

Test Report

C9120AXE-x

(x=B)

Cisco Catalyst C9120AX Series 802.11ax Access Point

Main 5GHz Radio + 4dBi Antenna

FCC ID: LDKEDAC92157

5250-5350 MHz

Against the following Specifications:

CFR47 Part 15.407



Cisco Systems

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Revision: See EDCS

This report replaces any previously entered test report under EDCS – **18315841**. This test report has been electronically authorized and archived using the CISCO Engineering Document Control system. Test Report Template EDCS# 11644123.

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Radio Test Report No: **EDCS – 18315841**



Section 1: Overview

The samples were assessed against the tests detailed in section 3 under the requirements of the following specifications:

Specifications:	
CFR47 Part 15.407	

Radio Test Report No: EDCS - 18315841



Section 2: Assessment Information

2.1 General

This report contains an assessment of an apparatus against Electromagnetic Compatibility Standards based upon tests carried out on the samples submitted. The testing was performed by and for the use of Cisco systems Inc:

With regard to this assessment, the following points should be noted:

- a) The results contained in this report relate only to the items tested and were obtained in the period between the date of the initial assessment and the date of issue of the report. Manufactured products will not necessarily give identical results due to production and measurement tolerances.
- b) The apparatus was set up and exercised using the configuration and modes of operation defined in this report only.
- c) Where relevant, the apparatus was only assessed using the susceptibility criteria defined in this report and the Test Assessment Plan (TAP).
- d) All testing was performed under the following environmental conditions:

Temperature 15°C to 35°C (54°F to 95°F)

Atmospheric Pressure 860mbar to 1060mbar (25.4" to 31.3")

Humidity 10% to 75*%

Units of Measurement

The units of measurements defined in the appendices are reported in specific terms, which are test dependent. Where radiated measurements are concerned these are defined at a particular distance. Basic voltage measurements are defined in units of [dBuV]

As an example, the basic calculation for all measurements is as follows:

Emission level [dBuV] = Indicated voltage level [dBuV] + Cable Loss [dB] + Other correction factors [dB] The combinations of correction factors are dependent upon the exact test configurations [see test equipment lists for further details] and may include:-

Antenna Factors, Pre Amplifier Gain, LISN Loss, Pulse Limiter Loss and Filter Insertion Loss Note: to convert the results from dBuV/m to uV/m use the following formula:-

Level in uV/m = Common Antilogarithm [(X dBuV/m)/20] = Y uV/m



Measurement Uncertainty Values

voltage and power measurements	± 2 dB
conducted EIRP measurements	± 1.4 dB
radiated measurements	± 3.2 dB
frequency measurements	± 2.4 10-7
temperature measurements	± 0.54°
humidity measurements	± 2.3%
DC and low frequency measurements	± 2.5%

Where relevant measurement uncertainty levels have been estimated for tests performed on the apparatus. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Radiated emissions (expanded uncertainty, confidence interval 95%)

30 MHz - 300 MHz	+/- 3.8 dB
300 MHz - 1000 MHz	+/- 4.3 dB
1 GHz - 10 GHz	+/- 4.0 dB
10 GHz - 18GHz	+/- 8.2 dB
18GHz - 26.5GHz	+/- 4.1 dB
26.5GHz - 40GHz	+/- 3.9 dB

Conducted emissions (expanded uncertainty, confidence interval 95%)

A product is considered to comply with a requirement if the nominal measured value is below the limit line. The product is considered to not be in compliance in case the nominal measured value is above the limit line.

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2.2 Date of testing

30-Aug-19 - 15-Sep-19

2.3 Report Issue Date

7-Oct-2019

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2.4 Testing facilities

This assessment was performed by: Chris Blair & Julian Land

Testing Laboratory

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	San Jose, California 95134	

Test Engineers

Chris Blair



2.5 Equipment Assessed (EUT)

C9120AXE-B

2.6 EUT Description

The radio supports the following modes of operation. The modes are further defined in the radio Theory of Operation. The modes included in this report represent the worst case data for all modes.

```
802.11a - Non HT20, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Four Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Four Antennas, 6 to 54 Mbps, 1ss
802.11n/ac - HT/VHT20, One Antenna, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT20 Beam Forming, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT20 STBC, Two Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT20 STBC, Three Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT20 STBC, Four Antennas, M0 to M7, 2ss
802.11b - HE20, One Antenna, M0 to M9 1ss
802.11b - HE20, Two Antennas, M0 to M9 1ss
802.11b - HE20, Two Antennas, M0 to M9 2ss
802.11b - HE20, Three Antennas, M0 to M9 1ss
802.11b - HE20, Three Antennas, M0 to M9 2ss
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802.11b - HE20, Three Antennas, M0 to M9 3ss
802.11b - HE20, Four Antennas, M0 to M9 1ss
802.11b - HE20, Four Antennas, M0 to M9 2ss
802.11b - HE20, Four Antennas, M0 to M9 3ss
802.11b - HE20, Four Antennas, M0 to M9 4ss
802.11b - HE20 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE20 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE20 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE20 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT40, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Four Antennas, 6 to 54 Mbps, 1ss
802.11n/ac - HT/VHT40, One Antenna, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT40 Beam Forming, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M24 to M31, 4ss
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802.11n/ac - HT/VHT40 STBC, Two Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT40 STBC, Three Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT40 STBC, Four Antennas, M0 to M7, 2ss
802.11b - HE40, One Antenna, M0 to M9 1ss
802.11b - HE40, Two Antennas, M0 to M9 1ss
802.11b - HE40, Two Antennas, M0 to M9 2ss
802.11b - HE40, Three Antennas, M0 to M9 1ss
802.11b - HE40, Three Antennas, M0 to M9 2ss
802.11b - HE40, Three Antennas, M0 to M9 3ss
802.11b - HE40, Four Antennas, M0 to M9 1ss
802.11b - HE40, Four Antennas, M0 to M9 2ss
802.11b - HE40. Four Antennas. M0 to M9 3ss
802.11b - HE40, Four Antennas, M0 to M9 4ss
802.11b - HE40 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE40 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE40 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE40 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT80, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Four Antennas, 6 to 54 Mbps, 1ss
802.11ac - VHT80, One Antenna, M0 to M9 1ss
802.11ac - VHT80, Two Antennas, M0 to M9 1ss
802.11ac - VHT80, Two Antennas, M0 to M9 2ss
802.11ac - VHT80, Three Antennas, M0 to M9 1ss
802.11ac - VHT80, Three Antennas, M0 to M9 2ss
802.11ac - VHT80. Three Antennas, M0 to M9 3ss
802.11ac - VHT80, Four Antennas, M0 to M9 1ss
802.11ac - VHT80, Four Antennas, M0 to M9 2ss
802.11ac - VHT80, Four Antennas, M0 to M9 3ss
802.11ac - VHT80, Four Antennas, M0 to M9 4ss
802.11ac - VHT80 Beam Forming, Two Antennas, M0 to M9 1ss
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802.11ac - VHT80 Beam Forming, Two Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 3ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 3ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 4ss
802.11ac - VHT80 STBC, Two Antennas, M0 to M9 2ss
802.11ac - VHT80 STBC, Three Antennas, M0 to M9 2ss
802.11ac - VHT80 STBC, Four Antennas, M0 to M9 2ss
802.11b - HE80. One Antenna. M0 to M9 1ss
802.11b - HE80, Two Antennas, M0 to M9 1ss
802.11b - HE80, Two Antennas, M0 to M9 2ss
802.11b - HE80, Three Antennas, M0 to M9 1ss
802.11b - HE80, Three Antennas, M0 to M9 2ss
802.11b - HE80, Three Antennas, M0 to M9 3ss
802.11b - HE80, Four Antennas, M0 to M9 1ss
802.11b - HE80, Four Antennas, M0 to M9 2ss
802.11b - HE80, Four Antennas, M0 to M9 3ss
802.11b - HE80, Four Antennas, M0 to M9 4ss
802.11b - HE80 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE80 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE80 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE80 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT20, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT160, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Four Antennas, 6 to 54 Mbps, 1ss
802.11ac - VHT160, One Antenna, M0 to M9 1ss
802.11ac - VHT160, Two Antennas, M0 to M9 1ss
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802.11ac - VHT160, Two Antennas, M0 to M9 2ss
802.11ac - VHT160, Three Antennas, M0 to M9 1ss
802.11ac - VHT160, Three Antennas, M0 to M9 2ss
802.11ac - VHT160, Three Antennas, M0 to M9 3ss
802.11ac - VHT160, Four Antennas, M0 to M9 1ss
802.11ac - VHT160, Four Antennas, M0 to M9 2ss
802.11ac - VHT160, Four Antennas, M0 to M9 3ss
802.11ac - VHT160, Four Antennas, M0 to M9 4ss
802.11ac - VHT160 Beam Forming, Two Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Two Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 3ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 3ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 4ss
802.11ac - VHT160 STBC, Two Antennas, M0 to M9 2ss
802.11ac - VHT160 STBC, Three Antennas, M0 to M9 2ss
802.11ac - VHT160 STBC, Four Antennas, M0 to M9 2ss
802.11b - HE160, One Antenna, M0 to M9 1ss
802.11b - HE160, Two Antennas, M0 to M9 1ss
802.11b - HE160, Two Antennas, M0 to M9 2ss
802.11b - HE160, Three Antennas, M0 to M9 1ss
802.11b - HE160, Three Antennas, M0 to M9 2ss
802.11b - HE160, Three Antennas, M0 to M9 3ss
802.11b - HE160, Four Antennas, M0 to M9 1ss
802.11b - HE160, Four Antennas, M0 to M9 2ss
802.11b - HE160, Four Antennas, M0 to M9 3ss
802.11b - HE160, Four Antennas, M0 to M9 4ss
802.11b - HE160 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE160 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE160 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE160 STBC, Four Antennas, M0 to M9 2ss
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The following antennas are supported by this product series.

The data included in this report represent the worst case data for all antennas.

	2	<u>.</u>	Antenna Gain
Frequency	Part Number	Antenna Type	(dBi)
		-E SKU	
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DB-R/=	Black, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DG-R/=	Gray, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DW-R/= White, connectors RP-TNC		4dBi@5GHz
2.4GHz&5GHz	2.4 GHz 3dBi/5 GHz 5 dBi Low Profile		3dBi@2.4GHz
	AIR-ANT2535SDW-R	Antenna, White, connectors RP-TNC	5dBi@5GHz
2.4GHz&5GHz	2.4 GHz 6 dBi/5 GHz 6 dBi Directionnel		6dBi@2.4GHz
	AIR-ANT2566P4W-R=	Ant., 4-port, connectors RP-TNC	6dBi@5GHz
2.4GHz&5GHz	5GHz 2.4GHz 2 dBi/5GHz 4 dBi Ceiling Mount		2dBi@2.4GHz
AIR-ANT2524V4C-R=		Omni Ant., 4-port, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz	GHz&5GHz 2.4GHz 4 dBi/5GHz 4 dBi Wall Mount		4dBi@2.4GHz
	AIR-ANT2544V4M-R=	Omni Ant., 4-port, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 6 dBi/5 GHz 6 dBi 60 Deg. Patch	6dBi@2.4GHz
	AIR-ANT2566D4M-R=	Ant., 4-port, RP-TNC	6dBi@5GHz



Section 3: Result Summary

3.1 Results Summary Table

Conducted emissions

Basic Standard	Technical Requirements / Details	Result
15.407	99% & 26 dB Bandwidth: The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. There is no limit for 99% OBW.	Pass
	The 26 dB emission is the width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.	
15.407	Output Power: For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	Pass
15.407	Power Spectral Density The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	Pass
15.407	Conducted Spurious Emissions / Band-Edge: 2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.	Pass
15.407 15.205 15.209	Restricted band: Unwanted emissions must comply with the general field strength limits set forth in §15.209.	Pass

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Radiated Emissions (General requirements)

Basic Standard	Technical Requirements / Details	Result
15.407 15.205 15.209	TX Spurious Emissions: Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the field strength limits table in this section.	Not Tested
15.207	AC conducted Emissions: U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.	Not Tested



Section 4: Sample Details

Note: Each sample was evaluated to ensure that its condition was suitable to be used as a test sample prior to the commencement of testing.

4.1 Sample Details

Sample No.	Equipment Details	Manufacturer	Hardware Rev.	Firmware Rev.	Software Rev.	Serial Number
S01	C9120AXE-B	Foxconn	P2-2	1268.14948.r 14702 14702	Cisco AP Software, (ap1g7), [cheetah-build6:/san2/ BUILD/workspace/Nig htly-Cheetah-axel-bcm -mfg-c8_10_throttle] Compiled Wed Aug 21 08:08:55 PDT 2019	FOC23302F06

4.2 System Details

System #	Description	Samples	
1	C9120AXE-B	S01	

4.3 Mode of Operation Details

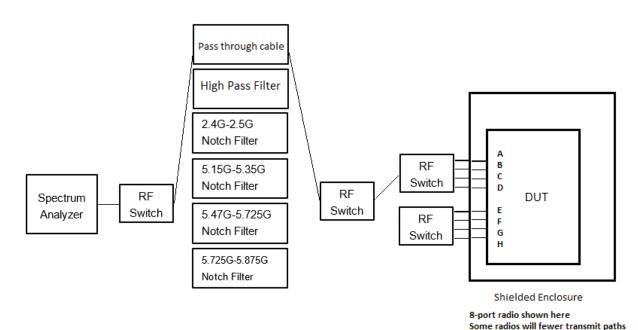
Mode#	Description	Comments	
1	Continuously Transmitting	Constant duty cycle	

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Appendix A: Emission Test Results

Conducted Test Setup Diagram



Target Maximum Channel Power

The following table details the maximum supported Total Channel Power for all operating modes.

	Maximum Channel Power (dBm)			er	
		Frequen	cy (MHz)		
Operating Mode	5250				
Non HT160, 6 to 54 Mbps	15				
VHT160, M0 to M9, M0 to M9 1-2ss	16				
VHT160 Beam Forming, M0 to M9, M0 to M9 1-2ss	16				
VHT160 STBC, M0 to M9 1ss	16				
HE160, M0 to M9, M0 to M9 1-2ss	19	19			
HE160 Beam Forming, M0 to M9, M0 to M9 1-2ss	19	19			
HE160 STBC, M0 to M9 1ss	19				
	5260	5300	5320		
Non HT20, 6 to 54 Mbps	20	20	19		
Non HT20 Beam Forming, 6 to 54 Mbps	20	20 20 18			
HT/VHT20, M0 to M31	22 22 21				
HT/VHT20 Beam Forming, M0 to M31	22	22	21		
HT/VHT20 STBC, M0 to M7	22	22	21		
HE20, M0 to M9, M0 to M9 1-2ss	22	22 22 20			

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HE20 Beam Forming, M0 to M9, M0 to M9 1-2ss	22	22	20	
HE20 STBC, M0 to M9 2ss		22	20	
	5270	5310		
Non HT40, 6 to 54 Mbps	21	19		
HT/VHT40, M0 to M31	23	19		
HT/VHT40 Beam Forming, M0 to M31	23	19		
HT/VHT40 STBC, M0 to M7	23	19		
HE40, M0 to M9, M0 to M9 1-2ss	23	18		
HE40 Beam Forming, M0 to M9, M0 to M9 1-2ss	23	18		
HE40 STBC, M0 to M9 2ss	23	18		
	5290			
Non HT80, 6 to 54 Mbps	17			
VHT80, M0 to M9, M0 to M9 1-2ss	17			
VHT80 Beam Forming, M0 to M9, M0 to M9 1-2ss	17			
VHT80 STBC, M0 to M9 1ss	17			
HE80, M0 to M9, M0 to M9 1-2ss	18			
HE80 Beam Forming, M0 to M9, M0 to M9 1-2ss	18			
HE80 STBC, M0 to M9 1ss	18			



A.1 Duty Cycle

Duty Cycle Test Requirement

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01

B. Duty Cycle (x), Transmission Duration (T), and Maximum Power Control Level

1. All measurements are to be performed with the EUT transmitting at 100 percent duty cycle at its maximum power control level; however, if 100 percent duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, \mathcal{T} , are required for each tested mode of operation.

Duty Cycle Test Method

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

B. Duty Cycle (x), Transmission Duration (T), and Maximum Power Control Level

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq EBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in section II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

Duty Cycle Test Information

Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

Samples, Systems, and Modes

Janipies, 5)	sterris, and widges			
System Number	Description	Samples	System under test	Support equipment
Number			เธรเ	equipinent
4	EUT	S01	✓	
1	Support			✓

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Duty Cycle Data Table

Duty Cycle table and screen captures are shown below for power/psd modes.

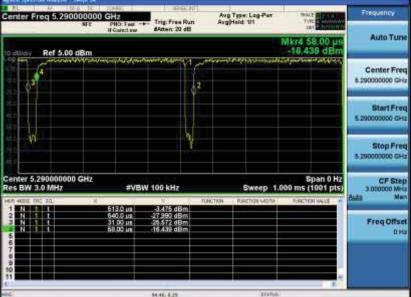
Frequency	Mode	Data Rate	Duty Cycle correction (dB)
Non HT20, 6 to 54 Mbps		6	0.1
5260	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1

	Non HT40, 6 to 54 Mbps	6	0.0
5270	HT/VHT40, M0 to M31	m0	0.1
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT80, 6 to 54 Mbps	6	0.1
5290	VHT80, M0 to M9, M0 to M9 1-2ss	m0x1	0.2
	HE80, M0 to M9, M0 to M9 1-2ss	m0h1	0.3
	Non HT20, 6 to 54 Mbps	6	0.1
5300	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
		-	-
	Non HT40, 6 to 54 Mbps	6	0.1
5310	HT/VHT40, M0 to M31	m0	0.1
	HE40, M0 to M9, M0 to M9 1-2ss		0.1
	Non HT20, 6 to 54 Mbps	6	0.1
5320	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss		0.1
	Non HT160, 6 to 54 Mbps	6	0.1
5250	VHT160, M0 to M9, M0 to M9 1-2ss	m0x1	0.1
	HE160, M0 to M9, M0 to M9 1-2ss	m0h1	0.1

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Duty Cycle, 5290 MHz, HE80, M0 to M9, M0 to M9 1-2ss Center Freq 5,290000000 GHz Avg Type: Log-Pur Avg|Hold: 1/1





A.2 99% and 26dB Bandwidth

99% and 26dB Bandwidth Test Requirement

There is no requirement for the value of bandwidth.

However, the 26dB BW (EBW) is used to calculate the power limits in 15.407 (a) (2). Power measurements are made using the 99% Bandwidth as the integration bandwidth.

99% and 26dB Bandwidth Test Procedure

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section D. 99 Percent Occupied Bandwidth

ANSI C63.10: 2013

99% BW

Test Parameters

- 1. Set center frequency to the nominal EUT channel center frequency.
- 2. Set span = 1.5 times to 5.0 times the OBW.
- 3. Set RBW = 1% to 5% of the OBW
- 4. Set VBW ≥ 3 · RBW
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).

Ref KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Section C. Measurement Bandwidth, Section 1

26 BW

Test parameters

X dB BW = -26dB (using the OBW function of the spectrum analyzer)

Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Samples, Systems, and Modes

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System Number	Description	Samples	System under test	Support equipment
4	EUT	S01	\searrow	
1	Support			✓

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

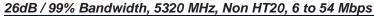
Test Equipment

See Appendix C for list of test equipment



Frequency (MHz)	Mode	Data Rate (Mbps)	26dB BW (MHz)	99% BW (MHz)
	Non HT20, 6 to 54 Mbps	6	21.2	16.758
5260	HT/VHT20, M0 to M31	m0	21.8	18.020
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.5	19.120
	Non HT40, 6 to 54 Mbps	6	39.7	36.357
5270	HT/VHT40, M0 to M31	m0	40.1	36.443
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	39.9	37.598
	Non HT80, 6 to 54 Mbps	6	81.9	76.195
5290	VHT80, M0 to M9, M0 to M9 1-2ss	m0x1	82.5	76.002
	HE80, M0 to M9, M0 to M9 1-2ss	m0h1	82.1	77.017
		_	_	_
	Non HT20, 6 to 54 Mbps	6	21.2	16.759
5300	HT/VHT20, M0 to M31	m0	21.8	18.028
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.5	19.120
	Non HT40, 6 to 54 Mbps	6	39.8	36.353
5310	HT/VHT40, M0 to M31	m0	40.1	36.429
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	39.9	37.584
	Non HT20, 6 to 54 Mbps	6	21.2	16.753
5320 HT/VHT20, M0 to M31 HE20, M0 to M9, M0 to M9 1-2ss		m0	21.8	18.017
		m0h1	21.4	19.109
	Non HT160, 6 to 54 Mbps	6	163.6	154.112
5250	VHT160, M0 to M9, M0 to M9 1-2ss	m0x1	165.0	154.779
	HE160, M0 to M9, M0 to M9 1-2ss	m0h1	164.5	154.982









A.3 Maximum Conducted Output Power

Maximum Conducted Output Power Test Requirement

15.407 (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. ... If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.407 (5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Referencing "644545 D03 Guidance for IEEE 802.11ac v01", covering signals that cross the boundary between two adjacent UNII bands, the FCC describes a procedure to measure EBW, power, and PSD in each UNII band. For the case of a 160MHz signal equally distributed between UNII-1 and UNII-2a, we apply the following alternate procedure. Rather than measure:

- The half of the signal in UNII-1, measured against the 30dBm power / 17dBm/MHz PSD limits
- The half of the signal in UNII-2a, measured against the 24dBm power / 11dBm/MHz PSD limits

If a 160MHz signal (equally distributed between the two bands) produces a total power of 27dBm across the entire 160 MHz EBW, the total power in each band would be half of the total, or 24dBm (which meets both the UNII-1 and UNII-2a limits), and would have a PSD no greater than 11dBm/MHz in either sub-band.

Given these facts, we have measured the complete 160 MHz EBW (across both sub-bands) against 27dBm power and 11dBm/MHz PSD limits, rather than individual sub band measurements against the individual sub band limits."

Maximum Conducted Output Power Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 ANSI C63.10: 2013

Maximum Conducted Output Power

Test Procedure

- 1. Set the radio in the continuous transmitting mode at full power
- 2. Compute power by integrating the spectrum across the EBW (or alternatively entire 99% OBW) of the signal using the instrument's band power measurement function. The integration shall be performed using the spectrum analyzer band-power measurement function with band limits set equal to the EBW or the OBW band edges.
- 3. Capture graphs and record pertinent measurement data.

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA), (d) Method SA-2

Maximum Conducted Output Power

Test parameters

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Radio Test Report No: EDCS - 18315841



Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (i) Measure the duty cycle, x, of the transmitter output signal as described in section II.B.
- (ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (iii) Set RBW = 1 MHz.
- (iv) Set $VBW \ge 3 \text{ MHz}$.
- (v) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (vi) Sweep time = auto.
- (vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (viii) Do not use sweep triggering. Allow the sweep to "free run".
- (ix) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
- (x) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth)

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. ANSI C63.10 section 14.3.2.2

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
	EUT	S01	\checkmark	
1	Support			\checkmark

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Maximum Output Power

Frequency (MHz)	Maximum Output Power Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Max Power (dBm)	Tx 2 Max Power (dBm)	Tx 3 Max Power (dBm)	Tx 4 Max Power (dBm)	Duty Cycle Correction (dB)	Total Tx Channel Power (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	4	17.3				0.1	17.4	24.0	6.65
	Non HT20, 6 to 54 Mbps	2	4	17.3	16.9			0.1	20.2	24.0	3.83
	Non HT20, 6 to 54 Mbps	3	4	14.3	13.7	12.8		0.1	18.5	24.0	5.53
	Non HT20, 6 to 54 Mbps	4	4	12.1	11.6	11.0	10.8	0.1	17.5	24.0	6.52
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	17.3	16.9			0.1	20.2	23.0	2.83
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	14.3	13.7	12.8		0.1	18.5	21.0	2.53
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	12.1	11.6	11.0	10.8	0.1	17.5	20.0	2.52
	HT/VHT20, M0 to M7	1	4	17.3				0.1	17.4	24.0	6.65
	HT/VHT20, M0 to M7	2	4	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20, M8 to M15	2	4	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20, M0 to M7	3	4	14.3	13.6	12.9		0.1	18.5	24.0	5.54
	HT/VHT20, M8 to M15	3	4	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20, M16 to M23	3	4	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20, M0 to M7	4	4	11.9	11.6	11.0	10.8	0.1	17.4	24.0	6.58
	HT/VHT20, M8 to M15	4	4	15.2	14.9	13.9	14.0	0.1	20.6	24.0	3.39
5260	HT/VHT20, M16 to M23	4	4	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
5	HT/VHT20, M24 to M31	4	4	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 Beam Forming, M0 to M7	2	7	17.3	16.9			0.1	20.2	23.0	2.83
	HT/VHT20 Beam Forming, M8 to M15	2	4	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20 Beam Forming, M0 to M7	3	9	14.3	13.6	12.9		0.1	18.5	21.0	2.54
	HT/VHT20 Beam Forming, M8 to M15	3	6	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20 Beam Forming, M16 to M23	3	4	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20 Beam Forming, M0 to M7	4	10	11.9	11.6	11.0	10.8	0.1	17.4	20.0	2.58
	HT/VHT20 Beam Forming, M8 to M15	4	7	15.2	14.9	13.9	14.0	0.1	20.6	23.0	2.39
	HT/VHT20 Beam Forming, M16 to M23	4	5	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 Beam Forming, M24 to M31	4	4	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 STBC, M0 to M7	2	4	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20 STBC, M0 to M7	3	4	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20 STBC, M0 to M7	4	4	15.2	14.9	13.9	14.0	0.1	20.6	24.0	3.39
	HE20, M0 to M9 1ss	1	4	17.5				0.1	17.6	24.0	6.43
	HE20, M0 to M9 1ss	2	4	17.5	17.1			0.1	20.4	24.0	3.62

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HE20, M0 to M9 2ss 2 4 17.5 17.1 0.1 HE20, M0 to M9 1ss 3 4 14.4 13.9 13.2 0.1 HE20, M0 to M9 2ss 3 4 17.5 17.1 16.1 0.1 HE20, M0 to M9 3ss 3 4 17.5 17.1 16.1 0.1 HE20, M0 to M9 1ss 4 4 12.2 11.9 11.4 11.2 0.1 HE20, M0 to M9 2ss 4 4 15.5 15.0 14.2 14.2 0.1	1 18.7 1 21.8	24.0	3.62 5.30
HE20, M0 to M9 2ss 3 4 17.5 17.1 16.1 0.1 HE20, M0 to M9 3ss 3 4 17.5 17.1 16.1 0.1 HE20, M0 to M9 1ss 4 4 12.2 11.9 11.4 11.2 0.1	21.8	1	5.30
HE20, M0 to M9 3ss 3 4 17.5 17.1 16.1 0.1 HE20, M0 to M9 1ss 4 4 12.2 11.9 11.4 11.2 0.1		040	
HE20, M0 to M9 1ss 4 4 12.2 11.9 11.4 11.2 0.1		24.0	2.22
	21.8	24.0	2.22
HE20, M0 to M9 2ss 4 4 15.5 15.0 14.2 14.2 0.1	17.8	24.0	6.22
	20.8	24.0	3.15
HE20, M0 to M9 3ss 4 4 16.5 16.1 15.4 15.1 0.1	21.9	24.0	2.10
HE20, M0 to M9 4ss 4 4 16.5 16.1 15.4 15.1 0.1	21.9	24.0	2.10
HE20 Beam Forming, M0 to M9 1ss 2 7 17.5 17.1 0.1	20.4	23.0	2.62
HE20 Beam Forming, M0 to M9 2ss 2 4 17.5 17.1 0.1	20.4	24.0	3.62
HE20 Beam Forming, M0 to M9 1ss 3 9 14.4 13.9 13.2 0.1	18.7	21.0	2.30
HE20 Beam Forming, M0 to M9 2ss 3 6 17.5 17.1 16.1 0.1	21.8	24.0	2.22
HE20 Beam Forming, M0 to M9 3ss 3 4 17.5 17.1 16.1 0.1	21.8	24.0	2.22
HE20 Beam Forming, M0 to M9 1ss 4 10 12.2 11.9 11.4 11.2 0.1	17.8	20.0	2.22
HE20 Beam Forming, M0 to M9 2ss 4 7 15.5 15.0 14.2 14.2 0.1	20.8	23.0	2.15
HE20 Beam Forming, M0 to M9 3ss 4 5 16.5 16.1 15.4 15.1 0.1	21.9	24.0	2.10
HE20 Beam Forming, M0 to M9 4ss 4 4 16.5 16.1 15.4 15.1 0.1	21.9	24.0	2.10
HE20 STBC, M0 to M9 2ss 2 4 17.5 17.1 0.1	20.4	24.0	3.62
HE20 STBC, M0 to M9 2ss 3 4 17.5 17.1 16.1 0.1	21.8	24.0	2.22
HE20 STBC, M0 to M9 2ss 4 4 15.5 15.0 14.2 14.2 0.1	20.8	24.0	3.15
Non HT40, 6 to 54 Mbps 1 4 17.1 0.0	17.1	24.0	6.86
Non HT40, 6 to 54 Mbps 2 4 17.1 17.6 0.0	20.4	24.0	3.59
Non HT40, 6 to 54 Mbps 3 4 16.1 16.6 15.1 0.0	20.8	24.0	3.21
Non HT40, 6 to 54 Mbps 4 4 15.1 15.6 13.9 13.8 0.0	20.7	24.0	3.27
HT/VHT40, M0 to M7 1 4 17.2 0.1	17.3	24.0	6.70
HT/VHT40, M0 to M7 2 4 17.2 17.6 0.1	20.5	24.0	3.48
HT/VHT40, M8 to M15 2 4 17.2 17.6 0.1	20.5	24.0	3.48
HT/VHT40, M0 to M7 3 4 17.2 17.6 15.9 0.1	21.8	24.0	2.17
HT/VHT40, M8 to M15 3 4 17.2 17.6 15.9 0.1	21.8	24.0	2.17
HT/VHT40, M16 to M23 3 4 17.2 17.6 15.9 0.1	21.8	24.0	2.17
HT/VHT40, M0 to M7 4 4 15.3 15.6 13.9 13.9 0.1	20.9	24.0	3.13
HT/VHT40, M8 to M15 4 4 17.2 17.6 15.9 15.9 0.1	22.8	24.0	1.16
HT/VHT40, M16 to M23 4 4 17.2 17.6 15.9 15.9 0.1	22.8	24.0	1.16
HT/VHT40, M24 to M31 4 4 17.2 17.6 15.9 15.9 0.1	1 22.8	24.0	1.16
HT/VHT40 Beam Forming, M0 to M7	20.5	23.0	2.48
HT/VHT40 Beam Forming, M8 to M15 2 4 17.2 17.6 0.1	20.5	24.0	3.48
HT/VHT40 Beam Forming, M0 to M7 3 9 16.2 16.6 15.2 0.1	20.9	21.0	0.09
HT/VHT40 Beam Forming, M8 to M15 3 6 17.2 17.6 15.9 0.1	21.8	24.0	2.17
HT/VHT40 Beam Forming, M16 to M23 3 4 17.2 17.6 15.9 0.1	21.8	24.0	2.17
HT//HT/0 Poom Forming M0 to M7	19.8	20.0	0.21
HT/VHT40 Beam Forming, M0 to M7	22.8	23.0	0.16

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	HT/VHT40 Beam Forming, M16 to M23	4	5	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 Beam Forming, M24 to M31	4	4	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 STBC, M0 to M7	2	4	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40 STBC, M0 to M7	3	4	17.2	17.6	15.9		0.1	21.8	24.0	2.17
	HT/VHT40 STBC, M0 to M7	4	4	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HE40, M0 to M9 1ss	1	4	17.4				0.1	17.5	24.0	6.47
	HE40, M0 to M9 1ss	2	4	17.4	17.8			0.1	20.7	24.0	3.26
	HE40, M0 to M9 2ss	2	4	17.4	17.8			0.1	20.7	24.0	3.26
	HE40, M0 to M9 1ss	3	4	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 2ss	3	4	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 3ss	3	4	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 1ss	4	4	15.5	15.8	14.2	14.0	0.1	21.1	24.0	2.91
	HE40, M0 to M9 2ss	4	4	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40, M0 to M9 3ss	4	4	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40, M0 to M9 4ss	4	4	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 Beam Forming, M0 to M9 1ss	2	7	17.4	17.8			0.1	20.7	23.0	2.26
	HE40 Beam Forming, M0 to M9 2ss	2	4	17.4	17.8			0.1	20.7	24.0	3.26
	HE40 Beam Forming, M0 to M9 1ss	3	9	15.5	15.8	14.2		0.1	20.1	21.0	0.88
	HE40 Beam Forming, M0 to M9 2ss	3	6	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 Beam Forming, M0 to M9 3ss	3	4	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 Beam Forming, M0 to M9 1ss	4	10	13.4	13.7	12.1	12.1	0.1	19.0	20.0	0.97
	HE40 Beam Forming, M0 to M9 2ss	4	7	16.4	16.8	15.3	15.1	0.1	22.1	23.0	0.89
	HE40 Beam Forming, M0 to M9 3ss	4	5	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 Beam Forming, M0 to M9 4ss	4	4	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 STBC, M0 to M9 2ss	2	4	17.4	17.8			0.1	20.7	24.0	3.26
	HE40 STBC, M0 to M9 2ss	3	4	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 STBC, M0 to M9 2ss	4	4	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	Non HT80, 6 to 54 Mbps	1	4	12.9				0.1	13.0	24.0	11.05
	Non HT80, 6 to 54 Mbps	2	4	11.7	11.3			0.1	14.6	24.0	9.43
	Non HT80, 6 to 54 Mbps	3	4	11.7	11.3	11.1		0.1	16.2	24.0	7.80
	Non HT80, 6 to 54 Mbps	4	4	11.7	11.3	11.1	11.0	0.1	17.4	24.0	6.65
	VHT80, M0 to M9 1ss	1	4	12.7				0.2	12.9	24.0	11.08
	VHT80, M0 to M9 1ss	2	4	12.7	12.3			0.2	15.7	24.0	8.27
06	VHT80, M0 to M9 2ss	2	4	12.7	12.3			0.2	15.7	24.0	8.27
5290	VHT80, M0 to M9 1ss	3	4	12.7	12.3	12.0		0.2	17.3	24.0	6.67
	VHT80, M0 to M9 2ss	3	4	12.7	12.3	12.0		0.2	17.3	24.0	6.67
	VHT80, M0 to M9 3ss	3	4	12.7	12.3	12.0		0.2	17.3	24.0	6.67
	VHT80, M0 to M9 1ss	4	4	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 2ss	4	4	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 3ss	4	4	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 4ss	4	4	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
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	VHT80 Beam Forming, M0 to M9 1ss	2	7	11.7	11.1			0.2	14.6	23.0	8.36
	VHT80 Beam Forming, M0 to M9 2ss	2	4	12.7	12.3			0.2	15.7	24.0	8.27
	VHT80 Beam Forming, M0 to M9 1ss	3	9	10.7	10.1	10.0		0.2	15.3	21.0	5.74
	VHT80 Beam Forming, M0 to M9 2ss	3	6	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80 Beam Forming, M0 to M9 3ss	3	4	12.7	12.3	12.0		0.2	17.3	24.0	6.67
	VHT80 Beam Forming, M0 to M9 1ss	4	10	9.6	9.0	9.1	8.7	0.2	15.3	20.0	4.65
	VHT80 Beam Forming, M0 to M9 2ss	4	7	10.7	10.1	10.0	9.9	0.2	16.4	23.0	6.58
	VHT80 Beam Forming, M0 to M9 3ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80 Beam Forming, M0 to M9 4ss	4	4	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80 STBC, M0 to M9 1ss	2	4	12.7	12.3			0.2	15.7	24.0	8.27
	VHT80 STBC, M0 to M9 1ss	3	4	12.7	12.3	12.0		0.2	17.3	24.0	6.67
	VHT80 STBC, M0 to M9 1ss	4	4	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	HE80, M0 to M9 1ss	1	4	12.9				0.3	13.2	24.0	10.85
	HE80, M0 to M9 1ss	2	4	12.9	12.6			0.3	16.0	24.0	7.99
	HE80, M0 to M9 2ss	2	4	12.9	12.6			0.3	16.0	24.0	7.99
	HE80, M0 to M9 1ss	3	4	11.8	11.3	11.3		0.3	16.5	24.0	7.51
	HE80, M0 to M9 2ss	3	4	11.8	11.3	11.3		0.3	16.5	24.0	7.51
	HE80, M0 to M9 3ss	3	4	11.8	11.3	11.3		0.3	16.5	24.0	7.51
	HE80, M0 to M9 1ss	4	4	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
	HE80, M0 to M9 2ss	4	4	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
	HE80, M0 to M9 3ss	4	4	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
	HE80, M0 to M9 4ss	4	4	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
	HE80 Beam Forming, M0 to M9 1ss	2	7	11.8	11.3			0.3	14.8	23.0	8.18
	HE80 Beam Forming, M0 to M9 2ss	2	4	12.9	12.6			0.3	16.0	24.0	7.99
	HE80 Beam Forming, M0 to M9 1ss	3	9	9.9	9.4	9.3		0.3	14.6	21.0	6.44
	HE80 Beam Forming, M0 to M9 2ss	3	6	11.8	11.3	11.3		0.3	16.5	24.0	7.51
	HE80 Beam Forming, M0 to M9 3ss	3	4	11.8	11.3	11.3		0.3	16.5	24.0	7.51
	HE80 Beam Forming, M0 to M9 1ss	4	10	9.1	8.3	8.5	8.1	0.3	14.8	20.0	5.21
	HE80 Beam Forming, M0 to M9 2ss	4	7	10.8	10.4	10.3	10.0	0.3	16.7	23.0	6.34
	HE80 Beam Forming, M0 to M9 3ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
	HE80 Beam Forming, M0 to M9 4ss	4	4	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
	HE80 STBC, M0 to M9 1ss	2	4	12.9	12.6			0.3	16.0	24.0	7.99
	HE80 STBC, M0 to M9 1ss	3	4	11.8	11.3	11.3		0.3	16.5	24.0	7.51
	HE80 STBC, M0 to M9 1ss	4	4	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
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	Non HT20, 6 to 54 Mbps	1	4	17.3				0.1	17.4	24.0	6.65
	Non HT20, 6 to 54 Mbps	2	4	17.3	16.9			0.1	20.2	24.0	3.83
	Non HT20, 6 to 54 Mbps	3	4	14.2	13.6	12.9		0.1	18.4	24.0	5.58
5300	Non HT20, 6 to 54 Mbps	4	4	12.1	11.7	11.0	10.8	0.1	17.5	24.0	6.50
2	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	17.3	16.9			0.1	20.2	23.0	2.83
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	14.2	13.6	12.9		0.1	18.4	21.0	2.58
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	12.1	11.7	11.0	10.8	0.1	17.5	20.0	2.50

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HT/VHT20, M0 to M7	1	4	17.2				0.1	17.3	24.0	6.75
HT/VHT20, M0 to M7	2	4	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20, M8 to M15	2	4	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20, M0 to M7	3	4	14.4	13.7	12.9		0.1	18.5	24.0	5.47
HT/VHT20, M8 to M15	3	4	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20, M16 to M23	3	4	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20, M0 to M7	4	4	12.1	11.7	11.0	10.9	0.1	17.5	24.0	6.47
HT/VHT20, M8 to M15	4	4	15.1	14.8	13.8	14.1	0.1	20.6	24.0	3.45
HT/VHT20, M16 to M23	4	4	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20, M24 to M31	4	4	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 Beam Forming, M0 to M7	2	7	17.2	16.9			0.1	20.1	23.0	2.88
HT/VHT20 Beam Forming, M8 to M15	2	4	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20 Beam Forming, M0 to M7	3	9	14.4	13.7	12.9		0.1	18.5	21.0	2.47
HT/VHT20 Beam Forming, M8 to M15	3	6	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20 Beam Forming, M16 to M23	3	4	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20 Beam Forming, M0 to M7	4	10	12.1	11.7	11.0	10.9	0.1	17.5	20.0	2.47
HT/VHT20 Beam Forming, M8 to M15	4	7	15.1	14.8	13.8	14.1	0.1	20.6	23.0	2.45
HT/VHT20 Beam Forming, M16 to M23	4	5	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 Beam Forming, M24 to M31	4	4	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 STBC, M0 to M7	2	4	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20 STBC, M0 to M7	3	4	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20 STBC, M0 to M7	4	4	15.1	14.8	13.8	14.1	0.1	20.6	24.0	3.45
HE20, M0 to M9 1ss	1	4	17.5				0.1	17.6	24.0	6.43
HE20, M0 to M9 1ss	2	4	17.5	17.2			0.1	20.4	24.0	3.57
HE20, M0 to M9 2ss	2	4	17.5	17.2			0.1	20.4	24.0	3.57
HE20, M0 to M9 1ss	3	4	14.6	14.0	13.4		0.1	18.9	24.0	5.13
HE20, M0 to M9 2ss	3	4	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20, M0 to M9 3ss	3	4	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20, M0 to M9 1ss	4	4	12.4	11.9	11.4	11.2	0.1	17.8	24.0	6.16
HE20, M0 to M9 2ss	4	4	15.3	15.1	14.2	14.4	0.1	20.9	24.0	3.14
HE20, M0 to M9 3ss	4	4	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20, M0 to M9 4ss	4	4	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 Beam Forming, M0 to M9 1ss	2	7	17.5	17.2			0.1	20.4	23.0	2.57
HE20 Beam Forming, M0 to M9 2ss	2	4	17.5	17.2			0.1	20.4	24.0	3.57
HE20 Beam Forming, M0 to M9 1ss	3	9	14.6	14.0	13.4		0.1	18.9	21.0	2.13
HE20 Beam Forming, M0 to M9 2ss	3	6	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20 Beam Forming, M0 to M9 3ss	3	4	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20 Beam Forming, M0 to M9 1ss	4	10	12.4	11.9	11.4	11.2	0.1	17.8	20.0	2.16
HE20 Beam Forming, M0 to M9 2ss	4	7	15.3	15.1	14.2	14.4	0.1	20.9	23.0	2.14
HE20 Beam Forming, M0 to M9 3ss	4	5	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 Beam Forming, M0 to M9 4ss	4	4	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 STBC, M0 to M9 2ss	2	4	17.5	17.2			0.1	20.4	24.0	3.57

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	HE20 STBC, M0 to M9 2ss	3	4	17.5	17.2	16.2		0.1	21.8	24.0	2.16
	HE20 STBC, M0 to M9 2ss	4	4	15.3	15.1	14.2	14.4	0.1	20.9	24.0	3.14
	Non HT40, 6 to 54 Mbps	1	4	12.9				0.1	13.0	24.0	11.05
	Non HT40, 6 to 54 Mbps	2	4	12.9	13.5			0.1	16.3	24.0	7.73
	Non HT40, 6 to 54 Mbps	3	4	12.9	13.5	12.0		0.1	17.7	24.0	6.33
	Non HT40, 6 to 54 Mbps	4	4	12.9	13.5	12.0	11.9	0.1	18.7	24.0	5.30
	HT/VHT40, M0 to M7	1	4	13.2				0.1	13.3	24.0	10.75
	HT/VHT40, M0 to M7	2	4	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40, M8 to M15	2	4	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40, M0 to M7	3	4	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M8 to M15	3	4	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M16 to M23	3	4	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M0 to M7	4	4	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40, M8 to M15	4	4	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40, M16 to M23	4	4	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40, M24 to M31	4	4	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40 Beam Forming, M0 to M7	2	7	12.2	12.3			0.1	15.3	23.0	7.69
	HT/VHT40 Beam Forming, M8 to M15	2	4	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40 Beam Forming, M0 to M7	3	9	11.0	11.4	10.1		0.1	15.7	21.0	5.31
	HT/VHT40 Beam Forming, M8 to M15	3	6	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40 Beam Forming, M16 to M23	3	4	13.2	13.4	11.9		0.1	17.7	24.0	6.29
5310	HT/VHT40 Beam Forming, M0 to M7	4	10	10.1	10.1	9.2	8.8	0.1	15.7	20.0	4.34
2	HT/VHT40 Beam Forming, M8 to M15	4	7	12.2	12.3	11.1	11.0	0.1	17.8	23.0	5.24
	HT/VHT40 Beam Forming, M16 to M23	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40 Beam Forming, M24 to M31	4	4	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40 STBC, M0 to M7	2	4	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40 STBC, M0 to M7	3	4	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40 STBC, M0 to M7	4	4	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HE40, M0 to M9 1ss	1	4	13.3				0.1	13.4	24.0	10.63
	HE40, M0 to M9 1ss	2	4	13.3	13.6			0.1	16.5	24.0	7.47
	HE40, M0 to M9 2ss	2	4	13.3	13.6			0.1	16.5	24.0	7.47
	HE40, M0 to M9 1ss	3	4	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 2ss	3	4	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 3ss	3	4	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 1ss	4	4	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 2ss	4	4	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 3ss	4	4	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 4ss	4	4	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 Beam Forming, M0 to M9 1ss	2	7	12.4	12.5			0.1	15.5	23.0	7.47
	HE40 Beam Forming, M0 to M9 2ss	2	4	13.3	13.6			0.1	16.5	24.0	7.47
	HE40 Beam Forming, M0 to M9 1ss	3	9	11.3	11.6	10.3		0.1	15.9	21.0	5.06
	<u> </u>										

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	HE40 Beam Forming, M0 to M9 2ss	3	6	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40 Beam Forming, M0 to M9 3ss	3	4	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40 Beam Forming, M0 to M9 1ss	4	10	10.4	10.3	9.4	9.2	0.1	15.9	20.0	4.05
	HE40 Beam Forming, M0 to M9 2ss	4	7	11.3	11.6	10.3	9.9	0.1	16.9	23.0	6.08
	HE40 Beam Forming, M0 to M9 3ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 Beam Forming, M0 to M9 4ss	4	4	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 STBC, M0 to M9 2ss	2	4	13.3	13.6			0.1	16.5	24.0	7.47
	HE40 STBC, M0 to M9 2ss	3	4	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40 STBC, M0 to M9 2ss	4	4	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	Non HT20, 6 to 54 Mbps	1	4	15.9				0.1	16.0	24.0	8.05
	Non HT20, 6 to 54 Mbps	2	4	15.9	15.6			0.1	18.8	24.0	5.19
	Non HT20, 6 to 54 Mbps	3	4	14.1	13.5	12.9		0.1	18.3	24.0	5.65
	Non HT20, 6 to 54 Mbps	4	4	12.0	11.5	11.1	11.0	0.1	17.5	24.0	6.51
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	14.9	14.6			0.1	17.8	23.0	5.19
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	14.1	13.5	12.9		0.1	18.3	21.0	2.65
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	12.0	11.5	11.1	11.0	0.1	17.5	20.0	2.51
	HT/VHT20, M0 to M7	1	4	16.0				0.1	16.1	24.0	7.95
	HT/VHT20, M0 to M7	2	4	16.0	15.5			0.1	18.8	24.0	5.18
	HT/VHT20, M8 to M15	2	4	16.0	15.5			0.1	18.8	24.0	5.18
	HT/VHT20, M0 to M7	3	4	14.0	13.4	12.9		0.1	18.3	24.0	5.72
	HT/VHT20, M8 to M15	3	4	16.0	15.5	15.0		0.1	20.3	24.0	3.66
	HT/VHT20, M16 to M23	3	4	16.0	15.5	15.0		0.1	20.3	24.0	3.66
	HT/VHT20, M0 to M7	4	4	11.9	11.4	11.1	10.9	0.1	17.4	24.0	6.59
	HT/VHT20, M8 to M15	4	4	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
0	HT/VHT20, M16 to M23	4	4	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
5320	HT/VHT20, M24 to M31	4	4	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
	HT/VHT20 Beam Forming, M0 to M7	2	7	14.0	13.4			0.1	16.8	23.0	6.23
	HT/VHT20 Beam Forming, M8 to M15	2	4	16.0	15.5			0.1	18.8	24.0	5.18
	HT/VHT20 Beam Forming, M0 to M7	3	9	14.0	13.4	12.9		0.1	18.3	21.0	2.72
	HT/VHT20 Beam Forming, M8 to M15	3	6	15.0	14.8	14.1		0.1	19.5	24.0	4.53
	HT/VHT20 Beam Forming, M16 to M23	3	4	16.0	15.5	15.0		0.1	20.3	24.0	3.66
	HT/VHT20 Beam Forming, M0 to M7	4	10	11.9	11.4	11.1	10.9	0.1	17.4	20.0	2.59
	HT/VHT20 Beam Forming, M8 to M15	4	7	14.0	13.4	12.9	13.0	0.1	19.4	23.0	3.58
	HT/VHT20 Beam Forming, M16 to M23	4	5	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
	HT/VHT20 Beam Forming, M24 to M31	4	4	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
	HT/VHT20 STBC, M0 to M7	2	4	16.0	15.5			0.1	18.8	24.0	5.18
	HT/VHT20 STBC, M0 to M7	3	4	16.0	15.5	15.0		0.1	20.3	24.0	3.66
	HT/VHT20 STBC, M0 to M7	4	4	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
	HE20, M0 to M9 1ss	1	4	15.2	. 1.0			0.1	15.3	24.0	8.73
	HE20, M0 to M9 1ss	2	4	15.2	15.0			0.1	18.2	24.0	5.82
	HE20, M0 to M9 2ss	2	4	15.2	15.0			0.1	18.2	24.0	5.82
	11220, 1910 to 1910 200		7	10.2	10.0			0.1	10.2	27.0	0.02

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	HE20, M0 to M9 1ss	3	4	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20, M0 to M9 2ss	3	4	15.2	15.0	14.3		0.1	19.7	24.0	4.31
	HE20, M0 to M9 3ss	3	4	15.2	15.0	14.3		0.1	19.7	24.0	4.31
	HE20, M0 to M9 1ss	4	4	12.1	11.8	11.5	11.3	0.1	17.8	24.0	6.23
	HE20, M0 to M9 2ss	4	4	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20, M0 to M9 3ss	4	4	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20, M0 to M9 4ss	4	4	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 Beam Forming, M0 to M9 1ss	2	7	14.4	13.8			0.1	17.2	23.0	5.81
	HE20 Beam Forming, M0 to M9 2ss	2	4	15.2	15.0			0.1	18.2	24.0	5.82
	HE20 Beam Forming, M0 to M9 1ss	3	9	13.2	12.8	12.2		0.1	17.6	21.0	3.41
	HE20 Beam Forming, M0 to M9 2ss	3	6	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20 Beam Forming, M0 to M9 3ss	3	4	15.2	15.0	14.3		0.1	19.7	24.0	4.31
	HE20 Beam Forming, M0 to M9 1ss	4	10	12.1	11.8	11.5	11.3	0.1	17.8	20.0	2.23
	HE20 Beam Forming, M0 to M9 2ss	4	7	13.2	12.8	12.2	12.3	0.1	18.7	23.0	4.27
	HE20 Beam Forming, M0 to M9 3ss	4	5	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 Beam Forming, M0 to M9 4ss	4	4	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 STBC, M0 to M9 2ss	2	4	15.2	15.0			0.1	18.2	24.0	5.82
	HE20 STBC, M0 to M9 2ss	3	4	15.2	15.0	14.3		0.1	19.7	24.0	4.31
	HE20 STBC, M0 to M9 2ss	4	4	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
				_		_		_			
	Non HT160, 6 to 54 Mbps	1	4	10.9				0.1	11.0	24.0	13.05
	Non HT160, 6 to 54 Mbps	2	4	10.9	10.8			0.1	13.9	24.0	10.09
	Non HT160, 6 to 54 Mbps	3	4	9.8	9.7	8.9		0.1	14.3	24.0	9.69
	Non HT160, 6 to 54 Mbps	4	4	9.8	9.7	8.9	9.0	0.1	15.4	24.0	8.56
	VHT160, M0 to M9 1ss	1	4	11.6				0.1	11.7	24.0	12.35
	VHT160, M0 to M9 1ss	2	4	11.6	11.4			0.1	14.6	24.0	9.43
	VHT160, M0 to M9 2ss	2	4	11.6	11.4			0.1	14.6	24.0	9.43
	VHT160, M0 to M9 1ss	3	4	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160, M0 to M9 2ss	3	4	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160, M0 to M9 3ss	3	4	10.6	10.7	9.6		0.1	15.2	24.0	8.85
5250	VHT160, M0 to M9 1ss	4	4	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
52	VHT160, M0 to M9 2ss	4	4	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	VHT160, M0 to M9 3ss	4	4	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	VHT160, M0 to M9 4ss	4	4	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	VHT160 Beam Forming, M0 to M9 1ss	2	7	10.6	10.7			0.1	13.7	23.0	9.29
	VHT160 Beam Forming, M0 to M9 2ss	2	4	11.6	11.4			0.1	14.6	24.0	9.43
	VHT160 Beam Forming, M0 to M9 1ss	3	9	9.6	9.4	8.8		0.1	14.1	21.0	6.89
	VHT160 Beam Forming, M0 to M9 2ss	3	6	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160 Beam Forming, M0 to M9 3ss	3	4	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160 Beam Forming, M0 to M9 1ss	4	10	8.6	8.3	7.9	7.5	0.1	14.2	20.0	5.83
	VHT160 Beam Forming, M0 to M9 2ss	4	7	9.6	9.4	8.8	8.8	0.1	15.2	23.0	7.76
	VHT160 Beam Forming, M0 to M9 3ss	4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	<u> </u>										

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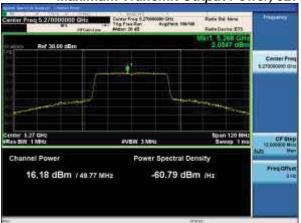


VHT160 Beam Forming, M0 to M9 4ss	4	4	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
VHT160 STBC, M0 to M9 1ss	2	4	11.6	11.4			0.1	14.6	24.0	9.43
VHT160 STBC, M0 to M9 1ss	3	4	10.6	10.7	9.6		0.1	15.2	24.0	8.85
VHT160 STBC, M0 to M9 1ss	4	4	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
HE160, M0 to M9 1ss	1	4	12.9				0.1	13.0	24.0	11.03
HE160, M0 to M9 1ss	2	4	12.9	12.9			0.1	16.0	24.0	8.02
HE160, M0 to M9 2ss	2	4	12.9	12.9			0.1	16.0	24.0	8.02
HE160, M0 to M9 1ss	3	4	12.9	12.9	11.9		0.1	17.4	24.0	6.57
HE160, M0 to M9 2ss	3	4	12.9	12.9	11.9		0.1	17.4	24.0	6.57
HE160, M0 to M9 3ss	3	4	12.9	12.9	11.9		0.1	17.4	24.0	6.57
HE160, M0 to M9 1ss	4	4	12.9	12.9	11.9	12.3	0.1	18.6	24.0	5.39
HE160, M0 to M9 2ss	4	4	12.9	12.9	11.9	12.3	0.1	18.6	24.0	5.39
HE160, M0 to M9 3ss	4	4	12.9	12.9	11.9	12.3	0.1	18.6	24.0	5.39
HE160, M0 to M9 4ss	4	4	12.9	12.9	11.9	12.3	0.1	18.6	24.0	5.39
HE160 Beam Forming, M0 to M9 1ss	2	7	11.8	11.6			0.1	14.8	23.0	8.22
HE160 Beam Forming, M0 to M9 2ss	2	4	12.9	12.9			0.1	16.0	24.0	8.02
HE160 Beam Forming, M0 to M9 1ss	3	9	10.9	10.7	10.0		0.1	15.4	21.0	5.61
HE160 Beam Forming, M0 to M9 2ss	3	6	11.8	11.6	10.9		0.1	16.3	24.0	7.71
HE160 Beam Forming, M0 to M9 3ss	3	4	12.9	12.9	11.9		0.1	17.4	24.0	6.57
HE160 Beam Forming, M0 to M9 1ss	4	10	9.8	9.6	8.9	8.9	0.1	15.4	20.0	4.59
HE160 Beam Forming, M0 to M9 2ss	4	7	10.9	10.7	10.0	10.0	0.1	16.5	23.0	6.49
HE160 Beam Forming, M0 to M9 3ss	4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
HE160 Beam Forming, M0 to M9 4ss	4	4	12.9	12.9	11.9	12.3	0.1	18.6	24.0	5.39
HE160 STBC, M0 to M9 1ss	2	4	12.9	12.9			0.1	16.0	24.0	8.02
HE160 STBC, M0 to M9 1ss	3	4	12.9	12.9	11.9		0.1	17.4	24.0	6.57
HE160 STBC, M0 to M9 1ss	4	4	12.9	12.9	11.9	12.3	0.1	18.6	24.0	5.39

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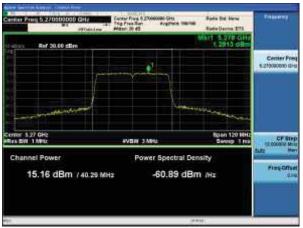
Maximum Transmit Output Power, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7





Antenna A

Antenna B



Antenna C



A.4 Power Spectral Density

Power Spectral Density Test Requirement

15.407 (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.407 (5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Referencing "644545 D03 Guidance for IEEE 802.11ac v01", covering signals that cross the boundary between two adjacent UNII bands, the FCC describes a procedure to measure EBW, power, and PSD in each UNII band. For the case of a 160MHz signal equally distributed between UNII-1 and UNII-2a, we apply the following alternate procedure. Rather than measure:

- The half of the signal in UNII-1, measured against the 30dBm power / 17dBm/MHz PSD limits
- The half of the signal in UNII-2a, measured against the 24dBm power / 11dBm/MHz PSD limits

If a 160MHz signal (equally distributed between the two bands) produces a total power of 27dBm across the entire 160 MHz EBW, the total power in each band would be half of the total, or 24dBm (which meets both the UNII-1 and UNII-2a limits), and would have a PSD no greater than 11dBm/MHz in either sub-band.

Given these facts, we have measured the complete 160 MHz EBW (across both sub-bands) against 27dBm power and 11dBm/MHz PSD limits, rather than individual sub band measurements against the individual sub band limits."

Power Spectral Density Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 F. Maximum Power Spectral Density (PSD)

Power Spectral Density

Test Procedure

The rules requires "maximum power spectral density" measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

- 1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
- 2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3. Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.
- b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
- 4. The result is the Maximum PSD over 1 MHz reference bandwidth.

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Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA), (d) Method SA-2

Power Spectral Density

Test parameters

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (i) Measure the duty cycle, x, of the transmitter output signal as described in section II.B.
- (ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (iii) Set RBW = 1 MHz.
- (iv) Set $VBW \ge 3$ MHz.
- (v) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (vi) Sweep time = auto.
- (vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (viii) Do not use sweep triggering. Allow the sweep to "free run".
- (ix) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
- (x) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth)

F. Maximum Power Spectral Density (PSD)

- 2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3. Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. (See ANSI C63.10 section 14.3.2.2)

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
	EUT	S01	Ŋ	
1	Support			✓

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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	Power Spectral Density										
Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 PSD (dBm/MHz)	Tx 2 PSD (dBm/MHz)	Tx 3 PSD (dBm/MHz)	Tx 4 PSD (dBm/MHz)	Duty Cycle Correction (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	4	6.4				0.1	6.5	11.0	4.55
	Non HT20, 6 to 54 Mbps	2	7	6.4	6.1			0.1	9.3	10.0	0.69
	Non HT20, 6 to 54 Mbps	3	9	3.2	2.8	1.9		0.1	7.5	8.0	0.51
	Non HT20, 6 to 54 Mbps	4	10	1.2	0.6	0.1	0.1	0.1	6.6	7.0	0.40
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	6.4	6.1			0.1	9.3	10.0	0.69
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	3.2	2.8	1.9		0.1	7.5	8.0	0.51
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	1.2	0.6	0.1	0.1	0.1	6.6	7.0	0.40
	HT/VHT20, M0 to M7	1	4	6.0				0.1	6.1	11.0	4.95
	HT/VHT20, M0 to M7	2	7	6.0	6.1			0.1	9.1	10.0	0.89
	HT/VHT20, M8 to M15	2	4	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20, M0 to M7	3	9	3.3	2.3	1.7		0.1	7.3	8.0	0.69
	HT/VHT20, M8 to M15	3	6	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20, M16 to M23	3	4	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20, M0 to M7	4	10	0.8	0.4	-0.3	-0.3	0.1	6.2	7.0	0.75
0	HT/VHT20, M8 to M15	4	7	3.9	3.7	2.9	2.5	0.1	9.4	10.0	0.64
5260	HT/VHT20, M16 to M23	4	5	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
Ω	HT/VHT20, M24 to M31	4	4	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 Beam Forming, M0 to M7	2	7	6.0	6.1			0.1	9.1	10.0	0.89
	HT/VHT20 Beam Forming, M8 to M15	2	4	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20 Beam Forming, M0 to M7	3	9	3.3	2.3	1.7		0.1	7.3	8.0	0.69
	HT/VHT20 Beam Forming, M8 to M15	3	6	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20 Beam Forming, M16 to M23	3	4	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20 Beam Forming, M0 to M7	4	10	0.8	0.4	-0.3	-0.3	0.1	6.2	7.0	0.75
	HT/VHT20 Beam Forming, M8 to M15	4	7	3.9	3.7	2.9	2.5	0.1	9.4	10.0	0.64
	HT/VHT20 Beam Forming, M16 to M23	4	5	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 Beam Forming, M24 to M31	4	4	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 STBC, M0 to M7	2	4	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20 STBC, M0 to M7	3	6	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20 STBC, M0 to M7	4	7	3.9	3.7	2.9	2.5	0.1	9.4	10.0	0.64
	HE20, M0 to M9 1ss	1	4	6.0				0.1	6.1	11.0	4.93
	HE20, M0 to M9 1ss	2	7	6.0	5.7			0.1	8.9	10.0	1.07

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	HE20, M0 to M9 2ss	2	4	6.0	5.7			0.1	8.9	11.0	2.07
	HE20, M0 to M9 1ss	3	9	3.0	2.9	1.7		0.1	7.4	8.0	0.59
	HE20, M0 to M9 2ss	3	6	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20, M0 to M9 3ss	3	4	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20, M0 to M9 1ss	4	10	1.2	0.2	0.1	-0.1	0.1	6.5	7.0	0.53
	HE20, M0 to M9 2ss	4	7	4.3	3.5	2.7	2.7	0.1	9.4	10.0	0.56
	HE20, M0 to M9 3ss	4	5	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20, M0 to M9 4ss	4	4	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20 Beam Forming, M0 to M9 1ss	2	7	6.0	5.7			0.1	8.9	10.0	1.07
	HE20 Beam Forming, M0 to M9 2ss	2	4	6.0	5.7			0.1	8.9	11.0	2.07
	HE20 Beam Forming, M0 to M9 1ss	3	9	3.0	2.9	1.7		0.1	7.4	8.0	0.59
	HE20 Beam Forming, M0 to M9 2ss	3	6	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20 Beam Forming, M0 to M9 3ss	3	4	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20 Beam Forming, M0 to M9 1ss	4	10	1.2	0.2	0.1	-0.1	0.1	6.5	7.0	0.53
	HE20 Beam Forming, M0 to M9 2ss	4	7	4.3	3.5	2.7	2.7	0.1	9.4	10.0	0.56
	HE20 Beam Forming, M0 to M9 3ss	4	5	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20 Beam Forming, M0 to M9 4ss	4	4	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20 STBC, M0 to M9 2ss	2	4	6.0	5.7			0.1	8.9	11.0	2.07
	HE20 STBC, M0 to M9 2ss	3	6	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20 STBC, M0 to M9 2ss	4	7	4.3	3.5	2.7	2.7	0.1	9.4	10.0	0.56
	Non HT40, 6 to 54 Mbps	1	4	3.6				0.0	3.6	11.0	7.36
	Non HT40, 6 to 54 Mbps	2	7	3.6	3.9			0.0	6.8	10.0	3.19
	Non HT40, 6 to 54 Mbps	3	9	2.0	2.8	1.2		0.0	6.9	8.0	1.14
	Non HT40, 6 to 54 Mbps	4	10	1.1	2.1	-0.1	-0.2	0.0	6.9	7.0	0.11
	HT/VHT40, M0 to M7	1	4	2.7				0.1	2.8	11.0	8.20
	HT/VHT40, M0 to M7	2	7	2.7	3.6			0.1	6.3	10.0	3.71
	HT/VHT40, M8 to M15	2	4	2.7	3.6			0.1	6.3	11.0	4.71
	HT/VHT40, M0 to M7	3	9	2.7	3.6	1.9		0.1	7.7	8.0	0.34
	HT/VHT40, M8 to M15	3	6	2.7	3.6	1.9		0.1	7.7	11.0	3.34
	HT/VHT40, M16 to M23	3	4	2.7	3.6	1.9		0.1	7.7	11.0	3.34
5270	HT/VHT40, M0 to M7	4	10	1.2	1.5	-0.4	-0.4	0.1	6.7	7.0	0.31
2	HT/VHT40, M8 to M15	4	7	2.7	3.6	1.9	1.7	0.1	8.7	10.0	1.34
	HT/VHT40, M16 to M23	4	5	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40, M24 to M31	4	4	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	LITA/LITAO Deservices MO (e MZ	2	7	2.7	3.6			0.1	6.3	10.0	3.71
	HT/VHT40 Beam Forming, M0 to M7							0.1			4.71
	HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15	2	4	2.7	3.6			0.1	6.3	11.0	4.7
		3	4 9	2.7	3.6 2.5	1.3		0.1	6.8	8.0	1.17
	HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7					1.3					
	HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15	3	9	2.0	2.5	1.9		0.1	6.8	8.0	1.17
	HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7	3	9 6	2.0	2.5 3.6		-1.3	0.1 0.1 0.1	6.8 7.7	8.0 11.0 11.0	1.17 3.34
	HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7	3	9	2.0	2.5			0.1	6.8	8.0	1.17
	HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23	3 3 3	9 6 4	2.0 2.7 2.7	2.5 3.6 3.6	1.9 1.9	-1.3	0.1 0.1	6.8 7.7 7.7	8.0 11.0	1.17 3.34 3.34

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	HT/VHT40 Beam Forming, M16 to M23	4	5	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40 Beam Forming, M24 to M31	4	4	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40 STBC, M0 to M7	2	4	2.7	3.6			0.1	6.3	11.0	4.71
	HT/VHT40 STBC, M0 to M7	3	6	2.7	3.6	1.9		0.1	7.7	11.0	3.34
	HT/VHT40 STBC, M0 to M7	4	7	2.7	3.6	1.9	1.7	0.1	8.7	10.0	1.34
	HE40, M0 to M9 1ss	1	4	3.1				0.1	3.2	11.0	7.77
	HE40, M0 to M9 1ss	2	7	3.1	3.5			0.1	6.4	10.0	3.56
	HE40, M0 to M9 2ss	2	4	3.1	3.5			0.1	6.4	11.0	4.56
	HE40, M0 to M9 1ss	3	9	3.1	3.5	1.6		0.1	7.7	8.0	0.30
	HE40, M0 to M9 2ss	3	6	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40, M0 to M9 3ss	3	4	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40, M0 to M9 1ss	4	10	1.2	1.6	-0.3	-0.3	0.1	6.8	7.0	0.22
	HE40, M0 to M9 2ss	4	7	3.1	3.5	1.6	2.1	0.1	8.8	10.0	1.21
	HE40, M0 to M9 3ss	4	5	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40, M0 to M9 4ss	4	4	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40 Beam Forming, M0 to M9 1ss	2	7	3.1	3.5			0.1	6.4	10.0	3.56
	HE40 Beam Forming, M0 to M9 2ss	2	4	3.1	3.5			0.1	6.4	11.0	4.56
	HE40 Beam Forming, M0 to M9 1ss	3	9	1.2	1.6	-0.3		0.1	5.8	8.0	2.20
	HE40 Beam Forming, M0 to M9 2ss	3	6	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40 Beam Forming, M0 to M9 3ss	3	4	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40 Beam Forming, M0 to M9 1ss	4	10	-0.8	-0.3	-2.2	-1.8	0.1	4.9	7.0	2.06
	HE40 Beam Forming, M0 to M9 2ss	4	7	2.1	2.8	1.0	0.9	0.1	7.9	10.0	2.08
	HE40 Beam Forming, M0 to M9 3ss	4	5	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40 Beam Forming, M0 to M9 4ss	4	4	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40 STBC, M0 to M9 2ss	2	4	3.1	3.5			0.1	6.4	11.0	4.56
	HE40 STBC, M0 to M9 2ss	3	6	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40 STBC, M0 to M9 2ss	4	7	3.1	3.5	1.6	2.1	0.1	8.8	10.0	1.21
	·										
	Non HT80, 6 to 54 Mbps	1	4	-3.5				0.1	-3.4	11.0	14.45
	Non HT80, 6 to 54 Mbps	2	7	-5.1	-5.2			0.1	-2.1	10.0	12.09
	Non HT80, 6 to 54 Mbps	3	9	-5.1	-5.2	-5.6		0.1	-0.5	8.0	8.47
	Non HT80, 6 to 54 Mbps	4	10	-5.1	-5.2	-5.6	-5.5	0.1	0.7	7.0	6.27
	VHT80, M0 to M9 1ss	1	4	-4.5				0.2	-4.3	11.0	15.28
	VHT80, M0 to M9 1ss	2	7	-4.5	-5.0			0.2	-1.5	10.0	11.52
8	VHT80, M0 to M9 2ss	2	4	-4.5	-5.0			0.2	-1.5	11.0	12.52
5290	VHT80, M0 to M9 1ss	3	9	-4.5	-5.0	-4.8		0.2	0.2	8.0	7.77
	VHT80, M0 to M9 2ss	3	6	-4.5	-5.0	-4.8		0.2	0.2	11.0	10.77
	VHT80, M0 to M9 3ss	3	4	-4.5	-5.0	-4.8		0.2	0.2	11.0	10.77
	VHT80, M0 to M9 1ss	4	10	-5.4	-6.1	-6.0	-6.4	0.2	0.3	7.0	6.72
	VHT80, M0 to M9 2ss	4	7	-5.4	-6.1	-6.0	-6.4	0.2	0.3	10.0	9.72
	VHT80, M0 to M9 3ss	4	5	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	VHT80, M0 to M9 4ss	4	4	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72

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	VHT80 Beam Forming, M0 to M9 1ss	2	7	-5.4	-6.1			0.2	-2.5	10.0	12.51
	VHT80 Beam Forming, M0 to M9 2ss	2	4	-4.5	-5.0			0.2	-1.5	11.0	12.52
	VHT80 Beam Forming, M0 to M9 1ss	3	9	-6.0	-7.1	-7.4		0.2	-1.8	8.0	9.80
	VHT80 Beam Forming, M0 to M9 2ss	3	6	-5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
	VHT80 Beam Forming, M0 to M9 3ss	3	4	-4.5	-5.0	-4.8		0.2	0.2	11.0	10.77
	VHT80 Beam Forming, M0 to M9 1ss	4	10	-7.8	-8.2	-8.0	-7.9	0.2	-1.7	7.0	8.74
	VHT80 Beam Forming, M0 to M9 2ss	4	7	-6.0	-7.1	-7.4	-7.1	0.2	-0.6	10.0	10.63
	VHT80 Beam Forming, M0 to M9 3ss	4	5	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	VHT80 Beam Forming, M0 to M9 4ss	4	4	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	VHT80 STBC, M0 to M9 1ss	2	4	-4.5	-5.0			0.2	-1.5	11.0	12.52
	VHT80 STBC, M0 to M9 1ss	3	4	-4.5	-5.0	-4.8		0.2	0.2	11.0	10.77
	VHT80 STBC, M0 to M9 1ss	4	4	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	HE80, M0 to M9 1ss	1	4	-3.3				0.3	-3.0	11.0	14.05
	HE80, M0 to M9 1ss	2	7	-3.3	-4.3			0.3	-0.5	10.0	10.51
	HE80, M0 to M9 2ss	2	4	-3.3	-4.3			0.3	-0.5	11.0	11.51
	HE80, M0 to M9 1ss	3	9	-5.1	-5.9	-5.7		0.3	-0.5	8.0	8.53
	HE80, M0 to M9 2ss	3	6	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80, M0 to M9 3ss	3	4	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80, M0 to M9 1ss	4	10	-5.1	-5.9	-5.7	-6.5	0.3	0.5	7.0	6.50
	HE80, M0 to M9 2ss	4	7	-5.1	-5.9	-5.7	-6.5	0.3	0.5	10.0	9.50
	HE80, M0 to M9 3ss	4	5	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80, M0 to M9 4ss	4	4	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80 Beam Forming, M0 to M9 1ss	2	7	-5.1	-5.9			0.3	-2.2	10.0	12.22
	HE80 Beam Forming, M0 to M9 2ss	2	4	-3.3	-4.3			0.3	-0.5	11.0	11.51
	HE80 Beam Forming, M0 to M9 1ss	3	9	-7.3	-7.6	-7.7		0.3	-2.5	8.0	10.51
	HE80 Beam Forming, M0 to M9 2ss	3	6	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80 Beam Forming, M0 to M9 3ss	3	4	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80 Beam Forming, M0 to M9 1ss	4	10	-7.5	-8.7	-8.5	-9.2	0.3	-2.2	7.0	9.16
	HE80 Beam Forming, M0 to M9 2ss	4	7	-5.4	-6.4	-6.4	-7.1	0.3	0.0	10.0	10.01
	HE80 Beam Forming, M0 to M9 3ss	4	5	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80 Beam Forming, M0 to M9 4ss	4	4	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80 STBC, M0 to M9 1ss	2	4	-3.3	-4.3			0.3	-0.5	11.0	11.51
	HE80 STBC, M0 to M9 1ss	3	4	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80 STBC, M0 to M9 1ss	4	4	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
				<u>-</u>		-		-	-	-	
	Non HT20, 6 to 54 Mbps	1	4	6.6				0.1	6.7	11.0	4.35
	Non HT20, 6 to 54 Mbps	2	7	6.6	6.2			0.1	9.5	10.0	0.53
	Non HT20, 6 to 54 Mbps	3	9	3.1	2.7	2.0		0.1	7.4	8.0	0.55
5300	Non HT20, 6 to 54 Mbps	4	10	1.1	1.0	0.2	-0.2	0.1	6.6	7.0	0.37
5	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	6.6	6.2			0.1	9.5	10.0	0.53
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	3.1	2.7	2.0		0.1	7.4	8.0	0.55
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	1.1	1.0	0.2	-0.2	0.1	6.6	7.0	0.37
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HT/VHT20, M0 to M7	1	4	6.2				0.1	6.3	11.0	4.75
HT/VHT20, M0 to M7	2	7	6.2	5.7			0.1	9.0	10.0	0.98
HT/VHT20, M8 to M15	2	4	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20, M0 to M7	3	9	3.1	2.5	2.1		0.1	7.4	8.0	0.59
HT/VHT20, M8 to M15	3	6	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20, M16 to M23	3	4	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20, M0 to M7	4	10	0.8	0.6	0.0	-0.2	0.1	6.4	7.0	0.61
HT/VHT20, M8 to M15	4	7	3.7	3.6	3.0	2.8	0.1	9.4	10.0	0.64
HT/VHT20, M16 to M23	4	5	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20, M24 to M31	4	4	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 Beam Forming, M0 to M7	2	7	6.2	5.7			0.1	9.0	10.0	0.98
HT/VHT20 Beam Forming, M8 to M15	2	4	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20 Beam Forming, M0 to M7	3	9	3.1	2.5	2.1		0.1	7.4	8.0	0.59
HT/VHT20 Beam Forming, M8 to M15	3	6	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20 Beam Forming, M16 to M23	3	4	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20 Beam Forming, M0 to M7	4	10	0.8	0.6	0.0	-0.2	0.1	6.4	7.0	0.61
HT/VHT20 Beam Forming, M8 to M15	4	7	3.7	3.6	3.0	2.8	0.1	9.4	10.0	0.64
HT/VHT20 Beam Forming, M16 to M23	4	5	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 Beam Forming, M24 to M31	4	4	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 STBC, M0 to M7	2	4	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20 STBC, M0 to M7	3	6	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20 STBC, M0 to M7	4	7	3.7	3.6	3.0	2.8	0.1	9.4	10.0	0.64
HE20, M0 to M9 1ss	1	4	6.1				0.1	6.2	11.0	4.83
HE20, M0 to M9 1ss	2	7	6.1	6.3			0.1	9.3	10.0	0.72
HE20, M0 to M9 2ss	2	4	6.1	6.3			0.1	9.3	11.0	1.72
HE20, M0 to M9 1ss	3	9	3.2	2.9	1.9		0.1	7.5	8.0	0.46
HE20, M0 to M9 2ss	3	6	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20, M0 to M9 3ss	3	4	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20, M0 to M9 1ss	4	10	0.9	0.7	-0.1	-0.1	0.1	6.5	7.0	0.54
HE20, M0 to M9 2ss	4	7	3.8	3.7	2.8	3.4	0.1	9.5	10.0	0.47
HE20, M0 to M9 3ss	4	5	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20, M0 to M9 4ss	4	4	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 Beam Forming, M0 to M9 1ss	2	7	6.1	6.3			0.1	9.3	10.0	0.72
HE20 Beam Forming, M0 to M9 2ss	2	4	6.1	6.3			0.1	9.3	11.0	1.72
HE20 Beam Forming, M0 to M9 1ss	3	9	3.2	2.9	1.9		0.1	7.5	8.0	0.46
HE20 Beam Forming, M0 to M9 2ss	3	6	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20 Beam Forming, M0 to M9 3ss	3	4	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20 Beam Forming, M0 to M9 1ss	4	10	0.9	0.7	-0.1	-0.1	0.1	6.5	7.0	0.54
HE20 Beam Forming, M0 to M9 2ss	4	7	3.8	3.7	2.8	3.4	0.1	9.5	10.0	0.47
HE20 Beam Forming, M0 to M9 3ss	4	5	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 Beam Forming, M0 to M9 4ss	4	4	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 STBC, M0 to M9 2ss	2	4	6.1	6.3			0.1	9.3	11.0	1.72
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	HE20 STBC, M0 to M9 2ss	3	6	6.1	6.3	4.7		0.1	10.6	11.0	0.40
	HE20 STBC, M0 to M9 2ss	4	7	3.8	3.7	2.8	3.4	0.1	9.5	10.0	0.47
	Non HT40, 6 to 54 Mbps	1	4	-1.1				0.1	-1.0	11.0	12.05
	Non HT40, 6 to 54 Mbps	2	7	-1.1	-0.4			0.1	2.3	10.0	7.67
	Non HT40, 6 to 54 Mbps	3	9	-1.1	-0.4	-1.8		0.1	3.8	8.0	4.24
	Non HT40, 6 to 54 Mbps	4	10	-1.1	-0.4	-1.8	-1.7	0.1	4.9	7.0	2.14
	HT/VHT40, M0 to M7	1	4	-0.7				0.1	-0.6	11.0	11.65
	HT/VHT40, M0 to M7	2	7	-0.7	-0.7			0.1	2.4	10.0	7.64
	HT/VHT40, M8 to M15	2	4	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40, M0 to M7	3	9	-0.7	-0.7	-2.3		0.1	3.7	8.0	4.35
	HT/VHT40, M8 to M15	3	6	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
	HT/VHT40, M16 to M23	3	4	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
	HT/VHT40, M0 to M7	4	10	-0.7	-0.7	-2.3	-2.2	0.1	4.7	7.0	2.33
	HT/VHT40, M8 to M15	4	7	-0.7	-0.7	-2.3	-2.2	0.1	4.7	10.0	5.33
	HT/VHT40, M16 to M23	4	5	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40, M24 to M31	4	4	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40 Beam Forming, M0 to M7	2	7	-2.1	-1.9			0.1	1.1	10.0	8.94
	HT/VHT40 Beam Forming, M8 to M15	2	4	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40 Beam Forming, M0 to M7	3	9	-2.8	-2.7	-3.8		0.1	1.8	8.0	6.25
	HT/VHT40 Beam Forming, M8 to M15	3	6	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
	HT/VHT40 Beam Forming, M16 to M23	3	4	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
5310	HT/VHT40 Beam Forming, M0 to M7	4	10	-3.7	-4.2	-5.2	-5.5	0.1	1.5	7.0	5.52
2	HT/VHT40 Beam Forming, M8 to M15	4	7	-2.1	-1.9	-3.3	-3.4	0.1	3.5	10.0	6.55
	HT/VHT40 Beam Forming, M16 to M23	4	5	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40 Beam Forming, M24 to M31	4	4	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40 STBC, M0 to M7	2	4	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40 STBC, M0 to M7	3	6	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
	HT/VHT40 STBC, M0 to M7	4	7	-0.7	-0.7	-2.3	-2.2	0.1	4.7	10.0	5.33
	HE40, M0 to M9 1ss	1	4	-0.8				0.1	-0.7	11.0	11.73
	HE40, M0 to M9 1ss	2	7	-0.8	-0.5			0.1	2.4	10.0	7.57
	HE40, M0 to M9 2ss	2	4	-0.8	-0.5			0.1	2.4	11.0	8.57
	HE40, M0 to M9 1ss	3	9	-1.8	-2.0	-3.2		0.1	2.5	8.0	5.45
	HE40, M0 to M9 2ss	3	6	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40, M0 to M9 3ss	3	4	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40, M0 to M9 1ss	4	10	-1.8	-2.0	-3.2	-3.4	0.1	3.5	7.0	3.45
	HE40, M0 to M9 2ss	4	7	-1.8	-2.0	-3.2	-3.4	0.1	3.5	10.0	6.45
	HE40, M0 to M9 3ss	4	5	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40, M0 to M9 4ss	4	4	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 Beam Forming, M0 to M9 1ss	2	7	-1.8	-2.0	5.2	5. +	0.1	1.2	10.0	8.82
	HE40 Beam Forming, M0 to M9 2ss	2	4	-0.8	-0.5			0.1	2.4	11.0	8.57
	HE40 Beam Forming, M0 to M9 2ss	3	9	-2.9	-2.5	-3.9		0.1	1.8	8.0	6.22
	TILTO Dealli I offining, wo to we 155	J	3	-2.3	-2.0	-0.8		0.1	1.0	0.0	0.22

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	HE40 Beam Forming, M0 to M9 2ss	3	6	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40 Beam Forming, M0 to M9 3ss	3	4	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40 Beam Forming, M0 to M9 1ss	4	10	-3.7	-3.7	-4.9	-4.9	0.1	1.8	7.0	5.17
	HE40 Beam Forming, M0 to M9 2ss	4	7	-2.9	-2.5	-3.9	-4.4	0.1	2.7	10.0	7.27
	HE40 Beam Forming, M0 to M9 3ss	4	5	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 Beam Forming, M0 to M9 4ss	4	4	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 STBC, M0 to M9 2ss	2	4	-0.8	-0.5			0.1	2.4	11.0	8.57
	HE40 STBC, M0 to M9 2ss	3	6	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40 STBC, M0 to M9 2ss	4	7	-1.8	-2.0	-3.2	-3.4	0.1	3.5	10.0	6.45
	Non HT20, 6 to 54 Mbps	1	4	5.1				0.1	5.2	11.0	5.85
	Non HT20, 6 to 54 Mbps	2	7	5.1	4.9			0.1	8.1	10.0	1.94
	Non HT20, 6 to 54 Mbps	3	9	3.0	2.5	2.0		0.1	7.3	8.0	0.66
	Non HT20, 6 to 54 Mbps	4	10	1.2	0.5	0.4	0.1	0.1	6.6	7.0	0.36
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	4.3	3.5			0.1	7.0	10.0	3.02
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	3.0	2.5	2.0		0.1	7.3	8.0	0.66
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	1.2	0.5	0.4	0.1	0.1	6.6	7.0	0.36
	HT/VHT20, M0 to M7	1	4	4.8				0.1	4.9	11.0	6.15
	HT/VHT20, M0 to M7	2	7	4.8	4.3			0.1	7.6	10.0	2.38
	HT/VHT20, M8 to M15	2	4	4.8	4.3			0.1	7.6	11.0	3.38
	HT/VHT20, M0 to M7	3	9	3.0	2.4	1.7		0.1	7.2	8.0	0.78
	HT/VHT20, M8 to M15	3	6	4.8	4.3	3.8		0.1	9.1	11.0	1.86
	HT/VHT20, M16 to M23	3	4	4.8	4.3	3.8		0.1	9.1	11.0	1.86
	HT/VHT20, M0 to M7	4	10	0.6	0.2	0.0	-0.2	0.1	6.2	7.0	0.77
	HT/VHT20, M8 to M15	4	7	3.7	3.5	3.0	2.8	0.1	9.3	10.0	0.66
02	HT/VHT20, M16 to M23	4	5	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
5320	HT/VHT20, M24 to M31	4	4	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
	HT/VHT20 Beam Forming, M0 to M7	2	7	3.0	2.4			0.1	5.8	10.0	4.23
	HT/VHT20 Beam Forming, M8 to M15	2	4	4.8	4.3			0.1	7.6	11.0	3.38
	HT/VHT20 Beam Forming, M0 to M7	3	9	3.0	2.4	1.7		0.1	7.2	8.0	0.78
	HT/VHT20 Beam Forming, M8 to M15	3	6	3.7	3.5	3.0		0.1	8.2	11.0	2.77
	HT/VHT20 Beam Forming, M16 to M23	3	4	4.8	4.3	3.8		0.1	9.1	11.0	1.86
	HT/VHT20 Beam Forming, M0 to M7	4	10	0.6	0.2	0.0	-0.2	0.1	6.2	7.0	0.77
	HT/VHT20 Beam Forming, M8 to M15	4	7	3.0	2.4	1.7	1.9	0.1	8.4	10.0	1.65
	HT/VHT20 Beam Forming, M16 to M23	4	5	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
	HT/VHT20 Beam Forming, M24 to M31	4	4	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
	HT/VHT20 STBC, M0 to M7	2	4	4.8	4.3			0.1	7.6	11.0	3.38
	HT/VHT20 STBC, M0 to M7	3	6	4.8	4.3	3.8		0.1	9.1	11.0	1.86
	HT/VHT20 STBC, M0 to M7	4	7	3.7	3.5	3.0	2.8	0.1	9.3	10.0	0.66
	HE20, M0 to M9 1ss	1	4	4.0				0.1	4.1	11.0	6.93
	HE20, M0 to M9 1ss	2	7	4.0	3.6			0.1	6.9	10.0	3.12
	HE20, M0 to M9 2ss	2	4	4.0	3.6			0.1	6.9	11.0	4.12
	-,				2.0						

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HEZO, MO to M9 1ss												
HE20, M0 to M9 3ss		HE20, M0 to M9 1ss	3	9	3.1	2.3	1.9		0.1	7.3	8.0	0.70
HE20, M0 to M9 1ss		HE20, M0 to M9 2ss	3	6	4.0	3.6	2.9		0.1	8.4	11.0	2.64
HE20, M0 to M9 2ss		HE20, M0 to M9 3ss	3	4	4.0	3.6	2.9		0.1	8.4	11.0	2.64
HE20, M0 to M9 3ss		HE20, M0 to M9 1ss	4	10	0.6	0.7	0.0	-0.1	0.1	6.4	7.0	0.60
HE20, M0 to M9 4ss		HE20, M0 to M9 2ss	4	7	3.1	2.3	1.9	2.1	0.1	8.5	10.0	1.54
HE20 Beam Forming, M0 to M9 1ss		HE20, M0 to M9 3ss	4	5	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
HE20 Beam Forming, M0 to M9 2ss		HE20, M0 to M9 4ss	4	4	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
HE20 Beam Forming, M0 to M9 1ss		HE20 Beam Forming, M0 to M9 1ss	2	7	3.1	2.3			0.1	5.8	10.0	4.20
HE20 Beam Forming, M0 to M9 2ss		HE20 Beam Forming, M0 to M9 2ss	2	4	4.0	3.6			0.1	6.9	11.0	4.12
HE20 Beam Forming, M0 to M9 3ss		HE20 Beam Forming, M0 to M9 1ss	3	9	2.0	1.3	0.8		0.1	6.2	8.0	1.77
HE20 Beam Forming, M0 to M9 1ss		HE20 Beam Forming, M0 to M9 2ss	3	6	3.1	2.3	1.9		0.1	7.3	11.0	3.70
HE20 Beam Forming, M0 to M9 2ss		HE20 Beam Forming, M0 to M9 3ss	3	4	4.0	3.6	2.9		0.1	8.4	11.0	2.64
HE20 Beam Forming, M0 to M9 3ss		HE20 Beam Forming, M0 to M9 1ss	4	10	0.6	0.7	0.0	-0.1	0.1	6.4	7.0	0.60
HE20 Beam Forming, M0 to M9 4ss		HE20 Beam Forming, M0 to M9 2ss	4	7	2.0	1.3	0.8	0.8	0.1	7.3	10.0	2.66
HE20 STBC, M0 to M9 2ss		HE20 Beam Forming, M0 to M9 3ss	4	5	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
HE20 STBC, M0 to M9 2ss		HE20 Beam Forming, M0 to M9 4ss	4	4	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
HE20 STBC, M0 to M9 2ss		HE20 STBC, M0 to M9 2ss	2	4	4.0	3.6			0.1	6.9	11.0	4.12
Non HT160, 6 to 54 Mbps		HE20 STBC, M0 to M9 2ss	3	6	4.0	3.6	2.9		0.1	8.4	11.0	2.64
Non HT160, 6 to 54 Mbps		HE20 STBC, M0 to M9 2ss	4	7	3.1	2.3	1.9	2.1	0.1	8.5	10.0	1.54
Non HT160, 6 to 54 Mbps				<u> </u>	_	_	_					
Non HT160, 6 to 54 Mbps		Non HT160, 6 to 54 Mbps	1	4	-4.3				0.1	-4.2	11.0	15.25
Non HT160, 6 to 54 Mbps		Non HT160, 6 to 54 Mbps	2	7	-4.3	-8.5			0.1	-2.8	10.0	12.85
VHT160, M0 to M9 1ss		Non HT160, 6 to 54 Mbps	3	9	-5.1	-9.5	-10.2		0.1	-2.8	8.0	10.82
VHT160, M0 to M9 1ss		Non HT160, 6 to 54 Mbps	4	10	-5.1	-9.5	-10.2	-8.5	0.1	-1.8	7.0	8.77
VHT160, M0 to M9 2ss		VHT160, M0 to M9 1ss	1	4	-5.6				0.1	-5.5	11.0	16.55
VHT160, M0 to M9 1ss 3 9 -6.5 -9.4 -10.1 0.1 -3.5 8.0 11.55 VHT160, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160, M0 to M9 1ss 4 10 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 7.0 9.69 VHT160, M0 to M9 2ss 4 7 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 10.0 12.69 VHT160, M0 to M9 3ss 4 5 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160, M0 to M9 4ss 4 4 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 2ss 2 4 -5.6 -8.7 0.1 -3.8 11.0 14.81 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160, M0 to M9 1ss	2	7	-5.6	-8.7			0.1	-3.8	10.0	13.81
VHT160, M0 to M9 2ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160, M0 to M9 1ss 4 10 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 7.0 9.69 VHT160, M0 to M9 2ss 4 7 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 10.0 12.69 VHT160, M0 to M9 3ss 4 5 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160, M0 to M9 4ss 4 4 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 2ss 2 4 -5.6 -8.7 0.1 -3.8 11.0 14.81 VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 3ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160, M0 to M9 2ss	2	4	-5.6	-8.7			0.1	-3.8	11.0	14.81
VHT160, M0 to M9 3ss VHT160, M0 to M9 1ss 4 10 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 7.0 9.69 VHT160, M0 to M9 2ss 4 7 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 10.0 12.69 VHT160, M0 to M9 3ss 4 5 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160, M0 to M9 4ss 4 4 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 2ss 2 4 -5.6 -8.7 0.1 -3.8 11.0 14.81 VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160, M0 to M9 1ss	3	9	-6.5	-9.4	-10.1		0.1	-3.5	8.0	11.55
VHT160, M0 to M9 1ss		VHT160, M0 to M9 2ss	3	6	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
VHT160, M0 to M9 3ss 4 5 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160, M0 to M9 4ss 4 4 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 0.1 -4.6 10.0 14.65 VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160, M0 to M9 3ss	3	4	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
VHT160, M0 to M9 3ss 4 5 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160, M0 to M9 4ss 4 4 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 0.1 -4.6 10.0 14.65 VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69	20	VHT160, M0 to M9 1ss	4	10	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	7.0	9.69
VHT160, M0 to M9 4ss 4 4 -6.5 -9.4 -10.1 -10.2 0.1 -2.7 11.0 13.69 VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 0.1 -4.6 10.0 14.65 VHT160 Beam Forming, M0 to M9 2ss 2 4 -5.6 -8.7 0.1 -3.8 11.0 14.81 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69	52	VHT160, M0 to M9 2ss	4	7	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	10.0	12.69
VHT160 Beam Forming, M0 to M9 1ss 2 7 -6.5 -9.4 0.1 -4.6 10.0 14.65 VHT160 Beam Forming, M0 to M9 2ss 2 4 -5.6 -8.7 0.1 -3.8 11.0 14.81 VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160, M0 to M9 3ss	4	5	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
VHT160 Beam Forming, M0 to M9 2ss 2 4 -5.6 -8.7 0.1 -3.8 11.0 14.81 VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160, M0 to M9 4ss	4	4	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		VHT160 Beam Forming, M0 to M9 1ss	2	7	-6.5	-9.4			0.1	-4.6	10.0	14.65
VHT160 Beam Forming, M0 to M9 1ss 3 9 -7.7 -10.4 -10.7 0.1 -4.6 8.0 12.55 VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69		_		4								
VHT160 Beam Forming, M0 to M9 2ss 3 6 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69			3	9			-10.7		0.1			
VHT160 Beam Forming, M0 to M9 3ss 3 4 -6.5 -9.4 -10.1 0.1 -3.5 11.0 14.55 VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69			3				-10.1					
VHT160 Beam Forming, M0 to M9 1ss 4 10 -8.9 -11.6 -12.0 -12.4 0.1 -4.9 7.0 11.91 VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69				4								
VHT160 Beam Forming, M0 to M9 2ss 4 7 -7.7 -10.4 -10.7 -11.2 0.1 -3.7 10.0 13.69			4	10				-12.4				
			4									
		VHT160 Beam Forming, M0 to M9 3ss	4	5	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69

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VHT160 Beam Forming, M0 to M9 4ss	4	4	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
VHT160 STBC, M0 to M9 1ss	2	4	-5.6	-8.7			0.1	-3.8	11.0	14.81
VHT160 STBC, M0 to M9 1ss	3	4	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
VHT160 STBC, M0 to M9 1ss	4	4	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
HE160, M0 to M9 1ss	1	4	-4.9				0.1	-4.8	11.0	15.83
HE160, M0 to M9 1ss	2	7	-4.9	-7.0			0.1	-2.7	10.0	12.75
HE160, M0 to M9 2ss	2	4	-4.9	-7.0			0.1	-2.7	11.0	13.75
HE160, M0 to M9 1ss	3	9	-4.9	-7.0	-7.8		0.1	-1.5	8.0	9.55
HE160, M0 to M9 2ss	3	6	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160, M0 to M9 3ss	3	4	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160, M0 to M9 1ss	4	10	-4.9	-7.0	-7.8	-7.4	0.1	-0.5	7.0	7.53
HE160, M0 to M9 2ss	4	7	-4.9	-7.0	-7.8	-7.4	0.1	-0.5	10.0	10.53
HE160, M0 to M9 3ss	4	5	-4.9	-7.0	-7.8	-7.4	0.1	-0.5	11.0	11.53
HE160, M0 to M9 4ss	4	4	-4.9	-7.0	-7.8	-7.4	0.1	-0.5	11.0	11.53
HE160 Beam Forming, M0 to M9 1ss	2	7	-5.5	-8.5			0.1	-3.7	10.0	13.67
HE160 Beam Forming, M0 to M9 2ss	2	4	-4.9	-7.0			0.1	-2.7	11.0	13.75
HE160 Beam Forming, M0 to M9 1ss	3	9	-6.3	-8.8	-9.9		0.1	-3.2	8.0	11.22
HE160 Beam Forming, M0 to M9 2ss	3	6	-5.5	-8.5	-8.8		0.1	-2.5	11.0	13.49
HE160 Beam Forming, M0 to M9 3ss	3	4	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160 Beam Forming, M0 to M9 1ss	4	10	-7.1	-10.2	-10.9	-11.0	0.1	-3.4	7.0	10.39
HE160 Beam Forming, M0 to M9 2ss	4	7	-6.3	-8.8	-9.9	-9.8	0.1	-2.3	10.0	12.35
HE160 Beam Forming, M0 to M9 3ss	4	5	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160 Beam Forming, M0 to M9 4ss	4	4	-4.9	-7.0	-7.8	-7.4	0.1	-0.5	11.0	11.53
HE160 STBC, M0 to M9 1ss	2	4	-4.9	-7.0			0.1	-2.7	11.0	13.75
HE160 STBC, M0 to M9 1ss	3	4	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160 STBC, M0 to M9 1ss	4	4	-4.9	-7.0	-7.8	-7.4	0.1	-0.5	11.0	11.53









Antenna A







Antenna C

Antenna D



A.5 Conducted Spurious Emissions

Conducted Spurious Emissions Test Requirement

15.407(b) *Undesirable emission limits.* Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.

Use formula below to substitute conducted measurements in place of radiated measurements

E[dBμV/m] = EIRP[dBm] - 20 log(d[meters]) + 104.77, where E = field strength and d = 3 meter

- 1) Average Plot, Limit= -41.25 dBm eirp
- 2) Peak plot, Limit = -21.25 dBm eirp

Conducted Spurious Emissions Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Ref. ANSI C63.10: 2013

Conducted Spurious Emissions

Test Procedure

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Place the radio in continuous transmit mode
- 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).
- 4. Use the peak marker function to determine the maximum spurs amplitude level.
- 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2)
- 6. Capture graphs and record pertinent measurement data.

Ref. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions Test parameters	
Peak	Average
RBW = 1 MHz	RBW = 1 MHz
VBW ≥ 3 MHz	VBW ≥ 3 MHz
Sweep = Auto	Sweep = Auto

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Detector = Peak	Detector = RMS
Trace = Max Hold.	Power Averaging

Add the max antenna gain + ground reflection factor (4.7 dB for frequencies between 30 MHz and 1000 MHz, and 0 dB for frequencies > 1000 MHz).

Samples, Systems, and Modes

System	Description	Samples	System under	Support
Number	-	-	test	equipment
4	EUT	S01	\checkmark	
1	Support			\checkmark

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Conducted Spurs Average Upper, 5260 MHz, Non HT20, 6 to 54 Mbps



Conducted Spurs Peak Upper, 5260 MHz, Non HT20, 6 to 54 Mbps





Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Tx 3 Spur Power (dBm)	Tx 4 Spur Power (dBm)	Duty Cycle Correction (dB)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	4	-60.6				0.1	-56.5	-41.25	15.30
	Non HT20, 6 to 54 Mbps	2	4	-60.6	-56.7			0.1	-51.2	-41.25	9.92
	Non HT20, 6 to 54 Mbps	3	4	-63.0	-58.8	-60.9	00.0	0.1	-51.7	-41.25	10.50
	Non HT20, 6 to 54 Mbps	4	4	-64.1	-60.9	-62.9	-63.0	0.1	-52.5	-41.25	11.24
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	-60.6	-56.7	00.0		0.1	-48.2	-41.25	6.92
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	-63.0	-58.8	-60.9	00.0	0.1	-46.7	-41.25	5.50
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	-64.1	-60.9	-62.9	-63.0	0.1	-46.5	-41.25	5.24
	HT/VHT20, M0 to M7	1	4	-60.6	50.7			0.1	-56.5	-41.25	15.30
	HT/VHT20, M0 to M7	2	4	-60.6	-56.7			0.1	-51.2	-41.25	9.91
	HT/VHT20, M8 to M15	2	4	-60.6	-56.7			0.1	-51.2	-41.25	9.91
	HT/VHT20, M0 to M7	3	4	-63.1	-58.6	-60.7		0.1	-51.6	-41.25	10.35
	HT/VHT20, M8 to M15	3	4	-60.6	-56.7	-59.0		0.1	-49.6	-41.25	8.40
	HT/VHT20, M16 to M23	3	4	-60.6	-56.7	-59.0	00.0	0.1	-49.6	-41.25	8.40
	HT/VHT20, M0 to M7	4	4	-64.2	-60.6	-63.0	-62.8	0.1	-52.4	-41.25	11.12
99	HT/VHT20, M8 to M15	4	4	-62.6	-58.0	-60.1	-60.3	0.1	-49.9	-41.25	8.63
5260	HT/VHT20, M16 to M23	4	4	-61.2	-57.4	-59.8	-59.7	0.1	-49.2	-41.25	7.98
	HT/VHT20, M24 to M31	4	4	-61.2	-57.4	-59.8	-59.7	0.1	-49.2	-41.25	7.98
	HT/VHT20 Beam Forming, M0 to M7	2	7	-60.6	-56.7			0.1	-48.2	-41.25	6.91
	HT/VHT20 Beam Forming, M8 to M15	2	4	-60.6	-56.7			0.1	-51.2	-41.25	9.91
	HT/VHT20 Beam Forming, M0 to M7	3	9	-63.1	-58.6	-60.7		0.1	-46.6	-41.25	5.35
	HT/VHT20 Beam Forming, M8 to M15	3	6	-60.6	-56.7	-59.0		0.1	-47.6	-41.25	6.40
	HT/VHT20 Beam Forming, M16 to M23	3	4	-60.6	-56.7	-59.0	00.0	0.1	-49.6	-41.25	8.40
	HT/VHT20 Beam Forming, M0 to M7	4	10	-64.2	-60.6	-63.0	-62.8	0.1	-46.4	-41.25	5.12
	HT/VHT20 Beam Forming, M8 to M15	4	7	-62.6	-58.0	-60.1	-60.3	0.1	-46.9	-41.25	5.63
	HT/VHT20 Beam Forming, M16 to M23	4	5	-61.2	-57.4	-59.8	-59.7	0.1	-48.2	-41.25	6.98
	HT/VHT20 Beam Forming, M24 to M31	4	4	-61.2	-57.4	-59.8	-59.7	0.1	-49.2	-41.25	7.98
	HT/VHT20 STBC, M0 to M7	2	4	-60.6	-56.7	50.0		0.1	-51.2	-41.25	9.91
	HT/VHT20 STBC, M0 to M7	3	4	-60.6	-56.7	-59.0	00.0	0.1	-49.6	-41.25	8.40
	HT/VHT20 STBC, M0 to M7	4	4	-62.6	-58.0	-60.1	-60.3	0.1	-49.9	-41.25	8.63
	HE20, M0 to M9 1ss	1	4	-60.8	50.0			0.1	-56.7	-41.25	15.48
	HE20, M0 to M9 1ss	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.88

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	HE20, M0 to M9 2ss	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.88
	HE20, M0 to M9 1ss	3	4	-63.0	-58.5	-60.8		0.1	-51.5	-41.25	10.30
	HE20, M0 to M9 2ss	3	4	-60.8	-56.6	-58.8		0.1	-49.6	-41.25	8.31
	HE20, M0 to M9 3ss	3	4	-60.8	-56.6	-58.8		0.1	-49.6	-41.25	8.31
	HE20, M0 to M9 1ss	4	4	-64.2	-60.7	-63.0	-62.9	0.1	-52.4	-41.25	11.17
	HE20, M0 to M9 2ss	4	4	-62.6	-58.0	-60.2	-60.2	0.1	-49.9	-41.25	8.61
	HE20, M0 to M9 3ss	4	4	-61.2	-57.5	-59.4	-59.7	0.1	-49.2	-41.25	7.91
	HE20, M0 to M9 4ss	4	4	-61.2	-57.5	-59.4	-59.7	0.1	-49.2	-41.25	7.91
	HE20 Beam Forming, M0 to M9 1ss	2	7	-60.8	-56.6			0.1	-48.1	-41.25	6.88
	HE20 Beam Forming, M0 to M9 2ss	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.88
	HE20 Beam Forming, M0 to M9 1ss	3	9	-63.0	-58.5	-60.8		0.1	-46.5	-41.25	5.30
	HE20 Beam Forming, M0 to M9 2ss	3	6	-60.8	-56.6	-58.8		0.1	-47.6	-41.25	6.31
	HE20 Beam Forming, M0 to M9 3ss	3	4	-60.8	-56.6	-58.8		0.1	-49.6	-41.25	8.31
	HE20 Beam Forming, M0 to M9 1ss	4	10	-64.2	-60.7	-63.0	-62.9	0.1	-46.4	-41.25	5.17
	HE20 Beam Forming, M0 to M9 2ss	4	7	-62.6	-58.0	-60.2	-60.2	0.1	-46.9	-41.25	5.61
	HE20 Beam Forming, M0 to M9 3ss	4	5	-61.2	-57.5	-59.4	-59.7	0.1	-48.2	-41.25	6.91
	HE20 Beam Forming, M0 to M9 4ss	4	4	-61.2	-57.5	-59.4	-59.7	0.1	-49.2	-41.25	7.91
	HE20 STBC, M0 to M9 2ss	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.88
	HE20 STBC, M0 to M9 2ss	3	4	-60.8	-56.6	-58.8		0.1	-49.6	-41.25	8.31
	HE20 STBC, M0 to M9 2ss	4	4	-62.6	-58.0	-60.2	-60.2	0.1	-49.9	-41.25	8.61
	Non HT40, 6 to 54 Mbps	1	4	-61.1				0.0	-57.1	-41.25	15.81
	Non HT40, 6 to 54 Mbps	2	4	-61.1	-56.0			0.0	-50.8	-41.25	9.54
	Non HT40, 6 to 54 Mbps	3	4	-61.5	-57.1	-59.3		0.0	-50.1	-41.25	8.87
	Non HT40, 6 to 54 Mbps	4	4	-62.5	-57.7	-60.0	-59.9	0.0	-49.6	-41.25	8.39
	HT/VHT40, M0 to M7	1	4	-60.8				0.1	-56.7	-41.25	15.45
	HT/VHT40, M0 to M7	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.85
	HT/VHT40, M8 to M15	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.85
	HT/VHT40, M0 to M7	3	4	-60.8	-56.6	-58.6		0.1	-49.5	-41.25	8.21
	HT/VHT40, M8 to M15	3	4	-60.8	-56.6	-58.6		0.1	-49.5	-41.25	8.21
	HT/VHT40, M16 to M23	3	4	-60.8	-56.6	-58.6		0.1	-49.5	-41.25	8.21
5270	HT/VHT40, M0 to M7	4	4	-62.9	-57.8	-60.2	-60.1	0.1	-49.8	-41.25	8.51
2	HT/VHT40, M8 to M15	4	4	-60.8	-56.6	-58.6	-58.9	0.1	-48.3	-41.25	7.10
	HT/VHT40, M16 to M23	4	4	-60.8	-56.6	-58.6	-58.9	0.1	-48.3	-41.25	7.10
	HT/VHT40, M24 to M31	4	4	-60.8	-56.6	-58.6	-58.9	0.1	-48.3	-41.25	7.10
	HT/VHT40 Beam Forming, M0 to M7	2	7	-60.8	-56.6			0.1	-48.1	-41.25	6.85
	HT/VHT40 Beam Forming, M8 to M15	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.85
	HT/VHT40 Beam Forming, M0 to M7	3	9	-61.5	-57.1	-59.6		0.1	-45.2	-41.25	3.90
	HT/VHT40 Beam Forming, M8 to M15	3	6	-60.8	-56.6	-58.6		0.1	-47.5	-41.25	6.21
	HT/VHT40 Beam Forming, M16 to M23	3	4	-60.8	-56.6	-58.6		0.1	-49.5	-41.25	8.21
	HT/VHT40 Beam Forming, M0 to M7	4	10	-63.2	-58.4	-60.8	-61.0	0.1	-44.4	-41.25	3.15
	HT/VHT40 Beam Forming, M8 to M15	4	7	-60.8	-56.6	-58.6	-58.9	0.1	-45.3	-41.25	4.10

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	HT/VHT40 Beam Forming, M16 to M23	4	5	-60.8	-56.6	-58.6	-58.9	0.1	-47.3	-41.25	6.10
	HT/VHT40 Beam Forming, M24 to M31	4	4	-60.8	-56.6	-58.6	-58.9	0.1	-48.3	-41.25	7.10
	HT/VHT40 STBC, M0 to M7	2	4	-60.8	-56.6			0.1	-51.1	-41.25	9.85
	HT/VHT40 STBC, M0 to M7	3	4	-60.8	-56.6	-58.6		0.1	-49.5	-41.25	8.21
	HT/VHT40 STBC, M0 to M7	4	4	-60.8	-56.6	-58.6	-58.9	0.1	-48.3	-41.25	7.10
	HE40, M0 to M9 1ss	1	4	-60.9				0.1	-56.8	-41.25	15.52
	HE40, M0 to M9 1ss	2	4	-60.9	-56.1			0.1	-50.7	-41.25	9.48
	HE40, M0 to M9 2ss	2	4	-60.9	-56.1			0.1	-50.7	-41.25	9.48
	HE40, M0 to M9 1ss	3	4	-60.9	-56.1	-58.7		0.1	-49.2	-41.25	7.98
	HE40, M0 to M9 2ss	3	4	-60.9	-56.1	-58.7		0.1	-49.2	-41.25	7.98
	HE40, M0 to M9 3ss	3	4	-60.9	-56.1	-58.7		0.1	-49.2	-41.25	7.98
	HE40, M0 to M9 1ss	4	4	-62.6	-57.9	-60.1	-60.2	0.1	-49.7	-41.25	8.49
	HE40, M0 to M9 2ss	4	4	-60.9	-56.1	-58.7	-58.6	0.1	-48.1	-41.25	6.85
	HE40, M0 to M9 3ss	4	4	-60.9	-56.1	-58.7	-58.6	0.1	-48.1	-41.25	6.85
	HE40, M0 to M9 4ss	4	4	-60.9	-56.1	-58.7	-58.6	0.1	-48.1	-41.25	6.85
	HE40 Beam Forming, M0 to M9 1ss	2	7	-60.9	-56.1			0.1	-47.7	-41.25	6.48
	HE40 Beam Forming, M0 to M9 2ss	2	4	-60.9	-56.1			0.1	-50.7	-41.25	9.48
	HE40 Beam Forming, M0 to M9 1ss	3	9	-62.6	-57.9	-60.1		0.1	-45.9	-41.25	4.64
	HE40 Beam Forming, M0 to M9 2ss	3	6	-60.9	-56.1	-58.7		0.1	-47.2	-41.25	5.98
	HE40 Beam Forming, M0 to M9 3ss	3	4	-60.9	-56.1	-58.7		0.1	-49.2	-41.25	7.98
	HE40 Beam Forming, M0 to M9 1ss	4	10	-63.8	-59.0	-61.0	-61.6	0.1	-44.9	-41.25	3.63
	HE40 Beam Forming, M0 to M9 2ss	4	7	-61.3	-57.1	-59.4	-59.5	0.1	-45.9	-41.25	4.67
	HE40 Beam Forming, M0 to M9 3ss	4	5	-60.9	-56.1	-58.7	-58.6	0.1	-47.1	-41.25	5.85
	HE40 Beam Forming, M0 to M9 4ss	4	4	-60.9	-56.1	-58.7	-58.6	0.1	-48.1	-41.25	6.85
	HE40 STBC, M0 to M9 2ss	2	4	-60.9	-56.1			0.1	-50.7	-41.25	9.48
	HE40 STBC, M0 to M9 2ss	3	4	-60.9	-56.1	-58.7		0.1	-49.2	-41.25	7.98
	HE40 STBC, M0 to M9 2ss	4	4	-60.9	-56.1	-58.7	-58.6	0.1	-48.1	-41.25	6.85
		•							-		
	Non HT80, 6 to 54 Mbps	1	4	-63.7				0.1	-59.6	-41.25	18.40
	Non HT80, 6 to 54 Mbps	2	4	-64.5	-60.4			0.1	-54.9	-41.25	13.67
	Non HT80, 6 to 54 Mbps	3	4	-64.5	-60.4	-61.3		0.1	-52.9	-41.25	11.67
	Non HT80, 6 to 54 Mbps	4	4	-64.5	-60.4	-61.3	-61.6	0.1	-51.6	-41.25	10.39
	VHT80, M0 to M9 1ss	1	4	-64.1	3311	0110	0.110	0.2	-59.9	-41.25	18.63
	VHT80, M0 to M9 1ss	2	4	-64.1	-59.5			0.2	-54.0	-41.25	12.74
0	VHT80, M0 to M9 2ss	2	4	-64.1	-59.5			0.2	-54.0	-41.25	12.74
5290	VHT80, M0 to M9 1ss	3	4	-64.1	-59.5	-61.2		0.2	-52.2	-41.25	10.97
	VHT80, M0 to M9 2ss	3	4	-64.1	-59.5	-61.2		0.2	-52.2	-41.25	10.97
	VHT80, M0 to M9 3ss	3	4	-64.1	-59.5	-61.2		0.2	-52.2	-41.25	10.97
	VHT80, M0 to M9 1ss	4	4	-64.6	-61.4	-61.7	-62.6	0.2	-52.2	-41.25	10.92
	VHT80, M0 to M9 2ss	4	4	-64.6	-61.4	-61.7	-62.6	0.2	-52.2	-41.25	10.92
	VHT80, M0 to M9 3ss	4	4	-64.6	-61.4	-61.7	-62.6	0.2	-52.2	-41.25	10.92
	VHT80, M0 to M9 4ss	4	4	-64.6	-61.4	-61.7	-62.6	0.2	-52.2	-41.25	10.92
	V111 00, IVIO 10 IVI3 455	4	4	-04.0	-01.4	-01.7	-02.0	0.2	-32.2	-41.25	10.92

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	VHT80 Beam Forming, M0 to M9 1ss	2	7	-64.6	-61.4			0.2	-52.5	-41.25	11.24
	VHT80 Beam Forming, M0 to M9 2ss	2	4	-64.1	-59.5			0.2	-54.0	-41.25	12.74
	VHT80 Beam Forming, M0 to M9 1ss	3	9	-65.2	-61.7	-63.4		0.2	-49.2	-41.25	7.97
	VHT80 Beam Forming, M0 to M9 2ss	3	6	-64.6	-61.4	-61.7		0.2	-51.4	-41.25	10.11
	VHT80 Beam Forming, M0 to M9 3ss	3	4	-64.1	-59.5	-61.2		0.2	-52.2	-41.25	10.97
	VHT80 Beam Forming, M0 to M9 1ss	4	10	-66.8	-62.5	-64.0	-63.7	0.2	-47.8	-41.25	6.50
	VHT80 Beam Forming, M0 to M9 2ss	4	7	-65.2	-61.7	-63.4	-62.9	0.2	-49.9	-41.25	8.64
	VHT80 Beam Forming, M0 to M9 3ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92
	VHT80 Beam Forming, M0 to M9 4ss	4	4	-64.6	-61.4	-61.7	-62.6	0.2	-52.2	-41.25	10.92
	VHT80 STBC, M0 to M9 1ss	2	4	-64.1	-59.5			0.2	-54.0	-41.25	12.74
	VHT80 STBC, M0 to M9 1ss	3	4	-64.1	-59.5	-61.2		0.2	-52.2	-41.25	10.97
	VHT80 STBC, M0 to M9 1ss	4	4	-64.6	-61.4	-61.7	-62.6	0.2	-52.2	-41.25	10.92
	HE80, M0 to M9 1ss	1	4	-64.1				0.3	-59.8	-41.25	18.60
	HE80, M0 to M9 1ss	2	4	-64.1	-59.5			0.3	-54.0	-41.25	12.71
	HE80, M0 to M9 2ss	2	4	-64.1	-59.5			0.3	-54.0	-41.25	12.71
	HE80, M0 to M9 1ss	3	4	-64.8	-61.0	-61.6		0.3	-53.2	-41.25	11.91
	HE80, M0 to M9 2ss	3	4	-64.8	-61.0	-61.6		0.3	-53.2	-41.25	11.91
	HE80, M0 to M9 3ss	3	4	-64.8	-61.0	-61.6		0.3	-53.2	-41.25	11.91
	HE80, M0 to M9 1ss	4	4	-64.8	-61.0	-61.6	-62.5	0.3	-52.0	-41.25	10.73
	HE80, M0 to M9 2ss	4	4	-64.8	-61.0	-61.6	-62.5	0.3	-52.0	-41.25	10.73
	HE80, M0 to M9 3ss	4	4	-64.8	-61.0	-61.6	-62.5	0.3	-52.0	-41.25	10.73
	HE80, M0 to M9 4ss	4	4	-64.8	-61.0	-61.6	-62.5	0.3	-52.0	-41.25	10.73
	HE80 Beam Forming, M0 to M9 1ss	2	7	-64.8	-61.0			0.3	-52.2	-41.25	10.99
	HE80 Beam Forming, M0 to M9 2ss	2	4	-64.1	-59.5			0.3	-54.0	-41.25	12.71
	HE80 Beam Forming, M0 to M9 1ss	3	9	-67.0	-62.1	-63.8		0.3	-49.8	-41.25	8.59
	HE80 Beam Forming, M0 to M9 2ss	3	6	-64.8	-61.0	-61.6		0.3	-51.2	-41.25	9.91
	HE80 Beam Forming, M0 to M9 3ss	3	4	-64.8	-61.0	-61.6		0.3	-53.2	-41.25	11.91
	HE80 Beam Forming, M0 to M9 1ss	4	10	-67.4	-62.5	-64.4	-64.0	0.3	-48.0	-41.25	6.72
	HE80 Beam Forming, M0 to M9 2ss	4	7	-65.2	-61.4	-63.5	-63.2	0.3	-49.8	-41.25	8.60
	HE80 Beam Forming, M0 to M9 3ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
	HE80 Beam Forming, M0 to M9 4ss	4	4	-64.8	-61.0	-61.6	-62.5	0.3	-52.0	-41.25	10.73
	HE80 STBC, M0 to M9 1ss	2	4	-64.1	-59.5			0.3	-54.0	-41.25	12.71
	HE80 STBC, M0 to M9 1ss	3	4	-64.8	-61.0	-61.6		0.3	-53.2	-41.25	11.91
	HE80 STBC, M0 to M9 1ss	4	4	-64.8	-61.0	-61.6	-62.5	0.3	-52.0	-41.25	10.73
	Non HT20, 6 to 54 Mbps	1	4	-60.2				0.1	-56.1	-41.25	14.90
	Non HT20, 6 to 54 Mbps	2	4	-60.2	-55.8			0.1	-50.4	-41.25	9.15
0	Non HT20, 6 to 54 Mbps	3	4	-62.6	-57.9	-60.5		0.1	-51.1	-41.25	9.84
5300	Non HT20, 6 to 54 Mbps	4	4	-63.6	-59.3	-62.3	-62.5	0.1	-51.5	-41.25	10.29
(1)	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	-60.2	-55.8			0.1	-47.4	-41.25	6.15
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	-62.6	-57.9	-60.5		0.1	-46.1	-41.25	4.84
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	-63.6	-59.3	-62.3	-62.5	0.1	-45.5	-41.25	4.29

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HT/VHT20, M0 to M7	1	4	-60.2				0.1	-56.1	-41.25	14.90
HT/VHT20, M0 to M7	2	4	-60.2	-55.8			0.1	-50.4	-41.25	9.15
HT/VHT20, M8 to M15	2	4	-60.2	-55.8			0.1	-50.4	-41.25	9.15
HT/VHT20, M0 to M7	3	4	-62.6	-58.1	-60.5		0.1	-51.2	-41.25	9.94
HT/VHT20, M8 to M15	3	4	-60.2	-55.8	-58.6		0.1	-49.0	-41.25	7.74
HT/VHT20, M16 to M23	3	4	-60.2	-55.8	-58.6		0.1	-49.0	-41.25	7.74
HT/VHT20, M0 to M7	4	4	-64.0	-60.0	-62.6	-62.6	0.1	-52.0	-41.25	10.72
HT/VHT20, M8 to M15	4	4	-62.1	-57.2	-59.9	-59.9	0.1	-49.3	-41.25	8.10
HT/VHT20, M16 to M23	4	4	-61.3	-56.5	-59.3	-59.4	0.1	-48.7	-41.25	7.45
HT/VHT20, M24 to M31	4	4	-61.3	-56.5	-59.3	-59.4	0.1	-48.7	-41.25	7.45
HT/VHT20 Beam Forming, M0 to M7	2	7	-60.2	-55.8			0.1	-47.4	-41.25	6.15
HT/VHT20 Beam Forming, M8 to M15	2	4	-60.2	-55.8			0.1	-50.4	-41.25	9.15
HT/VHT20 Beam Forming, M0 to M7	3	9	-62.6	-58.1	-60.5		0.1	-46.2	-41.25	4.94
HT/VHT20 Beam Forming, M8 to M15	3	6	-60.2	-55.8	-58.6		0.1	-47.0	-41.25	5.74
HT/VHT20 Beam Forming, M16 to M23	3	4	-60.2	-55.8	-58.6		0.1	-49.0	-41.25	7.74
HT/VHT20 Beam Forming, M0 to M7	4	10	-64.0	-60.0	-62.6	-62.6	0.1	-46.0	-41.25	4.72
HT/VHT20 Beam Forming, M8 to M15	4	7	-62.1	-57.2	-59.9	-59.9	0.1	-46.3	-41.25	5.10
HT/VHT20 Beam Forming, M16 to M23	4	5	-61.3	-56.5	-59.3	-59.4	0.1	-47.7	-41.25	6.45
HT/VHT20 Beam Forming, M24 to M31	4	4	-61.3	-56.5	-59.3	-59.4	0.1	-48.7	-41.25	7.45
HT/VHT20 STBC, M0 to M7	2	4	-60.2	-55.8			0.1	-50.4	-41.25	9.15
HT/VHT20 STBC, M0 to M7	3	4	-60.2	-55.8	-58.6		0.1	-49.0	-41.25	7.74
HT/VHT20 STBC, M0 to M7	4	4	-62.1	-57.2	-59.9	-59.9	0.1	-49.3	-41.25	8.10
HE20, M0 to M9 1ss	1	4	-60.2				0.1	-56.1	-41.25	14.88
HE20, M0 to M9 1ss	2	4	-60.2	-55.9			0.1	-50.5	-41.25	9.21
HE20, M0 to M9 2ss	2	4	-60.2	-55.9			0.1	-50.5	-41.25	9.21
HE20, M0 to M9 1ss	3	4	-62.5	-57.9	-60.5		0.1	-51.1	-41.25	9.80
HE20, M0 to M9 2ss	3	4	-60.2	-55.9	-58.3		0.1	-48.9	-41.25	7.69
HE20, M0 to M9 3ss	3	4	-60.2	-55.9	-58.3		0.1	-48.9	-41.25	7.69
HE20, M0 to M9 1ss	4	4	-64.0	-59.9	-62.5	-62.5	0.1	-51.9	-41.25	10.62
HE20, M0 to M9 2ss	4	4	-62.0	-56.9	-59.7	-59.9	0.1	-49.1	-41.25	7.90
HE20, M0 to M9 3ss	4	4	-61.3	-56.3	-59.1	-59.3	0.1	-48.5	-41.25	7.29
HE20, M0 to M9 4ss	4	4	-61.3	-56.3	-59.1	-59.3	0.1	-48.5	-41.25	7.29
HE20 Beam Forming, M0 to M9 1ss	2	7	-60.2	-55.9			0.1	-47.5	-41.25	6.21
HE20 Beam Forming, M0 to M9 2ss	2	4	-60.2	-55.9			0.1	-50.5	-41.25	9.21
HE20 Beam Forming, M0 to M9 1ss	3	9	-62.5	-57.9	-60.5		0.1	-46.1	-41.25	4.80
HE20 Beam Forming, M0 to M9 2ss	3	6	-60.2	-55.9	-58.3		0.1	-46.9	-41.25	5.69
HE20 Beam Forming, M0 to M9 3ss	3	4	-60.2	-55.9	-58.3		0.1	-48.9	-41.25	7.69
HE20 Beam Forming, M0 to M9 1ss	4	10	-64.0	-59.9	-62.5	-62.5	0.1	-45.9	-41.25	4.62
HE20 Beam Forming, M0 to M9 2ss	4	7	-62.0	-56.9	-59.7	-59.9	0.1	-46.1	-41.25	4.90
HE20 Beam Forming, M0 to M9 3ss	4	5	-61.3	-56.3	-59.1	-59.3	0.1	-47.5	-41.25	6.29
HE20 Beam Forming, M0 to M9 4ss	4	4	-61.3	-56.3	-59.1	-59.3	0.1	-48.5	-41.25	7.29
HE20 STBC, M0 to M9 2ss	2	4	-60.2	-55.9			0.1	-50.5	-41.25	9.21

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	HE20 STBC, M0 to M9 2ss	3	4	-60.2	-55.9	-58.3		0.1	-48.9	-41.25	7.69
	HE20 STBC, M0 to M9 2ss	4	4	-62.0	-56.9	-59.7	-59.9	0.1	-49.1	-41.25	7.90
	Non HT40, 6 to 54 Mbps	1	4	-63.7				0.1	-59.6	-41.25	18.40
	Non HT40, 6 to 54 Mbps	2	4	-63.7	-58.7			0.1	-53.5	-41.25	12.21
	Non HT40, 6 to 54 Mbps	3	4	-63.7	-58.7	-60.8		0.1	-51.8	-41.25	10.54
	Non HT40, 6 to 54 Mbps	4	4	-63.7	-58.7	-60.8	-60.9	0.1	-50.6	-41.25	9.36
	HT/VHT40, M0 to M7	1	4	-63.7				0.1	-59.6	-41.25	18.40
	HT/VHT40, M0 to M7	2	4	-63.7	-58.8			0.1	-53.5	-41.25	12.28
	HT/VHT40, M8 to M15	2	4	-63.7	-58.8			0.1	-53.5	-41.25	12.28
	HT/VHT40, M0 to M7	3	4	-63.7	-58.8	-61.0		0.1	-51.9	-41.25	10.65
	HT/VHT40, M8 to M15	3	4	-63.7	-58.8	-61.0		0.1	-51.9	-41.25	10.65
	HT/VHT40, M16 to M23	3	4	-63.7	-58.8	-61.0		0.1	-51.9	-41.25	10.65
	HT/VHT40, M0 to M7	4	4	-63.7	-58.8	-61.0	-61.5	0.1	-50.8	-41.25	9.58
	HT/VHT40, M8 to M15	4	4	-63.7	-58.8	-61.0	-61.5	0.1	-50.8	-41.25	9.58
	HT/VHT40, M16 to M23	4	4	-63.7	-58.8	-61.0	-61.5	0.1	-50.8	-41.25	9.58
	HT/VHT40, M24 to M31	4	4	-63.7	-58.8	-61.0	-61.5	0.1	-50.8	-41.25	9.58
	HT/VHT40 Beam Forming, M0 to M7	2	7	-64.1	-59.2			0.1	-50.9	-41.25	9.68
	HT/VHT40 Beam Forming, M8 to M15	2	4	-63.7	-58.8			0.1	-53.5	-41.25	12.28
	HT/VHT40 Beam Forming, M0 to M7	3	9	-64.8	-61.0	-63.4		0.1	-49.0	-41.25	7.70
	HT/VHT40 Beam Forming, M8 to M15	3	6	-63.7	-58.8	-61.0		0.1	-49.9	-41.25	8.65
	HT/VHT40 Beam Forming, M16 to M23	3	4	-63.7	-58.8	-61.0		0.1	-51.9	-41.25	10.65
5310	HT/VHT40 Beam Forming, M0 to M7	4	10	-66.5	-61.4	-63.8	-63.7	0.1	-47.4	-41.25	6.16
Ω	HT/VHT40 Beam Forming, M8 to M15	4	7	-64.1	-59.2	-62.7	-62.6	0.1	-48.7	-41.25	7.42
	HT/VHT40 Beam Forming, M16 to M23	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HT/VHT40 Beam Forming, M24 to M31	4	4	-63.7	-58.8	-61.0	-61.5	0.1	-50.8	-41.25	9.58
	HT/VHT40 STBC, M0 to M7	2	4	-63.7	-58.8			0.1	-53.5	-41.25	12.28
	HT/VHT40 STBC, M0 to M7	3	4	-63.7	-58.8	-61.0		0.1	-51.9	-41.25	10.65
	HT/VHT40 STBC, M0 to M7	4	4	-63.7	-58.8	-61.0	-61.5	0.1	-50.8	-41.25	9.58
	HE40, M0 to M9 1ss	1	4	-63.8				0.1	-59.7	-41.25	18.48
	HE40, M0 to M9 1ss	2	4	-63.8	-58.7			0.1	-53.5	-41.25	12.21
	HE40, M0 to M9 2ss	2	4	-63.8	-58.7			0.1	-53.5	-41.25	12.21
	HE40, M0 to M9 1ss	3	4	-64.2	-59.3	-62.8		0.1	-52.8	-41.25	11.50
	HE40, M0 to M9 2ss	3	4	-64.2	-59.3	-62.8		0.1	-52.8	-41.25	11.50
	HE40, M0 to M9 3ss	3	4	-64.2	-59.3	-62.8		0.1	-52.8	-41.25	11.50
	HE40, M0 to M9 1ss	4	4	-64.2	-59.3	-62.8	-62.6	0.1	-51.7	-41.25	10.48
	HE40, M0 to M9 2ss	4	4	-64.2	-59.3	-62.8	-62.6	0.1	-51.7	-41.25	10.48
	HE40, M0 to M9 3ss	4	4	-64.2	-59.3	-62.8	-62.6	0.1	-51.7	-41.25	10.48
	HE40, M0 to M9 4ss	4	4	-64.2	-59.3	-62.8	-62.6	0.1	-51.7	-41.25	10.48
	HE40 Beam Forming, M0 to M9 1ss	2	7	-64.2	-59.3			0.1	-51.0	-41.25	9.76
	HE40 Beam Forming, M0 to M9 2ss	2	4	-63.8	-58.7			0.1	-53.5	-41.25	12.21
	HE40 Beam Forming, M0 to M9 1ss	3	9	-64.8	-60.8	-63.3		0.1	-48.8	-41.25	7.56

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	HE40 Beam Forming, M0 to M9 2ss	3	6	-64.2	-59.3	-62.8		0.1	-50.8	-41.25	9.50
	HE40 Beam Forming, M0 to M9 3ss	3	4	-64.2	-59.3	-62.8		0.1	-52.8	-41.25	11.50
	HE40 Beam Forming, M0 to M9 1ss	4	10	-66.6	-61.5	-63.9	-63.7	0.1	-47.5	-41.25	6.23
	HE40 Beam Forming, M0 to M9 2ss	4	7	-64.8	-60.8	-63.3	-63.0	0.1	-49.6	-41.25	8.39
	HE40 Beam Forming, M0 to M9 3ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
	HE40 Beam Forming, M0 to M9 4ss	4	4	-64.2	-59.3	-62.8	-62.6	0.1	-51.7	-41.25	10.48
	HE40 STBC, M0 to M9 2ss	2	4	-63.8	-58.7			0.1	-53.5	-41.25	12.21
	HE40 STBC, M0 to M9 2ss	3	4	-64.2	-59.3	-62.8		0.1	-52.8	-41.25	11.50
	HE40 STBC, M0 to M9 2ss	4	4	-64.2	-59.3	-62.8	-62.6	0.1	-51.7	-41.25	10.48
	Non HT20, 6 to 54 Mbps	1	4	-61.7				0.1	-57.6	-41.25	16.40
	Non HT20, 6 to 54 Mbps	2	4	-61.7	-57.6			0.1	-52.1	-41.25	10.87
	Non HT20, 6 to 54 Mbps	3	4	-63.1	-59.1	-60.5		0.1	-51.8	-41.25	10.53
	Non HT20, 6 to 54 Mbps	4	4	-64.5	-60.9	-62.8	-62.2	0.1	-52.3	-41.25	11.09
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	-62.7	-58.1			0.1	-49.8	-41.25	8.51
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	-63.1	-59.1	-60.5		0.1	-46.8	-41.25	5.53
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	-64.5	-60.9	-62.8	-62.2	0.1	-46.3	-41.25	5.09
	HT/VHT20, M0 to M7	1	4	-61.5				0.1	-57.4	-41.25	16.20
	HT/VHT20, M0 to M7	2	4	-61.5	-57.8			0.1	-52.2	-41.25	10.95
	HT/VHT20, M8 to M15	2	4	-61.5	-57.8			0.1	-52.2	-41.25	10.95
	HT/VHT20, M0 to M7	3	4	-63.4	-59.1	-60.6		0.1	-51.9	-41.25	10.62
	HT/VHT20, M8 to M15	3	4	-61.5	-57.8	-59.2		0.1	-50.4	-41.25	9.17
	HT/VHT20, M16 to M23	3	4	-61.5	-57.8	-59.2		0.1	-50.4	-41.25	9.17
	HT/VHT20, M0 to M7	4	4	-64.6	-61.2	-62.9	-62.3	0.1	-52.5	-41.25	11.26
	HT/VHT20, M8 to M15	4	4	-62.9	-58.3	-59.9	-60.0	0.1	-49.9	-41.25	8.66
0	HT/VHT20, M16 to M23	4	4	-62.9	-58.3	-59.9	-60.0	0.1	-49.9	-41.25	8.66
5320	HT/VHT20, M24 to M31	4	4	-62.9	-58.3	-59.9	-60.0	0.1	-49.9	-41.25	8.66
,	HT/VHT20 Beam Forming, M0 to M7	2	7	-63.4	-59.1	00.0	00.0	0.1	-50.7	-41.25	9.43
	HT/VHT20 Beam Forming, M8 to M15	2	4	-61.5	-57.8			0.1	-52.2	-41.25	10.95
	HT/VHT20 Beam Forming, M0 to M7	3	9	-63.4	-59.1	-60.6		0.1	-46.9	-41.25	5.62
	HT/VHT20 Beam Forming, M8 to M15	3	6	-62.9	-58.3	-59.9		0.1	-49.2	-41.25	7.90
	HT/VHT20 Beam Forming, M16 to M23	3	4	-61.5	-57.8	-59.2		0.1	-50.4	-41.25	9.17
	HT/VHT20 Beam Forming, M0 to M7	4	10	-64.6	-61.2	-62.9	-62.3	0.1	-46.5	-41.25	5.26
	HT/VHT20 Beam Forming, M8 to M15	4	7	-63.4	-59.1	-60.6	-60.6	0.1	-47.6	-41.25	6.35
	HT/VHT20 Beam Forming, M16 to M23	4	5	-62.9	-58.3	-59.9	-60.0	0.1	-48.9	-41.25	7.66
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	HT/VHT20 Beam Forming, M24 to M31	2	4	-62.9	-58.3	-59.9	-60.0	0.1	-49.9	-41.25	8.66
	HT/VHT20 STBC, M0 to M7		4	-61.5	-57.8	E0.2		0.1	-52.2	-41.25	10.95
	HT/VHT20 STBC, M0 to M7	3	4	-61.5	-57.8	-59.2	60.0	0.1	-50.4	-41.25	9.17
	HT/VHT20 STBC, M0 to M7	4	4	-62.9	-58.3	-59.9	-60.0	0.1	-49.9	-41.25	8.66
	HE20, M0 to M9 1ss	1	4	-62.7	F0.0			0.1	-58.6	-41.25	17.38
	HE20, M0 to M9 1ss	2	4	-62.7	-58.0			0.1	-52.7	-41.25	11.41
	HE20, M0 to M9 2ss	2	4	-62.7	-58.0			0.1	-52.7	-41.25	11.41

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	HE20, M0 to M9 1ss	3	4	-63.5	-58.9	-60.5		0.1	-51.7	-41.25	10.49
	HE20, M0 to M9 2ss	3	4	-62.7	-58.0	-59.7		0.1	-50.9	-41.25	9.64
	HE20, M0 to M9 3ss	3	4	-62.7	-58.0	-59.7		0.1	-50.9	-41.25	9.64
	HE20, M0 to M9 1ss	4	4	-64.4	-61.0	-62.8	-62.5	0.1	-52.4	-41.25	11.17
	HE20, M0 to M9 2ss	4	4	-63.5	-58.9	-60.5	-60.7	0.1	-50.5	-41.25	9.27
	HE20, M0 to M9 3ss	4	4	-63.5	-58.9	-60.5	-60.7	0.1	-50.5	-41.25	9.27
	HE20, M0 to M9 4ss	4	4	-63.5	-58.9	-60.5	-60.7	0.1	-50.5	-41.25	9.27
	HE20 Beam Forming, M0 to M9 1ss	2	7	-63.5	-58.9			0.1	-50.5	-41.25	9.29
	HE20 Beam Forming, M0 to M9 2ss	2	4	-62.7	-58.0			0.1	-52.7	-41.25	11.41
	HE20 Beam Forming, M0 to M9 1ss	3	9	-63.9	-60.5	-61.1		0.1	-47.8	-41.25	6.51
	HE20 Beam Forming, M0 to M9 2ss	3	6	-63.5	-58.9	-60.5		0.1	-49.7	-41.25	8.49
	HE20 Beam Forming, M0 to M9 3ss	3	4	-62.7	-58.0	-59.7		0.1	-50.9	-41.25	9.64
	HE20 Beam Forming, M0 to M9 1ss	4	10	-64.4	-61.0	-62.8	-62.5	0.1	-46.4	-41.25	5.17
	HE20 Beam Forming, M0 to M9 2ss	4	7	-63.9	-60.5	-61.1	-61.3	0.1	-48.4	-41.25	7.19
	HE20 Beam Forming, M0 to M9 3ss	4	5	-63.5	-58.9	-60.5	-60.7	0.1	-49.5	-41.25	8.27
	HE20 Beam Forming, M0 to M9 4ss	4	4	-63.5	-58.9	-60.5	-60.7	0.1	-50.5	-41.25	9.27
	HE20 STBC, M0 to M9 2ss	2	4	-62.7	-58.0			0.1	-52.7	-41.25	11.41
	HE20 STBC, M0 to M9 2ss	3	4	-62.7	-58.0	-59.7		0.1	-50.9	-41.25	9.64
	HE20 STBC, M0 to M9 2ss	4	4	-63.5	-58.9	-60.5	-60.7	0.1	-50.5	-41.25	9.27
			_		-				-		
	Non HT160, 6 to 54 Mbps	1	4	-61.9				0.1	-57.8	-41.25	16.60
	Non HT160, 6 to 54 Mbps	2	4	-61.9	-58.2			0.1	-52.6	-41.25	11.36
	Non HT160, 6 to 54 Mbps	3	4	-63.0	-58.7	-59.5		0.1	-51.2	-41.25	9.97
	Non HT160, 6 to 54 Mbps	4	4	-63.0	-58.7	-59.5	-59.6	0.1	-49.9	-41.25	8.60
	VHT160, M0 to M9 1ss	1	4	-62.7				0.1	-58.6	-41.25	17.40
	VHT160, M0 to M9 1ss	2	4	-62.7	-59.0			0.1	-53.4	-41.25	12.15
	VHT160, M0 to M9 2ss	2	4	-62.7	-59.0			0.1	-53.4	-41.25	12.15
	VHT160, M0 to M9 1ss	3	4	-63.6	-60.2	-61.2		0.1	-52.6	-41.25	11.37
	VHT160, M0 to M9 2ss	3	4	-63.6	-60.2	-61.2		0.1	-52.6	-41.25	11.37
	VHT160, M0 to M9 3ss	3	4	-63.6	-60.2	-61.2		0.1	-52.6	-41.25	11.37
00	VHT160, M0 to M9 1ss	4	4	-63.6	-60.2	-61.2	-60.9	0.1	-51.2	-41.25	9.98
5250	VHT160, M0 to M9 2ss	4	4	-63.6	-60.2	-61.2	-60.9	0.1	-51.2	-41.25	9.98
	VHT160, M0 to M9 3ss	4	4	-63.6	-60.2	-61.2	-60.9	0.1	-51.2	-41.25	9.98
	VHT160, M0 to M9 4ss	4	4	-63.6	-60.2	-61.2	-60.9	0.1	-51.2	-41.25	9.98
	VHT160 Beam Forming, M0 to M9 1ss	2	7	-63.6	-60.2			0.1	-51.5	-41.25	10.26
	VHT160 Beam Forming, M0 to M9 2ss	2	4	-62.7	-59.0			0.1	-53.4	-41.25	12.15
	VHT160 Beam Forming, M0 to M9 1ss	3	9	-64.8	-61.0	-62.2		0.1	-48.6	-41.25	7.32
	VHT160 Beam Forming, M0 to M9 2ss	3	6	-63.6	-60.2	-61.2		0.1	-50.6	-41.25	9.37
	VHT160 Beam Forming, M0 to M9 3ss	3	4	-63.6	-60.2	-61.2		0.1	-52.6	-41.25	11.37
	VHT160 Beam Forming, M0 to M9 1ss	4	10	-66.2	-61.8	-62.4	-62.5	0.1	-46.9	-41.25	5.60
	VHT160 Beam Forming, M0 to M9 2ss	4	7	-64.8	-61.0	-62.2	-61.9	0.1	-49.2	-41.25	7.94
	VHT160 Beam Forming, M0 to M9 3ss	4	5	-63.6	-60.2	-61.2	-60.9	0.1	-50.2	-41.25	8.98
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4	4	-63.6	-60.2	-61.2	-60.9	0.1	-51.2	-41.25	9.98
2	4	-62.7	-59.0			0.1	-53.4	-41.25	12.15
3	4	-63.6	-60.2	-61.2		0.1	-52.6	-41.25	11.37
4	4	-63.6	-60.2	-61.2	-60.9	0.1	-51.2	-41.25	9.98
1	4	-61.4				0.1	-57.3	-41.25	16.08
2	4	-61.4	-57.9			0.1	-52.2	-41.25	10.98
2	4	-61.4	-57.9			0.1	-52.2	-41.25	10.98
3	4	-61.4	-57.9	-59.0		0.1	-50.4	-41.25	9.11
3	4	-61.4	-57.9	-59.0		0.1	-50.4	-41.25	9.11
3	4	-61.4	-57.9	-59.0		0.1	-50.4	-41.25	9.11
4	4	-61.4	-57.9	-59.0	-58.3	0.1	-48.9	-41.25	7.62
4	4	-61.4	-57.9	-59.0	-58.3	0.1	-48.9	-41.25	7.62
4	4	-61.4	-57.9	-59.0	-58.3	0.1	-48.9	-41.25	7.62
4	4	-61.4	-57.9	-59.0	-58.3	0.1	-48.9	-41.25	7.62
2	7	-63.0	-58.8			0.1	-50.3	-41.25	9.08
2	4	-61.4	-57.9			0.1	-52.2	-41.25	10.98
3	9	-63.8	-60.0	-61.2		0.1	-47.6	-41.25	6.31
3	6	-63.0	-58.8	-59.4		0.1	-49.2	-41.25	7.96
3	4	-61.4	-57.9	-59.0		0.1	-50.4	-41.25	9.11
4	10	-64.4	-61.0	-62.1	-61.5	0.1	-46.0	-41.25	4.73
4	7	-63.8	-60.0	-61.2	-60.6	0.1	-48.1	-41.25	6.84
4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57
4	4	-61.4	-57.9	-59.0	-58.3	0.1	-48.9	-41.25	7.62
2	4	-61.4	-57.9			0.1	-52.2	-41.25	10.98
3	4	-61.4	-57.9	-59.0		0.1	-50.4	-41.25	9.11
4	4	-61.4	-57.9	-59.0	-58.3	0.1	-48.9	-41.25	7.62
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Conducted Spurs Average, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7



Antenna A



Antenna B



Antenna C



Antenna D



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Tx 3 Spur Power (dBm)	Tx 4 Spur Power (dBm)	Tx 5 Spur Power (dBm)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	4	-50.0				0.1	-45.9	-21.25	24.70
	Non HT20, 6 to 54 Mbps	2	4	-50.0	-46.4			0.1	-40.8	-21.25	19.53
	Non HT20, 6 to 54 Mbps	3	4	-52.4	-47.7	-50.0		0.1	-40.8	-21.25	19.55
	Non HT20, 6 to 54 Mbps	4	4	-52.3	-49.9	-53.0	-52.6	0.1	-41.7	-21.25	20.45
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	-50.0	-46.4			0.1	-37.8	-21.25	16.53
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	-52.4	-47.7	-50.0		0.1	-35.8	-21.25	14.55
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	-52.3	-49.9	-53.0	-52.6	0.1	-35.7	-21.25	14.45
	HT/VHT20, M0 to M7	1	4	-49.8				0.1	-45.7	-21.25	24.50
	HT/VHT20, M0 to M7	2	4	-49.8	-44.9			0.1	-39.6	-21.25	18.38
	HT/VHT20, M8 to M15	2	4	-49.8	-44.9			0.1	-39.6	-21.25	18.38
	HT/VHT20, M0 to M7	3	4	-52.9	-48.1	-50.0		0.1	-41.1	-21.25	19.84
	HT/VHT20, M8 to M15	3	4	-49.8	-44.9	-48.4		0.1	-38.4	-21.25	17.12
	HT/VHT20, M16 to M23	3	4	-49.8	-44.9	-48.4		0.1	-38.4	-21.25	17.12
	HT/VHT20, M0 to M7	4	4	-53.7	-50.1	-51.8	-51.5	0.1	-41.5	-21.25	20.27
	HT/VHT20, M8 to M15	4	4	-52.1	-47.3	-49.5	-49.1	0.1	-39.1	-21.25	17.86
09	HT/VHT20, M16 to M23	4	4	-50.8	-47.3	-49.0	-48.5	0.1	-38.7	-21.25	17.40
5260	HT/VHT20, M24 to M31	4	4	-50.8	-47.3	-49.0	-48.5	0.1	-38.7	-21.25	17.40
	HT/VHT20 Beam Forming, M0 to M7	2	7	-49.8	-44.9			0.1	-36.6	-21.25	15.38
	HT/VHT20 Beam Forming, M8 to M15	2	4	-49.8	-44.9			0.1	-39.6	-21.25	18.38
	HT/VHT20 Beam Forming, M0 to M7	3	9	-52.9	-48.1	-50.0		0.1	-36.1	-21.25	14.84
	HT/VHT20 Beam Forming, M8 to M15	3	6	-49.8	-44.9	-48.4		0.1	-36.4	-21.25	15.12
	HT/VHT20 Beam Forming, M16 to M23	3	4	-49.8	-44.9	-48.4		0.1	-38.4	-21.25	17.12
	HT/VHT20 Beam Forming, M0 to M7	4	10	-53.7	-50.1	-51.8	-51.5	0.1	-35.5	-21.25	14.27
	HT/VHT20 Beam Forming, M8 to M15	4	7	-52.1	-47.3	-49.5	-49.1	0.1	-36.1	-21.25	14.86
	HT/VHT20 Beam Forming, M16 to M23	4	5	-50.8	-47.3	-49.0	-48.5	0.1	-37.7	-21.25	16.40
	HT/VHT20 Beam Forming, M24 to M31	4	4	-50.8	-47.3	-49.0	-48.5	0.1	-38.7	-21.25	17.40
	HT/VHT20 STBC, M0 to M7	2	4	-49.8	-44.9			0.1	-39.6	-21.25	18.38
	HT/VHT20 STBC, M0 to M7	3	4	-49.8	-44.9	-48.4		0.1	-38.4	-21.25	17.12
	HT/VHT20 STBC, M0 to M7	4	4	-52.1	-47.3	-49.5	-49.1	0.1	-39.1	-21.25	17.86
	HE20, M0 to M9 1ss	1	4	-50.4				0.1	-46.3	-21.25	25.08
	HE20, M0 to M9 1ss	2	4	-50.4	-46.1			0.1	-40.7	-21.25	19.41
	HE20, M0 to M9 2ss	2	4	-50.4	-46.1			0.1	-40.7	-21.25	19.41

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	HE20, M0 to M9 1ss	3	4	-52.7	-48.1	-50.4		0.1	-41.2	-21.25	19.91
	HE20, M0 to M9 2ss	3	4	-50.4	-46.1	-47.8		0.1	-38.9	-21.25	17.67
	HE20, M0 to M9 3ss	3	4	-50.4	-46.1	-47.8		0.1	-38.9	-21.25	17.67
	HE20, M0 to M9 1ss	4	4	-53.5	-49.4	-51.9	-52.1	0.1	-41.4	-21.25	20.12
	HE20, M0 to M9 2ss	4	4	-51.7	-47.4	-49.0	-49.3	0.1	-39.0	-21.25	17.75
	HE20, M0 to M9 3ss	4	4	-50.8	-46.0	-48.2	-48.1	0.1	-37.9	-21.25	16.62
	HE20, M0 to M9 4ss	4	4	-50.8	-46.0	-48.2	-48.1	0.1	-37.9	-21.25	16.62
	HE20 Beam Forming, M0 to M9 1ss	2	7	-50.4	-46.1			0.1	-37.7	-21.25	16.41
	HE20 Beam Forming, M0 to M9 2ss	2	4	-50.4	-46.1			0.1	-40.7	-21.25	19.41
	HE20 Beam Forming, M0 to M9 1ss	3	9	-52.7	-48.1	-50.4		0.1	-36.2	-21.25	14.91
	HE20 Beam Forming, M0 to M9 2ss	3	6	-50.4	-46.1	-47.8		0.1	-36.9	-21.25	15.67
	HE20 Beam Forming, M0 to M9 3ss	3	4	-50.4	-46.1	-47.8		0.1	-38.9	-21.25	17.67
	HE20 Beam Forming, M0 to M9 1ss	4	10	-53.5	-49.4	-51.9	-52.1	0.1	-35.4	-21.25	14.12
	HE20 Beam Forming, M0 to M9 2ss	4	7	-51.7	-47.4	-49.0	-49.3	0.1	-36.0	-21.25	14.75
	HE20 Beam Forming, M0 to M9 3ss	4	5	-50.8	-46.0	-48.2	-48.1	0.1	-36.9	-21.25	15.62
	HE20 Beam Forming, M0 to M9 4ss	4	4	-50.8	-46.0	-48.2	-48.1	0.1	-37.9	-21.25	16.62
	HE20 STBC, M0 to M9 2ss	2	4	-50.4	-46.1			0.1	-40.7	-21.25	19.41
	HE20 STBC, M0 to M9 2ss	3	4	-50.4	-46.1	-47.8		0.1	-38.9	-21.25	17.67
	HE20 STBC, M0 to M9 2ss	4	4	-51.7	-47.4	-49.0	-49.3	0.1	-39.0	-21.25	17.75
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	Non HT40, 6 to 54 Mbps	1	4	-50.4				0.0	-46.4	-21.25	25.11
	Non HT40, 6 to 54 Mbps	2	4	-50.4	-45.5			0.0	-40.2	-21.25	18.99
	Non HT40, 6 to 54 Mbps	3	4	-49.7	-46.4	-48.7		0.0	-39.2	-21.25	17.97
	Non HT40, 6 to 54 Mbps	4	4	-52.4	-47.2	-48.7	-49.3	0.0	-39.0	-21.25	17.71
	HT/VHT40, M0 to M7	1	4	-50.6				0.1	-46.5	-21.25	25.25
	HT/VHT40, M0 to M7	2	4	-50.6	-46.0			0.1	-40.6	-21.25	19.35
	HT/VHT40, M8 to M15	2	4	-50.6	-46.0			0.1	-40.6	-21.25	19.35
	HT/VHT40, M0 to M7	3	4	-50.6	-46.0	-48.1		0.1	-39.0	-21.25	17.72
	HT/VHT40, M8 to M15	3	4	-50.6	-46.0	-48.1		0.1	-39.0	-21.25	17.72
	HT/VHT40, M16 to M23	3	4	-50.6	-46.0	-48.1		0.1	-39.0	-21.25	17.72
2	HT/VHT40, M0 to M7	4	4	-52.2	-47.0	-49.5	-48.7	0.1	-38.8	-21.25	17.60
5270	HT/VHT40, M8 to M15	4	4	-50.6	-46.0	-48.1	-48.0	0.1	-37.8	-21.25	16.51
	HT/VHT40, M16 to M23	4	4	-50.6	-46.0	-48.1	-48.0	0.1	-37.8	-21.25	16.51
	HT/VHT40, M24 to M31	4	4	-50.6	-46.0	-48.1	-48.0	0.1	-37.8	-21.25	16.51
	HT/VHT40 Beam Forming, M0 to M7	2	7	-50.6	-46.0			0.1	-37.6	-21.25	16.35
	HT/VHT40 Beam Forming, M8 to M15	2	4	-50.6	-46.0			0.1	-40.6	-21.25	19.35
	HT/VHT40 Beam Forming, M0 to M7	3	9	-50.4	-46.1	-48.4		0.1	-34.1	-21.25	12.82
	HT/VHT40 Beam Forming, M8 to M15	3	6	-50.6	-46.0	-48.1		0.1	-37.0	-21.25	15.72
	HT/VHT40 Beam Forming, M16 to M23	3	4	-50.6	-46.0	-48.1		0.1	-39.0	-21.25	17.72
	HT/VHT40 Beam Forming, M0 to M7	4	10	-52.4	-48.1	-50.2	-49.1	0.1	-33.6	-21.25	12.30
	HT/VHT40 Beam Forming, M8 to M15	4	7	-50.6	-46.0	-48.1	-48.0	0.1	-34.8	-21.25	13.51
	HT/VHT40 Beam Forming, M16 to M23	4	5	-50.6	-46.0	-48.1	-48.0	0.1	-36.8	-21.25	15.51

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	HT/VHT40 Beam Forming, M24 to M31	4	4	-50.6	-46.0	-48.1	-48.0	0.1	-37.8	-21.25	16.51
	HT/VHT40 STBC, M0 to M7	2	4	-50.6	-46.0			0.1	-40.6	-21.25	19.35
	HT/VHT40 STBC, M0 to M7	3	4	-50.6	-46.0	-48.1		0.1	-39.0	-21.25	17.72
	HT/VHT40 STBC, M0 to M7	4	4	-50.6	-46.0	-48.1	-48.0	0.1	-37.8	-21.25	16.51
	HE40, M0 to M9 1ss	1	4	-50.6				0.1	-46.5	-21.25	25.22
	HE40, M0 to M9 1ss	2	4	-50.6	-45.9			0.1	-40.5	-21.25	19.26
	HE40, M0 to M9 2ss	2	4	-50.6	-45.9			0.1	-40.5	-21.25	19.26
	HE40, M0 to M9 1ss	3	4	-50.6	-45.9	-47.7		0.1	-38.8	-21.25	17.52
	HE40, M0 to M9 2ss	3	4	-50.6	-45.9	-47.7		0.1	-38.8	-21.25	17.52
	HE40, M0 to M9 3ss	3	4	-50.6	-45.9	-47.7		0.1	-38.8	-21.25	17.52
	HE40, M0 to M9 1ss	4	4	-51.9	-47.2	-49.3	-49.5	0.1	-39.0	-21.25	17.77
	HE40, M0 to M9 2ss	4	4	-50.6	-45.9	-47.7	-48.0	0.1	-37.6	-21.25	16.35
	HE40, M0 to M9 3ss	4	4	-50.6	-45.9	-47.7	-48.0	0.1	-37.6	-21.25	16.35
	HE40, M0 to M9 4ss	4	4	-50.6	-45.9	-47.7	-48.0	0.1	-37.6	-21.25	16.35
	HE40 Beam Forming, M0 to M9 1ss	2	7	-50.6	-45.9			0.1	-37.5	-21.25	16.26
	HE40 Beam Forming, M0 to M9 2ss	2	4	-50.6	-45.9			0.1	-40.5	-21.25	19.26
	HE40 Beam Forming, M0 to M9 1ss	3	9	-51.9	-47.2	-49.3		0.1	-35.2	-21.25	13.91
	HE40 Beam Forming, M0 to M9 2ss	3	6	-50.6	-45.9	-47.7		0.1	-36.8	-21.25	15.52
	HE40 Beam Forming, M0 to M9 3ss	3	4	-50.6	-45.9	-47.7		0.1	-38.8	-21.25	17.52
	HE40 Beam Forming, M0 to M9 1ss	4	10	-53.5	-47.9	-50.2	-50.3	0.1	-33.9	-21.25	12.65
	HE40 Beam Forming, M0 to M9 2ss	4	7	-50.6	-45.5	-48.5	-49.3	0.1	-34.9	-21.25	13.65
	HE40 Beam Forming, M0 to M9 3ss	4	5	-50.6	-45.9	-47.7	-48.0	0.1	-36.6	-21.25	15.35
	HE40 Beam Forming, M0 to M9 4ss	4	4	-50.6	-45.9	-47.7	-48.0	0.1	-37.6	-21.25	16.35
	HE40 STBC, M0 to M9 2ss	2	4	-50.6	-45.9			0.1	-40.5	-21.25	19.26
	HE40 STBC, M0 to M9 2ss	3	4	-50.6	-45.9	-47.7		0.1	-38.8	-21.25	17.52
	HE40 STBC, M0 to M9 2ss	4	4	-50.6	-45.9	-47.7	-48.0	0.1	-37.6	-21.25	16.35
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	Non HT80, 6 to 54 Mbps	1	4	-52.5				0.1	-48.4	-21.25	27.20
	Non HT80, 6 to 54 Mbps	2	4	-54.0	-49.2			0.1	-43.9	-21.25	22.66
	Non HT80, 6 to 54 Mbps	3	4	-54.0	-49.2	-50.6		0.1	-42.0	-21.25	20.77
	Non HT80, 6 to 54 Mbps	4	4	-54.0	-49.2	-50.6	-51.2	0.1	-40.9	-21.25	19.61
	VHT80, M0 to M9 1ss	1	4	-52.9				0.2	-48.7	-21.25	27.43
	VHT80, M0 to M9 1ss	2	4	-52.9	-49.2			0.2	-43.4	-21.25	22.19
	VHT80, M0 to M9 2ss	2	4	-52.9	-49.2			0.2	-43.4	-21.25	22.19
5290	VHT80, M0 to M9 1ss	3	4	-52.9	-49.2	-50.1		0.2	-41.5	-21.25	20.23
ιΩ	VHT80, M0 to M9 2ss	3	4	-52.9	-49.2	-50.1		0.2	-41.5	-21.25	20.23
	VHT80, M0 to M9 3ss	3	4	-52.9	-49.2	-50.1		0.2	-41.5	-21.25	20.23
	VHT80, M0 to M9 1ss	4	4	-54.3	-50.2	-50.2	-51.7	0.2	-41.1	-21.25	19.82
	VHT80, M0 to M9 2ss	4	4	-54.3	-50.2	-50.2	-51.7	0.2	-41.1	-21.25	19.82
	VHT80, M0 to M9 3ss	4	4	-54.3	-50.2	-50.2	-51.7	0.2	-41.1	-21.25	19.82
	VHT80, M0 to M9 4ss	4	4	-54.3	-50.2	-50.2	-51.7	0.2	-41.1	-21.25	19.82
	VHT80 Beam Forming, M0 to M9 1ss	2	7	-54.3	-50.2			0.2	-41.6	-21.25	20.31

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VHT80 Beam Forming, M0 to M9 2ss 2 4 -52.9 -49.2	0.2	-43.4	24.25	
V/LT00 Poom Forming M0 to M0 400		-43.4	-21.25	22.19
VHT80 Beam Forming, M0 to M9 1ss 3 9 -54.6 -51.4 -52.8	0.2	-38.8	-21.25	17.50
VHT80 Beam Forming, M0 to M9 2ss 3 6 -54.3 -50.2 -50.2	0.2	-40.2	-21.25	18.95
VHT80 Beam Forming, M0 to M9 3ss 3 4 -52.9 -49.2 -50.1	0.2	-41.5	-21.25	20.23
VHT80 Beam Forming, M0 to M9 1ss 4 10 -56.1 -51.5 -52.6 -53.0	0.2	-36.8	-21.25	15.51
VHT80 Beam Forming, M0 to M9 2ss 4 7 -54.6 -51.4 -52.8 -51.7	0.2	-39.2	-21.25	17.97
VHT80 Beam Forming, M0 to M9 3ss 4 5 -54.3 -50.2 -50.2 -51.7	0.2	-40.1	-21.25	18.82
VHT80 Beam Forming, M0 to M9 4ss 4 4 -54.3 -50.2 -50.2 -51.7	0.2	-41.1	-21.25	19.82
VHT80 STBC, M0 to M9 1ss 2 4 -52.9 -49.2	0.2	-43.4	-21.25	22.19
VHT80 STBC, M0 to M9 1ss 3 4 -52.9 -49.2 -50.1	0.2	-41.5	-21.25	20.23
VHT80 STBC, M0 to M9 1ss 4 4 -54.3 -50.2 -50.2 -51.7	0.2	-41.1	-21.25	19.82
HE80, M0 to M9 1ss 1 4 -53.4	0.3	-49.1	-21.25	27.90
HE80, M0 to M9 1ss 2 4 -53.4 -48.8	0.3	-43.3	-21.25	22.01
HE80, M0 to M9 2ss 2 4 -53.4 -48.8	0.3	-43.3	-21.25	22.01
HE80, M0 to M9 1ss 3 4 -53.7 -50.1 -50.7	0.3	-42.2	-21.25	20.97
HE80, M0 to M9 2ss 3 4 -53.7 -50.1 -50.7	0.3	-42.2	-21.25	20.97
HE80, M0 to M9 3ss 3 4 -53.7 -50.1 -50.7	0.3	-42.2	-21.25	20.97
HE80, M0 to M9 1ss 4 4 -53.7 -50.1 -50.7 -51.1	0.3	-40.9	-21.25	19.68
HE80, M0 to M9 2ss 4 4 -53.7 -50.1 -50.7 -51.1	0.3	-40.9	-21.25	19.68
HE80, M0 to M9 3ss 4 4 -53.7 -50.1 -50.7 -51.1	0.3	-40.9	-21.25	19.68
HE80, M0 to M9 4ss 4 4 -53.7 -50.1 -50.7 -51.1	0.3	-40.9	-21.25	19.68
HE80 Beam Forming, M0 to M9 1ss 2 7 -53.7 -50.1	0.3	-41.3	-21.25	20.03
HE80 Beam Forming, M0 to M9 2ss 2 4 -53.4 -48.8	0.3	-43.3	-21.25	22.01
HE80 Beam Forming, M0 to M9 1ss 3 9 -56.9 -51.4 -53.0	0.3	-39.2	-21.25	17.95
HE80 Beam Forming, M0 to M9 2ss 3 6 -53.7 -50.1 -50.7	0.3	-40.2	-21.25	18.97
HE80 Beam Forming, M0 to M9 3ss 3 4 -53.7 -50.1 -50.7	0.3	-42.2	-21.25	20.97
HE80 Beam Forming, M0 to M9 1ss 4 10 -56.3 -52.4 -53.0 -52.6	0.3	-37.1	-21.25	15.80
HE80 Beam Forming, M0 to M9 2ss 4 7 -54.8 -51.4 -52.3 -53.0	0.3	-39.4	-21.25	18.18
HE80 Beam Forming, M0 to M9 3ss 4 5 -53.7 -50.1 -50.7 -51.1	0.3	-39.9	-21.25	18.68
HE80 Beam Forming, M0 to M9 4ss 4 4 -53.7 -50.1 -50.7 -51.1	0.3	-40.9	-21.25	19.68
HE80 STBC, M0 to M9 1ss 2 4 -53.4 -48.8	0.3	-43.3	-21.25	22.01
HE80 STBC, M0 to M9 1ss 3 4 -53.7 -50.1 -50.7	0.3	-42.2	-21.25	20.97
HE80 STBC, M0 to M9 1ss 4 4 -53.7 -50.1 -50.7 -51.1	0.3	-40.9	-21.25	19.68
			_	
Non HT20, 6 to 54 Mbps 1 4 -49.6	0.1	-45.5	-21.25	24.30
Non HT20, 6 to 54 Mbps 2 4 -49.6 -44.6	0.1	-39.4	-21.25	18.11
Non HT20, 6 to 54 Mbps 3 4 -51.8 -47.9 -50.3	0.1	-40.9	-21.25	19.63
Non HT20, 6 to 54 Mbps 4 4 -53.1 -48.6 -51.8 -51.9 Non HT20 Beam Forming, 6 to 54 Mbps 2 7 -49.6 -44.6	0.1	-40.9	-21.25	19.68
Non HT20 Beam Forming, 6 to 54 Mbps 2 7 -49.6 -44.6	0.1	-36.4	-21.25	15.11
Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -51.8 -47.9 -50.3	0.1	-35.9	-21.25	14.63
Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -53.1 -48.6 -51.8 -51.9	0.1	-34.9	-21.25	13.68
HT/VHT20, M0 to M7 1 4 -50.2	0.1	-46.1	-21.25	24.90

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HT/VHT20, M0 to M7	2	4	-50.2	-44.5			0.1	-39.4	-21.25	18.16
HT/VHT20, M8 to M15	2	4	-50.2	-44.5			0.1	-39.4	-21.25	18.16
HT/VHT20, M0 to M7	3	4	-52.9	-46.8	-50.1		0.1	-40.4	-21.25	19.16
HT/VHT20, M8 to M15	3	4	-50.2	-44.5	-47.0		0.1	-37.8	-21.25	16.57
HT/VHT20, M16 to M23	3	4	-50.2	-44.5	-47.0		0.1	-37.8	-21.25	16.57
HT/VHT20, M0 to M7	4	4	-53.9	-49.6	-52.3	-52.4	0.1	-41.7	-21.25	20.44
HT/VHT20, M8 to M15	4	4	-51.3	-46.7	-49.8	-49.1	0.1	-38.8	-21.25	17.57
HT/VHT20, M16 to M23	4	4	-51.0	-44.9	-48.1	-48.8	0.1	-37.6	-21.25	16.31
HT/VHT20, M24 to M31	4	4	-51.0	-44.9	-48.1	-48.8	0.1	-37.6	-21.25	16.31
HT/VHT20 Beam Forming, M0 to M7	2	7	-50.2	-44.5			0.1	-36.4	-21.25	15.16
HT/VHT20 Beam Forming, M8 to M15	2	4	-50.2	-44.5			0.1	-39.4	-21.25	18.16
HT/VHT20 Beam Forming, M0 to M7	3	9	-52.9	-46.8	-50.1		0.1	-35.4	-21.25	14.16
HT/VHT20 Beam Forming, M8 to M15	3	6	-50.2	-44.5	-47.0		0.1	-35.8	-21.25	14.57
HT/VHT20 Beam Forming, M16 to M23	3	4	-50.2	-44.5	-47.0		0.1	-37.8	-21.25	16.57
HT/VHT20 Beam Forming, M0 to M7	4	10	-53.9	-49.6	-52.3	-52.4	0.1	-35.7	-21.25	14.44
HT/VHT20 Beam Forming, M8 to M15	4	7	-51.3	-46.7	-49.8	-49.1	0.1	-35.8	-21.25	14.57
HT/VHT20 Beam Forming, M16 to M23	4	5	-51.0	-44.9	-48.1	-48.8	0.1	-36.6	-21.25	15.31
HT/VHT20 Beam Forming, M24 to M31	4	4	-51.0	-44.9	-48.1	-48.8	0.1	-37.6	-21.25	16.31
HT/VHT20 STBC, M0 to M7	2	4	-50.2	-44.5			0.1	-39.4	-21.25	18.16
HT/VHT20 STBC, M0 to M7	3	4	-50.2	-44.5	-47.0		0.1	-37.8	-21.25	16.57
HT/VHT20 STBC, M0 to M7	4	4	-51.3	-46.7	-49.8	-49.1	0.1	-38.8	-21.25	17.57
HE20, M0 to M9 1ss	1	4	-49.8				0.1	-45.7	-21.25	24.48
HE20, M0 to M9 1ss	2	4	-49.8	-43.7			0.1	-38.7	-21.25	17.43
HE20, M0 to M9 2ss	2	4	-49.8	-43.7			0.1	-38.7	-21.25	17.43
HE20, M0 to M9 1ss	3	4	-52.6	-48.0	-48.9		0.1	-40.6	-21.25	19.34
HE20, M0 to M9 2ss	3	4	-49.8	-43.7	-47.6		0.1	-37.4	-21.25	16.20
HE20, M0 to M9 3ss	3	4	-49.8	-43.7	-47.6		0.1	-37.4	-21.25	16.20
HE20, M0 to M9 1ss	4	4	-53.7	-48.8	-51.2	-51.4	0.1	-40.8	-21.25	19.59
HE20, M0 to M9 2ss	4	4	-51.6	-46.8	-48.9	-49.2	0.1	-38.7	-21.25	17.46
HE20, M0 to M9 3ss	4	4	-49.7	-46.0	-48.4	-48.8	0.1	-37.9	-21.25	16.66
HE20, M0 to M9 4ss	4	4	-49.7	-46.0	-48.4	-48.8	0.1	-37.9	-21.25	16.66
HE20 Beam Forming, M0 to M9 1ss	2	7	-49.8	-43.7			0.1	-35.7	-21.25	14.43
HE20 Beam Forming, M0 to M9 2ss	2	4	-49.8	-43.7			0.1	-38.7	-21.25	17.43
HE20 Beam Forming, M0 to M9 1ss	3	9	-52.6	-48.0	-48.9		0.1	-35.6	-21.25	14.34
HE20 Beam Forming, M0 to M9 2ss	3	6	-49.8	-43.7	-47.6		0.1	-35.4	-21.25	14.20
HE20 Beam Forming, M0 to M9 3ss	3	4	-49.8	-43.7	-47.6		0.1	-37.4	-21.25	16.20
HE20 Beam Forming, M0 to M9 1ss	4	10	-53.7	-48.8	-51.2	-51.4	0.1	-34.8	-21.25	13.59
HE20 Beam Forming, M0 to M9 2ss	4	7	-51.6	-46.8	-48.9	-49.2	0.1	-35.7	-21.25	14.46
HE20 Beam Forming, M0 to M9 3ss	4	5	-49.7	-46.0	-48.4	-48.8	0.1	-36.9	-21.25	15.66
HE20 Beam Forming, M0 to M9 4ss	4	4	-49.7	-46.0	-48.4	-48.8	0.1	-37.9	-21.25	16.66
HE20 STBC, M0 to M9 2ss	2	4	-49.8	-43.7			0.1	-38.7	-21.25	17.43
HE20 STBC, M0 to M9 2ss	3	4	-49.8	-43.7	-47.6		0.1	-37.4	-21.25	16.20

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	HE20 STBC, M0 to M9 2ss	4	4	-51.6	-46.8	-48.9	-49.2	0.1	-38.7	-21.25	17.46
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	Non HT40, 6 to 54 Mbps	1	4	-52.0				0.1	-47.9	-21.25	26.70
	Non HT40, 6 to 54 Mbps	2	4	-52.0	-48.7			0.1	-43.0	-21.25	21.73
	Non HT40, 6 to 54 Mbps	3	4	-52.0	-48.7	-50.5		0.1	-41.4	-21.25	20.12
	Non HT40, 6 to 54 Mbps	4	4	-52.0	-48.7	-50.5	-50.9	0.1	-40.3	-21.25	19.04
	HT/VHT40, M0 to M7	1	4	-53.4				0.1	-49.3	-21.25	28.10
	HT/VHT40, M0 to M7	2	4	-53.4	-48.1			0.1	-42.9	-21.25	21.67
	HT/VHT40, M8 to M15	2	4	-53.4	-48.1			0.1	-42.9	-21.25	21.67
	HT/VHT40, M0 to M7	3	4	-53.4	-48.1	-50.9		0.1	-41.4	-21.25	20.20
	HT/VHT40, M8 to M15	3	4	-53.4	-48.1	-50.9		0.1	-41.4	-21.25	20.20
	HT/VHT40, M16 to M23	3	4	-53.4	-48.1	-50.9		0.1	-41.4	-21.25	20.20
	HT/VHT40, M0 to M7	4	4	-53.4	-48.1	-50.9	-50.7	0.1	-40.3	-21.25	19.05
	HT/VHT40, M8 to M15	4	4	-53.4	-48.1	-50.9	-50.7	0.1	-40.3	-21.25	19.05
	HT/VHT40, M16 to M23	4	4	-53.4	-48.1	-50.9	-50.7	0.1	-40.3	-21.25	19.05
	HT/VHT40, M24 to M31	4	4	-53.4	-48.1	-50.9	-50.7	0.1	-40.3	-21.25	19.05
	HT/VHT40 Beam Forming, M0 to M7	2	7	-53.4	-49.4			0.1	-40.9	-21.25	19.64
	HT/VHT40 Beam Forming, M8 to M15	2	4	-53.4	-48.1			0.1	-42.9	-21.25	21.67
	HT/VHT40 Beam Forming, M0 to M7	3	9	-53.9	-49.5	-53.1		0.1	-37.9	-21.25	16.65
	HT/VHT40 Beam Forming, M8 to M15	3	6	-53.4	-48.1	-50.9		0.1	-39.4	-21.25	18.20
	HT/VHT40 Beam Forming, M16 to M23	3	4	-53.4	-48.1	-50.9		0.1	-41.4	-21.25	20.20
5310	HT/VHT40 Beam Forming, M0 to M7	4	10	-56.0	-50.8	-53.2	-52.2	0.1	-36.6	-21.25	15.34
53	HT/VHT40 Beam Forming, M8 to M15	4	7	-53.4	-49.4	-51.6	-51.7	0.1	-38.2	-21.25	16.97
	HT/VHT40 Beam Forming, M16 to M23	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HT/VHT40 Beam Forming, M24 to M31	4	4	-53.4	-48.1	-50.9	-50.7	0.1	-40.3	-21.25	19.05
	HT/VHT40 STBC, M0 to M7	2	4	-53.4	-48.1			0.1	-42.9	-21.25	21.67
	HT/VHT40 STBC, M0 to M7	3	4	-53.4	-48.1	-50.9		0.1	-41.4	-21.25	20.20
	HT/VHT40 STBC, M0 to M7	4	4	-53.4	-48.1	-50.9	-50.7	0.1	-40.3	-21.25	19.05
	HE40, M0 to M9 1ss	1	4	-53.3				0.1	-49.2	-21.25	27.98
	HE40, M0 to M9 1ss	2	4	-53.3	-48.1			0.1	-42.9	-21.25	21.64
	HE40, M0 to M9 2ss	2	4	-53.3	-48.1			0.1	-42.9	-21.25	21.64
	HE40, M0 to M9 1ss	3	4	-53.8	-49.0	-51.8		0.1	-42.2	-21.25	21.00
	HE40, M0 to M9 2ss	3	4	-53.8	-49.0	-51.8		0.1	-42.2	-21.25	21.00
	HE40, M0 to M9 3ss	3	4	-53.8	-49.0	-51.8		0.1	-42.2	-21.25	21.00
	HE40, M0 to M9 1ss	4	4	-53.8	-49.0	-51.8	-50.9	0.1	-40.9	-21.25	19.70
	HE40, M0 to M9 2ss	4	4	-53.8	-49.0	-51.8	-50.9	0.1	-40.9	-21.25	19.70
	HE40, M0 to M9 3ss	4	4	-53.8	-49.0	-51.8	-50.9	0.1	-40.9	-21.25	19.70
	HE40, M0 to M9 4ss	4	4	-53.8	-49.0	-51.8	-50.9	0.1	-40.9	-21.25	19.70
	HE40 Beam Forming, M0 to M9 1ss	2	7	-53.8	-49.0			0.1	-40.7	-21.25	19.44
	HE40 Beam Forming, M0 to M9 2ss	2	4	-53.3	-48.1			0.1	-42.9	-21.25	21.64
	HE40 Beam Forming, M0 to M9 1ss	3	9	-54.3	-50.3	-52.5		0.1	-38.2	-21.25	16.97
	HE40 Beam Forming, M0 to M9 2ss	3	6	-53.8	-49.0	-51.8		0.1	-40.2	-21.25	19.00

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HE40 Beam Forming, M0 to M9 2ss	-51.7 053.0 050.9 050.9 050.9 0. -50.9 0. 052.1 052.1 0. 052.1 0. 0. 052.1 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.1	-21.25 -21.25	21.00 15.32 17.94 18.70 19.70 21.64 21.00 19.70 25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44 20.64
HE40 Beam Forming, M0 to M9 2ss	-53.0 050.9 050.9 0. 050.9 0. 050.9 0. 052.1 0. 052.1 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	0.1 -39.2 0.1 -39.9 0.1 -40.9 0.1 -42.9 0.1 -42.2 0.1 -40.9 0.1 -47.0 0.1 -41.5 0.1 -41.5 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7 0.1 -41.9	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	17.94 18.70 19.70 21.64 21.00 19.70 25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
HE40 Beam Forming, M0 to M9 3ss	-50.9 050.9 050.9 050.9 0. 050.9 0. 052.1 052.1 0. 052.1 0. 052.1 0.	0.1 -39.9 0.1 -40.9 0.1 -42.9 0.1 -42.2 0.1 -40.9 0.1 -47.0 0.1 -47.0 0.1 -41.5 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7 0.1 -41.9	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	18.70 19.70 21.64 21.00 19.70 25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
HE40 Beam Forming, M0 to M9 4ss	-50.9 0. 050.9 050.9 0. 052.1 0. 052.1 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.1 -40.9 0.1 -42.9 0.1 -42.2 0.1 -40.9 0.1 -47.0 0.1 -42.0 0.1 -41.5 0.1 -41.5 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	21.64 21.00 19.70 25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
HE40 STBC, M0 to M9 2ss	050.9 050.9 0. 052.1 052.1 0. 052.1 0. 0. 0. 0. 0.	0.1 -42.9 0.1 -42.2 0.1 -40.9 0.1 -47.0 0.1 -42.0 0.1 -41.5 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	21.64 21.00 19.70 25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
HE40 STBC, M0 to M9 2ss	050.9 0. 0. 052.1 052.1 052.1 0. 052.1 0. 0. 0. 0.	0.1 -42.2 0.1 -40.9 0.1 -47.0 0.1 -42.0 0.1 -41.5 0.1 -41.9 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	21.00 19.70 25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20, 6 to 54 Mbps	-50.9 0. 0. 052.1 052.1 0. 052.1 0. 0. 0. 0. 0.	0.1 -40.9 0.1 -47.0 0.1 -42.0 0.1 -41.5 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20, 6 to 54 Mbps	0. 052.1 052.1 0. 052.1 0. 0. 0. 0.	0.1 -47.0 0.1 -42.0 0.1 -41.5 0.1 -41.9 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	25.80 20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, M0 to M7 Non HT20 Beam Forming, M0 to M7 Non HT20, M0 to M15 Non HT20, M16 to M20 Non HT20, M16 to	052.1 0. 052.1 0. 052.1 0. 0. 0. 0.	0.1 -42.0 0.1 -41.5 0.1 -41.9 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, M0 to M7 Non HT20 Beam Forming, M0 to M7 Non HT20, M0 to M15 Non HT20, M16 to M20 Non HT20, M16 to	052.1 0. 052.1 0. 052.1 0. 0. 0. 0.	0.1 -42.0 0.1 -41.5 0.1 -41.9 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	20.76 20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20, 6 to 54 Mbps Non HT20, 6 to 54 Mbps Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, 8 to 54 Mbps Non HT20 Beam Forming, M0 to M7 Non HT20 Beam Forming, M0 to M7 Non HT20 Beam Forming, M0 to M7 Non HT20 Ream Forming, M8 to M15 Non HT20, W24 to M31	-52.1 0. 052.1 052.1 0. 052.1 0. 0. 0.	0.1 -41.5 0.1 -41.9 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	20.27 20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps Non HT20, M0 to M7 Non HT20, M0 to M15 Non HT20, M16 to M23 Non HT20, M16 to M24 Non HT20, M16 to M25 Non HT20, M16 to M24 Non HT20, M16 to M24 Non HT20, M16 to M24	-52.1 0. 052.1 0. 052.1 0. 0. 0. 0.	0.1 -41.9 0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.9	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25 -21.25	20.63 17.71 15.27 14.63 25.90 20.44 20.44
Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -52.9 -48.4 -50.9 Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -54.1 -50.0 -52.6 HT/VHT20, M0 to M7 1 4 -51.2 -47.2 HT/VHT20, M8 to M15 2 4 -51.2 -47.2 HT/VHT20, M8 to M15 3 4 -51.2 -47.2 -49.1 HT/VHT20, M16 to M23 3 4 -51.2 -47.2 -49.1 HT/VHT20, M0 to M7 4 4 -54.1 -51.2 -47.2 -49.1 HT/VHT20, M8 to M15 4 4 -54.1 -51.2 -47.2 -49.1 HT/VHT20, M16 to M23 3 4 -51.2 -47.2 -49.1 HT/VHT20, M8 to M15 4 4 -54.1 -51.2 -52.4 HT/VHT20, M8 to M15 4 4 -51.4 -48.2 -49.8 HT/VHT20, M16 to M23 4 4 -51.4 -48.2 -49.8 HT/VHT20, M16 to M23 4 4 -51.4 -48.2 -49.8 HT/VHT20, M24 to M31 4 4 -51.4 -48.2 -49.8 HT/VHT20 Beam Forming, M0 to M7 2 7 -53.0 -49.1 HT/VHT20 Beam Forming, M8 to M15 2 4 -51.2 -47.2 HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8 HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8	0. 052.1 0. 0. 0. 0. 0.	0.1 -39.0 0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.9	-21.25 -21.25 -21.25 -21.25 -21.25 -21.25	17.71 15.27 14.63 25.90 20.44 20.44
Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -52.9 -48.4 -50.9 Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -54.1 -50.0 -52.6 HT/VHT20, M0 to M7 1 4 -51.2 -47.2 HT/VHT20, M0 to M7 2 4 -51.2 -47.2 HT/VHT20, M8 to M15 2 4 -51.2 -47.2 HT/VHT20, M8 to M15 3 4 -53.0 -49.1 -50.9 HT/VHT20, M16 to M23 3 4 -51.2 -47.2 -49.1 HT/VHT20, M0 to M7 4 4 -54.1 -51.2 -52.4 HT/VHT20, M8 to M15 4 4 -51.4 -48.2 -49.8 HT/VHT20, M16 to M23 4 4 -51.4 -48.2 -49.8 HT/VHT20, M16 to M23 4 4 -51.4 -48.2 -49.8 HT/VHT20, M24 to M31 4 4 -51.4 -48.2 -49.8 HT/VHT20 Beam Forming, M0 to M7 2 7 -53.0 -49.1 HT/VHT20 Beam Forming, M8 to M15 2 4 -51.2 -47.2 HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8	052.1 0. 0. 0. 0. 0.	0.1 -36.5 0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7 0.1 -41.9	-21.25 -21.25 -21.25 -21.25 -21.25	15.27 14.63 25.90 20.44 20.44
Non HT20 Beam Forming, 6 to 54 Mbps	-52.1 0. 0. 0. 0.	0.1 -35.9 0.1 -47.1 0.1 -41.7 0.1 -41.7 0.1 -41.9	-21.25 -21.25 -21.25 -21.25	14.63 25.90 20.44 20.44
HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	0. 0. 0.).1 -47.1).1 -41.7).1 -41.7).1 -41.9	-21.25 -21.25 -21.25	25.90 20.44 20.44
HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	0. 0. 0.).1 -47.1).1 -41.7).1 -41.7).1 -41.9	-21.25 -21.25 -21.25	25.90 20.44 20.44
HT/VHT20, M8 to M15 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	0. 0.).1 -41.7).1 -41.9	-21.25 -21.25	20.44
HT/VHT20, M8 to M15 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	0.).1 -41.9	-21.25	20.44
HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15				20.64
HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	0.			
HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15).1 -40.0	-21.25	18.79
HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 HT/VHT20, M8 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	0.).1 -40.0	-21.25	18.79
HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	-51.7 0.).1 -42.1	-21.25	20.90
HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15	i).1 -39.6	-21.25	18.38
HT/VHT20, M24 to M31).1 -39.6	-21.25	18.38
HT/VHT20 Beam Forming, M0 to M7 2 7 -53.0 -49.1 HT/VHT20 Beam Forming, M8 to M15 2 4 -51.2 -47.2 HT/VHT20 Beam Forming, M0 to M7 3 9 -53.0 -49.1 -50.9 HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8).1 -39.6	-21.25	18.38
HT/VHT20 Beam Forming, M8 to M15 2 4 -51.2 -47.2 HT/VHT20 Beam Forming, M0 to M7 3 9 -53.0 -49.1 -50.9 HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8).1 -40.6	-21.25	19.31
HT/VHT20 Beam Forming, M0 to M7 3 9 -53.0 -49.1 -50.9 HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8	0.).1 -41.7	-21.25	20.44
HT/VHT20 Beam Forming, M8 to M15 3 6 -51.4 -48.2 -49.8	0.).1 -36.9	-21.25	15.64
).1 -38.8	-21.25	17.53
HT/VHT20 Beam Forming, M16 to M23 3 4 -51.2 -47.2 -49.1	0.).1 -40.0	-21.25	18.79
	-51.7 0.).1 -36.1	-21.25	14.90
).1 -37.6	-21.25	16.36
).1 -38.6	-21.25	17.38
).1 -39.6	-21.25	18.38
HT/VHT20 STBC, M0 to M7).1 -41.7	-21.25	20.44
HT/VHT20 STBC, M0 to M7 3 4 -51.2 -47.2 -49.1).1 -40.0	-21.25	18.79
).1 -39.6	-21.25	18.38
HE20, M0 to M9 1ss 1 4 -51.7).1 -47.6	-21.25	26.38
HE20, M0 to M9 1ss 2 4 -51.7 -47.2	0.).1 -41.8	-21.25	20.56
HE20, M0 to M9 2ss 2 4 -51.7 -47.2			-21.25	20.56
HE20, M0 to M9 1ss 3 4 -53.3 -48.1 -49.3	0.).1 -41.8	-21.25	19.64

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	HE20, M0 to M9 2ss	3	4	-51.7	-47.2	-49.5		0.1	-40.2	-21.25	19.00
	HE20, M0 to M9 3ss	3	4	-51.7	-47.2	-49.5		0.1	-40.2	-21.25	19.00
	HE20, M0 to M9 1ss	4	4	-54.0	-51.1	-52.7	-51.5	0.1	-42.1	-21.25	20.85
	HE20, M0 to M9 2ss	4	4	-53.3	-48.1	-49.3	-50.2	0.1	-39.8	-21.25	18.51
	HE20, M0 to M9 3ss	4	4	-53.3	-48.1	-49.3	-50.2	0.1	-39.8	-21.25	18.51
	HE20, M0 to M9 4ss	4	4	-53.3	-48.1	-49.3	-50.2	0.1	-39.8	-21.25	18.51
	HE20 Beam Forming, M0 to M9 1ss	2	7	-53.3	-48.1			0.1	-39.9	-21.25	18.64
	HE20 Beam Forming, M0 to M9 2ss	2	4	-51.7	-47.2			0.1	-41.8	-21.25	20.56
	HE20 Beam Forming, M0 to M9 1ss	3	9	-53.7	-49.4	-50.9		0.1	-37.2	-21.25	15.90
	HE20 Beam Forming, M0 to M9 2ss	3	6	-53.3	-48.1	-49.3		0.1	-38.9	-21.25	17.64
	HE20 Beam Forming, M0 to M9 3ss	3	4	-51.7	-47.2	-49.5		0.1	-40.2	-21.25	19.00
	HE20 Beam Forming, M0 to M9 1ss	4	10	-54.0	-51.1	-52.7	-51.5	0.1	-36.1	-21.25	14.85
	HE20 Beam Forming, M0 to M9 2ss	4	7	-53.7	-49.4	-50.9	-51.1	0.1	-37.9	-21.25	16.68
	HE20 Beam Forming, M0 to M9 3ss	4	5	-53.3	-48.1	-49.3	-50.2	0.1	-38.8	-21.25	17.51
	HE20 Beam Forming, M0 to M9 4ss	4	4	-53.3	-48.1	-49.3	-50.2	0.1	-39.8	-21.25	18.51
	HE20 STBC, M0 to M9 2ss	2	4	-51.7	-47.2			0.1	-41.8	-21.25	20.56
	HE20 STBC, M0 to M9 2ss	3	4	-51.7	-47.2	-49.5		0.1	-40.2	-21.25	19.00
	HE20 STBC, M0 to M9 2ss	4	4	-53.3	-48.1	-49.3	-50.2	0.1	-39.8	-21.25	18.51
				_	_				_		
	Non HT160, 6 to 54 Mbps	1	4	-49.2				0.1	-45.1	-21.25	23.90
	Non HT160, 6 to 54 Mbps	2	4	-49.2	-46.8			0.1	-40.8	-21.25	19.53
	Non HT160, 6 to 54 Mbps	3	4	-52.2	-47.4	-49.4		0.1	-40.4	-21.25	19.17
	Non HT160, 6 to 54 Mbps	4	4	-52.2	-47.4	-49.4	-49.1	0.1	-39.1	-21.25	17.89
	VHT160, M0 to M9 1ss	1	4	-47.3				0.1	-43.2	-21.25	22.00
	VHT160, M0 to M9 1ss	2	4	-47.3	-47.0			0.1	-40.1	-21.25	18.83
	VHT160, M0 to M9 2ss	2	4	-47.3	-47.0			0.1	-40.1	-21.25	18.83
	VHT160, M0 to M9 1ss	3	4	-49.2	-49.7	-51.0		0.1	-41.1	-21.25	19.83
	VHT160, M0 to M9 2ss	3	4	-49.2	-49.7	-51.0		0.1	-41.1	-21.25	19.83
	VHT160, M0 to M9 3ss	3	4	-49.2	-49.7	-51.0		0.1	-41.1	-21.25	19.83
0	VHT160, M0 to M9 1ss	4	4	-49.2	-49.7	-51.0	-50.1	0.1	-39.9	-21.25	18.63
525(VHT160, M0 to M9 2ss	4	4	-49.2	-49.7	-51.0	-50.1	0.1	-39.9	-21.25	18.63
(J	VHT160, M0 to M9 3ss	4	4	-49.2	-49.7	-51.0	-50.1	0.1	-39.9	-21.25	18.63
	VHT160, M0 to M9 4ss	4	4	-49.2	-49.7	-51.0	-50.1	0.1	-39.9	-21.25	18.63
	VHT160 Beam Forming, M0 to M9 1ss	2	7	-49.2	-49.7			0.1	-39.4	-21.25	18.13
	VHT160 Beam Forming, M0 to M9 2ss	2	4	-47.3	-47.0			0.1	-40.1	-21.25	18.83
	VHT160 Beam Forming, M0 to M9 1ss	3	9	-51.7	-49.3	-51.7		0.1	-36.9	-21.25	15.67
	VHT160 Beam Forming, M0 to M9 2ss	3	6	-49.2	-49.7	-51.0		0.1	-39.1	-21.25	17.83
	VHT160 Beam Forming, M0 to M9 3ss	3	4	-49.2	-49.7	-51.0		0.1	-41.1	-21.25	19.83
	VHT160 Beam Forming, M0 to M9 1ss	4	10	-54.5	-51.0	-51.3	-52.1	0.1	-36.0	-21.25	14.70
	VHT160 Beam Forming, M0 to M9 2ss	4	7	-51.7	-49.3	-51.7	-51.2	0.1	-37.8	-21.25	16.53
	VHT160 Beam Forming, M0 to M9 3ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
	VHT160 Beam Forming, M0 to M9 4ss	4	4	-49.2	-49.7	-51.0	-50.1	0.1	-39.9	-21.25	18.63
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VHT160 STBC, M0 to M9 1ss	2	4	-47.3	-47.0			0.1	-40.1	-21.25	18.83
VHT160 STBC, M0 to M9 1ss	3	4	-49.2	-49.7	-51.0		0.1	-41.1	-21.25	19.83
VHT160 STBC, M0 to M9 1ss	4	4	-49.2	-49.7	-51.0	-50.1	0.1	-39.9	-21.25	18.63
HE160, M0 to M9 1ss	1	4	-47.5				0.1	-43.4	-21.25	22.18
HE160, M0 to M9 1ss	2	4	-47.5	-46.8			0.1	-40.1	-21.25	18.81
HE160, M0 to M9 2ss	2	4	-47.5	-46.8			0.1	-40.1	-21.25	18.81
HE160, M0 to M9 1ss	3	4	-47.5	-46.8	-48.1		0.1	-38.6	-21.25	17.35
HE160, M0 to M9 2ss	3	4	-47.5	-46.8	-48.1		0.1	-38.6	-21.25	17.35
HE160, M0 to M9 3ss	3	4	-47.5	-46.8	-48.1		0.1	-38.6	-21.25	17.35
HE160, M0 to M9 1ss	4	4	-47.5	-46.8	-48.1	-48.3	0.1	-37.5	-21.25	16.30
HE160, M0 to M9 2ss	4	4	-47.5	-46.8	-48.1	-48.3	0.1	-37.5	-21.25	16.30
HE160, M0 to M9 3ss	4	4	-47.5	-46.8	-48.1	-48.3	0.1	-37.5	-21.25	16.30
HE160, M0 to M9 4ss	4	4	-47.5	-46.8	-48.1	-48.3	0.1	-37.5	-21.25	16.30
HE160 Beam Forming, M0 to M9 1ss	2	7	-49.4	-48.6			0.1	-38.9	-21.25	17.65
HE160 Beam Forming, M0 to M9 2ss	2	4	-47.5	-46.8			0.1	-40.1	-21.25	18.81
HE160 Beam Forming, M0 to M9 1ss	3	9	-51.6	-49.0	-50.3		0.1	-36.3	-21.25	15.08
HE160 Beam Forming, M0 to M9 2ss	3	6	-49.4	-48.6	-49.3		0.1	-38.2	-21.25	17.00
HE160 Beam Forming, M0 to M9 3ss	3	4	-47.5	-46.8	-48.1		0.1	-38.6	-21.25	17.35
HE160 Beam Forming, M0 to M9 1ss	4	10	-52.6	-49.9	-51.0	-50.6	0.1	-34.8	-21.25	13.58
HE160 Beam Forming, M0 to M9 2ss	4	7	-51.6	-49.0	-50.3	-50.4	0.1	-37.1	-21.25	15.89
HE160 Beam Forming, M0 to M9 3ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65
HE160 Beam Forming, M0 to M9 4ss	4	4	-47.5	-46.8	-48.1	-48.3	0.1	-37.5	-21.25	16.30
HE160 STBC, M0 to M9 1ss	2	4	-47.5	-46.8			0.1	-40.1	-21.25	18.81
HE160 STBC, M0 to M9 1ss	3	4	-47.5	-46.8	-48.1		0.1	-38.6	-21.25	17.35
HE160 STBC, M0 to M9 1ss	4	4	-47.5	-46.8	-48.1	-48.3	0.1	-37.5	-21.25	16.30

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Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7





Antenna A

Antenna B





Antenna C Antenna D



A.6 Conducted Receiver Spurious Emissions

Spurious Of Receive Average Upp, 5260 MHz, Non HT20, 6 to 54 Mbps



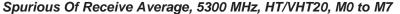






Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Rx 1 Spur Power (dBm)	Rx 2 Spur Power (dBm)	Rx 3 Spur Power (dBm)	Rx 4 Spur Power (dBm)	Duty Cycle Correction (dB)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
0	Non HT20, 6 to 54 Mbps	4	4	-86.4	-86.7	-86.7	-86.6	0.1	-76.5	-41.25	35.28
5260	HT/VHT20, M0 to M7	4	4	-86.1	-86.2	-86.7	-86.5	0.1	-76.3	-41.25	35.05
4)	HE20, M0 to M9 1ss	4	4	-86.4	-86.6	-86.6	-86.1	0.1	-76.3	-41.25	35.08
									-	-	
0	Non HT40, 6 to 54 Mbps	4	4	-86.4	-86.7	-86.8	-86.7	0.0	-76.6	-41.25	35.33
5270	HT/VHT40, M0 to M7	4	4	-86.5	-86.8	-86.7	-86.5	0.1	-76.5	-41.25	35.25
4,	HE40, M0 to M9 1ss	4	4	-86.0	-86.3	-87.1	-86.4	0.1	-76.3	-41.25	35.04
0	Non HT80, 6 to 54 Mbps	4	4	-86.4	-86.5	-86.8	-86.8	0.1	-76.6	-41.25	35.30
5290	VHT80, M0 to M9 1ss	4	4	-86.5	-86.9	-86.7	-86.7	0.2	-76.5	-41.25	35.21
4)	HE80, M0 to M9 1ss	4	4	-86.2	-86.6	-86.9	-86.7	0.3	-76.3	-41.25	35.07
0	Non HT20, 6 to 54 Mbps	4	4	-86.1	-86.4	-86.9	-86.3	0.1	-76.3	-41.25	35.09
5300	HT/VHT20, M0 to M7	4	4	-86.1	-86.1	-86.4	-86.2	0.1	-76.1	-41.25	34.88
4,	HE20, M0 to M9 1ss	4	4	-86.3	-86.5	-86.6	-86.0	0.1	-76.3	-41.25	35.01
			-						-	-	
0	Non HT40, 6 to 54 Mbps	4	4	-86.2	-86.6	-86.8	-86.6	0.1	-76.5	-41.25	35.22
5310	HT/VHT40, M0 to M7	4	4	-85.9	-86.7	-86.7	-86.5	0.1	-76.4	-41.25	35.11
47	HE40, M0 to M9 1ss	4	4	-86.3	-86.4	-86.5	-86.3	0.1	-76.3	-41.25	35.04
0	Non HT20, 6 to 54 Mbps	4	4	-86.4	-86.5	-86.5	-86.3	0.1	-76.4	-41.25	35.10
5320	HT/VHT20, M0 to M7	4	4	-86.1	-86.5	-86.7	-86.5	0.1	-76.4	-41.25	35.12
4,	HE20, M0 to M9 1ss	4	4	-86.2	-86.4	-86.3	-86.1	0.1	-76.2	-41.25	34.91
0	Non HT160, 6 to 54 Mbps	4	4	-86.4	-86.3	-86.7	-86.4	0.1	-76.4	-41.25	35.13
5250	VHT160, M0 to M9 1ss	4	4	-86.3	-86.6	-86.6	-86.5	0.1	-76.4	-41.25	35.17
4)	HE160, M0 to M9 1ss	4	4	-86.1	-86.3	-86.5	-86.4	0.1	-76.2	-41.25	34.98









Antenna A







Antenna C

Antenna D



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Rx 1 Spur Power (dBm)	Rx 2 Spur Power (dBm)	Rx 3 Spur Power (dBm)	Rx 4 Spur Power (dBm)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
0	Non HT20, 6 to 54 Mbps	4	4	-68.6	-68.7	-69.6	-69.1	-58.9	-21.25	37.66
5260	HT/VHT20, M0 to M7	4	4	-69.2	-68.9	-68.9	-68.2	-58.7	-21.25	37.46
47	HE20, M0 to M9 1ss	4	4	-68.3	-69.7	-69.7	-70.0	-59.3	-21.25	38.03
0	Non HT40, 6 to 54 Mbps	4	4	-68.7	-69.1	-69.8	-68.6	-59.0	-21.25	37.71
5270	HT/VHT40, M0 to M7	4	4	-69.8	-68.4	-69.6	-69.3	-59.1	-21.25	37.87
- "	HE40, M0 to M9 1ss	4	4	-69.2	-68.9	-69.5	-68.3	-58.8	-21.25	37.56
0	Non HT80, 6 to 54 Mbps	4	4	-68.9	-69.6	-69.6	-68.9	-59.2	-21.25	37.91
5290	VHT80, M0 to M9 1ss	4	4	-69.0	-67.7	-68.3	-68.4	-58.1	-21.25	36.84
	HE80, M0 to M9 1ss	4	4	-68.9	-68.8	-69.2	-69.2	-58.8	-21.25	37.50
0	Non HT20, 6 to 54 Mbps	4	4	-69.4	-69.6	-67.8	-68.9	-58.8	-21.25	37.55
5300	HT/VHT20, M0 to M7	4	4	-69.0	-69.4	-69.5	-69.2	-59.2	-21.25	37.95
	HE20, M0 to M9 1ss	4	4	-69.0	-68.8	-69.7	-68.6	-58.9	-21.25	37.67
01	Non HT40, 6 to 54 Mbps	4	4	-69.2	-68.9	-68.9	-69.0	-58.9	-21.25	37.68
5310	HT/VHT40, M0 to M7	4	4	-68.7	-69.5	-69.6	-68.4	-58.9	-21.25	37.70
	HE40, M0 to M9 1ss	4	4	-68.7	-69.5	-69.7	-69.1	-59.1	-21.25	37.89
	N. 11700 04 7411		•	0= 4	00.0	00 =	00.0	- 0.0	04.05	
50	Non HT20, 6 to 54 Mbps	4	4	-67.4	-69.6	-69.7	-69.2	-58.8	-21.25	
5320	HT/VHT20, M0 to M7	4	4	-68.7	-69.3	-69.6	-69.4	-59.2	-21.25	37.91
	HE20, M0 to M9 1ss	4	4	-68.0	-67.9	-69.3	-69.8	-58.6	-21.25	37.34
	No. 117400 O. 1. 5414			00.0	00.0	00.0	00.0	FC 4	04.05	07.07
20	Non HT160, 6 to 54 Mbps	4	4	-69.0	-69.6	-69.3	-68.9	-59.1	-21.25	37.87
5250	VHT160, M0 to M9 1ss	4	4	-68.4	-69.4	-69.3	-69.6	-59.1	-21.25	37.83
	HE160, M0 to M9 1ss	4	4	-68.7	-69.0	-69.6	-69.2	-59.0	-21.25	37.77



Spurious Of Receive Peak, 5290 MHz, VHT80, M0 to M9 1ss





Antenna A





Antenna B



Antenna C

Antenna D



A.7 Conducted Bandedge

Conducted Band Edge Test Requirement

15.407(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Unwanted Emissions that fall Outside of the Restricted Bands

- a) For all measurements, follow the requirements in II.G.3. "General Requirements for Unwanted Emissions Measurements."
- b) At frequencies below 1000 MHz, use the procedure described in II.G.4. "Procedure for Unwanted Emissions Measurements Below 1000 MHz."
- c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in II.G.5., "Procedure for Unwanted Emissions Measurements Above 1000 MHz."
- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.3

Conducted Band Edge Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Ref. ANSI C63.10: 2013

Conducted Spurious Emissions

Test Procedure

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Place the radio in continuous transmit mode
- 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).
- 4. Use the peak marker function to determine the maximum spurs amplitude level.
- 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2)
- 6. Capture graphs and record pertinent measurement data.

Ref. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions

Test parameters

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Peak	Average
RBW = 1 MHz	RBW = 1 MHz
$VBW \ge 3 MHz$	$VBW \ge 3 MHz$
Sweep = Auto	Sweep = Auto
Detector = Peak	Detector = RMS
Trace = Max Hold.	Power Averaging

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
4	EUT	S01	✓	
1	Support			\

Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Duty Cycle Correction (dB)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	Non HT80, 6 to 54 Mbps	1	4	-45.6				0.1	-41.5	-41.25	0.30
	Non HT80, 6 to 54 Mbps	2	4	-49.2	-55.9			0.1	-44.3	-41.25	3.06
	Non HT80, 6 to 54 Mbps	3	4	-49.2	-55.9	-53.0		0.1	-43.0	-41.25	1.78
	Non HT80, 6 to 54 Mbps	4	4	-49.2	-55.9	-53.0	-54.5	0.1	-42.3	-41.25	1.05
	VHT80, M0 to M9 1ss	1	4	-47.8				0.2	-43.6	-41.25	2.33
	VHT80, M0 to M9 1ss	2	4	-47.8	-54.5			0.2	-42.7	-41.25	1.49
	VHT80, M0 to M9 2ss	2	4	-47.8	-54.5			0.2	-42.7	-41.25	1.49
	VHT80, M0 to M9 1ss	3	4	-47.8	-54.5	-53.2		0.2	-41.8	-41.25	0.57
	VHT80, M0 to M9 2ss	3	4	-47.8	-54.5	-53.2		0.2	-41.8	-41.25	0.57
	VHT80, M0 to M9 3ss	3	4	-47.8	-54.5	-53.2		0.2	-41.8	-41.25	0.57
	VHT80, M0 to M9 1ss	4	4	-50.5	-55.8	-54.7	-55.3	0.2	-43.3	-41.25	2.01
	VHT80, M0 to M9 2ss	4	4	-50.5	-55.8	-54.7	-55.3	0.2	-43.3	-41.25	2.01
	VHT80, M0 to M9 3ss	4	4	-50.5	-55.8	-54.7	-55.3	0.2	-43.3	-41.25	2.01
	VHT80, M0 to M9 4ss	4	4	-50.5	-55.8	-54.7	-55.3	0.2	-43.3	-41.25	2.01
5290	VHT80 Beam Forming, M0 to M9 1ss	2	7	-50.5	-55.8			0.2	-42.2	-41.25	0.91
52	VHT80 Beam Forming, M0 to M9 2ss	2	4	-47.8	-54.5			0.2	-42.7	-41.25	1.49
	VHT80 Beam Forming, M0 to M9 1ss	3	9	-53.6	-56.9	-56.5		0.2	-41.4	-41.25	0.17
	VHT80 Beam Forming, M0 to M9 2ss	3	6	-50.5	-55.8	-54.7		0.2	-42.0	-41.25	0.79
	VHT80 Beam Forming, M0 to M9 3ss	3	4	-47.8	-54.5	-53.2		0.2	-41.8	-41.25	0.57
	VHT80 Beam Forming, M0 to M9 1ss	4	10	-56.5	-58.7	-58.0	-58.9	0.2	-41.7	-41.25	0.43
	VHT80 Beam Forming, M0 to M9 2ss	4	7	-53.6	-56.9	-56.5	-56.3	0.2	-42.4	-41.25	1.12
	VHT80 Beam Forming, M0 to M9 3ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
	VHT80 Beam Forming, M0 to M9 4ss	4	4	-50.5	-55.8	-54.7	-55.3	0.2	-43.3	-41.25	2.01
	VHT80 STBC, M0 to M9 1ss	2	4	-47.8	-54.5			0.2	-42.7	-41.25	1.49
	VHT80 STBC, M0 to M9 1ss	3	4	-47.8	-54.5	-53.2		0.2	-41.8	-41.25	0.57
	VHT80 STBC, M0 to M9 1ss	4	4	-50.5	-55.8	-54.7	-55.3	0.2	-43.3	-41.25	2.01
	HE80, M0 to M9 1ss	1	4	-46.8				0.3	-42.5	-41.25	1.30
	HE80, M0 to M9 1ss	2	4	-46.8	-54.2			0.3	-41.8	-41.25	0.57
	HE80, M0 to M9 2ss	2	4	-46.8	-54.2			0.3	-41.8	-41.25	0.57
	HE80, M0 to M9 1ss	3	4	-50.6	-56.7	-54.1		0.3	-44.1	-41.25	2.82

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	HE80, M0 to M9 2ss	3	4	-50.6	-56.7	-54.1		0.3	-44.1	-41.25	2.82
	HE80, M0 to M9 3ss	3	4	-50.6	-56.7	-54.1		0.3	-44.1	-41.25	2.82
	HE80, M0 to M9 1ss	4	4	-50.6	-56.7	-54.1	-54.5	0.3	-43.1	-41.25	1.88
	HE80, M0 to M9 2ss	4	4	-50.6	-56.7	-54.1	-54.5	0.3	-43.1	-41.25	1.88
	HE80, M0 to M9 3ss	4	4	-50.6	-56.7	-54.1	-54.5	0.3	-43.1	-41.25	1.88
	HE80, M0 to M9 4ss	4	4	-50.6	-56.7	-54.1	-54.5	0.3	-43.1	-41.25	1.88
	HE80 Beam Forming, M0 to M9 1ss	2	7	-50.6	-56.7			0.3	-42.4	-41.25	1.15
	HE80 Beam Forming, M0 to M9 2ss	2	4	-46.8	-54.2			0.3	-41.8	-41.25	0.57
	HE80 Beam Forming, M0 to M9 1ss	3	9	-55.3	-58.0	-57.3		0.3	-42.7	-41.25	1.44
	HE80 Beam Forming, M0 to M9 2ss	3	6	-50.6	-56.7	-54.1		0.3	-42.1	-41.25	0.82
	HE80 Beam Forming, M0 to M9 3ss	3	4	-50.6	-56.7	-54.1		0.3	-44.1	-41.25	2.82
	HE80 Beam Forming, M0 to M9 1ss	4	10	-57.6	-59.9	-58.4	-59.5	0.3	-42.5	-41.25	1.23
	HE80 Beam Forming, M0 to M9 2ss	4	7	-53.1	-57.2	-55.8	-56.9	0.3	-42.2	-41.25	0.90
	HE80 Beam Forming, M0 to M9 3ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	HE80 Beam Forming, M0 to M9 4ss	4	4	-50.6	-56.7	-54.1	-54.5	0.3	-43.1	-41.25	1.88
	HE80 STBC, M0 to M9 1ss	2	4	-46.8	-54.2			0.3	-41.8	-41.25	0.57
	HE80 STBC, M0 to M9 1ss	3	4	-50.6	-56.7	-54.1		0.3	-44.1	-41.25	2.82
	HE80 STBC, M0 to M9 1ss	4	4	-50.6	-56.7	-54.1	-54.5	0.3	-43.1	-41.25	1.88
	Non HT40, 6 to 54 Mbps	1	4	-48.2				0.1	-44.1	-41.25	2.90
	Non HT40, 6 to 54 Mbps	2	4	-48.2	-53.5			0.1	-43.0	-41.25	1.78
	Non HT40, 6 to 54 Mbps	3	4	-48.2	-53.5	-54.6		0.1	-42.3	-41.25	1.07
	Non HT40, 6 to 54 Mbps	4	4	-48.2	-53.5	-54.6	-54.1	0.1	-41.6	-41.25	0.39
	HT/VHT40, M0 to M7	1	4	-49.4				0.1	-45.3	-41.25	4.10
	HT/VHT40, M0 to M7	2	4	-49.4	-54.1			0.1	-44.1	-41.25	2.83
	HT/VHT40, M8 to M15	2	4	-49.4	-54.1			0.1	-44.1	-41.25	2.83
	HT/VHT40, M0 to M7	3	4	-49.4	-54.1	-55.5		0.1	-43.3	-41.25	2.10
	HT/VHT40, M8 to M15	3	4	-49.4	-54.1	-55.5		0.1	-43.3	-41.25	2.10
	HT/VHT40, M16 to M23	3	4	-49.4	-54.1	-55.5		0.1	-43.3	-41.25	2.10
0	HT/VHT40, M0 to M7	4	4	-49.4	-54.1	-55.5	-54.3	0.1	-42.5	-41.25	1.29
5310	HT/VHT40, M8 to M15	4	4	-49.4	-54.1	-55.5	-54.3	0.1	-42.5	-41.25	1.29
5	HT/VHT40, M16 to M23	4	4	-49.4	-54.1	-55.5	-54.3	0.1	-42.5	-41.25	1.29
	HT/VHT40, M24 to M31	4	4	-49.4	-54.1	-55.5	-54.3	0.1	-42.5	-41.25	1.29
	HT/VHT40 Beam Forming, M0 to M7	2	7	-52.0	-56.1			0.1	-43.5	-41.25	2.27
	HT/VHT40 Beam Forming, M8 to M15	2	4	-49.4	-54.1			0.1	-44.1	-41.25	2.83
	HT/VHT40 Beam Forming, M0 to M7	3	9	-54.7	-56.9	-58.3		0.1	-42.6	-41.25	1.30
	HT/VHT40 Beam Forming, M8 to M15	3	6	-49.4	-54.1	-55.5		0.1	-41.3	-41.25	0.10
	HT/VHT40 Beam Forming, M16 to M23	3	4	-49.4	-54.1	-55.5		0.1	-43.3	-41.25	2.10
	HT/VHT40 Beam Forming, M0 to M7	4	10	-57.7	-58.3	-59.3	-59.9	0.1	-42.6	-41.25	1.39
	HT/VHT40 Beam Forming, M8 to M15	4	7	-52.0	-56.1	-56.9	-56.4	0.1	-41.8	-41.25	0.53
	HT/VHT40 Beam Forming, M16 to M23	4	5	-49.4	-54.1	-55.5	-54.3	0.1	-41.5	-41.25	0.29
	HT/VHT40 Beam Forming, M24 to M31	4	4	-49.4	-54.1	-55.5	-54.3	0.1	-42.5	-41.25	1.29
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	HT/VHT40 STBC, M0 to M7	2	4	-49.4	-54.1			0.1	-44.1	-41.25	2.83
	HT/VHT40 STBC, M0 to M7	3	4	-49.4	-54.1	-55.5		0.1	-43.3	-41.25	2.10
	HT/VHT40 STBC, M0 to M7	4	4	-49.4	-54.1	-55.5	-54.3	0.1	-42.5	-41.25	1.29
	HE40, M0 to M9 1ss	1	4	-47.0				0.1	-42.9	-41.25	1.68
	HE40, M0 to M9 1ss	2	4	-47.0	-53.0			0.1	-42.0	-41.25	0.71
	HE40, M0 to M9 2ss	2	4	-47.0	-53.0			0.1	-42.0	-41.25	0.71
	HE40, M0 to M9 1ss	3	4	-51.0	-55.6	-56.6		0.1	-44.8	-41.25	3.58
	HE40, M0 to M9 2ss	3	4	-51.0	-55.6	-56.6		0.1	-44.8	-41.25	3.58
	HE40, M0 to M9 3ss	3	4	-51.0	-55.6	-56.6		0.1	-44.8	-41.25	3.58
	HE40, M0 to M9 1ss	4	4	-51.0	-55.6	-56.6	-55.8	0.1	-44.0	-41.25	2.77
	HE40, M0 to M9 2ss	4	4	-51.0	-55.6	-56.6	-55.8	0.1	-44.0	-41.25	2.77
	HE40, M0 to M9 3ss	4	4	-51.0	-55.6	-56.6	-55.8	0.1	-44.0	-41.25	2.77
	HE40, M0 to M9 4ss	4	4	-51.0	-55.6	-56.6	-55.8	0.1	-44.0	-41.25	2.77
	HE40 Beam Forming, M0 to M9 1ss	2	7	-51.0	-55.6			0.1	-42.6	-41.25	1.39
	HE40 Beam Forming, M0 to M9 2ss	2	4	-47.0	-53.0			0.1	-42.0	-41.25	0.71
	HE40 Beam Forming, M0 to M9 1ss	3	9	-53.9	-56.2	-57.9		0.1	-41.9	-41.25	0.60
	HE40 Beam Forming, M0 to M9 2ss	3	6	-51.0	-55.6	-56.6		0.1	-42.8	-41.25	1.58
	HE40 Beam Forming, M0 to M9 3ss	3	4	-51.0	-55.6	-56.6		0.1	-44.8	-41.25	3.58
	HE40 Beam Forming, M0 to M9 1ss	4	10	-56.6	-57.9	-59.0	-58.7	0.1	-41.9	-41.25	0.61
	HE40 Beam Forming, M0 to M9 2ss	4	7	-53.9	-56.2	-57.9	-57.9	0.1	-43.1	-41.25	1.81
	HE40 Beam Forming, M0 to M9 3ss	4	5	-51.0	-55.6	-56.6	-55.8	0.1	-43.0	-41.25	1.77
	HE40 Beam Forming, M0 to M9 4ss	4	4	-51.0	-55.6	-56.6	-55.8	0.1	-44.0	-41.25	2.77
	HE40 STBC, M0 to M9 2ss	2	4	-47.0	-53.0			0.1	-42.0	-41.25	0.71
	HE40 STBC, M0 to M9 2ss	3	4	-51.0	-55.6	-56.6		0.1	-44.8	-41.25	3.58
	HE40 STBC, M0 to M9 2ss	4	4	-51.0	-55.6	-56.6	-55.8	0.1	-44.0	-41.25	2.77
			-	_				-	_	_	
	Non HT20, 6 to 54 Mbps	1	4	-47.8				0.1	-43.7	-41.25	2.50
	Non HT20, 6 to 54 Mbps	2	4	-47.8	-54.6			0.1	-42.9	-41.25	1.68
	Non HT20, 6 to 54 Mbps	3	4	-52.7	-56.7	-57.7		0.1	-46.3	-41.25	5.06
	Non HT20, 6 to 54 Mbps	4	4	-59.5	-59.7	-60.7	-61.1	0.1	-50.1	-41.25	8.88
	Non HT20 Beam Forming, 6 to 54 Mbps	2	7	-51.6	-56.3			0.1	-43.3	-41.25	2.03
	Non HT20 Beam Forming, 6 to 54 Mbps	3	9	-52.7	-56.7	-57.7		0.1	-41.3	-41.25	0.06
	Non HT20 Beam Forming, 6 to 54 Mbps	4	10	-59.5	-59.7	-60.7	-61.1	0.1	-44.1	-41.25	2.88
5320	HT/VHT20, M0 to M7	1	4	-46.5				0.1	-42.4	-41.25	1.20
53	HT/VHT20, M0 to M7	2	4	-46.5	-54.7			0.1	-41.8	-41.25	0.59
	HT/VHT20, M8 to M15	2	4	-46.5	-54.7			0.1	-41.8	-41.25	0.59
	HT/VHT20, M0 to M7	3	4	-53.3	-57.8	-57.2		0.1	-46.8	-41.25	5.54
	HT/VHT20, M8 to M15	3	4	-46.5	-54.7	-54.8		0.1	-41.3	-41.25	0.06
	HT/VHT20, M16 to M23	3	4	-46.5	-54.7	-54.8		0.1	-41.3	-41.25	0.06
	HT/VHT20, M0 to M7	4	4	-59.3	-60.1	-59.9	-60.7	0.1	-49.9	-41.25	8.65
	HT/VHT20, M8 to M15	4	4	-48.6	-56.6	-56.5	-56.5	0.1	-42.8	-41.25	1.59
	HT/VHT20, M16 to M23	4	4	-48.6	-56.6	-56.5	-56.5	0.1	-42.8	-41.25	1.59

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	HT/VHT20, M24 to M31	4	4	-48.6	-56.6	-56.5	-56.5	0.1	-42.8	-41.25	1.59
	HT/VHT20 Beam Forming, M0 to M7	2	7	-53.3	-57.8			0.1	-44.9	-41.25	3.68
	HT/VHT20 Beam Forming, M8 to M15	2	4	-46.5	-54.7			0.1	-41.8	-41.25	0.59
	HT/VHT20 Beam Forming, M0 to M7	3	9	-53.3	-57.8	-57.2		0.1	-41.8	-41.25	0.54
	HT/VHT20 Beam Forming, M8 to M15	3	6	-48.6	-56.6	-56.5		0.1	-41.3	-41.25	0.09
	HT/VHT20 Beam Forming, M16 to M23	3	4	-46.5	-54.7	-54.8		0.1	-41.3	-41.25	0.06
	HT/VHT20 Beam Forming, M0 to M7	4	10	-59.3	-60.1	-59.9	-60.7	0.1	-43.9	-41.25	2.65
	HT/VHT20 Beam Forming, M8 to M15	4	7	-53.3	-57.8	-57.2	-57.5	0.1	-42.9	-41.25	1.69
	HT/VHT20 Beam Forming, M16 to M23	4	5	-48.6	-56.6	-56.5	-56.5	0.1	-41.8	-41.25	0.59
	HT/VHT20 Beam Forming, M24 to M31	4	4	-48.6	-56.6	-56.5	-56.5	0.1	-42.8	-41.25	1.59
	HT/VHT20 STBC, M0 to M7	2	4	-46.5	-54.7			0.1	-41.8	-41.25	0.59
	HT/VHT20 STBC, M0 to M7	3	4	-46.5	-54.7	-54.8		0.1	-41.3	-41.25	0.06
	HT/VHT20 STBC, M0 to M7	4	4	-48.6	-56.6	-56.5	-56.5	0.1	-42.8	-41.25	1.59
	HE20, M0 to M9 1ss	1	4	-47.0				0.1	-42.9	-41.25	1.68
	HE20, M0 to M9 1ss	2	4	-47.0	-55.0			0.1	-42.3	-41.25	1.04
	HE20, M0 to M9 2ss	2	4	-47.0	-55.0			0.1	-42.3	-41.25	1.04
	HE20, M0 to M9 1ss	3	4	-49.9	-56.1	-56.6		0.1	-44.2	-41.25	2.96
	HE20, M0 to M9 2ss	3	4	-47.0	-55.0	-54.8		0.1	-41.7	-41.25	0.46
	HE20, M0 to M9 3ss	3	4	-47.0	-55.0	-54.8		0.1	-41.7	-41.25	0.46
	HE20, M0 to M9 1ss	4	4	-57.8	-59.1	-58.8	-60.0	0.1	-48.8	-41.25	7.52
	HE20, M0 to M9 2ss	4	4	-49.9	-56.1	-56.6	-56.5	0.1	-43.6	-41.25	2.35
	HE20, M0 to M9 3ss	4	4	-49.9	-56.1	-56.6	-56.5	0.1	-43.6	-41.25	2.35
	HE20, M0 to M9 4ss	4	4	-49.9	-56.1	-56.6	-56.5	0.1	-43.6	-41.25	2.35
	HE20 Beam Forming, M0 to M9 1ss	2	7	-49.9	-56.1			0.1	-41.9	-41.25	0.65
	HE20 Beam Forming, M0 to M9 2ss	2	4	-47.0	-55.0			0.1	-42.3	-41.25	1.04
	HE20 Beam Forming, M0 to M9 1ss	3	9	-54.9	-57.3	-57.4		0.1	-42.5	-41.25	1.28
	HE20 Beam Forming, M0 to M9 2ss	3	6	-49.9	-56.1	-56.6		0.1	-42.2	-41.25	0.96
	HE20 Beam Forming, M0 to M9 3ss	3	4	-47.0	-55.0	-54.8		0.1	-41.7	-41.25	0.46
	HE20 Beam Forming, M0 to M9 1ss	4	10	-57.8	-59.1	-58.8	-60.0	0.1	-42.8	-41.25	1.52
	HE20 Beam Forming, M0 to M9 2ss	4	7	-54.9	-57.3	-57.4	-58.7	0.1	-43.8	-41.25	2.51
	HE20 Beam Forming, M0 to M9 3ss	4	5	-49.9	-56.1	-56.6	-56.5	0.1	-42.6	-41.25	1.35
	HE20 Beam Forming, M0 to M9 4ss	4	4	-49.9	-56.1	-56.6	-56.5	0.1	-43.6	-41.25	2.35
	HE20 STBC, M0 to M9 2ss	2	4	-47.0	-55.0			0.1	-42.3	-41.25	1.04
	HE20 STBC, M0 to M9 2ss	3	4	-47.0	-55.0	-54.8		0.1	-41.7	-41.25	0.46
	HE20 STBC, M0 to M9 2ss	4	4	-49.9	-56.1	-56.6	-56.5	0.1	-43.6	-41.25	2.35
	Non HT160, 6 to 54 Mbps	1	4	-46.8				0.1	-42.7	-41.25	1.50
	Non HT160, 6 to 54 Mbps	2	4	-46.8	-52.9			0.1	-41.8	-41.25	0.55
0	Non HT160, 6 to 54 Mbps	3	4	-50.6	-55.0	-54.4		0.1	-44.0	-41.25	2.80
5250	Non HT160, 6 to 54 Mbps	4	4	-50.6	-55.0	-54.4	-55.1	0.1	-43.3	-41.25	2.01
	VHT160, M0 to M9 1ss	1	4	-46.9				0.1	-42.8	-41.25	1.60
	VHT160, M0 to M9 1ss	2	4	-46.9	-53.6			0.1	-42.0	-41.25	0.75
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VHT160, M0 to M9 2ss	2	4	-46.9	-53.6			0.1	-42.0	-41.25	0.75
VHT160, M0 to M9 1ss	3	4	-50.5	-54.5	-55.2		0.1	-44.0	-41.25	2.80
VHT160, M0 to M9 2ss	3	4	-50.5	-54.5	-55.2		0.1	-44.0	-41.25	2.80
VHT160, M0 to M9 3ss	3	4	-50.5	-54.5	-55.2		0.1	-44.0	-41.25	2.80
VHT160, M0 to M9 1ss	4	4	-50.5	-54.5	-55.2	-54.1	0.1	-43.1	-41.25	1.82
VHT160, M0 to M9 2ss	4	4	-50.5	-54.5	-55.2	-54.1	0.1	-43.1	-41.25	1.82
VHT160, M0 to M9 3ss	4	4	-50.5	-54.5	-55.2	-54.1	0.1	-43.1	-41.25	1.82
VHT160, M0 to M9 4ss	4	4	-50.5	-54.5	-55.2	-54.1	0.1	-43.1	-41.25	1.82
VHT160 Beam Forming, M0 to M9 1ss	2	7	-50.5	-54.5			0.1	-42.0	-41.25	0.74
VHT160 Beam Forming, M0 to M9 2ss	2	4	-46.9	-53.6			0.1	-42.0	-41.25	0.75
VHT160 Beam Forming, M0 to M9 1ss	3	9	-54.5	-57.0	-57.3		0.1	-42.3	-41.25	1.00
VHT160 Beam Forming, M0 to M9 2ss	3	6	-50.5	-54.5	-55.2		0.1	-42.0	-41.25	0.80
VHT160 Beam Forming, M0 to M9 3ss	3	4	-50.5	-54.5	-55.2		0.1	-44.0	-41.25	2.80
VHT160 Beam Forming, M0 to M9 1ss	4	10	-56.4	-60.6	-60.6	-59.7	0.1	-42.9	-41.25	1.62
VHT160 Beam Forming, M0 to M9 2ss	4	7	-54.5	-57.0	-57.3	-56.5	0.1	-43.1	-41.25	1.85
VHT160 Beam Forming, M0 to M9 3ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
VHT160 Beam Forming, M0 to M9 4ss	4	4	-50.5	-54.5	-55.2	-54.1	0.1	-43.1	-41.25	1.82
VHT160 STBC, M0 to M9 1ss	2	4	-46.9	-53.6			0.1	-42.0	-41.25	0.75
VHT160 STBC, M0 to M9 1ss	3	4	-50.5	-54.5	-55.2		0.1	-44.0	-41.25	2.80
VHT160 STBC, M0 to M9 1ss	4	4	-50.5	-54.5	-55.2	-54.1	0.1	-43.1	-41.25	1.82
HE160, M0 to M9 1ss	1	4	-48.1				0.1	-44.0	-41.25	2.78
HE160, M0 to M9 1ss	2	4	-48.1	-54.2			0.1	-43.1	-41.25	1.83
HE160, M0 to M9 2ss	2	4	-48.1	-54.2			0.1	-43.1	-41.25	1.83
HE160, M0 to M9 1ss	3	4	-48.1	-54.2	-54.4		0.1	-42.3	-41.25	1.08
HE160, M0 to M9 2ss	3	4	-48.1	-54.2	-54.4		0.1	-42.3	-41.25	1.08
HE160, M0 to M9 3ss	3	4	-48.1	-54.2	-54.4		0.1	-42.3	-41.25	1.08
HE160, M0 to M9 1ss	4	4	-48.1	-54.2	-54.4	-52.8	0.1	-41.4	-41.25	0.18
HE160, M0 to M9 2ss	4	4	-48.1	-54.2	-54.4	-52.8	0.1	-41.4	-41.25	0.18
HE160, M0 to M9 3ss	4	4	-48.1	-54.2	-54.4	-52.8	0.1	-41.4	-41.25	0.18
HE160, M0 to M9 4ss	4	4	-48.1	-54.2	-54.4	-52.8	0.1	-41.4	-41.25	0.18
HE160 Beam Forming, M0 to M9 1ss	2	7	-50.7	-56.2			0.1	-42.6	-41.25	1.30
HE160 Beam Forming, M0 to M9 2ss	2	4	-48.1	-54.2			0.1	-43.1	-41.25	1.83
HE160 Beam Forming, M0 to M9 1ss	3	9	-53.3	-57.8	-57.4		0.1	-41.8	-41.25	0.57
HE160 Beam Forming, M0 to M9 2ss	3	6	-50.7	-56.2	-56.1		0.1	-42.7	-41.25	1.42
HE160 Beam Forming, M0 to M9 3ss	3	4	-48.1	-54.2	-54.4		0.1	-42.3	-41.25	1.08
HE160 Beam Forming, M0 to M9 1ss	4	10	-56.3	-59.1	-58.7	-59.8	0.1	-42.2	-41.25	0.92
HE160 Beam Forming, M0 to M9 2ss	4	7	-53.3	-57.8	-57.4	-58.0	0.1	-43.0	-41.25	1.80
HE160 Beam Forming, M0 to M9 3ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66
HE160 Beam Forming, M0 to M9 4ss	4	4	-48.1	-54.2	-54.4	-52.8	0.1	-41.4	-41.25	0.18
HE160 STBC, M0 to M9 1ss	2	4	-48.1	-54.2			0.1	-43.1	-41.25	1.83
HE160 STBC, M0 to M9 1ss	3	4	-48.1	-54.2	-54.4		0.1	-42.3	-41.25	1.08
HE160 STBC, M0 to M9 1ss	4	4	-48.1	-54.2	-54.4	-52.8	0.1	-41.4	-41.25	0.18

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Conducted Bandedge Average, 5320 MHz, Non HT20 Beam Forming, 6 to 54 Mbps





Antenna A

Antenna B



Antenna C



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	Non HT80, 6 to 54 Mbps	1	4	-27.6				-23.5	-21.25	2.30
	Non HT80, 6 to 54 Mbps	2	4	-32.7	-39.8			-27.9	-21.25	6.63
	Non HT80, 6 to 54 Mbps	3	4	-32.7	-39.8	-38.3		-27.0	-21.25	5.72
	Non HT80, 6 to 54 Mbps	4	4	-32.7	-39.8	-38.3	-35.9	-25.8	-21.25	4.50
	VHT80, M0 to M9 1ss	1	4	-30.6				-26.4	-21.25	5.13
	VHT80, M0 to M9 1ss	2	4	-30.6	-39.3			-25.8	-21.25	4.58
	VHT80, M0 to M9 2ss	2	4	-30.6	-39.3			-25.8	-21.25	4.58
	VHT80, M0 to M9 1ss	3	4	-30.6	-39.3	-36.5		-24.9	-21.25	3.70
	VHT80, M0 to M9 2ss	3	4	-30.6	-39.3	-36.5		-24.9	-21.25	3.70
	VHT80, M0 to M9 3ss	3	4	-30.6	-39.3	-36.5		-24.9	-21.25	3.70
	VHT80, M0 to M9 1ss	4	4	-33.9	-44.0	-39.8	-40.2	-27.7	-21.25	6.42
	VHT80, M0 to M9 2ss	4	4	-33.9	-44.0	-39.8	-40.2	-27.7	-21.25	6.42
	VHT80, M0 to M9 3ss	4	4	-33.9	-44.0	-39.8	-40.2	-27.7	-21.25	6.42
	VHT80, M0 to M9 4ss	4	4	-33.9	-44.0	-39.8	-40.2	-27.7	-21.25	6.42
5290	VHT80 Beam Forming, M0 to M9 1ss	2	7	-33.9	-44.0			-26.3	-21.25	5.03
52	VHT80 Beam Forming, M0 to M9 2ss	2	4	-30.6	-39.3			-25.8	-21.25	4.58
	VHT80 Beam Forming, M0 to M9 1ss	3	9	-36.8	-47.1	-45.0		-26.6	-21.25	5.38
	VHT80 Beam Forming, M0 to M9 2ss	3	6	-33.9	-44.0	-39.8		-26.4	-21.25	5.12
	VHT80 Beam Forming, M0 to M9 3ss	3	4	-30.6	-39.3	-36.5		-24.9	-21.25	3.70
	VHT80 Beam Forming, M0 to M9 1ss	4	10	-41.4	-48.1	-47.0	-47.3	-28.8	-21.25	7.51
	VHT80 Beam Forming, M0 to M9 2ss	4	7	-36.8	-47.1	-45.0	-43.0	-27.9	-21.25	6.62
	VHT80 Beam Forming, M0 to M9 3ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
	VHT80 Beam Forming, M0 to M9 4ss	4	4	-33.9	-44.0	-39.8	-40.2	-27.7	-21.25	6.42
	VHT80 STBC, M0 to M9 1ss	2	4	-30.6	-39.3			-25.8	-21.25	4.58
	VHT80 STBC, M0 to M9 1ss	3	4	-30.6	-39.3	-36.5		-24.9	-21.25	3.70
	VHT80 STBC, M0 to M9 1ss	4	4	-33.9	-44.0	-39.8	-40.2	-27.7	-21.25	6.42
	HE80, M0 to M9 1ss	1	4	-31.6				-27.3	-21.25	6.10
	HE80, M0 to M9 1ss	2	4	-31.6	-42.9			-27.0	-21.25	5.79
	HE80, M0 to M9 2ss	2	4	-31.6	-42.9			-27.0	-21.25	5.79
	HE80, M0 to M9 1ss	3	4	-37.2	-44.8	-41.3		-31.0	-21.25	9.76

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HE80, M0 to M9 2ss											
HE80, M0 to M9 1ss		HE80, M0 to M9 2ss	3	4	-37.2	-44.8	-41.3		-31.0	-21.25	9.76
HE80, M0 to M9 2ss		HE80, M0 to M9 3ss	3	4	-37.2	-44.8	-41.3		-31.0	-21.25	9.76
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	4	4	-37.2	-44.8	-41.3	-40.7	-29.9	-21.25	8.67
HE80, M0 to M9 4ss		HE80, M0 to M9 2ss	4	4	-37.2	-44.8	-41.3	-40.7	-29.9	-21.25	8.67
HE80 Beam Forming, M0 to M9 1ss		HE80, M0 to M9 3ss	4	4	-37.2	-44.8	-41.3	-40.7	-29.9	-21.25	8.67
HE80 Beam Forming, M0 to M9 2ss		HE80, M0 to M9 4ss	4	4	-37.2	-44.8	-41.3	-40.7	-29.9	-21.25	8.67
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 1ss	2	7	-37.2	-44.8			-29.3	-21.25	8.00
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 2ss	2	4	-31.6	-42.9			-27.0	-21.25	5.79
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	3	9	-45.3	-47.4	-45.3		-31.9	-21.25	10.62
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 2ss	3	6	-37.2	-44.8	-41.3		-29.0	-21.25	7.76
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 3ss	3	4	-37.2	-44.8	-41.3		-31.0	-21.25	9.76
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	4	10	-47.4	-49.0	-47.4	-48.5	-31.7	-21.25	10.50
HE80 Beam Forming, M0 to M9 4ss		HE80 Beam Forming, M0 to M9 2ss	4	7	-41.6	-46.7	-44.0	-44.8	-30.6	-21.25	9.36
HE80 STBC, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 3ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
HE80 STBC, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 4ss	4	4	-37.2	-44.8	-41.3	-40.7	-29.9	-21.25	8.67
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	2	4	-31.6	-42.9			-27.0	-21.25	5.79
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	3	4	-37.2	-44.8	-41.3		-31.0	-21.25	9.76
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	4	4	-37.2	-44.8	-41.3	-40.7	-29.9	-21.25	8.67
Non HT40, 6 to 54 Mbps											
Non HT40, 6 to 54 Mbps Non HT40, 6 to 54 Mbps Non HT40, 6 to 54 Mbps HT/VHT40, M0 to M7 HT/VHT40, M0 to M3 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M		Non HT40, 6 to 54 Mbps	1	4	-31.8				-27.7	-21.25	6.50
Non HT40, 6 to 54 Mbps		Non HT40, 6 to 54 Mbps	2	4	-31.8	-37.0			-26.6	-21.25	5.35
HT/VHT40, M0 to M7		Non HT40, 6 to 54 Mbps	3	4	-31.8	-37.0	-41.4		-26.3	-21.25	5.00
HT/VHT40, M0 to M7		Non HT40, 6 to 54 Mbps	4	4	-31.8	-37.0	-41.4	-40.1	-25.8	-21.25	4.57
HT/VHT40, M8 to M15		HT/VHT40, M0 to M7	1	4	-33.1				-29.0	-21.25	7.80
HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M		HT/VHT40, M0 to M7	2	4	-33.1	-42.0			-28.5	-21.25	7.27
HT/VHT40, M8 to M15		HT/VHT40, M8 to M15	2	4	-33.1	-42.0			-28.5	-21.25	7.27
HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT4		HT/VHT40, M0 to M7	3	4	-33.1	-42.0	-43.4		-28.2	-21.25	6.93
HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam		HT/VHT40, M8 to M15	3	4	-33.1	-42.0	-43.4		-28.2	-21.25	6.93
HT/VHT40, M8 to M15 HT/VHT40, M8 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming,		HT/VHT40, M16 to M23	3	4	-33.1	-42.0	-43.4		-28.2	-21.25	6.93
HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam		HT/VHT40, M0 to M7	4	4	-33.1	-42.0	-43.4	-39.8	-27.5	-21.25	6.23
HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23		HT/VHT40, M8 to M15	4	4	-33.1	-42.0	-43.4	-39.8	-27.5	-21.25	6.23
HT/VHT40 Beam Forming, M0 to M7 2 7 -37.5 -48.3 -30.1 -21.25 8.85 HT/VHT40 Beam Forming, M8 to M15 2 4 -33.1 -42.0 -28.5 -21.25 7.27 HT/VHT40 Beam Forming, M0 to M7 3 9 -42.6 -46.2 -46.8 -31.0 -21.25 9.70 HT/VHT40 Beam Forming, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M16 to M23 3 4 -33.1 -42.0 -43.4 -28.2 -21.25 6.93 HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23	Ω	HT/VHT40, M16 to M23	4	4	-33.1	-42.0	-43.4	-39.8	-27.5	-21.25	6.23
HT/VHT40 Beam Forming, M8 to M15 2 4 -33.1 -42.0 -28.5 -21.25 7.27 HT/VHT40 Beam Forming, M0 to M7 3 9 -42.6 -46.2 -46.8 -31.0 -21.25 9.70 HT/VHT40 Beam Forming, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M16 to M23 3 4 -33.1 -42.0 -43.4 -28.2 -21.25 6.93 HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23		HT/VHT40, M24 to M31	4	4	-33.1	-42.0	-43.4	-39.8	-27.5	-21.25	6.23
HT/VHT40 Beam Forming, M0 to M7 3 9 -42.6 -46.2 -46.8 -31.0 -21.25 9.70 HT/VHT40 Beam Forming, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M16 to M23 3 4 -33.1 -42.0 -43.4 -28.2 -21.25 6.93 HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23		HT/VHT40 Beam Forming, M0 to M7	2	7	-37.5	-48.3			-30.1		8.85
HT/VHT40 Beam Forming, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M16 to M23 3 4 -33.1 -42.0 -43.4 -28.2 -21.25 6.93 HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23		HT/VHT40 Beam Forming, M8 to M15	2	4	-33.1	-42.0			-28.5	-21.25	7.27
HT/VHT40 Beam Forming, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M16 to M23 3 4 -33.1 -42.0 -43.4 -28.2 -21.25 6.93 HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23		HT/VHT40 Beam Forming, M0 to M7		9			-46.8		-31.0		
HT/VHT40 Beam Forming, M16 to M23 3 4 -33.1 -42.0 -43.4 -28.2 -21.25 6.93 HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23											
HT/VHT40 Beam Forming, M0 to M7 4 10 -44.3 -49.7 -47.5 -49.1 -31.0 -21.25 9.78 HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23			3	4			-43.4		-28.2		6.93
HT/VHT40 Beam Forming, M8 to M15 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12 HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23			4		-44.3		-47.5	-49.1			
HT/VHT40 Beam Forming, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23			4	7	-37.5	-48.3	-45.3	-41.9			
			4	5					-26.5		5.23

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HT/VHT40 STBC, M0 to M7											
HT/VHT40 STBC, M0 to M7		HT/VHT40 STBC, M0 to M7	2	4	-33.1	-42.0			-28.5	-21.25	7.27
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	3	4	-33.1	-42.0	-43.4		-28.2	-21.25	6.93
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	4	4	-33.1	-42.0	-43.4	-39.8	-27.5	-21.25	6.23
HE40, M0 to M9 2ss		HE40, M0 to M9 1ss	1	4	-29.1				-25.0	-21.25	3.78
HE40, M0 to M9 1ss		HE40, M0 to M9 1ss	2	4	-29.1	-33.9			-23.8	-21.25	2.54
HE40, M0 to M9 2ss		HE40, M0 to M9 2ss	2	4	-29.1	-33.9			-23.8	-21.25	2.54
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	3	4	-32.3	-39.9	-44.7		-27.3	-21.25	6.08
HE40, M0 to M9 1ss		HE40, M0 to M9 2ss	3	4	-32.3	-39.9	-44.7		-27.3	-21.25	6.08
HE40, M0 to M9 2ss		HE40, M0 to M9 3ss	3	4	-32.3	-39.9	-44.7		-27.3	-21.25	6.08
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	4	4	-32.3	-39.9	-44.7	-41.7	-26.9	-21.25	5.69
HE40, M0 to M9 4ss		HE40, M0 to M9 2ss	4	4	-32.3	-39.9	-44.7	-41.7	-26.9	-21.25	5.69
HE40 Beam Forming, M0 to M9 1ss 2 7 -32.3 -39.9 -24.5 -21.25 3.29 HE40 Beam Forming, M0 to M9 2ss 2 4 -29.1 -33.9 -24.6 -48.4 -25.0 -21.25 2.54 HE40 Beam Forming, M0 to M9 1ss 3 9 -34.6 -45.4 -48.4 -25.0 -21.25 3.77 HE40 Beam Forming, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -25.3 -21.25 4.08 HE40 Beam Forming, M0 to M9 3ss 3 4 -32.3 -39.9 -44.7 -27.3 -21.25 6.08 HE40 Beam Forming, M0 to M9 1ss 4 10 -39.8 -48.3 -45.8 -46.6 -27.7 -21.25 6.44 HE40 Beam Forming, M0 to M9 2ss 4 7 -34.6 -45.4 -48.4 -45.6 -26.7 -21.25 5.47 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -25.9 -21.25 5.49 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 2 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 HE40 STBC, M0 to M9 2ss 3 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 HE40 STBC, M0 to M9 2ss 3 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 HE40 STBC, M0 to M9 2ss 3 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 HE40 STBC, M0 to M9 2ss 3 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 HE40 STBC, M0 to M9 2ss 3 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 HE40 STBC, M0 to M9 2ss 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 6.08 Non HT20, 6 to 54 Mbps 2 4 4 -33.3 -38.9 -22.2 -21.25 6.94 Non HT20, 6 to 54 Mbps 3 4 -37.9 -45.6 -45.1 -32.5 -21.25 11.26 Non HT20, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -32.5 -21.25 11.26 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -32.5 -21.25 11.26 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 6.26 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 10.95 HT/VHT20, M0 to M7 1 4 -28.4 -37.3 -45.6 -45.1 -27.5 -21.25 6.26 HT/VHT20, M0 to M7 1 4 -28.4 -37.3 -39.0 -23.5 -21.25 3.10 HT/VHT20, M0 to M7 1 4 -28.4 -37.3 -39.0 -23.5 -21.25 3.5 HT/VHT20, M0 to M7 3 4 -38.4 -38.4 -37.3 -39.0 -23.5 -21.25 3.5 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 10.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 10.25 HT/VHT20, M0 to M7 4		HE40, M0 to M9 3ss	4	4	-32.3	-39.9	-44.7	-41.7	-26.9	-21.25	5.69
HE40 Beam Forming, M0 to M9 2ss 2 4 -29.1 -33.9 -23.8 -21.25 2.54 HE40 Beam Forming, M0 to M9 1ss 3 9 -34.6 -45.4 -48.4 -25.0 -21.25 3.77 HE40 Beam Forming, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -25.3 -21.25 4.08 HE40 Beam Forming, M0 to M9 3ss 3 4 -32.3 -39.9 -44.7 -27.3 -21.25 6.08 HE40 Beam Forming, M0 to M9 3ss 4 10 -39.8 -48.3 -45.8 -46.6 -27.7 -21.25 5.47 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -25.9 -21.25 5.47 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -25.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 2 4 -29.1 -33.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 Non HT20, 6 to 54 Mbps 4 4 -33.3 -38.9 -44.7 -41.7 -26.9 -21.25 5.69 Non HT20, 6 to 54 Mbps 3 4 -37.9 -45.6 -45.1 -32.5 -21.25 6.94 Non HT20, 6 to 54 Mbps 4 4 -48.6 -48.5 -48.6 -47.5 -38.2 -21.25 16.95 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 6.26 Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -48.6 -48.5 -48.6 -47.5 -38.2 -21.25 10.95 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 6.26 Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -48.6 -48.5 -48.6 -47.5 -38.2 -21.25 10.95 HT/VHT20, M0 to M7 1 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M8 to M15 2 4 -28.4 -37.3 -39.0 -23.5 -21.25 3.10 HT/VHT20, M8 to M15 3 4 -32.4 -33.3 -39.0 -23.5 -21.25 2.55 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 2.25 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 2.25 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M8 to M15 4 4		HE40, M0 to M9 4ss	4	4	-32.3	-39.9	-44.7	-41.7	-26.9	-21.25	5.69
HE40 Beam Forming, M0 to M9 1ss		HE40 Beam Forming, M0 to M9 1ss	2	7	-32.3	-39.9			-24.5	-21.25	3.29
HE40 Beam Forming, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -25.3 -21.25 4.08 HE40 Beam Forming, M0 to M9 3ss 3 4 -32.3 -39.9 -44.7 -27.3 -21.25 6.08 HE40 Beam Forming, M0 to M9 1ss 4 10 -39.8 -48.3 -45.8 -46.6 -27.7 -21.25 6.44 HE40 Beam Forming, M0 to M9 2ss 4 7 -34.6 -45.4 -48.4 -45.6 -26.7 -21.25 5.47 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -25.9 -21.25 4.69 HE40 Beam Forming, M0 to M9 4ss 4 4 -32.3 -39.9 -44.7 -41.7 -25.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 2 4 -29.1 -33.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 Non HT20, 6 to 54 Mbps 2 4 -33.3 -38.9 -28.2 -21.25 6.94 Non HT20, 6 to 54 Mbps 3 4 -37.9 -45.6 -45.1 -32.5 -21.25 11.26 Non HT20, 6 to 54 Mbps 4 -48.6 -48.5 -48.6 -47.5 -38.2 -21.25 16.95 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 6.26 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 10.95 Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -48.6 -48.5 -48.6 -47.5 -32.2 -21.25 10.95 HT/VHT20, M0 to M7 1 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M8 to M15 2 4 -28.4 -37.3 -23.9 -23.8 -21.25 2.57 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 10.25 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 10.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M8 to M15 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75		HE40 Beam Forming, M0 to M9 2ss	2	4	-29.1	-33.9			-23.8	-21.25	2.54
HE40 Beam Forming, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -25.3 -21.25 4.08 HE40 Beam Forming, M0 to M9 3ss 3 4 -32.3 -39.9 -44.7 -27.3 -21.25 6.08 HE40 Beam Forming, M0 to M9 4ss 4 10 -39.8 -48.3 -45.8 -46.6 -27.7 -21.25 6.44 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.47 HE40 Beam Forming, M0 to M9 3ss 4 5 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 Beam Forming, M0 to M9 4ss 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 2 4 -29.1 -33.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 3 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 4 4 -32.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 4 4 -33.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 4 4 -33.3 -39.9 -44.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 4 4 -33.3 -38.9 -24.7 -41.7 -26.9 -21.25 5.69 HE40 STBC, M0 to M9 2ss 4 4 -33.3 -38.9 -29.2 -21.25 6.94 Non HT20, 6 to 54 Mbps 2 4 -33.3 -38.9 -29.2 -21.25 6.94 Non HT20, 6 to 54 Mbps 3 4 -37.9 -45.6 -45.1 -32.5 -21.25 11.26 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 16.95 Non HT20 Beam Forming, 6 to 54 Mbps 3 9 -37.9 -45.6 -45.1 -27.5 -21.25 6.26 Non HT20 Beam Forming, 6 to 54 Mbps 4 10 -48.6 -48.5 -48.6 -47.5 -32.2 -21.25 10.95 HT/VHT20, M0 to M7 1 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M8 to M15 2 4 -28.4 -37.3 -39.0 -23.8 -21.25 2.57 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 5.75 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 5.75 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -4		HE40 Beam Forming, M0 to M9 1ss	3	9	-34.6	-45.4	-48.4		-25.0	-21.25	3.77
HE40 Beam Forming, M0 to M9 1ss			3	6	-32.3	-39.9	-44.7		-25.3	-21.25	4.08
HE40 Beam Forming, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	3	4	-32.3	-39.9	-44.7		-27.3	-21.25	6.08
HE40 Beam Forming, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 1ss	4	10	-39.8	-48.3	-45.8	-46.6	-27.7	-21.25	6.44
HE40 Beam Forming, M0 to M9 3ss			4	7	-34.6	-45.4	-48.4	-45.6	-26.7	-21.25	5.47
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 4ss	4	4	-32.3	-39.9	-44.7	-41.7	-26.9	-21.25	5.69
HE40 STBC, M0 to M9 2ss		HE40 STBC, M0 to M9 2ss	2	4	-29.1	-33.9			-23.8	-21.25	2.54
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	3	4	-32.3	-39.9	-44.7		-27.3	-21.25	6.08
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	4	4	-32.3	-39.9	-44.7	-41.7	-26.9	-21.25	5.69
Non HT20, 6 to 54 Mbps				_	-	_	_	_	_	-	-
Non HT20, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	1	4	-33.3				-29.2	-21.25	8.00
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps HT/VHT20, M0 to M7 Non HT20, M0 to M15 Non HT20, M10, M10, M10, M10, M10, M10, M10, M1		Non HT20, 6 to 54 Mbps	2	4	-33.3	-38.9			-28.2	-21.25	6.94
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	3	4	-37.9	-45.6	-45.1		-32.5	-21.25	11.26
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	4	4	-48.6	-48.5	-48.6	-47.5	-38.2	-21.25	16.95
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20 Beam Forming, 6 to 54 Mbps	2	7	-37.9	-43.7			-29.8	-21.25	8.59
HT/VHT20, M0 to M7 HT/VHT20, M0 to M7 2 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M8 to M15 2 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M0 to M7 3 4 -35.8 -45.0 -45.2 -30.8 -21.25 9.58 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75		Non HT20 Beam Forming, 6 to 54 Mbps	3	9	-37.9	-45.6	-45.1		-27.5	-21.25	6.26
HT/VHT20, M8 to M15 2 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M0 to M7 3 4 -35.8 -45.0 -45.2 -30.8 -21.25 9.58 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75		Non HT20 Beam Forming, 6 to 54 Mbps	4	10	-48.6	-48.5	-48.6	-47.5	-32.2	-21.25	10.95
HT/VHT20, M8 to M15 2 4 -28.4 -37.3 -23.8 -21.25 2.57 HT/VHT20, M0 to M7 3 4 -35.8 -45.0 -45.2 -30.8 -21.25 9.58 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75	20	HT/VHT20, M0 to M7	1	4	-28.4				-24.3	-21.25	3.10
HT/VHT20, M0 to M7 3 4 -35.8 -45.0 -45.2 -30.8 -21.25 9.58 HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75	53,	HT/VHT20, M0 to M7	2	4	-28.4	-37.3			-23.8	-21.25	2.57
HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75		HT/VHT20, M8 to M15	2	4	-28.4	-37.3			-23.8	-21.25	2.57
HT/VHT20, M8 to M15 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75		·					-45.2				
HT/VHT20, M16 to M23 3 4 -28.4 -37.3 -39.0 -23.5 -21.25 2.25 HT/VHT20, M0 to M7 4 4 -44.9 -48.6 -48.9 -49.6 -37.5 -21.25 16.25 HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75		HT/VHT20, M8 to M15	3	4	-28.4	-37.3	-39.0		-23.5	-21.25	2.25
HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75			3	4			-39.0				
HT/VHT20, M8 to M15 4 4 -32.1 -42.9 -41.8 -43.0 -27.0 -21.25 5.75		HT/VHT20, M0 to M7	4	4	-44.9	-48.6	-48.9	-49.6	-37.5	-21.25	16.25
		HT/VHT20, M8 to M15	4	4	-32.1	-42.9	-41.8	-43.0	-27.0	-21.25	5.75
		HT/VHT20, M16 to M23	4	4							

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	HT/VHT20, M24 to M31	4	4	-32.1	-42.9	-41.8	-43.0	-27.0	-21.25	5.75
	HT/VHT20 Beam Forming, M0 to M7	2	7	-35.8	-45.0			-28.3	-21.25	7.00
	HT/VHT20 Beam Forming, M8 to M15	2	4	-28.4	-37.3			-23.8	-21.25	2.57
	HT/VHT20 Beam Forming, M0 to M7	3	9	-35.8	-45.0	-45.2		-25.8	-21.25	4.58
	HT/VHT20 Beam Forming, M8 to M15	3	6	-32.1	-42.9	-41.8		-25.3	-21.25	4.04
	HT/VHT20 Beam Forming, M16 to M23	3	4	-28.4	-37.3	-39.0		-23.5	-21.25	2.25
	HT/VHT20 Beam Forming, M0 to M7	4	10	-44.9	-48.6	-48.9	-49.6	-31.5	-21.25	10.25
	HT/VHT20 Beam Forming, M8 to M15	4	7	-35.8	-45.0	-45.2	-46.5	-27.5	-21.25	6.29
	HT/VHT20 Beam Forming, M16 to M23	4	5	-32.1	-42.9	-41.8	-43.0	-26.0	-21.25	4.75
	HT/VHT20 Beam Forming, M24 to M31	4	4	-32.1	-42.9	-41.8	-43.0	-27.0	-21.25	5.75
	HT/VHT20 STBC, M0 to M7	2	4	-28.4	-37.3			-23.8	-21.25	2.57
	HT/VHT20 STBC, M0 to M7	3	4	-28.4	-37.3	-39.0		-23.5	-21.25	2.25
	HT/VHT20 STBC, M0 to M7	4	4	-32.1	-42.9	-41.8	-43.0	-27.0	-21.25	5.75
	HE20, M0 to M9 1ss	1	4	-31.8				-27.7	-21.25	6.48
	HE20, M0 to M9 1ss	2	4	-31.8	-36.8			-26.5	-21.25	5.29
	HE20, M0 to M9 2ss	2	4	-31.8	-36.8			-26.5	-21.25	5.29
	HE20, M0 to M9 1ss	3	4	-34.4	-43.1	-44.7		-29.4	-21.25	8.19
	HE20, M0 to M9 2ss	3	4	-31.8	-36.8	-39.5		-26.0	-21.25	4.76
	HE20, M0 to M9 3ss	3	4	-31.8	-36.8	-39.5		-26.0	-21.25	4.76
	HE20, M0 to M9 1ss	4	4	-42.5	-47.1	-47.6	-48.4	-35.6	-21.25	14.37
	HE20, M0 to M9 2ss	4	4	-34.4	-43.1	-44.7	-43.8	-29.1	-21.25	7.80
	HE20, M0 to M9 3ss	4	4	-34.4	-43.1	-44.7	-43.8	-29.1	-21.25	7.80
	HE20, M0 to M9 4ss	4	4	-34.4	-43.1	-44.7	-43.8	-29.1	-21.25	7.80
	HE20 Beam Forming, M0 to M9 1ss	2	7	-34.4	-43.1			-26.8	-21.25	5.53
	HE20 Beam Forming, M0 to M9 2ss	2	4	-31.8	-36.8			-26.5	-21.25	5.29
	HE20 Beam Forming, M0 to M9 1ss	3	9	-35.9	-45.9	-45.9		-26.0	-21.25	4.79
	HE20 Beam Forming, M0 to M9 2ss	3	6	-34.4	-43.1	-44.7		-27.4	-21.25	6.19
	HE20 Beam Forming, M0 to M9 3ss	3	4	-31.8	-36.8	-39.5		-26.0	-21.25	4.76
	HE20 Beam Forming, M0 to M9 1ss	4	10	-42.5	-47.1	-47.6	-48.4	-29.6	-21.25	8.37
	HE20 Beam Forming, M0 to M9 2ss	4	7	-35.9	-45.9	-45.9	-47.7	-27.8	-21.25	6.56
	HE20 Beam Forming, M0 to M9 3ss	4	5	-34.4	-43.1	-44.7	-43.8	-28.1	-21.25	6.80
	HE20 Beam Forming, M0 to M9 4ss	4	4	-34.4	-43.1	-44.7	-43.8	-29.1	-21.25	7.80
	HE20 STBC, M0 to M9 2ss	2	4	-31.8	-36.8			-26.5	-21.25	5.29
	HE20 STBC, M0 to M9 2ss	3	4	-31.8	-36.8	-39.5		-26.0	-21.25	4.76
	HE20 STBC, M0 to M9 2ss	4	4	-34.4	-43.1	-44.7	-43.8	-29.1	-21.25	7.80
	Non HT160, 6 to 54 Mbps	1	4	-31.9				-27.8	-21.25	6.60
	Non HT160, 6 to 54 Mbps	2	4	-31.9	-37.8			-26.9	-21.25	5.61
5250	Non HT160, 6 to 54 Mbps	3	4	-34.8	-42.3	-40.1		-29.1	-21.25	7.82
52	Non HT160, 6 to 54 Mbps	4	4	-34.8	-42.3	-40.1	-40.5	-28.3	-21.25	7.09
	VHT160, M0 to M9 1ss	1	4	-27.1				-23.0	-21.25	1.80
	VHT160, M0 to M9 1ss	2	4	-27.1	-33.7			-22.2	-21.25	0.94

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VHT160, M0 to M9 2ss	2	4	-27.1	-33.7			-22.2	-21.25	0.94
VHT160, M0 to M9 1ss	3	4	-30.1	-35.8	-34.9		-24.0	-21.25	2.75
VHT160, M0 to M9 2ss	3	4	-30.1	-35.8	-34.9		-24.0	-21.25	2.75
VHT160, M0 to M9 3ss	3	4	-30.1	-35.8	-34.9		-24.0	-21.25	2.75
VHT160, M0 to M9 1ss	4	4	-30.1	-35.8	-34.9	-34.3	-23.1	-21.25	1.83
VHT160, M0 to M9 2ss	4	4	-30.1	-35.8	-34.9	-34.3	-23.1	-21.25	1.83
VHT160, M0 to M9 3ss	4	4	-30.1	-35.8	-34.9	-34.3	-23.1	-21.25	1.83
VHT160, M0 to M9 4ss	4	4	-30.1	-35.8	-34.9	-34.3	-23.1	-21.25	1.83
VHT160 Beam Forming, M0 to M9 1ss	2	7	-30.1	-35.8			-22.0	-21.25	0.76
VHT160 Beam Forming, M0 to M9 2ss	2	4	-27.1	-33.7			-22.2	-21.25	0.94
VHT160 Beam Forming, M0 to M9 1ss	3	9	-32.9	-37.4	-37.0		-21.4	-21.25	0.18
VHT160 Beam Forming, M0 to M9 2ss	3	6	-30.1	-35.8	-34.9		-22.0	-21.25	0.75
VHT160 Beam Forming, M0 to M9 3ss	3	4	-30.1	-35.8	-34.9		-24.0	-21.25	2.75
VHT160 Beam Forming, M0 to M9 1ss	4	10	-36.7	-38.8	-39.1	-39.8	-22.4	-21.25	1.11
VHT160 Beam Forming, M0 to M9 2ss	4	7	-32.9	-37.4	-37.0	-36.7	-22.5	-21.25	1.25
VHT160 Beam Forming, M0 to M9 3ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
VHT160 Beam Forming, M0 to M9 4ss	4	4	-30.1	-35.8	-34.9	-34.3	-23.1	-21.25	1.83
VHT160 STBC, M0 to M9 1ss	2	4	-27.1	-33.7			-22.2	-21.25	0.94
VHT160 STBC, M0 to M9 1ss	3	4	-30.1	-35.8	-34.9		-24.0	-21.25	2.75
VHT160 STBC, M0 to M9 1ss	4	4	-30.1	-35.8	-34.9	-34.3	-23.1	-21.25	1.83
HE160, M0 to M9 1ss	1	4	-32.2				-28.1	-21.25	6.88
HE160, M0 to M9 1ss	2	4	-32.2	-39.4			-27.4	-21.25	6.12
HE160, M0 to M9 2ss	2	4	-32.2	-39.4			-27.4	-21.25	6.12
HE160, M0 to M9 1ss	3	4	-32.2	-39.4	-38.7		-26.6	-21.25	5.38
HE160, M0 to M9 2ss	3	4	-32.2	-39.4	-38.7		-26.6	-21.25	5.38
HE160, M0 to M9 3ss	3	4	-32.2	-39.4	-38.7		-26.6	-21.25	5.38
HE160, M0 to M9 1ss	4	4	-32.2	-39.4	-38.7	-36.4	-25.6	-21.25	4.34
HE160, M0 to M9 2ss	4	4	-32.2	-39.4	-38.7	-36.4	-25.6	-21.25	4.34
HE160, M0 to M9 3ss	4	4	-32.2	-39.4	-38.7	-36.4	-25.6	-21.25	4.34
HE160, M0 to M9 4ss	4	4	-32.2	-39.4	-38.7	-36.4	-25.6	-21.25	4.34
HE160 Beam Forming, M0 to M9 1ss	2	7	-36.0	-42.3			-28.0	-21.25	6.77
HE160 Beam Forming, M0 to M9 2ss	2	4	-32.2	-39.4			-27.4	-21.25	6.12
HE160 Beam Forming, M0 to M9 1ss	3	9	-40.0	-44.0	-43.2		-28.2	-21.25	6.95
HE160 Beam Forming, M0 to M9 2ss	3	6	-36.0	-42.3	-41.6		-28.1	-21.25	6.89
HE160 Beam Forming, M0 to M9 3ss	3	4	-32.2	-39.4	-38.7		-26.6	-21.25	5.38
HE160 Beam Forming, M0 to M9 1ss	4	10	-43.3	-46.0	-46.1	-45.8	-29.0	-21.25	7.79
HE160 Beam Forming, M0 to M9 2ss	4	7	-40.0	-44.0	-43.2	-41.9	-28.9	-21.25	7.66
HE160 Beam Forming, M0 to M9 3ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88
HE160 Beam Forming, M0 to M9 4ss	4	4	-32.2	-39.4	-38.7	-36.4	-25.6	-21.25	4.34
HE160 STBC, M0 to M9 1ss	2	4	-32.2	-39.4			-27.4	-21.25	6.12
HE160 STBC, M0 to M9 1ss	3	4	-32.2	-39.4	-38.7		-26.6	-21.25	5.38
HE160 STBC, M0 to M9 1ss	4	4	-32.2	-39.4	-38.7	-36.4	-25.6	-21.25	4.34

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Conducted Bandedge Peak, 5250 MHz, VHT160 Beam Forming, M0 to M9 1ss





Antenna A

Antenna B



Antenna C



Appendix B: Radiated & AC Conducted Emissions Test Results Testing done by outsite laboratory.

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Appendix C: List of Test Equipment Used to perform the test

	Tes	st Equipment used for Radiated Emission	ons		
Equip#	Manufacturer/ Model	Description	Last Cal	Next Cal	Test Item
57476	Cisco	Automation Test Insertion Loss	NA	NA	A1-A7
50721	Keysight N9030A-550	PXA Signal Analyzer, 3Hz to 50GHz	15 Mar 2019	15 Mar 2020	A1-A7
55094	NI PXI-1042	CHASSIS, PXI	NA	NA	A1-A7
57237	NI PXI-8115	Embedded Controller	NA	NA	A1-A7
54686	NI PXI-2796	40 GHz Dual 6x1 Multiplexer (SP6T)	NA	NA	A1-A7
57245	NI PXI-2799	Switch 1x1	NA	NA	A1-A7
56091	NI PXI-2796	40 GHz Dual 6x1 Multiplexer (SP6T)	NA	NA	A1-A7
7329	Omega CT485B	Chart recorder	18 Feb 2019	18 Feb 2020	A1-A7
56328	Pasternack PE5019-1	Torque wrench	14 Feb 2019	14 Feb 2020	A1-A7
56329	Pasternack PE5019-1	Torque wrench	28 Feb 2019	28 Feb 2020	A1-A7
56330	Pasternack PE5019-1	Torque wrench	28 Feb 2019	28 Feb 2020	A1-A7
				T	

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Appendix D: Abbreviation Key and Definitions

The following table defines abbreviations used within this test report.

Abbreviation	Description	Abbreviation	Description
EMC	Electro Magnetic Compatibility	°F	Degrees Fahrenheit
EMI	Electro Magnetic Interference	°C	Degrees Celsius
EUT	Equipment Under Test	Temp	Temperature
ITE	Information Technology Equipment	S/N	Serial Number
TAP	Test Assessment Schedule	Qty	Quantity
ESD	Electro Static Discharge	emf	Electromotive force
EFT	Electric Fast Transient	RMS	Root mean square
EDCS	Engineering Document Control System	Qp	Quasi Peak
Config	Configuration	Av	Average
CIS#	Cisco Number (unique identification number for Cisco test equipment)	Pk	Peak
Cal	Calibration	kHz	Kilohertz (1x10 ³)
EN	European Norm	MHz	MegaHertz (1x10 ⁶)
IEC	International Electro technical Commission	GHz	Gigahertz (1x10 ⁹)
CISPR	International Special Committee on Radio Interference	Н	Horizontal
CDN	Coupling/Decoupling Network	V	Vertical
LISN	Line Impedance Stabilization Network	dB	decibel
PE	Protective Earth	V	Volt
GND	Ground	kV	Kilovolt (1x10 ³)
L1	Line 1	μV	Microvolt (1x10 ⁻⁶)
L2	Line2	A	Amp
L3	Line 3	μА	Micro Amp (1x10 ⁻⁶)
DC	Direct Current	mS	Milli Second (1x10 ⁻³)
RAW	Uncorrected measurement value, as indicated by the measuring device	μS	Micro Second (1x10 ⁻⁶)
RF	Radio Frequency	μS	Micro Second (1x10 ⁻⁶)
SLCE	Signal Line Conducted Emissions	m	Meter
Meas dist	Measurement distance	Spec dist	Specification distance
N/A or NA	Not Applicable	SL	Signal Line (or Telecom Line)
Р	Power Line	Ļ	Live Line
N	Neutral Line	R	Return
S	Supply	AC	Alternating Current

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Appendix E: Photographs of Test Setups

Please refer to the attachment

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Appendix F: Software Used to Perform Testing

Cisco Internal LabView Radio Test Automation Software rev57

Appendix G: Test Procedures

Measurements were made in accordance with

- KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- KDB 662911 MIMO
- ANSI C63.4 2014 Unintentional Radiators
- ANSI C63.10 2013 Intentional Radiators

Test procedures are summarized below:

FCC 5GHz Test Procedures	EDCS # 1445048
FCC 5GHz RSE Test Procedures	EDCS # 1511600

Appendix H: Scope of Accreditation (A2LA certificate number 1178-01)

The scope of accreditation of Cisco Systems, Inc. can be found on the A2LA web page at:

http://www.a2la.org/scopepdf/1178-01.pdf

Appendix I: Test Assessment Plan

Target Power Tables EDCS# 18087112

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Appendix J: UUT Software Info

APA453.0E7B.CD60#
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Cisco AP Software, (ap1g7), [cheetah-build6:/san2/BUILD/workspace/Nightly-Cheetah-axel-bcm-mfg-c8_10_throttle] Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2019 by Cisco Systems, Inc. Compiled Wed Aug 21 08:08:55 PDT 2019

ROM: Bootstrap program is U-Boot boot loader BOOTLDR: U-Boot boot loader Version

APA453.0E7B.CD60 uptime is 0 days, 0 hours, 4 minutes Last reload time : Wed Aug 21 08:11:07 UTC 2019

Last reload reason : unknown

cisco C9120AXE-B with 1813676/1039368K bytes of memory.

Processor board ID 0

AP Running Image : 8.8.1.10
Primary Boot Image : 8.8.1.10
Backup Boot Image : 0.0.0.0
Primary Boot Image Hash:
Backup Boot Image Hash:
1 Gigabit Ethernet interfaces

2 802.11 Radios

Radio Driver version: 17.10 RC77.13

Radio FW version: 1268.14948.r14702 14702

NSS FW version: NA

Base ethernet MAC Address : A4:53:0E:7B:CD:60

Part Number : 0-000000-00

PCA Assembly Number : 800-105708-01

PCA Revision Number : 09

PCB Serial Number : FOC23302F06 Top Assembly Part Number : 800-105708-01

Top Assembly Serial Number : 0
Top Revision Number : 09

Product/Model Number : C9120AXE-B

APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60#devs

EXITING CISCO SHELL. PLEASE EXECUTE EXIT IN DEVSHELL TO GET BACK TO CISCO SHELL.

BusyBox v1.29.3 () built-in shell (ash)

Welcome to Cisco.

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```
Usage of this device is governed by Cisco's End User License Agreement,
available at:
http://www.cisco.com/c/en/us/td/docs/general/warranty/English/EU1KEN_.html.
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cat MERAKI_BUILD.extra
Wed Aug 21 08:08:55 PDT 2019
cheetah-build6
/san2/BUILD/workspace/Nightly-Cheetah-axel-bcm-mfg-c8_10_throttle
* (HEAD detached at 0b10909464)
svn base: 0b109094643143e6e3f14a2245747dc261b56619
commit: 0b109094643143e6e3f14a2245747dc261b56619
tree e30cd20c3ac842da790e18e92fa6ccadb2437fc6
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# show_cookie
Part Number
                         : 0-000000-00
Board Revision
                          : 00
PCB Serial Number
                            : FOC23302F06
PCB Fab Part Number
                              : 0-000000-00
Deviation Number
                           : 0
MAC Address
                          : A4:53:0E:7B:CD:60
MAC Address Block Size
                              : 4
Radio 0 MAC Address
                             : D4:AD:BD:A2:1B:00
Radio 0 MAC Address Block Size : 16
Radio 1 MAC Address
                            : D4:AD:BD:A2:1B:10
Radio 1 MAC Address Block Size
                                 : 16
PCA Assembly Number
                              : 800-105708-01
PCA Revision Number
                             : 09
Product/Model Number
                             : C9120AXE-B
Top Assembly Part Number
                               : 800-105708-01
Top Revision Number
                             : 09
Top Assembly Serial Number
                               : 0
                           : 00
RMA Test History
RMA History
                         : 00
                           : 00-00-00-00
RMA Number
Device Type
                         : 4C
Max Association Allowed
                             : 2
Radio(2.4G) Carrier Set
                            : 0000
Radio(2.4G) Max Transmit Power Level: 100
Radio(2.4G) Antenna Diversity Support: 01
Radio(2.4G) Encryption Ability
                              : 0002
Radio(5G) Carrier Set
                            : 0029
Radio(5G) Max Transmit Power Level : 100
Radio(5G) Antenna Diversity Support: 01
Radio(5G) Encryption Ability
                              : 0002
Radio(802.11g) Radio Mode
                               : 255
PEP Product Identifier (PID)
                             : C9120AXE-B
PEP Version Identifier (VID)
                             : V01
System Flags
                          : 00
Controller Type
                         : 0000
```



```
Host Controller Type
                            : 0000
Mfr Service Date
                           : 2019.08.03-47:59:59
Radio(49) Carrier Set
                           : 0000
Radio(49) Max Transmit Power Level : 0
Radio(49) Antenna Diversity Support: 00
Radio(49) Encryption Ability
                              : 0000
Radio(58) Carrier Set
                            : 0029
Radio(58) Max Transmit Power Level : 100
Radio(58) Antenna Diversity Support: 01
Radio(58) Encryption Ability
                             : 0002
ACT2 ID
                         : C9120
Static AP Mode
                           : 0
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cat /storage/rxtx_mode
tx
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cd /usr/bin/bcm/mfg
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg# ./dfstool.lua
Vanc dfstool
BOARD: Axel BCM !!!!!!
Display config:
wl -i apr0v0 status | head -3
"SSID: "MFG-2GTEST"
                                                 noise: -97 dBm
Mode: Managed RSSI: 0 dBm
                                 SNR: 0 dB
                                                                  Channel: 1
BSSID: D4:AD:BD:A2:1B:00
                                 Capability: ESS ShortSlot "
Display config:
wl -i apr1v0 status | head -3
"SSID: "MFG-5GTEST"
Mode: Managed RSSI: 0 dBm
                                 SNR: 0 dB
                                                 noise: -96 dBm
                                                                  Channel: 36
                                 Capability: ESS "
BSSID: D4:AD:BD:A2:1B:0F
show_carrier_cookies | grep -o '..$'
rc:result="41"
wl -i apr1v0 country US
wl -i apr0v0 country US
line=""
line=""
line=""
line=""
                                            Page No: 99 of 101
```



```
line=""
>do0 stop
line="do0 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do0 stop"
interface="0"
stop_option="stop"
wl -i apr0v0 pkteng_status | awk -F'[, ]' '{print $3}'
main:result="0"
1601792112 (0x5f796870)
line=""
line=""
line=""
>do1 stop
line="do1 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do1 stop"
interface="1"
stop_option="stop"
wl -i apr1v0 pkteng_status | awk -F'[, ]' '{print $3}'
main:result="0"
1601792112 (0x5f796870)
line=""
line=""
line=""
>do4 stop
line="do4 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do4 stop"
interface="4"
stop option="stop"
[08/21/2019 08:15:55.2970] NXP-RHL-Driver 0001:01:00.0: xcvr[0], swcmd 0x23 done
[08/21/2019 08:15:55.4770] NXP-RHL-Driver 0001:01:00.0: xcvr[0], swcmd 0x4 done
[08/21/2019 08:15:55.5600] NXP-RHL-Driver 0001:01:00.0: VSPA FW :: FN = dcr.eld
line=""
line=""
                                              Page No: 100 of 101
```



line="" > line=""

End



Test Report

C9120AXE-x

(x=B)

Cisco Catalyst C9120AX Series 802.11ax Access Point

Main 5GHz Radio + 5dBi Antenna

FCC ID: LDKEDAC92157

5250-5350 MHz

Against the following Specifications:

CFR47 Part 15.407



Cisco Systems

170 West Tasman Drive San Jose, CA 95134

Author: Chris Blair
Tested By: Chris Blair
Tested By: Chris Blair
Tested By: Chris Blair
Title: Radio Compliance Manager
Revision: See EDCS

This report replaces any previously entered test report under EDCS – **18315840**. This test report has been electronically authorized and archived using the CISCO Engineering Document Control system. Test Report Template EDCS# 11644123.

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This test report has been electronically authorized and archived using the CISCO Engineering Document Control system.

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Radio Test Report No: **EDCS – 18315840**



Section 1: Overview

The samples were assessed against the tests detailed in section 3 under the requirements of the following specifications:

Specifications:	
CFR47 Part 15.407	

Radio Test Report No: EDCS - 18315840



Section 2: Assessment Information

2.1 General

This report contains an assessment of an apparatus against Electromagnetic Compatibility Standards based upon tests carried out on the samples submitted. The testing was performed by and for the use of Cisco systems Inc:

With regard to this assessment, the following points should be noted:

- a) The results contained in this report relate only to the items tested and were obtained in the period between the date of the initial assessment and the date of issue of the report. Manufactured products will not necessarily give identical results due to production and measurement tolerances.
- b) The apparatus was set up and exercised using the configuration and modes of operation defined in this report only.
- c) Where relevant, the apparatus was only assessed using the susceptibility criteria defined in this report and the Test Assessment Plan (TAP).
- d) All testing was performed under the following environmental conditions:

Temperature 15°C to 35°C (54°F to 95°F)

Atmospheric Pressure 860mbar to 1060mbar (25.4" to 31.3")

Humidity 10% to 75*%

Units of Measurement

The units of measurements defined in the appendices are reported in specific terms, which are test dependent. Where radiated measurements are concerned these are defined at a particular distance. Basic voltage measurements are defined in units of [dBuV]

As an example, the basic calculation for all measurements is as follows:

Emission level [dBuV] = Indicated voltage level [dBuV] + Cable Loss [dB] + Other correction factors [dB] The combinations of correction factors are dependent upon the exact test configurations [see test equipment lists for further details] and may include:-

Antenna Factors, Pre Amplifier Gain, LISN Loss, Pulse Limiter Loss and Filter Insertion Loss Note: to convert the results from dBuV/m to uV/m use the following formula:-

Level in uV/m = Common Antilogarithm [(X dBuV/m)/20] = Y uV/m



Measurement Uncertainty Values

voltage and power measurements	± 2 dB
conducted EIRP measurements	± 1.4 dB
radiated measurements	± 3.2 dB
frequency measurements	± 2.4 10-7
temperature measurements	± 0.54°
humidity measurements	± 2.3%
DC and low frequency measurements	± 2.5%

Where relevant measurement uncertainty levels have been estimated for tests performed on the apparatus. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Radiated emissions (expanded uncertainty, confidence interval 95%)

30 MHz - 300 MHz	+/- 3.8 dB
300 MHz - 1000 MHz	+/- 4.3 dB
1 GHz - 10 GHz	+/- 4.0 dB
10 GHz - 18GHz	+/- 8.2 dB
18GHz - 26.5GHz	+/- 4.1 dB
26.5GHz - 40GHz	+/- 3.9 dB

Conducted emissions (expanded uncertainty, confidence interval 95%)

A product is considered to comply with a requirement if the nominal measured value is below the limit line. The product is considered to not be in compliance in case the nominal measured value is above the limit line.

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2.2 Date of testing

30-Aug-19 - 15-Sep-19

2.3 Report Issue Date

7-Oct-2019

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2.4 Testing facilities

This assessment was performed by: Chris Blair & Julian Land

Testing Laboratory

Cisco Systems, Inc. 125 West Tasman Drive (Building P) San Jose, CA 95134 USA

Headquarters

Cisco Systems, Inc., 170 West Tasman Drive San Jose, CA 95134, USA

Registration Numbers for Industry Canada

Cisco System Site	Address	Site Identifier
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	San Jose, CA 95134	
Building I, 5m Chamber	285 W. Tasman Drive	Company #: 2461M-1
	San Jose, California 95134	
Building 7, 5m Chamber	425 E. Tasman Drive	Company #: 2461N-3
	San Jose, California 95134	

Test Engineers

Chris Blair



2.5 Equipment Assessed (EUT)

C9120AXE-B

2.6 EUT Description

The radio supports the following modes of operation. The modes are further defined in the radio Theory of Operation. The modes included in this report represent the worst case data for all modes.

```
802.11a - Non HT20, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Four Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Four Antennas, 6 to 54 Mbps, 1ss
802.11n/ac - HT/VHT20, One Antenna, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT20 Beam Forming, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT20 STBC, Two Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT20 STBC, Three Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT20 STBC, Four Antennas, M0 to M7, 2ss
802.11b - HE20, One Antenna, M0 to M9 1ss
802.11b - HE20, Two Antennas, M0 to M9 1ss
802.11b - HE20, Two Antennas, M0 to M9 2ss
802.11b - HE20, Three Antennas, M0 to M9 1ss
802.11b - HE20, Three Antennas, M0 to M9 2ss
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802.11b - HE20, Three Antennas, M0 to M9 3ss



```
802.11b - HE20, Four Antennas, M0 to M9 1ss
802.11b - HE20, Four Antennas, M0 to M9 2ss
802.11b - HE20, Four Antennas, M0 to M9 3ss
802.11b - HE20, Four Antennas, M0 to M9 4ss
802.11b - HE20 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE20 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE20 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE20 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT40, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Four Antennas, 6 to 54 Mbps, 1ss
802.11n/ac - HT/VHT40, One Antenna, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT40 Beam Forming, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M24 to M31, 4ss
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802.11n/ac - HT/VHT40 STBC, Two Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT40 STBC, Three Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT40 STBC, Four Antennas, M0 to M7, 2ss
802.11b - HE40, One Antenna, M0 to M9 1ss
802.11b - HE40, Two Antennas, M0 to M9 1ss
802.11b - HE40, Two Antennas, M0 to M9 2ss
802.11b - HE40, Three Antennas, M0 to M9 1ss
802.11b - HE40, Three Antennas, M0 to M9 2ss
802.11b - HE40, Three Antennas, M0 to M9 3ss
802.11b - HE40, Four Antennas, M0 to M9 1ss
802.11b - HE40, Four Antennas, M0 to M9 2ss
802.11b - HE40. Four Antennas. M0 to M9 3ss
802.11b - HE40, Four Antennas, M0 to M9 4ss
802.11b - HE40 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE40 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE40 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE40 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT80, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Four Antennas, 6 to 54 Mbps, 1ss
802.11ac - VHT80, One Antenna, M0 to M9 1ss
802.11ac - VHT80, Two Antennas, M0 to M9 1ss
802.11ac - VHT80, Two Antennas, M0 to M9 2ss
802.11ac - VHT80, Three Antennas, M0 to M9 1ss
802.11ac - VHT80, Three Antennas, M0 to M9 2ss
802.11ac - VHT80. Three Antennas, M0 to M9 3ss
802.11ac - VHT80, Four Antennas, M0 to M9 1ss
802.11ac - VHT80, Four Antennas, M0 to M9 2ss
802.11ac - VHT80, Four Antennas, M0 to M9 3ss
802.11ac - VHT80, Four Antennas, M0 to M9 4ss
802.11ac - VHT80 Beam Forming, Two Antennas, M0 to M9 1ss
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802.11ac - VHT80 Beam Forming, Two Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 3ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 3ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 4ss
802.11ac - VHT80 STBC, Two Antennas, M0 to M9 2ss
802.11ac - VHT80 STBC, Three Antennas, M0 to M9 2ss
802.11ac - VHT80 STBC, Four Antennas, M0 to M9 2ss
802.11b - HE80. One Antenna. M0 to M9 1ss
802.11b - HE80, Two Antennas, M0 to M9 1ss
802.11b - HE80, Two Antennas, M0 to M9 2ss
802.11b - HE80, Three Antennas, M0 to M9 1ss
802.11b - HE80, Three Antennas, M0 to M9 2ss
802.11b - HE80, Three Antennas, M0 to M9 3ss
802.11b - HE80, Four Antennas, M0 to M9 1ss
802.11b - HE80, Four Antennas, M0 to M9 2ss
802.11b - HE80, Four Antennas, M0 to M9 3ss
802.11b - HE80, Four Antennas, M0 to M9 4ss
802.11b - HE80 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE80 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE80 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE80 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT20, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT160, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Four Antennas, 6 to 54 Mbps, 1ss
802.11ac - VHT160, One Antenna, M0 to M9 1ss
802.11ac - VHT160, Two Antennas, M0 to M9 1ss
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802.11ac - VHT160, Two Antennas, M0 to M9 2ss
802.11ac - VHT160, Three Antennas, M0 to M9 1ss
802.11ac - VHT160, Three Antennas, M0 to M9 2ss
802.11ac - VHT160, Three Antennas, M0 to M9 3ss
802.11ac - VHT160, Four Antennas, M0 to M9 1ss
802.11ac - VHT160, Four Antennas, M0 to M9 2ss
802.11ac - VHT160, Four Antennas, M0 to M9 3ss
802.11ac - VHT160, Four Antennas, M0 to M9 4ss
802.11ac - VHT160 Beam Forming, Two Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Two Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 3ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 3ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 4ss
802.11ac - VHT160 STBC, Two Antennas, M0 to M9 2ss
802.11ac - VHT160 STBC, Three Antennas, M0 to M9 2ss
802.11ac - VHT160 STBC, Four Antennas, M0 to M9 2ss
802.11b - HE160, One Antenna, M0 to M9 1ss
802.11b - HE160, Two Antennas, M0 to M9 1ss
802.11b - HE160, Two Antennas, M0 to M9 2ss
802.11b - HE160, Three Antennas, M0 to M9 1ss
802.11b - HE160, Three Antennas, M0 to M9 2ss
802.11b - HE160, Three Antennas, M0 to M9 3ss
802.11b - HE160, Four Antennas, M0 to M9 1ss
802.11b - HE160, Four Antennas, M0 to M9 2ss
802.11b - HE160, Four Antennas, M0 to M9 3ss
802.11b - HE160, Four Antennas, M0 to M9 4ss
802.11b - HE160 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE160 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE160 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE160 STBC, Four Antennas, M0 to M9 2ss
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The following antennas are supported by this product series.

The data included in this report represent the worst case data for all antennas.

-	Deat Name Lan	• w -	Antenna Gain
Frequency	Part Number	Antenna Type	(dBi)
	-E SKU		
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DB-R/=	Black, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DG-R/=	Gray, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DW-R/=	White, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 3dBi/5 GHz 5 dBi Low Profile	3dBi@2.4GHz
	AIR-ANT2535SDW-R	Antenna, White, connectors RP-TNC	5dBi@5GHz
2.4GHz&5GHz		2.4 GHz 6 dBi/5 GHz 6 dBi Directionnel	6dBi@2.4GHz
	AIR-ANT2566P4W-R=	Ant., 4-port, connectors RP-TNC	6dBi@5GHz
2.4GHz&5GHz		2.4GHz 2 dBi/5GHz 4 dBi Ceiling Mount	2dBi@2.4GHz
	AIR-ANT2524V4C-R=	Omni Ant., 4-port, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4GHz 4 dBi/5GHz 4 dBi Wall Mount	4dBi@2.4GHz
	AIR-ANT2544V4M-R=	Omni Ant., 4-port, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 6 dBi/5 GHz 6 dBi 60 Deg. Patch	6dBi@2.4GHz
	AIR-ANT2566D4M-R=	Ant., 4-port, RP-TNC	6dBi@5GHz



Section 3: Result Summary

3.1 Results Summary Table

Conducted emissions

Basic Standard	Technical Requirements / Details	Result
15.407	99% & 26 dB Bandwidth: The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. There is no limit for 99% OBW. The 26 dB emission is the width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and	Pass
	lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.	
15.407	Output Power: For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission	Pass
	bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
15.407	Power Spectral Density The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	Pass
15.407	Conducted Spurious Emissions / Band-Edge: 2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.	Pass
15.407 15.205 15.209	Restricted band: Unwanted emissions must comply with the general field strength limits set forth in §15.209.	Pass

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Radio Test Report No: **EDCS – 18315840**



Radiated Emissions (General requirements)

Basic Standard	Technical Requirements / Details	Result
15.407 15.205 15.209	TX Spurious Emissions: Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the field strength limits table in this section.	Not Tested
15.207	AC conducted Emissions: U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.	Not Tested



Section 4: Sample Details

Note: Each sample was evaluated to ensure that its condition was suitable to be used as a test sample prior to the commencement of testing.

4.1 Sample Details

Sample No.	Equipment Details	Manufacturer	Hardware Rev.	Firmware Rev.	Software Rev.	Serial Number
S01	C9120AXE-B	Foxconn	P2-2	1268.14948.r 14702 14702	Cisco AP Software, (ap1g7), [cheetah-build6:/san2/ BUILD/workspace/Nig htly-Cheetah-axel-bcm -mfg-c8_10_throttle] Compiled Wed Aug 21 08:08:55 PDT 2019	FOC23302F06

4.2 System Details

System #	Description	Samples
1	C9120AXE-B	S01

4.3 Mode of Operation Details

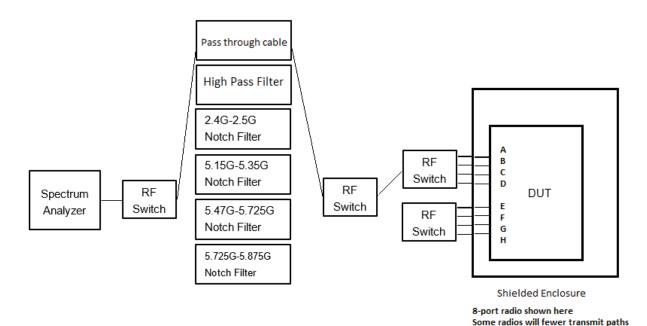
Mode#	Description	Comments
4	Continuously	Constant duty evolo
'	Transmitting	Constant duty cycle

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Appendix A: Emission Test Results

Conducted Test Setup Diagram



Target Maximum Channel Power

The following table details the maximum supported Total Channel Power for all operating modes.

	Maximum Channel Power			er
	(dBm) Frequency (MHz)			
		Frequen	cy (IVIHZ)	
Operating Mode	5250			
Non HT160, 6 to 54 Mbps	15			
VHT160, M0 to M9, M0 to M9 1-2ss	16			
VHT160 Beam Forming, M0 to M9, M0 to M9 1-2ss	16			
VHT160 STBC, M0 to M9 1ss	16			
HE160, M0 to M9, M0 to M9 1-2ss	17			
HE160 Beam Forming, M0 to M9, M0 to M9 1-2ss	17			
HE160 STBC, M0 to M9 1ss	17			
	5260	5300	5320	
Non HT20, 6 to 54 Mbps	19	19	19	
Non HT20 Beam Forming, 6 to 54 Mbps	19	19	18	
HT/VHT20, M0 to M31	22	22	21	
HT/VHT20 Beam Forming, M0 to M31	22	22	21	
HT/VHT20 STBC, M0 to M7	20	20	19	
HE20, M0 to M9, M0 to M9 1-2ss	22	22	20	

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HE20 Beam Forming, M0 to M9, M0 to M9 1-2ss	22	22	20	
HE20 STBC, M0 to M9 2ss	21	21	20	
	5270	5310		
Non HT40, 6 to 54 Mbps	21	18		
HT/VHT40, M0 to M31	23	19		
HT/VHT40 Beam Forming, M0 to M31	23	19		
HT/VHT40 STBC, M0 to M7	22	19		
HE40, M0 to M9, M0 to M9 1-2ss	23	18		
HE40 Beam Forming, M0 to M9, M0 to M9 1-2ss	23	18		
HE40 STBC, M0 to M9 2ss	22	18		
	5290			
Non HT80, 6 to 54 Mbps	17			
VHT80, M0 to M9, M0 to M9 1-2ss	17			
VHT80 Beam Forming, M0 to M9, M0 to M9 1-2ss	17			
VHT80 STBC, M0 to M9 1ss	17			
HE80, M0 to M9, M0 to M9 1-2ss	18			
HE80 Beam Forming, M0 to M9, M0 to M9 1-2ss	18			
HE80 STBC, M0 to M9 1ss	18			



A.1 Duty Cycle

Duty Cycle Test Requirement

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01

B. Duty Cycle (x), Transmission Duration (T), and Maximum Power Control Level

1. All measurements are to be performed with the EUT transmitting at 100 percent duty cycle at its maximum power control level; however, if 100 percent duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.

Duty Cycle Test Method

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

B. Duty Cycle (x), Transmission Duration (T), and Maximum Power Control Level

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq EBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in section II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

Duty Cycle Test Information

Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

Samples, Systems, and Modes

	Samples, Systems, and modes						
	System	Description	Samples	System under	Support		
	Number	Description		test	equipment		
	1	EUT	S01	\triangleright			
		Support			✓		

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Duty Cycle Data Table

Duty Cycle table and screen captures are shown below for power/psd modes.

Frequency	Mode	Data Rate	Duty Cycle correction (dB)
	Non HT20, 6 to 54 Mbps	6	0.1
5260	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1

	Non HT40, 6 to 54 Mbps	6	0.0
5270	HT/VHT40, M0 to M31	m0	0.1
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT80, 6 to 54 Mbps	6	0.1
5290	VHT80, M0 to M9, M0 to M9 1-2ss	m0x1	0.2
	HE80, M0 to M9, M0 to M9 1-2ss	m0h1	0.3
	Non HT20, 6 to 54 Mbps	6	0.1
5300	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
		-	-
	Non HT40, 6 to 54 Mbps	6	0.1
5310	HT/VHT40, M0 to M31	m0	0.1
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT20, 6 to 54 Mbps	6	0.1
5320	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT160, 6 to 54 Mbps	6	0.1
5250	VHT160, M0 to M9, M0 to M9 1-2ss	m0x1	0.1
	HE160, M0 to M9, M0 to M9 1-2ss	m0h1	0.1

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A.2 99% and 26dB Bandwidth

99% and 26dB Bandwidth Test Requirement

There is no requirement for the value of bandwidth.

However, the 26dB BW (EBW) is used to calculate the power limits in 15.407 (a) (2). Power measurements are made using the 99% Bandwidth as the integration bandwidth.

99% and 26dB Bandwidth Test Procedure

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section D. 99 Percent Occupied Bandwidth

ANSI C63.10: 2013

99% BW

Test Parameters

- 1. Set center frequency to the nominal EUT channel center frequency.
- 2. Set span = 1.5 times to 5.0 times the OBW.
- 3. Set RBW = 1% to 5% of the OBW
- 4. Set VBW ≥ 3 · RBW
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).

Ref KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Section C. Measurement Bandwidth, Section 1

26 BW

Test parameters

X dB BW = -26dB (using the OBW function of the spectrum analyzer)

Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Samples, Systems, and Modes

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System Number	Description	Samples	System under test	Support equipment
4	EUT	S01	\searrow	
1	Support			✓

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

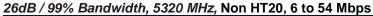
Test Equipment

See Appendix C for list of test equipment



Frequency (MHz)	Mode	Data Rate (Mbps)	26dB BW (MHz)	99% BW (MHz)
	Non HT20, 6 to 54 Mbps	6	21.2	16.756
5260	HT/VHT20, M0 to M31	m0	21.8	18.010
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.4	19.109
	Non HT40, 6 to 54 Mbps	6	39.8	36.373
5270	HT/VHT40, M0 to M31	m0	40.1	36.435
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	40.0	37.607
	Non HT80, 6 to 54 Mbps	6	81.9	76.195
5290	VHT80, M0 to M9, M0 to M9 1-2ss	m0x1	82.4	75.998
	HE80, M0 to M9, M0 to M9 1-2ss	m0h1	82.1	77.017
	-		_	_
	Non HT20, 6 to 54 Mbps	6	21.3	16.756
5300	HT/VHT20, M0 to M31	m0	21.8	18.009
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.5	19.114
	Non HT40, 6 to 54 Mbps	6	39.6	36.349
5310	HT/VHT40, M0 to M31	m0	40.1	36.429
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	39.9	37.584
	Non HT20, 6 to 54 Mbps	6	21.2	16.750
5320	HT/VHT20, M0 to M31	m0	21.7	18.015
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.4	19.109
	Non HT160, 6 to 54 Mbps	6	163.6	154.112
5250	VHT160, M0 to M9, M0 to M9 1-2ss	m0x1	165.1	154.724
	HE160, M0 to M9, M0 to M9 1-2ss	m0h1	164.2	154.996









A.3 Maximum Conducted Output Power

Maximum Conducted Output Power Test Requirement

15.407 (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. ... If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.407 (5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Referencing "644545 D03 Guidance for IEEE 802.11ac v01", covering signals that cross the boundary between two adjacent UNII bands, the FCC describes a procedure to measure EBW, power, and PSD in each UNII band. For the case of a 160MHz signal equally distributed between UNII-1 and UNII-2a, we apply the following alternate procedure. Rather than measure:

- The half of the signal in UNII-1, measured against the 30dBm power / 17dBm/MHz PSD limits
- The half of the signal in UNII-2a, measured against the 24dBm power / 11dBm/MHz PSD limits

If a 160MHz signal (equally distributed between the two bands) produces a total power of 27dBm across the entire 160 MHz EBW, the total power in each band would be half of the total, or 24dBm (which meets both the UNII-1 and UNII-2a limits), and would have a PSD no greater than 11dBm/MHz in either sub-band.

Given these facts, we have measured the complete 160 MHz EBW (across both sub-bands) against 27dBm power and 11dBm/MHz PSD limits, rather than individual sub band measurements against the individual sub band limits."

Maximum Conducted Output Power Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 ANSI C63.10: 2013

Maximum Conducted Output Power

Test Procedure

- 1. Set the radio in the continuous transmitting mode at full power
- 2. Compute power by integrating the spectrum across the EBW (or alternatively entire 99% OBW) of the signal using the instrument's band power measurement function. The integration shall be performed using the spectrum analyzer band-power measurement function with band limits set equal to the EBW or the OBW band edges.
- 3. Capture graphs and record pertinent measurement data.

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA), (d) Method SA-2

Maximum Conducted Output Power

Test parameters

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Radio Test Report No: EDCS - 18315840



Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (i) Measure the duty cycle, x, of the transmitter output signal as described in section II.B.
- (ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (iii) Set RBW = 1 MHz.
- (iv) Set $VBW \ge 3$ MHz.
- (v) Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (vi) Sweep time = auto.
- (vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (viii) Do not use sweep triggering. Allow the sweep to "free run".
- (ix) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
- (x) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth)

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. ANSI C63.10 section 14.3.2.2

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
_	EUT	S01	\checkmark	
1	Support			✓

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Maximum Output Power

Frequency (MHz)	Maximum Output Power Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Max Power (dBm)	Tx 2 Max Power (dBm)	Tx 3 Max Power (dBm)	Tx 4 Max Power (dBm)	Duty Cycle Correction (dB)	Total Tx Channel Power (dBm)	Limit (dBm)	Margin (dB)
	N. HTOO O. SAND			47.0				0.4		0.1.0	0.05
	Non HT20, 6 to 54 Mbps	1	5	17.3				0.1	17.4	24.0	6.65
	Non HT20, 6 to 54 Mbps	2	5	16.2	15.7			0.1	19.0	24.0	4.98
	Non HT20, 6 to 54 Mbps	3	5	13.3	12.7	11.9		0.1	17.5	24.0	6.51
	Non HT20, 6 to 54 Mbps	4	5	11.3	10.6	9.9	9.6	0.1	16.5	24.0	7.53
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	16.2	15.7			0.1	19.0	22.0	2.98
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	13.3	12.7	11.9		0.1	17.5	20.0	2.51
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	11.3	10.6	9.9	9.6	0.1	16.5	19.0	2.53
	HT/VHT20, M0 to M7	1	5	17.3				0.1	17.4	24.0	6.65
	HT/VHT20, M0 to M7	2	5	16.2	15.7			0.1	19.0	24.0	4.98
	HT/VHT20, M8 to M15	2	5	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20, M0 to M7	3	5	13.2	12.6	11.8		0.1	17.4	24.0	6.61
	HT/VHT20, M8 to M15	3	5	16.2	15.7	14.9		0.1	20.5	24.0	3.54
	HT/VHT20, M16 to M23	3	5	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20, M0 to M7	4	5	11.2	10.5	10.0	9.7	0.1	16.5	24.0	7.54
	HT/VHT20, M8 to M15	4	5	14.3	13.6	12.9	12.8	0.1	19.5	24.0	4.48
5260	HT/VHT20, M16 to M23	4	5	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20, M24 to M31	4	5	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 Beam Forming, M0 to M7	2	8	16.2	15.7			0.1	19.0	22.0	2.98
	HT/VHT20 Beam Forming, M8 to M15	2	5	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20 Beam Forming, M0 to M7	3	10	13.2	12.6	11.8		0.1	17.4	20.0	2.61
	HT/VHT20 Beam Forming, M8 to M15	3	7	16.2	15.7	14.9		0.1	20.5	23.0	2.54
	HT/VHT20 Beam Forming, M16 to M23	3	5	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20 Beam Forming, M0 to M7	4	11	11.2	10.5	10.0	9.7	0.1	16.5	19.0	2.54
	HT/VHT20 Beam Forming, M8 to M15	4	8	14.3	13.6	12.9	12.8	0.1	19.5	22.0	2.48
	HT/VHT20 Beam Forming, M16 to M23	4	6	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 Beam Forming, M24 to M31	4	5	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 STBC, M0 to M7	2	5	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20 STBC, M0 to M7	3	5	16.2	15.7	14.9		0.1	20.5	24.0	3.54
	HT/VHT20 STBC, M0 to M7	4	5	14.3	13.6	12.9	12.8	0.1	19.5	24.0	4.48
	HE20, M0 to M9 1ss	1	5	17.5				0.1	17.6	24.0	6.43
	HE20, M0 to M9 1ss	2	5	17.5	17.1			0.1	20.4	24.0	3.62

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	HE20, M0 to M9 2ss	2	5	17.5	17.1			0.1	20.4	24.0	3.62
	HE20, M0 to M9 1ss	3	5	13.6	12.9	12.2		0.1	17.8	24.0	6.22
	HE20, M0 to M9 2ss	3	5	16.5	16.1	15.4		0.1	20.9	24.0	3.14
	HE20, M0 to M9 3ss	3	5	17.5	17.1	16.1		0.1	21.8	24.0	2.22
	HE20, M0 to M9 1ss	4	5	11.5	10.8	10.3	9.9	0.1	16.8	24.0	7.24
	HE20, M0 to M9 2ss	4	5	14.4	13.9	13.2	13.1	0.1	19.8	24.0	4.23
	HE20, M0 to M9 3ss	4	5	16.5	16.1	15.4	15.1	0.1	21.9	24.0	2.10
	HE20, M0 to M9 4ss	4	5	16.5	16.1	15.4	15.1	0.1	21.9	24.0	2.10
	HE20 Beam Forming, M0 to M9 1ss	2	8	17.5	17.1			0.1	20.4	22.0	1.62
	HE20 Beam Forming, M0 to M9 2ss	2	5	17.5	17.1			0.1	20.4	24.0	3.62
	HE20 Beam Forming, M0 to M9 1ss	3	10	13.6	12.9	12.2		0.1	17.8	20.0	2.22
	HE20 Beam Forming, M0 to M9 2ss	3	7	16.5	16.1	15.4		0.1	20.9	23.0	2.14
	HE20 Beam Forming, M0 to M9 3ss	3	5	17.5	17.1	16.1		0.1	21.8	24.0	2.22
	HE20 Beam Forming, M0 to M9 1ss	4	11	11.5	10.8	10.3	9.9	0.1	16.8	19.0	2.24
	HE20 Beam Forming, M0 to M9 2ss	4	8	14.4	13.9	13.2	13.1	0.1	19.8	22.0	2.23
	HE20 Beam Forming, M0 to M9 3ss	4	6	16.5	16.1	15.4	15.1	0.1	21.9	24.0	2.10
	HE20 Beam Forming, M0 to M9 4ss	4	5	16.5	16.1	15.4	15.1	0.1	21.9	24.0	2.10
	HE20 STBC, M0 to M9 2ss	2	5	17.5	17.1			0.1	20.4	24.0	3.62
	HE20 STBC, M0 to M9 2ss	3	5	16.5	16.1	15.4		0.1	20.9	24.0	3.14
	HE20 STBC, M0 to M9 2ss	4	5	14.4	13.9	13.2	13.1	0.1	19.8	24.0	4.23
	Non HT40, 6 to 54 Mbps	1	5	17.1				0.0	17.1	24.0	6.86
	Non HT40, 6 to 54 Mbps	2	5	17.1	17.6			0.0	20.4	24.0	3.59
	Non HT40, 6 to 54 Mbps	3	5	16.1	16.6	15.1		0.0	20.8	24.0	3.21
	Non HT40, 6 to 54 Mbps	4	5	14.2	14.3	13.2	12.8	0.0	19.7	24.0	4.26
	HT/VHT40, M0 to M7	1	5	17.2				0.1	17.3	24.0	6.70
	HT/VHT40, M0 to M7	2	5	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40, M8 to M15	2	5	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40, M0 to M7	3	5	16.2	16.6	15.2		0.1	20.9	24.0	3.09
	HT/VHT40, M8 to M15	3	5	17.2	17.6	15.9		0.1	21.8	24.0	2.17
	HT/VHT40, M16 to M23	3	5	17.2	17.6	15.9		0.1	21.8	24.0	2.17
5270	HT/VHT40, M0 to M7	4	5	14.3	14.4	12.9	12.8	0.1	19.8	24.0	4.21
5	HT/VHT40, M8 to M15	4	5	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40, M16 to M23	4	5	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40, M24 to M31	4	5	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 Beam Forming, M0 to M7	2	8	17.2	17.6			0.1	20.5	22.0	1.48
	HT/VHT40 Beam Forming, M8 to M15	2	5	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40 Beam Forming, M0 to M7	3	10	15.3	15.6	13.9		0.1	19.9	20.0	0.13
	HT/VHT40 Beam Forming, M8 to M15	3	7	17.2	17.6	15.9		0.1	21.8	23.0	1.17
		3	5	17.2	17.6	15.9		0.1	21.8	24.0	2.17
		4	11				11.8	0.1		19.0	0.25
		4	8	16.2	16.6	15.2	14.8	0.1	21.9	22.0	0.12
	HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15	3	5 11	17.2 13.2	17.6 13.3	15.9 12.0	11.8 14.8	0.1 0.1	21.8 18.8	24.0 19.0	

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	HT/VHT40 Beam Forming, M16 to M23	4	6	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 Beam Forming, M24 to M31	4	5	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 STBC, M0 to M7	2	5	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40 STBC, M0 to M7	3	5	17.2	17.6	15.9		0.1	21.8	24.0	2.17
	HT/VHT40 STBC, M0 to M7	4	5	16.2	16.6	15.2	14.8	0.1	21.9	24.0	2.12
	HE40, M0 to M9 1ss	1	5	17.4				0.1	17.5	24.0	6.47
	HE40, M0 to M9 1ss	2	5	17.4	17.8			0.1	20.7	24.0	3.26
	HE40, M0 to M9 2ss	2	5	17.4	17.8			0.1	20.7	24.0	3.26
	HE40, M0 to M9 1ss	3	5	16.4	16.8	15.3		0.1	21.1	24.0	2.89
	HE40, M0 to M9 2ss	3	5	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 3ss	3	5	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 1ss	4	5	14.4	14.6	13.2	13.1	0.1	20.0	24.0	3.98
	HE40, M0 to M9 2ss	4	5	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40, M0 to M9 3ss	4	5	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40, M0 to M9 4ss	4	5	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 Beam Forming, M0 to M9 1ss	2	8	17.4	17.8			0.1	20.7	22.0	1.26
	HE40 Beam Forming, M0 to M9 2ss	2	5	17.4	17.8			0.1	20.7	24.0	3.26
	HE40 Beam Forming, M0 to M9 1ss	3	10	14.4	14.6	13.2		0.1	19.0	20.0	0.99
	HE40 Beam Forming, M0 to M9 2ss	3	7	17.4	17.8	16.1		0.1	22.1	23.0	0.95
	HE40 Beam Forming, M0 to M9 3ss	3	5	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 Beam Forming, M0 to M9 1ss	4	11	12.4	12.6	11.3	11.1	0.1	18.0	19.0	0.95
	HE40 Beam Forming, M0 to M9 2ss	4	8	15.5	15.8	14.2	14.0	0.1	21.1	22.0	0.91
	HE40 Beam Forming, M0 to M9 3ss	4	6	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 Beam Forming, M0 to M9 4ss	4	5	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 STBC, M0 to M9 2ss	2	5	17.4	17.8			0.1	20.7	24.0	3.26
	HE40 STBC, M0 to M9 2ss	3	5	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 STBC, M0 to M9 2ss	4	5	16.4	16.8	15.3	15.1	0.1	22.1	24.0	1.89
									_		
	Non HT80, 6 to 54 Mbps	1	5	11.7				0.1	11.8	24.0	12.25
	Non HT80, 6 to 54 Mbps	2	5	11.7	11.3			0.1	14.6	24.0	9.43
	Non HT80, 6 to 54 Mbps	3	5	11.7	11.3	11.1		0.1	16.2	24.0	7.80
	Non HT80, 6 to 54 Mbps	4	5	11.7	11.3	11.1	11.0	0.1	17.4	24.0	6.65
	VHT80, M0 to M9 1ss	1	5	12.7				0.2	12.9	24.0	11.08
	VHT80, M0 to M9 1ss	2	5	12.7	12.3			0.2	15.7	24.0	8.27
06	VHT80, M0 to M9 2ss	2	5	12.7	12.3			0.2	15.7	24.0	8.27
5290	VHT80, M0 to M9 1ss	3	5	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80, M0 to M9 2ss	3	5	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80, M0 to M9 3ss	3	5	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80, M0 to M9 1ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 2ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 3ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 4ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62

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VHT80 Beam Forming, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 2ss VHT80 Beam Forming, M0 to M9 1ss VHT80 Beam Forming, M0 to M9 2ss	2	5								8.36
VHT80 Beam Forming, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 1ss VHT80 Beam Forming, M0 to M9 2ss			12.7	123						
VHT80 Beam Forming, M0 to M9 2ss 3 7 10.7 10.1 10.0 0.2 15.3 23.0 7.74 VHT80 Beam Forming, M0 to M9 3ss 3 5 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 Beam Forming, M0 to M9 1ss 4 11 8.5 8.2 8.2 7.8 0.2 14.4 19.0 4.58 VHT80 Beam Forming, M0 to M9 2ss 4 8 10.7 10.1 10.0 9.9 0.2 16.4 22.0 5.58 VHT80 Beam Forming, M0 to M9 3ss 4 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 Beam Forming, M0 to M9 4ss 4 5 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 2 5 12.7 12.3 0.0 2 15.7 24.0 8.27 VHT80 STBC, M0 to M9 1ss 3 5 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 4 5 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 1 5 12.9 0.3 13.2 24.0 10.85 HE80, M0 to M9 1ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 2ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 2ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 14.8 20.0 5.44 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.5 24.0 7.51 HE80 Beam Forming		VHT80 Beam Forming, M0 to M9 2ss	3			12.5			0.2	15.7	24.0	8.27
VHT80 Beam Forming, M0 to M9 3ss 3 5 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 Beam Forming, M0 to M9 1ss 4 11 8.5 8.2 8.2 7.8 0.2 14.4 19.0 4.58 VHT80 Beam Forming, M0 to M9 3ss 4 8 10.7 10.1 10.0 9.9 0.2 16.4 22.0 5.58 VHT80 Beam Forming, M0 to M9 4ss 4 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 2 5 12.7 12.3 0.2 15.7 24.0 8.27 VHT80 STBC, M0 to M9 1ss 3 5 11.7 11.1 11.0 10.2 16.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 4 5 11.7 11.1 11.0 10.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 1 5 12.9 0.3 13.2 24.0 7.51		•		10	9.6	9.0	9.1		0.2	14.2	20.0	5.77
VHT80 Beam Forming, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 3ss	3	7	10.7	10.1	10.0		0.2	15.3	23.0	7.74
VHT80 Beam Forming, M0 to M9 2ss			3	5	11.7	11.1	11.0		0.2	16.3	24.0	7.74
VHT80 Beam Forming, M0 to M9 3ss 4 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 Beam Forming, M0 to M9 4ss 4 5 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 3 5 11.7 11.1 11.0 0.2 15.7 24.0 8.27 VHT80 STBC, M0 to M9 1ss 4 5 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 4 5 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 1 5 12.9 0.3 13.2 24.0 10.85 HE80, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 2ss 3 5 11.8 11.3 11.3 10.3 16.5 24.0 7.51 HE80, M		VHT80 Beam Forming, M0 to M9 1ss	4	11	8.5	8.2	8.2	7.8	0.2	14.4	19.0	4.58
VHT80 Beam Forming, M0 to M9 4ss		VHT80 Beam Forming, M0 to M9 2ss	4	8	10.7	10.1	10.0	9.9	0.2	16.4	22.0	5.58
VHT80 STBC, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 3ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
VHT80 STBC, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 4ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
VHT80 STBC, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	2	5	12.7	12.3			0.2	15.7	24.0	8.27
HE80, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	3	5	11.7	11.1	11.0		0.2	16.3	24.0	7.74
HE80, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	4	5	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
HE80, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 1ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 3 5 11.8 11.3 11.3 10.9 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 16.5 24.0 7.51 HE80, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 2ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 10.9 0.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 1ss 3 10 9.9 9.4 9.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 10.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 10.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 3ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 3ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 10.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 10.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 10.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 12.2 12.0 6.20 10.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 17.4		HE80, M0 to M9 1ss	1	5	12.9				0.3	13.2	24.0	10.85
HE80, M0 to M9 1ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 2ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 11.3 10.9 0.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 11.3 0.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 1ss 3 10 9.9 9.4 9.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 15.5 23.0 7.47 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 19.1 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 19.1 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 19.1 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 19.1 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 16.3 15.8 0.0 1 19.1 24.0 6.65 Non HT20, 6 to 54 Mbp		HE80, M0 to M9 1ss	2	5	11.8	11.3			0.3	14.8	24.0	9.18
HE80, M0 to M9 2ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 3ss 3 5 11.8 11.3 11.3 10.9 0.3 16.5 24.0 7.51 HE80, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 2ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.65 Non HT20, 6 to 54 Mbps 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.65 Non HT20, 6 to 54 Mbps 5 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 5 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 11.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 11.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 11.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 11.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 11.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17.3 0.1 11.0 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 6 1 5 17		HE80, M0 to M9 2ss	2	5	11.8	11.3			0.3	14.8	24.0	9.18
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	3	5	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80, M0 to M9 1ss		HE80, M0 to M9 2ss	3	5	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80, M0 to M9 2ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 3ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 10.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 3ss 4 6 10.		HE80, M0 to M9 3ss	3	5	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80, M0 to M9 3ss 4 5 11.8 11.3 10.9 0.3 17.6 24.0 6.39 HE80, M0 to M9 4ss 4 5 11.8 11.3 10.9 0.3 17.6 24.0 6.39 HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 10.9 0.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 1ss 3 10 9.9 9.4 9.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 15.5 23.0 7.47 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 <		HE80, M0 to M9 1ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
HE80, M0 to M9 4ss		HE80, M0 to M9 2ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
HE80 Beam Forming, M0 to M9 1ss 2 8 11.8 11.3 0.3 14.8 22.0 7.18 HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 1ss 3 10 9.9 9.4 9.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 15.5 23.0 7.47 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 17.4 24.0 6.69		HE80, M0 to M9 3ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
HE80 Beam Forming, M0 to M9 2ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 1ss 3 10 9.9 9.4 9.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 15.5 23.0 7.47 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 17.4 24.0 4.88		HE80, M0 to M9 4ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
HE80 Beam Forming, M0 to M9 1ss 3 10 9.9 9.4 9.3 0.3 14.6 20.0 5.44 HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 15.5 23.0 7.47 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.3 15.8 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88		HE80 Beam Forming, M0 to M9 1ss	2	8	11.8	11.3			0.3	14.8	22.0	7.18
HE80 Beam Forming, M0 to M9 2ss 3 7 10.8 10.4 10.3 0.3 15.5 23.0 7.47 HE80 Beam Forming, M0 to M9 3ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 11 9.1 8.3 8.5 8.1 0.3 14.8 19.0 4.21 HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 10.9 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88		HE80 Beam Forming, M0 to M9 2ss	2	5	11.8	11.3			0.3	14.8	24.0	9.18
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	3	10	9.9	9.4	9.3		0.3	14.6	20.0	5.44
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 2ss	3	7	10.8	10.4	10.3		0.3	15.5	23.0	7.47
HE80 Beam Forming, M0 to M9 2ss 4 8 9.9 9.4 9.3 9.0 0.3 15.7 22.0 6.32 HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 17.4 24.0 6.58 Non HT20, 6 to 54 Mbps 2 5 13.2 13.6 11.9 0.1 17.4 24.0 6.58		HE80 Beam Forming, M0 to M9 3ss	3	5	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80 Beam Forming, M0 to M9 3ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 5 13.3 13.6 11.9 0.1 17.4 24.0 6.59		HE80 Beam Forming, M0 to M9 1ss	4	11	9.1	8.3	8.5	8.1	0.3	14.8	19.0	4.21
HE80 Beam Forming, M0 to M9 4ss 4 5 11.8 11.3 10.9 0.3 17.6 24.0 6.39 HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 5 13.2 12.6 11.0 0.1 17.4 24.0 6.59		HE80 Beam Forming, M0 to M9 2ss	4	8	9.9	9.4	9.3	9.0	0.3	15.7	22.0	6.32
HE80 STBC, M0 to M9 1ss 2 5 11.8 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT30, 6 to 54 Mbps 3 5 13.2 12.6 11.0 0.1 17.4 24.0 6.59		HE80 Beam Forming, M0 to M9 3ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
HE80 STBC, M0 to M9 1ss 3 5 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 5 11.8 11.3 11.3 10.9 0.3 17.6 24.0 6.39 Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT30, 6 to 54 Mbps 3 5 13.2 12.6 11.0 0.1 17.4 24.0 6.59		HE80 Beam Forming, M0 to M9 4ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT30, 6 to 54 Mbps 3 5 13.2 12.6 11.0 0.1 17.4 24.0 6.59		HE80 STBC, M0 to M9 1ss	2	5	11.8	11.3			0.3	14.8	24.0	9.18
Non HT20, 6 to 54 Mbps 1 5 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88 Non HT20, 6 to 54 Mbps 3 5 13.2 12.6 11.0 0.1 17.4 24.0 6.58		HE80 STBC, M0 to M9 1ss	3	5	11.8	11.3	11.3		0.3	16.5	24.0	7.51
Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88		HE80 STBC, M0 to M9 1ss	4	5	11.8	11.3	11.3	10.9	0.3	17.6	24.0	6.39
Non HT20, 6 to 54 Mbps 2 5 16.3 15.8 0.1 19.1 24.0 4.88									_			
Non HT20 6 to 54 Mbps 2 5 12 2 12 6 11 0 01 17 4 24 0 6 59		Non HT20, 6 to 54 Mbps	1	5	17.3				0.1	17.4	24.0	6.65
Non HT20, 6 to 54 Mbps 3 5 13.2 12.6 11.9 0.1 17.4 24.0 6.58		Non HT20, 6 to 54 Mbps	2	5	16.3	15.8			0.1	19.1	24.0	4.88
		Non HT20, 6 to 54 Mbps	3	5	13.2	12.6	11.9		0.1	17.4	24.0	6.58
Non HT20, 6 to 54 Mbps 4 5 11.2 10.4 9.9 9.8 0.1 16.4 24.0 7.57	30(Non HT20, 6 to 54 Mbps	4	5	11.2	10.4	9.9	9.8	0.1	16.4	24.0	7.57
Non HT20 Beam Forming, 6 to 54 Mbps 2 8 16.3 15.8 0.1 19.1 22.0 2.88	2	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	16.3	15.8			0.1	19.1	22.0	2.88
Non HT20 Beam Forming, 6 to 54 Mbps 3 10 13.2 12.6 11.9 0.1 17.4 20.0 2.58		Non HT20 Beam Forming, 6 to 54 Mbps	3	10	13.2	12.6	11.9		0.1	17.4	20.0	2.58
Non HT20 Poom Forming 6 to 54 Mhno. 4 44 44 2 40 4 00 00 04 46 4 40 0 0.57		Non HT20 Beam Forming, 6 to 54 Mbps	4	11	11.2	10.4	9.9	9.8	0.1	16.4	19.0	2.57

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HT/VHT20, M0 to M7	1	5	17.2				0.1	17.3	24.0	6.75
HT/VHT20, M0 to M7	2	5	16.3	15.7			0.1	19.1	24.0	4.93
HT/VHT20, M8 to M15	2	5	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20, M0 to M7	3	5	13.2	12.6	11.9		0.1	17.4	24.0	6.58
HT/VHT20, M8 to M15	3	5	16.3	15.7	14.9		0.1	20.5	24.0	3.51
HT/VHT20, M16 to M23	3	5	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20, M0 to M7	4	5	11.2	10.5	10.0	9.8	0.1	16.5	24.0	7.52
HT/VHT20, M8 to M15	4	5	14.4	13.7	12.9	12.8	0.1	19.6	24.0	4.43
HT/VHT20, M16 to M23	4	5	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20, M24 to M31	4	5	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 Beam Forming, M0 to M7	2	8	16.3	15.7			0.1	19.1	22.0	2.93
HT/VHT20 Beam Forming, M8 to M15	2	5	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20 Beam Forming, M0 to M7	3	10	13.2	12.6	11.9		0.1	17.4	20.0	2.58
HT/VHT20 Beam Forming, M8 to M15	3	7	16.3	15.7	14.9		0.1	20.5	23.0	2.51
HT/VHT20 Beam Forming, M16 to M23	3	5	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20 Beam Forming, M0 to M7	4	11	11.2	10.5	10.0	9.8	0.1	16.5	19.0	2.52
HT/VHT20 Beam Forming, M8 to M15	4	8	14.4	13.7	12.9	12.8	0.1	19.6	22.0	2.43
HT/VHT20 Beam Forming, M16 to M23	4	6	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 Beam Forming, M24 to M31	4	5	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 STBC, M0 to M7	2	5	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20 STBC, M0 to M7	3	5	16.3	15.7	14.9		0.1	20.5	24.0	3.51
HT/VHT20 STBC, M0 to M7	4	5	14.4	13.7	12.9	12.8	0.1	19.6	24.0	4.43
HE20, M0 to M9 1ss	1	5	17.5				0.1	17.6	24.0	6.43
HE20, M0 to M9 1ss	2	5	16.6	16.1			0.1	19.4	24.0	4.56
HE20, M0 to M9 2ss	2	5	17.5	17.2			0.1	20.4	24.0	3.57
HE20, M0 to M9 1ss	3	5	13.6	13.0	12.2		0.1	17.8	24.0	6.19
HE20, M0 to M9 2ss	3	5	16.6	16.1	15.2		0.1	20.8	24.0	3.16
HE20, M0 to M9 3ss	3	5	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20, M0 to M9 1ss	4	5	11.4	10.8	10.3	10.1	0.1	16.8	24.0	7.23
HE20, M0 to M9 2ss	4	5	14.6	14.0	13.4	13.2	0.1	19.9	24.0	4.08
HE20, M0 to M9 3ss	4	5	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20, M0 to M9 4ss	4	5	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 Beam Forming, M0 to M9 1ss	2	8	16.6	16.1			0.1	19.4	22.0	2.56
HE20 Beam Forming, M0 to M9 2ss	2	5	17.5	17.2			0.1	20.4	24.0	3.57
HE20 Beam Forming, M0 to M9 1ss	3	10	13.6	13.0	12.2		0.1	17.8	20.0	2.19
HE20 Beam Forming, M0 to M9 2ss	3	7	16.6	16.1	15.2		0.1	20.8	23.0	2.16
HE20 Beam Forming, M0 to M9 3ss	3	5	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20 Beam Forming, M0 to M9 1ss	4	11	11.4	10.8	10.3	10.1	0.1	16.8	19.0	2.23
HE20 Beam Forming, M0 to M9 2ss	4	8	14.6	14.0	13.4	13.2	0.1	19.9	22.0	2.08
HE20 Beam Forming, M0 to M9 3ss	4	6	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 Beam Forming, M0 to M9 4ss	4	5	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 STBC, M0 to M9 2ss	2	5	17.5	17.2			0.1	20.4	24.0	3.57

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	HE20 STBC, M0 to M9 2ss	3	5	16.6	16.1	15.2		0.1	20.8	24.0	3.16
	HE20 STBC, M0 to M9 2ss	4	5	14.6	14.0	13.4	13.2	0.1	19.9	24.0	4.08
	Non HT40, 6 to 54 Mbps	1	5	12.9				0.1	13.0	24.0	11.05
	Non HT40, 6 to 54 Mbps	2	5	12.9	13.5			0.1	16.3	24.0	7.73
	Non HT40, 6 to 54 Mbps	3	5	12.9	13.5	12.0		0.1	17.7	24.0	6.33
	Non HT40, 6 to 54 Mbps	4	5	12.0	12.2	11.2	11.0	0.1	17.7	24.0	6.30
	HT/VHT40, M0 to M7	1	5	13.2				0.1	13.3	24.0	10.75
	HT/VHT40, M0 to M7	2	5	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40, M8 to M15	2	5	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40, M0 to M7	3	5	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M8 to M15	3	5	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M16 to M23	3	5	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M0 to M7	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40, M8 to M15	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40, M16 to M23	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40, M24 to M31	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40 Beam Forming, M0 to M7	2	8	12.2	12.3			0.1	15.3	22.0	6.69
	HT/VHT40 Beam Forming, M8 to M15	2	5	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40 Beam Forming, M0 to M7	3	10	11.0	11.4	10.1		0.1	15.7	20.0	4.31
	HT/VHT40 Beam Forming, M8 to M15	3	7	12.2	12.3	11.1		0.1	16.7	23.0	6.28
_	HT/VHT40 Beam Forming, M16 to M23	3	5	13.2	13.4	11.9		0.1	17.7	24.0	6.29
5310	HT/VHT40 Beam Forming, M0 to M7	4	11	10.1	10.1	9.2	8.8	0.1	15.7	19.0	3.34
2	HT/VHT40 Beam Forming, M8 to M15	4	8	11.0	11.4	10.1	9.7	0.1	16.7	22.0	5.32
	HT/VHT40 Beam Forming, M16 to M23	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HT/VHT40 Beam Forming, M24 to M31	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HT/VHT40 STBC, M0 to M7	2	5	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40 STBC, M0 to M7	3	5	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40 STBC, M0 to M7	4	5	13.2	13.4	11.9	12.0	0.1	18.8	24.0	5.25
	HE40, M0 to M9 1ss	1	5	13.3				0.1	13.4	24.0	10.63
	HE40, M0 to M9 1ss	2	5	12.4	12.5			0.1	15.5	24.0	8.47
	HE40, M0 to M9 2ss	2	5	12.4	12.5			0.1	15.5	24.0	8.47
	HE40, M0 to M9 1ss	3	5	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 2ss	3	5	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 3ss	3	5	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 1ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 2ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 3ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 4ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 Beam Forming, M0 to M9 1ss	2	8	12.4	12.5			0.1	15.5	22.0	6.47
	HE40 Beam Forming, M0 to M9 2ss	2	5	12.4	12.5			0.1	15.5	24.0	8.47
	HE40 Beam Forming, M0 to M9 1ss	3	10	10.4	10.3	9.4		0.1	14.9	20.0	5.10
	TIE-TO Deall I offilling, We to Mie 135	J	10	10.4	10.0	J. T		0.1	17.3	20.0	0.10

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	HE40 Beam Forming, M0 to M9 2ss	3	7	12.4	12.5	11.2		0.1	16.9	23.0	6.09
	HE40 Beam Forming, M0 to M9 3ss	3	5	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40 Beam Forming, M0 to M9 1ss	4	11	8.1	8.4	7.4	7.1	0.1	13.9	19.0	5.13
	HE40 Beam Forming, M0 to M9 2ss	4	8	11.3	11.6	10.3	9.9	0.1	16.9	22.0	5.08
	HE40 Beam Forming, M0 to M9 3ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 Beam Forming, M0 to M9 4ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 STBC, M0 to M9 2ss	2	5	12.4	12.5			0.1	15.5	24.0	8.47
	HE40 STBC, M0 to M9 2ss	3	5	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40 STBC, M0 to M9 2ss	4	5	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	Non HT20, 6 to 54 Mbps	1	5	15.9				0.1	16.0	24.0	8.05
	Non HT20, 6 to 54 Mbps	2	5	15.9	15.6			0.1	18.8	24.0	5.19
	Non HT20, 6 to 54 Mbps	3	5	12.9	12.5	11.9		0.1	17.3	24.0	6.73
	Non HT20, 6 to 54 Mbps	4	5	11.0	10.5	10.1	9.9	0.1	16.5	24.0	7.53
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	14.9	14.6			0.1	17.8	22.0	4.19
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	12.9	12.5	11.9		0.1	17.3	20.0	2.73
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	11.0	10.5	10.1	9.9	0.1	16.5	19.0	2.53
	HT/VHT20, M0 to M7	1	5	16.0				0.1	16.1	24.0	7.95
	HT/VHT20, M0 to M7	2	5	15.0	14.8			0.1	18.0	24.0	6.04
	HT/VHT20, M8 to M15	2	5	15.0	14.8			0.1	18.0	24.0	6.04
	HT/VHT20, M0 to M7	3	5	13.0	12.5	11.9		0.1	17.3	24.0	6.69
	HT/VHT20, M8 to M15	3	5	15.0	14.8	14.1		0.1	19.5	24.0	4.53
	HT/VHT20, M16 to M23	3	5	15.0	14.8	14.1		0.1	19.5	24.0	4.53
	HT/VHT20, M0 to M7	4	5	11.0	10.3	10.0	9.8	0.1	16.4	24.0	7.63
	HT/VHT20, M8 to M15	4	5	14.0	13.4	12.9	13.0	0.1	19.4	24.0	4.58
02	HT/VHT20, M16 to M23	4	5	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
5320	HT/VHT20, M24 to M31	4	5	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
	HT/VHT20 Beam Forming, M0 to M7	2	8	14.0	13.4			0.1	16.8	22.0	5.23
	HT/VHT20 Beam Forming, M8 to M15	2	5	15.0	14.8			0.1	18.0	24.0	6.04
	HT/VHT20 Beam Forming, M0 to M7	3	10	13.0	12.5	11.9		0.1	17.3	20.0	2.69
	HT/VHT20 Beam Forming, M8 to M15	3	7	14.0	13.4	12.9		0.1	18.3	23.0	4.72
	HT/VHT20 Beam Forming, M16 to M23	3	5	15.0	14.8	14.1		0.1	19.5	24.0	4.53
	HT/VHT20 Beam Forming, M0 to M7	4	11	11.0	10.3	10.0	9.8	0.1	16.4	19.0	2.63
	HT/VHT20 Beam Forming, M8 to M15	4	8	14.0	13.4	12.9	13.0	0.1	19.4	22.0	2.58
	HT/VHT20 Beam Forming, M16 to M23	4	6	14.0	13.4	12.9	13.0	0.1	19.4	24.0	4.58
	HT/VHT20 Beam Forming, M24 to M31	4	5	15.0	14.8	14.1	14.1	0.1	20.6	24.0	3.41
	HT/VHT20 STBC, M0 to M7	2	5	15.0	14.8			0.1	18.0	24.0	6.04
	HT/VHT20 STBC, M0 to M7	3	5	15.0	14.8	14.1		0.1	19.5	24.0	4.53
	HT/VHT20 STBC, M0 to M7	4	5	14.0	13.4	12.9	13.0	0.1	19.4	24.0	4.58
	HE20, M0 to M9 1ss	1	5	15.2		12.0	10.0	0.1	15.3	24.0	8.73
	HE20, M0 to M9 1ss	2	5	15.2	15.0			0.1	18.2	24.0	5.82
	HE20, M0 to M9 2ss	2	5	15.2	15.0			0.1	18.2	24.0	5.82
	0, 1410 to 1410 200			10.2	10.0			0.1	10.2	27.0	0.02

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	HE20, M0 to M9 1ss	3	5	13.2	12.8	12.2		0.1	17.6	24.0	6.41
	HE20, M0 to M9 2ss	3	5	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20, M0 to M9 3ss	3	5	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20, M0 to M9 1ss	4	5	11.3	10.7	10.3	10.2	0.1	16.7	24.0	7.26
	HE20, M0 to M9 2ss	4	5	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20, M0 to M9 3ss	4	5	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20, M0 to M9 4ss	4	5	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 Beam Forming, M0 to M9 1ss	2	8	13.2	12.8			0.1	16.1	22.0	5.92
	HE20 Beam Forming, M0 to M9 2ss	2	5	15.2	15.0			0.1	18.2	24.0	5.82
	HE20 Beam Forming, M0 to M9 1ss	3	10	13.2	12.8	12.2		0.1	17.6	20.0	2.41
	HE20 Beam Forming, M0 to M9 2ss	3	7	13.2	12.8	12.2		0.1	17.6	23.0	5.41
	HE20 Beam Forming, M0 to M9 3ss	3	5	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20 Beam Forming, M0 to M9 1ss	4	11	11.3	10.7	10.3	10.2	0.1	16.7	19.0	2.26
	HE20 Beam Forming, M0 to M9 2ss	4	8	13.2	12.8	12.2	12.3	0.1	18.7	22.0	3.27
	HE20 Beam Forming, M0 to M9 3ss	4	6	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 Beam Forming, M0 to M9 4ss	4	5	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 STBC, M0 to M9 2ss	2	5	15.2	15.0			0.1	18.2	24.0	5.82
	HE20 STBC, M0 to M9 2ss	3	5	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20 STBC, M0 to M9 2ss	4	5	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	-										
	Non HT160, 6 to 54 Mbps	1	5	10.9				0.1	11.0	24.0	13.05
	Non HT160, 6 to 54 Mbps	2	5	9.8	9.7			0.1	12.8	24.0	11.19
	Non HT160, 6 to 54 Mbps	3	5	9.8	9.7	8.9		0.1	14.3	24.0	9.69
	Non HT160, 6 to 54 Mbps	4	5	9.8	9.7	8.9	9.0	0.1	15.4	24.0	8.56
	VHT160, M0 to M9 1ss	1	5	11.6				0.1	11.7	24.0	12.35
	VHT160, M0 to M9 1ss	2	5	10.6	10.7			0.1	13.7	24.0	10.29
	VHT160, M0 to M9 2ss	2	5	10.6	10.7			0.1	13.7	24.0	10.29
	VHT160, M0 to M9 1ss	3	5	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160, M0 to M9 2ss	3	5	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160, M0 to M9 3ss	3	5	10.6	10.7	9.6		0.1	15.2	24.0	8.85
5250	VHT160, M0 to M9 1ss	4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
52	VHT160, M0 to M9 2ss	4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	VHT160, M0 to M9 3ss	4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	VHT160, M0 to M9 4ss	4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
	VHT160 Beam Forming, M0 to M9 1ss	2	8	9.6	9.4			0.1	12.6	22.0	9.43
	VHT160 Beam Forming, M0 to M9 2ss	2	5	10.6	10.7			0.1	13.7	24.0	10.29
	VHT160 Beam Forming, M0 to M9 1ss	3	10	8.6	8.3	7.9		0.1	13.1	20.0	6.90
	VHT160 Beam Forming, M0 to M9 2ss	3	7	9.6	9.4	8.8		0.1	14.1	23.0	8.89
	VHT160 Beam Forming, M0 to M9 3ss	3	5	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160 Beam Forming, M0 to M9 1ss	4	11	8.6	8.3	7.9	7.5	0.1	14.2	19.0	4.83
	VHT160 Beam Forming, M0 to M9 2ss	4	8	9.6	9.4	8.8	8.8	0.1	15.2	22.0	6.76
	VHT160 Beam Forming, M0 to M9 3ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76

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4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
2	5	10.6	10.7			0.1	13.7	24.0	10.29
3	5	10.6	10.7	9.6		0.1	15.2	24.0	8.85
4	5	10.6	10.7	9.6	9.7	0.1	16.3	24.0	7.75
1	5	12.9				0.1	13.0	24.0	11.03
2	5	12.9	12.9			0.1	16.0	24.0	8.02
2	5	12.9	12.9			0.1	16.0	24.0	8.02
3	5	12.9	12.9	11.9		0.1	17.4	24.0	6.57
3	5	12.9	12.9	11.9		0.1	17.4	24.0	6.57
3	5	12.9	12.9	11.9		0.1	17.4	24.0	6.57
4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
2	8	11.8	11.6			0.1	14.8	22.0	7.22
2	5	12.9	12.9			0.1	16.0	24.0	8.02
3	10	9.8	9.6	8.9		0.1	14.3	20.0	5.71
3	7	11.8	11.6	10.9		0.1	16.3	23.0	6.71
3	5	12.9	12.9	11.9		0.1	17.4	24.0	6.57
4	11	8.8	8.7	8.2	7.8	0.1	14.5	19.0	4.52
4	8	10.9	10.7	10.0	10.0	0.1	16.5	22.0	5.49
4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
2	5	12.9	12.9			0.1	16.0	24.0	8.02
3	5	12.9	12.9	11.9		0.1	17.4	24.0	6.57
4	5	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
	2 3 4 1 2 2 3 3 3 4 4 4 4 2 2 3 3 3 3 4 4 4 4 4	2 5 3 5 4 5 1 5 2 5 3 5 3 5 3 5 3 5 3 5 4 5 4 5 4 5 4 5 4 5 2 8 2 5 3 10 3 7 3 5 4 11 4 8 4 6 4 5 2 5 3 5	2 5 10.6 3 5 10.6 4 5 10.6 1 5 12.9 2 5 12.9 3 5 12.9 3 5 12.9 3 5 12.9 4 5 11.8 4 5 11.8 4 5 11.8 2 8 11.8 2 8 11.8 2 5 12.9 3 10 9.8 3 7 11.8 3 5 12.9 4 11 8.8 4 8 10.9 4 6 11.8 4 5 12.9 3 5 12.9 3 5 12.9 3 5 12.9	2 5 10.6 10.7 3 5 10.6 10.7 4 5 10.6 10.7 1 5 12.9 12.9 2 5 12.9 12.9 3 5 12.9 12.9 3 5 12.9 12.9 3 5 12.9 12.9 4 5 11.8 11.6 4 5 11.8 11.6 4 5 11.8 11.6 2 8 11.8 11.6 2 5 12.9 12.9 3 10 9.8 9.6 3 7 11.8 11.6 3 5 12.9 12.9 4 11 8.8 8.7 4 6 11.8 11.6 4 5 11.8 11.6 4 5 11.8 12.9 10 10.7 10.7 10.7 10 10.7 10.7 10	2 5 10.6 10.7 9.6 3 5 10.6 10.7 9.6 4 5 10.6 10.7 9.6 1 5 12.9 12.9 12.9 2 5 12.9 12.9 11.9 3 5 12.9 12.9 11.9 3 5 12.9 12.9 11.9 3 5 12.9 12.9 11.9 4 5 11.8 11.6 10.9 4 5 11.8 11.6 10.9 4 5 11.8 11.6 10.9 2 8 11.8 11.6 10.9 3 10 9.8 9.6 8.9 3 7 11.8 11.6 10.9 3 5 12.9 12.9 11.9 4 11 8.8 8.7 8.2 4 8 10.9 10.7 10.0 4 6 11.8 11.6 10.9 <tr< td=""><td>2 5 10.6 10.7 9.6 3 5 10.6 10.7 9.6 9.7 1 5 12.9 2 5 12.9 12.9 12.9 12.9 12.9 12.9 11.9 11.9 11.9 11.9 11.0</td><td>2 5 10.6 10.7 9.6 0.1 3 5 10.6 10.7 9.6 9.7 0.1 4 5 10.6 10.7 9.6 9.7 0.1 1 5 12.9 12.9 0.1 2 5 12.9 12.9 0.1 3 5 12.9 12.9 11.9 0.1 3 5 12.9 12.9 11.9 0.1 3 5 12.9 12.9 11.9 0.1 4 5 11.8 11.6 10.9 11.0 0.1 4 5 11.8 11.6 10.9 11.0 0.1 4 5 11.8 11.6 10.9 11.0 0.1 4 5 11.8 11.6 10.9 11.0 0.1 2 8 11.8 11.6 10.9 11.0 0.1 3 7 11.8 11.6 10.9 0.1 3 7 11.8 11.6 <t< td=""><td>2 5 10.6 10.7 9.6 0.1 13.7 3 5 10.6 10.7 9.6 9.7 0.1 16.3 4 5 10.6 10.7 9.6 9.7 0.1 16.3 1 5 12.9 12.9 0.1 13.0 2 5 12.9 12.9 0.1 16.0 3 5 12.9 12.9 0.1 17.4 3 5 12.9 12.9 11.9 0.1 17.4 3 5 12.9 12.9 11.9 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.</td><td>2 5 10.6 10.7 9.6 0.1 13.7 24.0 3 5 10.6 10.7 9.6 0.1 15.2 24.0 4 5 10.6 10.7 9.6 9.7 0.1 16.3 24.0 1 5 12.9 0.1 13.0 24.0 2 5 12.9 12.9 0.1 16.0 24.0 2 5 12.9 12.9 0.1 16.0 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 4 5 11.8 11.6 10.9 11.0 0.1 17.4 24.0 4 5 11.8 11.6 10.9 11.0 0.1 17.4 24.0</td></t<></td></tr<>	2 5 10.6 10.7 9.6 3 5 10.6 10.7 9.6 9.7 1 5 12.9 2 5 12.9 12.9 12.9 12.9 12.9 12.9 11.9 11.9 11.9 11.9 11.0	2 5 10.6 10.7 9.6 0.1 3 5 10.6 10.7 9.6 9.7 0.1 4 5 10.6 10.7 9.6 9.7 0.1 1 5 12.9 12.9 0.1 2 5 12.9 12.9 0.1 3 5 12.9 12.9 11.9 0.1 3 5 12.9 12.9 11.9 0.1 3 5 12.9 12.9 11.9 0.1 4 5 11.8 11.6 10.9 11.0 0.1 4 5 11.8 11.6 10.9 11.0 0.1 4 5 11.8 11.6 10.9 11.0 0.1 4 5 11.8 11.6 10.9 11.0 0.1 2 8 11.8 11.6 10.9 11.0 0.1 3 7 11.8 11.6 10.9 0.1 3 7 11.8 11.6 <t< td=""><td>2 5 10.6 10.7 9.6 0.1 13.7 3 5 10.6 10.7 9.6 9.7 0.1 16.3 4 5 10.6 10.7 9.6 9.7 0.1 16.3 1 5 12.9 12.9 0.1 13.0 2 5 12.9 12.9 0.1 16.0 3 5 12.9 12.9 0.1 17.4 3 5 12.9 12.9 11.9 0.1 17.4 3 5 12.9 12.9 11.9 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.</td><td>2 5 10.6 10.7 9.6 0.1 13.7 24.0 3 5 10.6 10.7 9.6 0.1 15.2 24.0 4 5 10.6 10.7 9.6 9.7 0.1 16.3 24.0 1 5 12.9 0.1 13.0 24.0 2 5 12.9 12.9 0.1 16.0 24.0 2 5 12.9 12.9 0.1 16.0 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 4 5 11.8 11.6 10.9 11.0 0.1 17.4 24.0 4 5 11.8 11.6 10.9 11.0 0.1 17.4 24.0</td></t<>	2 5 10.6 10.7 9.6 0.1 13.7 3 5 10.6 10.7 9.6 9.7 0.1 16.3 4 5 10.6 10.7 9.6 9.7 0.1 16.3 1 5 12.9 12.9 0.1 13.0 2 5 12.9 12.9 0.1 16.0 3 5 12.9 12.9 0.1 17.4 3 5 12.9 12.9 11.9 0.1 17.4 3 5 12.9 12.9 11.9 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.4 4 5 11.8 11.6 10.9 11.0 0.1 17.	2 5 10.6 10.7 9.6 0.1 13.7 24.0 3 5 10.6 10.7 9.6 0.1 15.2 24.0 4 5 10.6 10.7 9.6 9.7 0.1 16.3 24.0 1 5 12.9 0.1 13.0 24.0 2 5 12.9 12.9 0.1 16.0 24.0 2 5 12.9 12.9 0.1 16.0 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 3 5 12.9 12.9 11.9 0.1 17.4 24.0 4 5 11.8 11.6 10.9 11.0 0.1 17.4 24.0 4 5 11.8 11.6 10.9 11.0 0.1 17.4 24.0

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Maximum Transmit Output Power, 5270 MHz, HT/VHT40 Beam Forming, M8 to M15

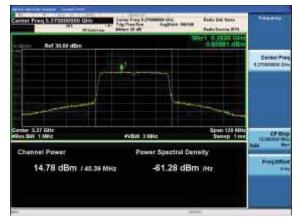




Antenna A

Antenna B





Antenna C Antenna D



A.4 Power Spectral Density

Power Spectral Density Test Requirement

15.407 (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.407 (5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Referencing "644545 D03 Guidance for IEEE 802.11ac v01", covering signals that cross the boundary between two adjacent UNII bands, the FCC describes a procedure to measure EBW, power, and PSD in each UNII band. For the case of a 160MHz signal equally distributed between UNII-1 and UNII-2a, we apply the following alternate procedure. Rather than measure:

- The half of the signal in UNII-1, measured against the 30dBm power / 17dBm/MHz PSD limits
- The half of the signal in UNII-2a, measured against the 24dBm power / 11dBm/MHz PSD limits

If a 160MHz signal (equally distributed between the two bands) produces a total power of 27dBm across the entire 160 MHz EBW, the total power in each band would be half of the total, or 24dBm (which meets both the UNII-1 and UNII-2a limits), and would have a PSD no greater than 11dBm/MHz in either sub-band.

Given these facts, we have measured the complete 160 MHz EBW (across both sub-bands) against 27dBm power and 11dBm/MHz PSD limits, rather than individual sub band measurements against the individual sub band limits."

Power Spectral Density Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 F. Maximum Power Spectral Density (PSD)

Power Spectral Density

Test Procedure

The rules requires "maximum power spectral density" measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

- 1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power…". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
- 2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3. Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.
- b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
- 4. The result is the Maximum PSD over 1 MHz reference bandwidth.

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Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA), (d) Method SA-2

Power Spectral Density

Test parameters

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (i) Measure the duty cycle, x, of the transmitter output signal as described in section II.B.
- (ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (iii) Set RBW = 1 MHz.
- (iv) Set $VBW \ge 3$ MHz.
- (v) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (vi) Sweep time = auto.
- (vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (viii) Do not use sweep triggering. Allow the sweep to "free run".
- (ix) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
- (x) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth)

F. Maximum Power Spectral Density (PSD)

- 2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3. Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. (See ANSI C63.10 section 14.3.2.2)

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
4	EUT	S01	\checkmark	
1	Support			✓

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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	Power Spectral Density										
Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 PSD (dBm/MHz)	Tx 2 PSD (dBm/MHz)	Tx 3 PSD (dBm/MHz)	Tx 4 PSD (dBm/MHz)	Duty Cycle Correction (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	5	6.4				0.1	6.5	11.0	4.55
	Non HT20, 6 to 54 Mbps	2	8	5.3	4.7			0.1	8.1	9.0	0.93
	Non HT20, 6 to 54 Mbps	3	10	2.3	1.7	0.9		0.1	6.5	7.0	0.51
	Non HT20, 6 to 54 Mbps	4	11	0.1	-0.2	-1.3	-1.1	0.1	5.5	6.0	0.51
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	5.3	4.7			0.1	8.1	9.0	0.93
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	2.3	1.7	0.9		0.1	6.5	7.0	0.51
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	0.1	-0.2	-1.3	-1.1	0.1	5.5	6.0	0.51
	HT/VHT20, M0 to M7	1	5	6.0				0.1	6.1	11.0	4.95
	HT/VHT20, M0 to M7	2	8	4.9	4.5			0.1	7.8	9.0	1.23
	HT/VHT20, M8 to M15	2	5	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20, M0 to M7	3	10	2.0	1.4	0.6		0.1	6.2	7.0	0.81
	HT/VHT20, M8 to M15	3	7	4.9	4.5	3.9		0.1	9.3	10.0	0.72
	HT/VHT20, M16 to M23	3	5	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20, M0 to M7	4	11	0.3	-0.6	-1.2	-1.5	0.1	5.4	6.0	0.62
0	HT/VHT20, M8 to M15	4	8	3.3	2.3	1.7	1.7	0.1	8.4	9.0	0.63
5260	HT/VHT20, M16 to M23	4	6	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
Ω	HT/VHT20, M24 to M31	4	5	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 Beam Forming, M0 to M7	2	8	4.9	4.5			0.1	7.8	9.0	1.23
	HT/VHT20 Beam Forming, M8 to M15	2	5	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20 Beam Forming, M0 to M7	3	10	2.0	1.4	0.6		0.1	6.2	7.0	0.81
	HT/VHT20 Beam Forming, M8 to M15	3	7	4.9	4.5	3.9		0.1	9.3	10.0	0.72
	HT/VHT20 Beam Forming, M16 to M23	3	5	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20 Beam Forming, M0 to M7	4	11	0.3	-0.6	-1.2	-1.5	0.1	5.4	6.0	0.62
	HT/VHT20 Beam Forming, M8 to M15	4	8	3.3	2.3	1.7	1.7	0.1	8.4	9.0	0.63
	HT/VHT20 Beam Forming, M16 to M23	4	6	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 Beam Forming, M24 to M31	4	5	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 STBC, M0 to M7	2	5	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20 STBC, M0 to M7	3	7	4.9	4.5	3.9		0.1	9.3	10.0	0.72
	HT/VHT20 STBC, M0 to M7	4	8	3.3	2.3	1.7	1.7	0.1	8.4	9.0	0.63
	HE20, M0 to M9 1ss	1	5	6.0				0.1	6.1	11.0	4.93
	HE20, M0 to M9 1ss	2	8	6.0	5.7			0.1	8.9	9.0	0.07

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	HE20, M0 to M9 2ss	2	5	6.0	5.7			0.1	8.9	11.0	2.07
	HE20, M0 to M9 1ss	3	10	2.2	1.3	8.0		0.1	6.3	7.0	0.69
	HE20, M0 to M9 2ss	3	7	5.0	4.9	4.2		0.1	9.6	10.0	0.45
	HE20, M0 to M9 3ss	3	5	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20, M0 to M9 1ss	4	11	0.4	-0.5	-0.9	-1.6	0.1	5.5	6.0	0.50
	HE20, M0 to M9 2ss	4	8	3.0	2.9	1.7	1.5	0.1	8.4	9.0	0.58
	HE20, M0 to M9 3ss	4	6	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20, M0 to M9 4ss	4	5	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20 Beam Forming, M0 to M9 1ss	2	8	6.0	5.7			0.1	8.9	9.0	0.07
	HE20 Beam Forming, M0 to M9 2ss	2	5	6.0	5.7			0.1	8.9	11.0	2.07
	HE20 Beam Forming, M0 to M9 1ss	3	10	2.2	1.3	8.0		0.1	6.3	7.0	0.69
	HE20 Beam Forming, M0 to M9 2ss	3	7	5.0	4.9	4.2		0.1	9.6	10.0	0.45
	HE20 Beam Forming, M0 to M9 3ss	3	5	6.0	5.7	4.7		0.1	10.3	11.0	0.66
	HE20 Beam Forming, M0 to M9 1ss	4	11	0.4	-0.5	-0.9	-1.6	0.1	5.5	6.0	0.50
	HE20 Beam Forming, M0 to M9 2ss	4	8	3.0	2.9	1.7	1.5	0.1	8.4	9.0	0.58
	HE20 Beam Forming, M0 to M9 3ss	4	6	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20 Beam Forming, M0 to M9 4ss	4	5	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
	HE20 STBC, M0 to M9 2ss	2	5	6.0	5.7			0.1	8.9	11.0	2.07
	HE20 STBC, M0 to M9 2ss	3	7	5.0	4.9	4.2		0.1	9.6	10.0	0.45
	HE20 STBC, M0 to M9 2ss	4	8	3.0	2.9	1.7	1.5	0.1	8.4	9.0	0.58
	Non HT40, 6 to 54 Mbps	1	5	3.6				0.0	3.6	11.0	7.36
	Non HT40, 6 to 54 Mbps	2	8	3.6	3.9			0.0	6.8	9.0	2.19
	Non HT40, 6 to 54 Mbps	3	10	2.0	2.8	1.2		0.0	6.9	7.0	0.14
	Non HT40, 6 to 54 Mbps	4	11	0.4	0.4	-0.4	-1.1	0.0	5.9	6.0	0.07
	HT/VHT40, M0 to M7	1	5	2.7				0.1			0.00
	UTA/UTAO MO to MZ							0.1	2.8	11.0	8.20
	HT/VHT40, M0 to M7	2	8	2.7	3.6			0.1	2.8 6.3	11.0 9.0	2.71
	HT/VHT40, M8 to M15	2	8 5		3.6						
				2.7		1.3		0.1	6.3	9.0	2.71
	HT/VHT40, M8 to M15	2	5	2.7 2.7	3.6	1.3		0.1 0.1	6.3 6.3	9.0 11.0	2.71 4.71
	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7	2	5 10	2.7 2.7 2.0	3.6 2.5			0.1 0.1 0.1	6.3 6.3 6.8	9.0 11.0 7.0	2.71 4.71 0.17
270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15	2 3 3	5 10 7	2.7 2.7 2.0 2.7	3.6 2.5 3.6	1.9	-1.3	0.1 0.1 0.1 0.1	6.3 6.3 6.8 7.7	9.0 11.0 7.0 10.0	2.71 4.71 0.17 2.34
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23	2 3 3 3	5 10 7 5	2.7 2.7 2.0 2.7 2.7	3.6 2.5 3.6 3.6	1.9 1.9	-1.3 1.7	0.1 0.1 0.1 0.1 0.1	6.3 6.3 6.8 7.7 7.7	9.0 11.0 7.0 10.0 11.0	2.71 4.71 0.17 2.34 3.34
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7	2 3 3 3 4	5 10 7 5 11	2.7 2.7 2.0 2.7 2.7 0.4	3.6 2.5 3.6 3.6 0.2	1.9 1.9 -1.4		0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.3 6.8 7.7 7.7 5.7	9.0 11.0 7.0 10.0 11.0 6.0	2.71 4.71 0.17 2.34 3.34 0.32
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15	2 3 3 4 4	5 10 7 5 11 8	2.7 2.7 2.0 2.7 2.7 0.4 2.7	3.6 2.5 3.6 3.6 0.2 3.6	1.9 1.9 -1.4 1.9	1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7	9.0 11.0 7.0 10.0 11.0 6.0 9.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23	2 3 3 4 4 4	5 10 7 5 11 8 6	2.7 2.7 2.0 2.7 2.7 0.4 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6	1.9 1.9 -1.4 1.9 1.9	1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7	9.0 11.0 7.0 10.0 11.0 6.0 9.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31	2 3 3 4 4 4 4	5 10 7 5 11 8 6 5	2.7 2.7 2.0 2.7 2.7 0.4 2.7 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6 3.6	1.9 1.9 -1.4 1.9 1.9	1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7 8.7	9.0 11.0 7.0 10.0 11.0 6.0 9.0 11.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34 2.34
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7	2 3 3 4 4 4 4 2	5 10 7 5 11 8 6 5	2.7 2.7 2.0 2.7 2.7 0.4 2.7 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6 3.6 3.6	1.9 1.9 -1.4 1.9 1.9	1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7 8.7 6.3	9.0 11.0 7.0 10.0 11.0 6.0 9.0 11.0 11.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34 2.71
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15	2 3 3 4 4 4 4 2 2	5 10 7 5 11 8 6 5 8	2.7 2.0 2.7 2.7 0.4 2.7 2.7 2.7 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6 3.6 3.6 3.6	1.9 1.9 -1.4 1.9 1.9	1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7 8.7 6.3	9.0 11.0 7.0 10.0 11.0 6.0 9.0 11.0 9.0 11.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34 2.34 2.71 4.71
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7	2 3 3 4 4 4 4 2 2 3	5 10 7 5 11 8 6 5 8 5	2.7 2.7 2.0 2.7 2.7 0.4 2.7 2.7 2.7 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6 3.6 3.6 3.6	1.9 1.9 -1.4 1.9 1.9 1.9	1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7 8.7 6.3 6.3	9.0 11.0 7.0 10.0 11.0 6.0 9.0 11.0 9.0 11.0 7.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34 2.71 4.71 1.28
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M8 to M15	2 3 3 4 4 4 4 2 2 3 3	5 10 7 5 11 8 6 5 8 5 10 7	2.7 2.7 2.0 2.7 2.7 0.4 2.7 2.7 2.7 2.7 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6 3.6 3.6 3.6 3.6	1.9 1.9 -1.4 1.9 1.9 1.9	1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7 8.7 6.3 6.3 5.7	9.0 11.0 7.0 10.0 11.0 6.0 9.0 11.0 9.0 11.0 7.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34 2.71 4.71 1.28 2.34
5270	HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M8 to M15	2 3 3 4 4 4 4 2 2 3 3 3	5 10 7 5 11 8 6 5 8 5 10 7	2.7 2.7 2.0 2.7 2.7 0.4 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.6 2.5 3.6 3.6 0.2 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.9 1.9 -1.4 1.9 1.9 1.9 -0.4 1.9	1.7 1.7 1.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	6.3 6.8 7.7 7.7 5.7 8.7 8.7 6.3 6.3 5.7 7.7	9.0 11.0 7.0 10.0 11.0 6.0 9.0 11.0 9.0 11.0 7.0 10.0	2.71 4.71 0.17 2.34 3.34 0.32 0.34 2.34 2.34 2.71 4.71 1.28 2.34 3.34

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	HT/VHT40 Beam Forming, M16 to M23	4	6	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40 Beam Forming, M24 to M31	4	5	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40 STBC, M0 to M7	2	5	2.7	3.6			0.1	6.3	11.0	4.71
	HT/VHT40 STBC, M0 to M7	3	7	2.7	3.6	1.9		0.1	7.7	10.0	2.34
	HT/VHT40 STBC, M0 to M7	4	8	2.0	2.5	1.3	0.9	0.1	7.8	9.0	1.16
	HE40, M0 to M9 1ss	1	5	3.1				0.1	3.2	11.0	7.77
	HE40, M0 to M9 1ss	2	8	3.1	3.5			0.1	6.4	9.0	2.56
	HE40, M0 to M9 2ss	2	5	3.1	3.5			0.1	6.4	11.0	4.56
	HE40, M0 to M9 1ss	3	10	2.1	2.8	1.0		0.1	6.9	7.0	0.07
	HE40, M0 to M9 2ss	3	7	3.1	3.5	1.6		0.1	7.7	10.0	2.30
	HE40, M0 to M9 3ss	3	5	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40, M0 to M9 1ss	4	11	0.0	0.4	-1.1	-1.1	0.1	5.7	6.0	0.25
	HE40, M0 to M9 2ss	4	8	3.1	3.5	1.6	2.1	0.1	8.8	9.0	0.21
	HE40, M0 to M9 3ss	4	6	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40, M0 to M9 4ss	4	5	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40 Beam Forming, M0 to M9 1ss	2	8	3.1	3.5			0.1	6.4	9.0	2.56
	HE40 Beam Forming, M0 to M9 2ss	2	5	3.1	3.5			0.1	6.4	11.0	4.56
	HE40 Beam Forming, M0 to M9 1ss	3	10	0.0	0.4	-1.1		0.1	4.7	7.0	2.29
	HE40 Beam Forming, M0 to M9 2ss	3	7	3.1	3.5	1.6		0.1	7.7	10.0	2.30
	HE40 Beam Forming, M0 to M9 3ss	3	5	3.1	3.5	1.6		0.1	7.7	11.0	3.30
	HE40 Beam Forming, M0 to M9 1ss	4	11	-1.6	-1.6	-3.1	-3.1	0.1	3.9	6.0	2.14
	HE40 Beam Forming, M0 to M9 2ss	4	8	1.2	1.6	-0.3	-0.3	0.1	6.8	9.0	2.22
	HE40 Beam Forming, M0 to M9 3ss	4	6	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40 Beam Forming, M0 to M9 4ss	4	5	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
	HE40 STBC, M0 to M9 2ss	2	5	3.1	3.5			0.1	6.4	11.0	4.56
	HE40 STBC, M0 to M9 2ss	3	7	3.1	3.5	1.6		0.1	7.7	10.0	2.30
	HE40 STBC, M0 to M9 2ss	4	8	2.1	2.8	1.0	0.9	0.1	7.9	9.0	1.08
					0		0.0	0	7.0	0.0	
	Non HT80, 6 to 54 Mbps	1	5	-5.1				0.1	-5.0	11.0	16.05
	Non HT80, 6 to 54 Mbps	2	8	-5.1	-5.2			0.1	-2.1	9.0	11.09
	Non HT80, 6 to 54 Mbps	3	10	-5.1	-5.2	-5.6		0.1	-0.5	7.0	7.47
	Non HT80, 6 to 54 Mbps	4	11	-5.1	-5.2	-5.6	-5.5	0.1	0.7	6.0	5.27
	VHT80, M0 to M9 1ss	1	5	-4.5	0.2	0.0	0.0	0.2	-4.3	11.0	15.28
	VHT80, M0 to M9 1ss	2	8	-4.5	-5.0			0.2	-1.5	9.0	10.52
0	VHT80, M0 to M9 2ss	2	5	-4.5	-5.0			0.2	-1.5	11.0	12.52
5290	VHT80, M0 to M9 2ss	3	10	-5.4	-6.1	-6.0		0.2	-0.8	7.0	7.84
4)	VHT80, M0 to M9 1ss VHT80, M0 to M9 2ss	3	7	-5.4 -5.4	-6.1	-6.0		0.2	-0.8	10.0	10.84
	VHT80, M0 to M9 2ss VHT80, M0 to M9 3ss	3	5	-5.4 -5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
		4	11				6.4				
	VHT80, M0 to M9 1ss			-5.4 5.4	-6.1	-6.0	-6.4	0.2	0.3	6.0	5.72
	VHT80, M0 to M9 2ss	4	8	-5.4	-6.1	-6.0	-6.4	0.2	0.3	9.0	8.72
	VHT80, M0 to M9 3ss	4	6	-5.4 5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	VHT80, M0 to M9 4ss	4	5	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72

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	VHT80 Beam Forming, M0 to M9 1ss	2	8	-6.0	-7.1			0.2	-3.3	9.0	12.29
	VHT80 Beam Forming, M0 to M9 2ss	2	5	-4.5	-5.0			0.2	-1.5	11.0	12.52
	VHT80 Beam Forming, M0 to M9 1ss	3	10	-7.8	-8.2	-8.0		0.2	-3.0	7.0	10.01
	VHT80 Beam Forming, M0 to M9 2ss	3	7	-6.0	-7.1	-7.4		0.2	-1.8	10.0	11.80
	VHT80 Beam Forming, M0 to M9 3ss	3	5	-5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
	VHT80 Beam Forming, M0 to M9 1ss	4	11	-8.3	-8.7	-8.7	-9.2	0.2	-2.5	6.0	8.48
	VHT80 Beam Forming, M0 to M9 2ss	4	8	-6.0	-7.1	-7.4	-7.1	0.2	-0.6	9.0	9.63
	VHT80 Beam Forming, M0 to M9 3ss	4	6	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	VHT80 Beam Forming, M0 to M9 4ss	4	5	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	VHT80 STBC, M0 to M9 1ss	2	5	-4.5	-5.0			0.2	-1.5	11.0	12.52
	VHT80 STBC, M0 to M9 1ss	3	5	-5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
	VHT80 STBC, M0 to M9 1ss	4	5	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
	HE80, M0 to M9 1ss	1	5	-3.3				0.3	-3.0	11.0	14.05
	HE80, M0 to M9 1ss	2	8	-5.1	-5.9			0.3	-2.2	9.0	11.22
	HE80, M0 to M9 2ss	2	5	-5.1	-5.9			0.3	-2.2	11.0	13.22
	HE80, M0 to M9 1ss	3	10	-5.1	-5.9	-5.7		0.3	-0.5	7.0	7.53
	HE80, M0 to M9 2ss	3	7	-5.1	-5.9	-5.7		0.3	-0.5	10.0	10.53
	HE80, M0 to M9 3ss	3	5	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80, M0 to M9 1ss	4	11	-5.1	-5.9	-5.7	-6.5	0.3	0.5	6.0	5.50
	HE80, M0 to M9 2ss	4	8	-5.1	-5.9	-5.7	-6.5	0.3	0.5	9.0	8.50
	HE80, M0 to M9 3ss	4	6	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80, M0 to M9 4ss	4	5	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80 Beam Forming, M0 to M9 1ss	2	8	-5.1	-5.9			0.3	-2.2	9.0	11.22
	HE80 Beam Forming, M0 to M9 2ss	2	5	-5.1	-5.9			0.3	-2.2	11.0	13.22
	HE80 Beam Forming, M0 to M9 1ss	3	10	-7.3	-7.6	-7.7		0.3	-2.5	7.0	9.51
	HE80 Beam Forming, M0 to M9 2ss	3	7	-5.4	-6.4	-6.4		0.3	-1.0	10.0	11.02
	HE80 Beam Forming, M0 to M9 3ss	3	5	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80 Beam Forming, M0 to M9 1ss	4	11	-7.5	-8.7	-8.5	-9.2	0.3	-2.2	6.0	8.16
	HE80 Beam Forming, M0 to M9 2ss	4	8	-7.3	-7.6	-7.7	-8.0	0.3	-1.4	9.0	10.37
	HE80 Beam Forming, M0 to M9 3ss	4	6	-5.4	-6.4	-6.4	-7.1	0.3	0.0	11.0	11.01
	HE80 Beam Forming, M0 to M9 4ss	4	5	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	HE80 STBC, M0 to M9 1ss	2	5	-5.1	-5.9	011	0.0	0.3	-2.2	11.0	13.22
	HE80 STBC, M0 to M9 1ss	3	5	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
	HE80 STBC, M0 to M9 1ss	4	5	-5.1	-5.9	-5.7	-6.5	0.3	0.5	11.0	10.50
	Tizos or zo, mo to mo roo	•	Ū	0	0.0	0.7	0.0	0.0	0.0	1110	10.00
	Non HT20, 6 to 54 Mbps	1	5	6.6				0.1	6.7	11.0	4.35
	Non HT20, 6 to 54 Mbps	2	8	5.3	5.0			0.1	8.2	9.0	0.79
	Non HT20, 6 to 54 Mbps	3	10	2.2	1.5	0.9		0.1	6.4	7.0	0.61
5300	Non HT20, 6 to 54 Mbps	4	11	0.3	-0.6	-1.2	-1.2	0.1	5.4	6.0	0.56
53	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	5.3	5.0	1.2	1.2	0.1	8.2	9.0	0.79
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	2.2	1.5	0.9		0.1	6.4	7.0	0.61
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	0.3	-0.6	-1.2	-1.2	0.1	5.4	6.0	0.56
	1101111120 Douill Folling, o to 04 Mbps	т	- 1 1	0.0	0.0	1.4	1.4	0.1	0.7	0.0	0.00

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HT/VHT20, M0 HT/VHT20, M0 HT/VHT20, M8	to M7	l 1 l	5	~ ~				0.4			
			J	6.2				0.1	6.3	11.0	4.75
HT/\/HT20 M8	to M7	2	8	5.1	4.5			0.1	7.9	9.0	1.13
111/ 111120, 1110	to M15	2	5	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20, M0	to M7	3	10	2.0	1.7	1.0		0.1	6.4	7.0	0.59
HT/VHT20, M8	to M15	3	7	5.1	4.5	3.7		0.1	9.3	10.0	0.71
HT/VHT20, M16	6 to M23	3	5	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20, M0	to M7	4	11	0.2	-0.6	-1.3	-1.3	0.1	5.4	6.0	0.63
HT/VHT20, M8	to M15	4	8	3.1	2.5	2.1	1.7	0.1	8.5	9.0	0.55
HT/VHT20, M16	6 to M23	4	6	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20, M24	ł to M31	4	5	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 Bear	m Forming, M0 to M7	2	8	5.1	4.5			0.1	7.9	9.0	1.13
HT/VHT20 Bear	m Forming, M8 to M15	2	5	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20 Bear	m Forming, M0 to M7	3	10	2.0	1.7	1.0		0.1	6.4	7.0	0.59
HT/VHT20 Bear	m Forming, M8 to M15	3	7	5.1	4.5	3.7		0.1	9.3	10.0	0.71
HT/VHT20 Bear	m Forming, M16 to M23	3	5	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20 Bear	m Forming, M0 to M7	4	11	0.2	-0.6	-1.3	-1.3	0.1	5.4	6.0	0.63
HT/VHT20 Bear	m Forming, M8 to M15	4	8	3.1	2.5	2.1	1.7	0.1	8.5	9.0	0.55
HT/VHT20 Bear	m Forming, M16 to M23	4	6	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 Bear	m Forming, M24 to M31	4	5	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 STB	C, M0 to M7	2	5	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20 STB	C, M0 to M7	3	7	5.1	4.5	3.7		0.1	9.3	10.0	0.71
HT/VHT20 STB	C, M0 to M7	4	8	3.1	2.5	2.1	1.7	0.1	8.5	9.0	0.55
HE20, M0 to M9) 1ss	1	5	6.1				0.1	6.2	11.0	4.83
HE20, M0 to M9) 1ss	2	8	5.6	5.1			0.1	8.4	9.0	0.56
HE20, M0 to M9) 2ss	2	5	6.1	6.3			0.1	9.3	11.0	1.72
HE20, M0 to M9) 1ss	3	10	2.0	1.4	0.9		0.1	6.3	7.0	0.70
HE20, M0 to M9) 2ss	3	7	5.6	5.1	3.9		0.1	9.8	10.0	0.24
HE20, M0 to M9) 3ss	3	5	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20, M0 to M9) 1ss	4	11	0.3	-0.4	-1.1	-1.1	0.1	5.6	6.0	0.45
HE20, M0 to M9) 2ss	4	8	3.2	2.9	1.9	1.9	0.1	8.6	9.0	0.40
HE20, M0 to M9) 3ss	4	6	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20, M0 to M9		4	5	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 Beam Fo	rming, M0 to M9 1ss	2	8	5.6	5.1			0.1	8.4	9.0	0.56
HE20 Beam Fo	rming, M0 to M9 2ss	2	5	6.1	6.3			0.1	9.3	11.0	1.72
	rming, M0 to M9 1ss	3	10	2.0	1.4	0.9		0.1	6.3	7.0	0.70
	rming, M0 to M9 2ss	3	7	5.6	5.1	3.9		0.1	9.8	10.0	0.24
	rming, M0 to M9 3ss	3	5	6.1	6.3	4.7		0.1	10.6	11.0	0.40
	rming, M0 to M9 1ss	4	11	0.3	-0.4	-1.1	-1.1	0.1	5.6	6.0	0.45
	rming, M0 to M9 2ss	4	8	3.2	2.9	1.9	1.9	0.1	8.6	9.0	0.40
	rming, M0 to M9 3ss	4	6	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
	rming, M0 to M9 4ss	4	5	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 STBC, M		2	5	6.1	6.3			0.1	9.3	11.0	1.72

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	HE20 STBC, M0 to M9 2ss	3	7	5.6	5.1	3.9		0.1	9.8	10.0	0.24
	HE20 STBC, M0 to M9 2ss	4	8	3.2	2.9	1.9	1.9	0.1	8.6	9.0	0.40
<u> </u>											
	Non HT40, 6 to 54 Mbps	1	5	-1.1				0.1	-1.0	11.0	12.05
	Non HT40, 6 to 54 Mbps	2	8	-1.1	-0.4			0.1	2.3	9.0	6.67
	Non HT40, 6 to 54 Mbps	3	10	-1.1	-0.4	-1.8		0.1	3.8	7.0	3.24
	Non HT40, 6 to 54 Mbps	4	11	-1.9	-1.7	-2.8	-2.4	0.1	3.9	6.0	2.11
	HT/VHT40, M0 to M7	1	5	-0.7				0.1	-0.6	11.0	11.65
	HT/VHT40, M0 to M7	2	8	-0.7	-0.7			0.1	2.4	9.0	6.64
	HT/VHT40, M8 to M15	2	5	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40, M0 to M7	3	10	-0.7	-0.7	-2.3		0.1	3.7	7.0	3.35
	HT/VHT40, M8 to M15	3	7	-0.7	-0.7	-2.3		0.1	3.7	10.0	6.35
	HT/VHT40, M16 to M23	3	5	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
	HT/VHT40, M0 to M7	4	11	-0.7	-0.7	-2.3	-2.2	0.1	4.7	6.0	1.33
	HT/VHT40, M8 to M15	4	8	-0.7	-0.7	-2.3	-2.2	0.1	4.7	9.0	4.33
	HT/VHT40, M16 to M23	4	6	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40, M24 to M31	4	5	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40 Beam Forming, M0 to M7	2	8	-2.1	-1.9			0.1	1.1	9.0	7.94
	HT/VHT40 Beam Forming, M8 to M15	2	5	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40 Beam Forming, M0 to M7	3	10	-2.8	-2.7	-3.8		0.1	1.8	7.0	5.25
	HT/VHT40 Beam Forming, M8 to M15	3	7	-2.1	-1.9	-3.3		0.1	2.4	10.0	7.57
	HT/VHT40 Beam Forming, M16 to M23	3	5	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
5310	HT/VHT40 Beam Forming, M0 to M7	4	11	-3.7	-4.2	-5.2	-5.5	0.1	1.5	6.0	4.52
5	HT/VHT40 Beam Forming, M8 to M15	4	8	-2.8	-2.7	-3.8	-4.5	0.1	2.7	9.0	6.31
	HT/VHT40 Beam Forming, M16 to M23	4	6	-2.1	-1.9	-3.3	-3.4	0.1	3.5	11.0	7.55
	HT/VHT40 Beam Forming, M24 to M31	4	5	-0.7	-0.7	-2.3	-2.2	0.1	4.7	11.0	6.33
	HT/VHT40 STBC, M0 to M7	2	5	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40 STBC, M0 to M7	3	7	-0.7	-0.7	-2.3		0.1	3.7	10.0	6.35
	HT/VHT40 STBC, M0 to M7	4	8	-0.7	-0.7	-2.3	-2.2	0.1	4.7	9.0	4.33
	HE40, M0 to M9 1ss	1	5	-0.8				0.1	-0.7	11.0	11.73
	HE40, M0 to M9 1ss	2	8	-1.8	-2.0			0.1	1.2	9.0	7.82
	HE40, M0 to M9 2ss	2	5	-1.8	-2.0			0.1	1.2	11.0	9.82
	HE40, M0 to M9 1ss	3	10	-1.8	-2.0	-3.2		0.1	2.5	7.0	4.45
	HE40, M0 to M9 2ss	3	7	-1.8	-2.0	-3.2		0.1	2.5	10.0	7.45
	HE40, M0 to M9 3ss	3	5	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40, M0 to M9 1ss	4	11	-1.8	-2.0	-3.2	-3.4	0.1	3.5	6.0	2.45
	HE40, M0 to M9 2ss	4	8	-1.8	-2.0	-3.2	-3.4	0.1	3.5	9.0	5.45
	HE40, M0 to M9 3ss	4	6	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40, M0 to M9 4ss	4	5	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 Beam Forming, M0 to M9 1ss	2	8	-1.8	-2.0			0.1	1.2	9.0	7.82
	HE40 Beam Forming, M0 to M9 2ss	2	5	-1.8	-2.0			0.1	1.2	11.0	9.82
	HE40 Beam Forming, M0 to M9 1ss	3	10	-3.7	-3.7	-4.9		0.1	0.8	7.0	6.23

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	HE40 Beam Forming, M0 to M9 2ss	3	7	-1.8	-2.0	-3.2		0.1	2.5	10.0	7.45
	HE40 Beam Forming, M0 to M9 3ss	3	5	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40 Beam Forming, M0 to M9 1ss	4	11	-6.1	-6.1	-7.1	-7.0	0.1	-0.5	6.0	6.46
	HE40 Beam Forming, M0 to M9 2ss	4	8	-2.9	-2.5	-3.9	-4.4	0.1	2.7	9.0	6.27
	HE40 Beam Forming, M0 to M9 3ss	4	6	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 Beam Forming, M0 to M9 4ss	4	5	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 STBC, M0 to M9 2ss	2	5	-1.8	-2.0			0.1	1.2	11.0	9.82
	HE40 STBC, M0 to M9 2ss	3	7	-1.8	-2.0	-3.2		0.1	2.5	10.0	7.45
	HE40 STBC, M0 to M9 2ss	4	8	-1.8	-2.0	-3.2	-3.4	0.1	3.5	9.0	5.45
	·						•		•	•	
	Non HT20, 6 to 54 Mbps	1	5	5.1				0.1	5.2	11.0	5.85
	Non HT20, 6 to 54 Mbps	2	8	5.1	4.9			0.1	8.1	9.0	0.94
	Non HT20, 6 to 54 Mbps	3	10	2.1	1.6	0.9		0.1	6.4	7.0	0.62
	Non HT20, 6 to 54 Mbps	4	11	0.0	-0.4	-0.9	-0.9	0.1	5.5	6.0	0.46
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	4.3	3.5			0.1	7.0	9.0	2.02
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	2.1	1.6	0.9		0.1	6.4	7.0	0.62
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	0.0	-0.4	-0.9	-0.9	0.1	5.5	6.0	0.46
	HT/VHT20, M0 to M7	1	5	4.8	0.1	0.0	0.0	0.1	4.9	11.0	6.15
	HT/VHT20, M0 to M7	2	8	3.7	3.5			0.1	6.7	9.0	2.34
	HT/VHT20, M8 to M15	2	5	3.7	3.5			0.1	6.7	11.0	4.34
	HT/VHT20, M0 to M7	3	10	1.8	1.4	0.7		0.1	6.1	7.0	0.85
	HT/VHT20, M8 to M15	3	7	3.7	3.5	3.0		0.1	8.2	10.0	1.77
	HT/VHT20, M16 to M23	3	5	3.7	3.5	3.0		0.1	8.2	11.0	2.77
	HT/VHT20, M0 to M7	4	11	0.1	-1.0	-1.1	-1.4	0.1	5.3	6.0	0.74
	HT/VHT20, M8 to M15	4	8	3.0	2.4	1.7	1.9	0.1	8.4	9.0	0.65
0	HT/VHT20, M16 to M23	4	6	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
5320	HT/VHT20, M24 to M31	4	5	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
4,	HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7	2	8	3.0	2.4	3.0	2.0	0.1	5.8	9.0	3.23
			5								
	HT/VHT20 Beam Forming, M8 to M15	3	10	3.7 1.8	3.5 1.4	0.7		0.1	6.7 6.1	11.0 7.0	4.34 0.85
	HT/VHT20 Beam Forming, M0 to M7										
	HT/VHT20 Beam Forming, M8 to M15	3	7	3.0	2.4	1.7		0.1	7.2	10.0	2.78
	HT/VHT20 Beam Forming, M16 to M23	3	5	3.7	3.5	3.0	4.4	0.1	8.2	11.0	2.77
	HT/VHT20 Beam Forming, M0 to M7	4	11	0.1	-1.0	-1.1	-1.4	0.1	5.3	6.0	0.74
	HT/VHT20 Beam Forming, M8 to M15	4	8	3.0	2.4	1.7	1.9	0.1	8.4	9.0	0.65
	HT/VHT20 Beam Forming, M16 to M23	4	6	3.0	2.4	1.7	1.9	0.1	8.4	11.0	2.65
	HT/VHT20 Beam Forming, M24 to M31	4	5	3.7	3.5	3.0	2.8	0.1	9.3	11.0	1.66
	HT/VHT20 STBC, M0 to M7	2	5	3.7	3.5	0.5		0.1	6.7	11.0	4.34
	HT/VHT20 STBC, M0 to M7	3	7	3.7	3.5	3.0	4.0	0.1	8.2	10.0	1.77
	HT/VHT20 STBC, M0 to M7	4	8	3.0	2.4	1.7	1.9	0.1	8.4	9.0	0.65
	HE20, M0 to M9 1ss	1	5	4.0				0.1	4.1	11.0	6.93
	HE20, M0 to M9 1ss	2	8	4.0	3.6			0.1	6.9	9.0	2.12
	HE20, M0 to M9 2ss	2	5	4.0	3.6			0.1	6.9	11.0	4.12

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	HE20, M0 to M9 1ss	3	10	2.0	1.3	8.0		0.1	6.2	7.0	0.77
	HE20, M0 to M9 2ss	3	7	3.1	2.3	1.9		0.1	7.3	10.0	2.70
	HE20, M0 to M9 3ss	3	5	3.1	2.3	1.9		0.1	7.3	11.0	3.70
	HE20, M0 to M9 1ss	4	11	0.0	-0.3	-1.2	-0.7	0.1	5.6	6.0	0.44
	HE20, M0 to M9 2ss	4	8	3.1	2.3	1.9	2.1	0.1	8.5	9.0	0.54
	HE20, M0 to M9 3ss	4	6	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
	HE20, M0 to M9 4ss	4	5	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
	HE20 Beam Forming, M0 to M9 1ss	2	8	2.0	1.3			0.1	4.7	9.0	4.26
	HE20 Beam Forming, M0 to M9 2ss	2	5	4.0	3.6			0.1	6.9	11.0	4.12
	HE20 Beam Forming, M0 to M9 1ss	3	10	2.0	1.3	8.0		0.1	6.2	7.0	0.77
	HE20 Beam Forming, M0 to M9 2ss	3	7	2.0	1.3	8.0		0.1	6.2	10.0	3.77
	HE20 Beam Forming, M0 to M9 3ss	3	5	3.1	2.3	1.9		0.1	7.3	11.0	3.70
	HE20 Beam Forming, M0 to M9 1ss	4	11	0.0	-0.3	-1.2	-0.7	0.1	5.6	6.0	0.44
	HE20 Beam Forming, M0 to M9 2ss	4	8	2.0	1.3	8.0	0.8	0.1	7.3	9.0	1.66
	HE20 Beam Forming, M0 to M9 3ss	4	6	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
	HE20 Beam Forming, M0 to M9 4ss	4	5	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
	HE20 STBC, M0 to M9 2ss	2	5	4.0	3.6			0.1	6.9	11.0	4.12
	HE20 STBC, M0 to M9 2ss	3	7	3.1	2.3	1.9		0.1	7.3	10.0	2.70
	HE20 STBC, M0 to M9 2ss	4	8	3.1	2.3	1.9	2.1	0.1	8.5	9.0	0.54
								-	<u> </u>		
	Non HT160, 6 to 54 Mbps	1	5	-4.3				0.1	-4.2	11.0	15.25
	Non HT160, 6 to 54 Mbps	2	8	-5.1	-9.5			0.1	-3.7	9.0	12.70
	Non HT160, 6 to 54 Mbps	3	10	-5.1	-9.5	-10.2		0.1	-2.8	7.0	9.82
	Non HT160, 6 to 54 Mbps	4	11	-5.1	-9.5	-10.2	-8.5	0.1	-1.8	6.0	7.77
	VHT160, M0 to M9 1ss	1	5	-5.6				0.1	-5.5	11.0	16.55
	VHT160, M0 to M9 1ss	2	8	-6.5	-9.4			0.1	-4.6	9.0	13.65
	VHT160, M0 to M9 2ss	2	5	-6.5	-9.4			0.1	-4.6	11.0	15.65
	VHT160, M0 to M9 1ss	3	10	-6.5	-9.4	-10.1		0.1	-3.5	7.0	10.55
	VHT160, M0 to M9 2ss	3	7	-6.5	-9.4	-10.1		0.1	-3.5	10.0	13.55
	VHT160, M0 to M9 3ss	3	5	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
100	VHT160, M0 to M9 1ss	4	11	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	6.0	8.69
5250	VHT160, M0 to M9 2ss	4	8	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	9.0	11.69
	VHT160, M0 to M9 3ss	4	6	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
	VHT160, M0 to M9 4ss	4	5	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
	VHT160 Beam Forming, M0 to M9 1ss	2	8	-7.7	-10.4			0.1	-5.8	9.0	14.78
	VHT160 Beam Forming, M0 to M9 2ss	2	5	-6.5	-9.4			0.1	-4.6	11.0	15.65
	VHT160 Beam Forming, M0 to M9 1ss	3	10	-8.9	-11.6	-12.0		0.1	-5.8	7.0	12.78
	VHT160 Beam Forming, M0 to M9 2ss	3	7	-7.7	-10.4	-10.7		0.1	-4.6	10.0	14.55
	VHT160 Beam Forming, M0 to M9 3ss	3	5	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
	VHT160 Beam Forming, M0 to M9 1ss	4	11	-8.9	-11.6	-12.0	-12.4	0.1	-4.9	6.0	10.91
	VHT160 Beam Forming, M0 to M9 2ss	4	8	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	9.0	12.69
	VHT160 Beam Forming, M0 to M9 3ss	4	6	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	11.0	14.69
	<u> </u>										

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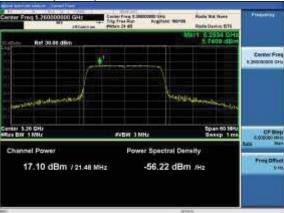


VHT160 Beam Forming, M0 to M9 4ss	4	5	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
VHT160 STBC, M0 to M9 1ss	2	5	-6.5	-9.4			0.1	-4.6	11.0	15.65
VHT160 STBC, M0 to M9 1ss	3	5	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
VHT160 STBC, M0 to M9 1ss	4	5	-6.5	-9.4	-10.1	-10.2	0.1	-2.7	11.0	13.69
HE160, M0 to M9 1ss	1	5	-4.9				0.1	-4.8	11.0	15.83
HE160, M0 to M9 1ss	2	8	-4.9	-7.0			0.1	-2.7	9.0	11.75
HE160, M0 to M9 2ss	2	5	-4.9	-7.0			0.1	-2.7	11.0	13.75
HE160, M0 to M9 1ss	3	10	-4.9	-7.0	-7.8		0.1	-1.5	7.0	8.55
HE160, M0 to M9 2ss	3	7	-4.9	-7.0	-7.8		0.1	-1.5	10.0	11.55
HE160, M0 to M9 3ss	3	5	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160, M0 to M9 1ss	4	11	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	6.0	7.54
HE160, M0 to M9 2ss	4	8	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	9.0	10.54
HE160, M0 to M9 3ss	4	6	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160, M0 to M9 4ss	4	5	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160 Beam Forming, M0 to M9 1ss	2	8	-5.5	-8.5			0.1	-3.7	9.0	12.67
HE160 Beam Forming, M0 to M9 2ss	2	5	-4.9	-7.0			0.1	-2.7	11.0	13.75
HE160 Beam Forming, M0 to M9 1ss	3	10	-7.1	-10.2	-10.9		0.1	-4.2	7.0	11.23
HE160 Beam Forming, M0 to M9 2ss	3	7	-5.5	-8.5	-8.8		0.1	-2.5	10.0	12.49
HE160 Beam Forming, M0 to M9 3ss	3	5	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160 Beam Forming, M0 to M9 1ss	4	11	-8.6	-11.0	-11.7	-12.1	0.1	-4.5	6.0	10.53
HE160 Beam Forming, M0 to M9 2ss	4	8	-6.3	-8.8	-9.9	-9.8	0.1	-2.3	9.0	11.35
HE160 Beam Forming, M0 to M9 3ss	4	6	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160 Beam Forming, M0 to M9 4ss	4	5	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160 STBC, M0 to M9 1ss	2	5	-4.9	-7.0			0.1	-2.7	11.0	13.75
HE160 STBC, M0 to M9 1ss	3	5	-4.9	-7.0	-7.8		0.1	-1.5	11.0	12.55
HE160 STBC, M0 to M9 1ss	4	5	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54









Antenna A Antenna B



A.5 Conducted Spurious Emissions

Conducted Spurious Emissions Test Requirement

15.407(b) *Undesirable emission limits.* Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.

Use formula below to substitute conducted measurements in place of radiated measurements

E[dBμV/m] = EIRP[dBm] - 20 log(d[meters]) + 104.77, where E = field strength and d = 3 meter

- 1) Average Plot, Limit= -41.25 dBm eirp
- 2) Peak plot, Limit = -21.25 dBm eirp

Conducted Spurious Emissions Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Ref. ANSI C63.10: 2013

Conducted Spurious Emissions

Test Procedure

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Place the radio in continuous transmit mode
- 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).
- 4. Use the peak marker function to determine the maximum spurs amplitude level.
- 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2)
- 6. Capture graphs and record pertinent measurement data.

Ref. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions Test parameters	
Peak	Average
RBW = 1 MHz	RBW = 1 MHz
$VBW \ge 3 MHz$	$VBW \ge 3 MHz$
Sweep = Auto	Sweep = Auto

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Detector = Peak	Detector = RMS
Trace = Max Hold.	Power Averaging

Add the max antenna gain + ground reflection factor (4.7 dB for frequencies between 30 MHz and 1000 MHz, and 0 dB for frequencies > 1000 MHz).

Samples, Systems, and Modes

System	Description	Samples	System under	Support
Number		-	test	equipment
4	EUT	S01	\checkmark	
1	Support			\checkmark

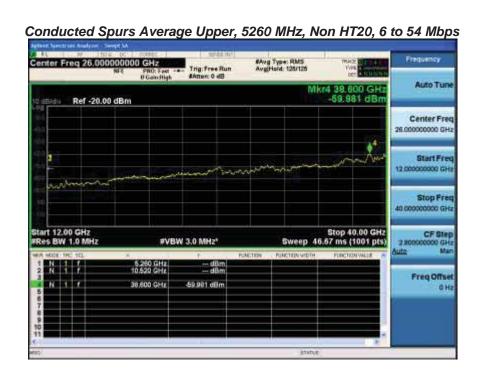
Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Tx 3 Spur Power (dBm)	Tx 4 Spur Power (dBm)	Duty Cycle Correction (dB)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	5	-60.6				0.1	-55.5	-41.25	14.30
	Non HT20, 6 to 54 Mbps	2	5	-61.3	-57.4			0.1	-50.9	-41.25	9.62
	Non HT20, 6 to 54 Mbps	3	5	-63.6	-59.1	-61.4		0.1	-51.2	-41.25	9.91
	Non HT20, 6 to 54 Mbps	4	5	-64.9	-61.2	-63.6	-63.6	0.1	-52.0	-41.25	10.79
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-61.3	-57.4			0.1	-47.9	-41.25	6.62
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	-63.6	-59.1	-61.4		0.1	-46.2	-41.25	4.91
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	-64.9	-61.2	-63.6	-63.6	0.1	-46.0	-41.25	4.79
	HT/VHT20, M0 to M7	1	5	-60.6				0.1	-55.5	-41.25	14.30
	HT/VHT20, M0 to M7	2	5	-61.2	-57.4			0.1	-50.8	-41.25	9.58
	HT/VHT20, M8 to M15	2	5	-60.6	-56.7			0.1	-50.2	-41.25	8.91
	HT/VHT20, M0 to M7	3	5	-63.5	-59.2	-61.5		0.1	-51.2	-41.25	9.97
	HT/VHT20, M8 to M15	3	5	-61.2	-57.4	-59.8		0.1	-49.4	-41.25	8.10
	HT/VHT20, M16 to M23	3	5	-60.6	-56.7	-59.0		0.1	-48.6	-41.25	7.40
	HT/VHT20, M0 to M7	4	5	-64.9	-61.4	-63.7	-63.6	0.1	-52.1	-41.25	10.88
	HT/VHT20, M8 to M15	4	5	-63.1	-58.6	-60.7	-60.7	0.1	-49.4	-41.25	8.17
5260	HT/VHT20, M16 to M23	4	5	-61.2	-57.4	-59.8	-59.7	0.1	-48.2	-41.25	6.98
4)	HT/VHT20, M24 to M31	4	5	-61.2	-57.4	-59.8	-59.7	0.1	-48.2	-41.25	6.98
	HT/VHT20 Beam Forming, M0 to M7	2	8	-61.2	-57.4			0.1	-47.8	-41.25	6.58
	HT/VHT20 Beam Forming, M8 to M15	2	5	-60.6	-56.7			0.1	-50.2	-41.25	8.91
	HT/VHT20 Beam Forming, M0 to M7	3	10	-63.5	-59.2	-61.5		0.1	-46.2	-41.25	4.97
	HT/VHT20 Beam Forming, M8 to M15	3	7	-61.2	-57.4	-59.8		0.1	-47.4	-41.25	6.10
	HT/VHT20 Beam Forming, M16 to M23	3	5	-60.6	-56.7	-59.0		0.1	-48.6	-41.25	7.40
	HT/VHT20 Beam Forming, M0 to M7	4	11	-64.9	-61.4	-63.7	-63.6	0.1	-46.1	-41.25	4.88
	HT/VHT20 Beam Forming, M8 to M15	4	8	-63.1	-58.6	-60.7	-60.7	0.1	-46.4	-41.25	5.17
	HT/VHT20 Beam Forming, M16 to M23	4	6	-61.2	-57.4	-59.8	-59.7	0.1	-47.2	-41.25	5.98
	HT/VHT20 Beam Forming, M24 to M31	4	5	-61.2	-57.4	-59.8	-59.7	0.1	-48.2	-41.25	6.98
	HT/VHT20 STBC, M0 to M7	2	5	-60.6	-56.7			0.1	-50.2	-41.25	8.91
	HT/VHT20 STBC, M0 to M7	3	5	-61.2	-57.4	-59.8		0.1	-49.4	-41.25	8.10
	HT/VHT20 STBC, M0 to M7	4	5	-63.1	-58.6	-60.7	-60.7	0.1	-49.4	-41.25	8.17
	HE20, M0 to M9 1ss	1	5	-60.8				0.1	-55.7	-41.25	14.48
	HE20, M0 to M9 1ss	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.88

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	HE20, M0 to M9 2ss	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.88
	HE20, M0 to M9 1ss	3	5	-63.6	-59.1	-61.3		0.1	-51.1	-41.25	9.87
	HE20, M0 to M9 2ss	3	5	-61.2	-57.5	-59.4		0.1	-49.3	-41.25	8.02
	HE20, M0 to M9 3ss	3	5	-60.8	-56.6	-58.8		0.1	-48.6	-41.25	7.31
	HE20, M0 to M9 1ss	4	5	-64.6	-61.4	-63.6	-63.6	0.1	-52.0	-41.25	10.79
	HE20, M0 to M9 2ss	4	5	-63.0	-58.5	-60.8	-60.8	0.1	-49.4	-41.25	8.15
	HE20, M0 to M9 3ss	4	5	-61.2	-57.5	-59.4	-59.7	0.1	-48.2	-41.25	6.91
	HE20, M0 to M9 4ss	4	5	-61.2	-57.5	-59.4	-59.7	0.1	-48.2	-41.25	6.91
	HE20 Beam Forming, M0 to M9 1ss	2	8	-60.8	-56.6			0.1	-47.1	-41.25	5.88
	HE20 Beam Forming, M0 to M9 2ss	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.88
	HE20 Beam Forming, M0 to M9 1ss	3	10	-63.6	-59.1	-61.3		0.1	-46.1	-41.25	4.87
	HE20 Beam Forming, M0 to M9 2ss	3	7	-61.2	-57.5	-59.4		0.1	-47.3	-41.25	6.02
	HE20 Beam Forming, M0 to M9 3ss	3	5	-60.8	-56.6	-58.8		0.1	-48.6	-41.25	7.31
	HE20 Beam Forming, M0 to M9 1ss	4	11	-64.6	-61.4	-63.6	-63.6	0.1	-46.0	-41.25	4.79
	HE20 Beam Forming, M0 to M9 2ss	4	8	-63.0	-58.5	-60.8	-60.8	0.1	-46.4	-41.25	5.15
	HE20 Beam Forming, M0 to M9 3ss	4	6	-61.2	-57.5	-59.4	-59.7	0.1	-47.2	-41.25	5.91
	HE20 Beam Forming, M0 to M9 4ss	4	5	-61.2	-57.5	-59.4	-59.7	0.1	-48.2	-41.25	6.91
	HE20 STBC, M0 to M9 2ss	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.88
	HE20 STBC, M0 to M9 2ss	3	5	-61.2	-57.5	-59.4		0.1	-49.3	-41.25	8.02
	HE20 STBC, M0 to M9 2ss	4	5	-63.0	-58.5	-60.8	-60.8	0.1	-49.4	-41.25	8.15
	Non HT40, 6 to 54 Mbps	1	5	-61.1				0.0	-56.1	-41.25	14.81
	Non HT40, 6 to 54 Mbps	2	5	-61.1	-56.0			0.0	-49.8	-41.25	8.54
	Non HT40, 6 to 54 Mbps	3	5	-61.5	-57.1	-59.3		0.0	-49.1	-41.25	7.87
	Non HT40, 6 to 54 Mbps	4	5	-63.2	-58.3	-60.5	-60.5	0.0	-49.2	-41.25	7.98
	HT/VHT40, M0 to M7	1	5	-60.8				0.1	-55.7	-41.25	14.45
	HT/VHT40, M0 to M7	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.85
	HT/VHT40, M8 to M15	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.85
	HT/VHT40, M0 to M7	3	5	-61.5	-57.1	-59.6		0.1	-49.2	-41.25	7.90
	HT/VHT40, M8 to M15	3	5	-60.8	-56.6	-58.6		0.1	-48.5	-41.25	7.21
	HT/VHT40, M16 to M23	3	5	-60.8	-56.6	-58.6		0.1	-48.5	-41.25	7.21
5270	HT/VHT40, M0 to M7	4	5	-63.2	-58.4	-60.8	-61.0	0.1	-49.4	-41.25	8.15
2	HT/VHT40, M8 to M15	4	5	-60.8	-56.6	-58.6	-58.9	0.1	-47.3	-41.25	6.10
	HT/VHT40, M16 to M23	4	5	-60.8	-56.6	-58.6	-58.9	0.1	-47.3	-41.25	6.10
	HT/VHT40, M24 to M31	4	5	-60.8	-56.6	-58.6	-58.9	0.1	-47.3	-41.25	6.10
	HT/VHT40 Beam Forming, M0 to M7	2	8	-60.8	-56.6			0.1	-47.1	-41.25	5.85
	HT/VHT40 Beam Forming, M8 to M15	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.85
	HT/VHT40 Beam Forming, M0 to M7	3	10	-62.9	-57.8	-60.2		0.1	-44.9	-41.25	3.70
	HT/VHT40 Beam Forming, M8 to M15	3	7	-60.8	-56.6	-58.6		0.1	-46.5	-41.25	5.21
	HT/VHT40 Beam Forming, M16 to M23	3	5	-60.8	-56.6	-58.6		0.1	-48.5	-41.25	7.21
	HT/VHT40 Beam Forming, M0 to M7	4	11	-63.8	-59.0	-61.3	-62.4	0.1	-44.1	-41.25	2.89
	HT/VHT40 Beam Forming, M8 to M15	4	8	-61.5	-57.1	-59.6	-59.7	0.1	-45.1	-41.25	3.81

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	HT/VHT40 Beam Forming, M16 to M23	4	6	-60.8	-56.6	-58.6	-58.9	0.1	-46.3	-41.25	5.10
	HT/VHT40 Beam Forming, M24 to M31	4	5	-60.8	-56.6	-58.6	-58.9	0.1	-47.3	-41.25	6.10
	HT/VHT40 STBC, M0 to M7	2	5	-60.8	-56.6			0.1	-50.1	-41.25	8.85
	HT/VHT40 STBC, M0 to M7	3	5	-60.8	-56.6	-58.6		0.1	-48.5	-41.25	7.21
	HT/VHT40 STBC, M0 to M7	4	5	-61.5	-57.1	-59.6	-59.7	0.1	-48.1	-41.25	6.81
	HE40, M0 to M9 1ss	1	5	-60.9				0.1	-55.8	-41.25	14.52
	HE40, M0 to M9 1ss	2	5	-60.9	-56.1			0.1	-49.7	-41.25	8.48
	HE40, M0 to M9 2ss	2	5	-60.9	-56.1			0.1	-49.7	-41.25	8.48
	HE40, M0 to M9 1ss	3	5	-61.3	-57.1	-59.4		0.1	-49.0	-41.25	7.78
	HE40, M0 to M9 2ss	3	5	-60.9	-56.1	-58.7		0.1	-48.2	-41.25	6.98
	HE40, M0 to M9 3ss	3	5	-60.9	-56.1	-58.7		0.1	-48.2	-41.25	6.98
	HE40, M0 to M9 1ss	4	5	-63.5	-58.2	-60.7	-60.6	0.1	-49.2	-41.25	7.96
	HE40, M0 to M9 2ss	4	5	-60.9	-56.1	-58.7	-58.6	0.1	-47.1	-41.25	5.85
	HE40, M0 to M9 3ss	4	5	-60.9	-56.1	-58.7	-58.6	0.1	-47.1	-41.25	5.85
	HE40, M0 to M9 4ss	4	5	-60.9	-56.1	-58.7	-58.6	0.1	-47.1	-41.25	5.85
	HE40 Beam Forming, M0 to M9 1ss	2	8	-60.9	-56.1			0.1	-46.7	-41.25	5.48
	HE40 Beam Forming, M0 to M9 2ss	2	5	-60.9	-56.1			0.1	-49.7	-41.25	8.48
	HE40 Beam Forming, M0 to M9 1ss	3	10	-63.5	-58.2	-60.7		0.1	-45.4	-41.25	4.14
	HE40 Beam Forming, M0 to M9 2ss	3	7	-60.9	-56.1	-58.7		0.1	-46.2	-41.25	4.98
	HE40 Beam Forming, M0 to M9 3ss	3	5	-60.9	-56.1	-58.7		0.1	-48.2	-41.25	6.98
	HE40 Beam Forming, M0 to M9 1ss	4	11	-64.3	-59.8	-62.9	-62.6	0.1	-44.9	-41.25	3.68
	HE40 Beam Forming, M0 to M9 2ss	4	8	-62.6	-57.9	-60.1	-60.2	0.1	-45.7	-41.25	4.49
	HE40 Beam Forming, M0 to M9 3ss	4	6	-60.9	-56.1	-58.7	-58.6	0.1	-46.1	-41.25	4.85
	HE40 Beam Forming, M0 to M9 4ss	4	5	-60.9	-56.1	-58.7	-58.6	0.1	-47.1	-41.25	5.85
	HE40 STBC, M0 to M9 2ss	2	5	-60.9	-56.1			0.1	-49.7	-41.25	8.48
	HE40 STBC, M0 to M9 2ss	3	5	-60.9	-56.1	-58.7		0.1	-48.2	-41.25	6.98
	HE40 STBC, M0 to M9 2ss	4	5	-61.3	-57.1	-59.4	-59.5	0.1	-47.9	-41.25	6.67
	Non HT80, 6 to 54 Mbps	1	5	-64.5				0.1	-59.4	-41.25	18.20
	Non HT80, 6 to 54 Mbps	2	5	-64.5	-60.4			0.1	-53.9	-41.25	12.67
	Non HT80, 6 to 54 Mbps	3	5	-64.5	-60.4	-61.3		0.1	-51.9	-41.25	10.67
	Non HT80, 6 to 54 Mbps	4	5	-64.5	-60.4	-61.3	-61.6	0.1	-50.6	-41.25	9.39
	VHT80, M0 to M9 1ss	1	5	-64.1				0.2	-58.9	-41.25	17.63
	VHT80, M0 to M9 1ss	2	5	-64.1	-59.5			0.2	-53.0	-41.25	11.74
06	VHT80, M0 to M9 2ss	2	5	-64.1	-59.5			0.2	-53.0	-41.25	11.74
5290	VHT80, M0 to M9 1ss	3	5	-64.6	-61.4	-61.7		0.2	-52.4	-41.25	11.11
	VHT80, M0 to M9 2ss	3	5	-64.6	-61.4	-61.7		0.2	-52.4	-41.25	11.11
	VHT80, M0 to M9 3ss	3	5	-64.6	-61.4	-61.7		0.2	-52.4	-41.25	11.11
	VHT80, M0 to M9 1ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92
	VHT80, M0 to M9 2ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92
	VHT80, M0 to M9 3ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92
	VHT80, M0 to M9 4ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92

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	VHT80 Beam Forming, M0 to M9 1ss	2	8	-65.2	-61.7			0.2	-51.9	-41.25	10.63
	VHT80 Beam Forming, M0 to M9 2ss	2	5	-64.1	-59.5			0.2	-53.0	-41.25	11.74
	VHT80 Beam Forming, M0 to M9 1ss	3	10	-66.8	-62.5	-64.0		0.2	-49.1	-41.25	7.85
	VHT80 Beam Forming, M0 to M9 2ss	3	7	-65.2	-61.7	-63.4		0.2	-51.2	-41.25	9.97
	VHT80 Beam Forming, M0 to M9 3ss	3	5	-64.6	-61.4	-61.7		0.2	-52.4	-41.25	11.11
	VHT80 Beam Forming, M0 to M9 1ss	4	11	-67.4	-62.8	-64.5	-64.2	0.2	-47.2	-41.25	5.95
	VHT80 Beam Forming, M0 to M9 2ss	4	8	-65.2	-61.7	-63.4	-62.9	0.2	-48.9	-41.25	7.64
	VHT80 Beam Forming, M0 to M9 3ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92
	VHT80 Beam Forming, M0 to M9 4ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92
	VHT80 STBC, M0 to M9 1ss	2	5	-64.1	-59.5			0.2	-53.0	-41.25	11.74
	VHT80 STBC, M0 to M9 1ss	3	5	-64.6	-61.4	-61.7		0.2	-52.4	-41.25	11.11
	VHT80 STBC, M0 to M9 1ss	4	5	-64.6	-61.4	-61.7	-62.6	0.2	-51.2	-41.25	9.92
	HE80, M0 to M9 1ss	1	5	-64.1				0.3	-58.8	-41.25	17.60
	HE80, M0 to M9 1ss	2	5	-64.8	-61.0			0.3	-54.2	-41.25	12.99
	HE80, M0 to M9 2ss	2	5	-64.8	-61.0			0.3	-54.2	-41.25	12.99
	HE80, M0 to M9 1ss	3	5	-64.8	-61.0	-61.6		0.3	-52.2	-41.25	10.91
	HE80, M0 to M9 2ss	3	5	-64.8	-61.0	-61.6		0.3	-52.2	-41.25	10.91
	HE80, M0 to M9 3ss	3	5	-64.8	-61.0	-61.6		0.3	-52.2	-41.25	10.91
	HE80, M0 to M9 1ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
	HE80, M0 to M9 2ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
	HE80, M0 to M9 3ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
	HE80, M0 to M9 4ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
	HE80 Beam Forming, M0 to M9 1ss	2	8	-64.8	-61.0			0.3	-51.2	-41.25	9.99
	HE80 Beam Forming, M0 to M9 2ss	2	5	-64.8	-61.0			0.3	-54.2	-41.25	12.99
	HE80 Beam Forming, M0 to M9 1ss	3	10	-67.0	-62.1	-63.8		0.3	-48.8	-41.25	7.59
	HE80 Beam Forming, M0 to M9 2ss	3	7	-65.2	-61.4	-63.5		0.3	-51.1	-41.25	9.82
	HE80 Beam Forming, M0 to M9 3ss	3	5	-64.8	-61.0	-61.6		0.3	-52.2	-41.25	10.91
	HE80 Beam Forming, M0 to M9 1ss	4	11	-67.4	-62.5	-64.4	-64.0	0.3	-47.0	-41.25	5.72
	HE80 Beam Forming, M0 to M9 2ss	4	8	-67.0	-62.1	-63.8	-63.6	0.3	-49.5	-41.25	8.27
	HE80 Beam Forming, M0 to M9 3ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
	HE80 Beam Forming, M0 to M9 4ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
	HE80 STBC, M0 to M9 1ss	2	5	-64.8	-61.0			0.3	-54.2	-41.25	12.99
	HE80 STBC, M0 to M9 1ss	3	5	-64.8	-61.0	-61.6		0.3	-52.2	-41.25	10.91
	HE80 STBC, M0 to M9 1ss	4	5	-64.8	-61.0	-61.6	-62.5	0.3	-51.0	-41.25	9.73
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	Non HT20, 6 to 54 Mbps	1	5	-60.2				0.1	-55.1	-41.25	13.90
	Non HT20, 6 to 54 Mbps	2	5	-60.8	-56.5			0.1	-50.1	-41.25	8.83
	Non HT20, 6 to 54 Mbps	3	5	-63.3	-58.5	-61.0		0.1	-50.7	-41.25	9.43
5300	Non HT20, 6 to 54 Mbps	4	5	-64.5	-60.6	-63.2	-63.3	0.1	-51.6	-41.25	10.33
5	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-60.8	-56.5			0.1	-47.1	-41.25	5.83
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	-63.3	-58.5	-61.0		0.1	-45.7	-41.25	4.43
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	-64.5	-60.6	-63.2	-63.3	0.1	-45.6	-41.25	4.33

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HT/VHT20, M0 to M7	1	5	-60.2				0.1	-55.1	-41.25	13.90
HT/VHT20, M0 to M7	2	5	-61.3	-56.5			0.1	-50.2	-41.25	8.96
HT/VHT20, M8 to M15	2	5	-60.2	-55.8			0.1	-49.4	-41.25	8.15
HT/VHT20, M0 to M7	3	5	-63.1	-58.8	-61.1		0.1	-50.8	-41.25	9.57
HT/VHT20, M8 to M15	3	5	-61.3	-56.5	-59.3		0.1	-48.8	-41.25	7.51
HT/VHT20, M16 to M23	3	5	-60.2	-55.8	-58.6		0.1	-48.0	-41.25	6.74
HT/VHT20, M0 to M7	4	5	-64.4	-60.8	-63.2	-63.3	0.1	-51.6	-41.25	10.39
HT/VHT20, M8 to M15	4	5	-62.6	-58.1	-60.5	-60.5	0.1	-49.1	-41.25	7.81
HT/VHT20, M16 to M23	4	5	-61.3	-56.5	-59.3	-59.4	0.1	-47.7	-41.25	6.45
HT/VHT20, M24 to M31	4	5	-61.3	-56.5	-59.3	-59.4	0.1	-47.7	-41.25	6.45
HT/VHT20 Beam Forming, M0 to M7	2	8	-61.3	-56.5			0.1	-47.2	-41.25	5.96
HT/VHT20 Beam Forming, M8 to M15	2	5	-60.2	-55.8			0.1	-49.4	-41.25	8.15
HT/VHT20 Beam Forming, M0 to M7	3	10	-63.1	-58.8	-61.1		0.1	-45.8	-41.25	4.57
HT/VHT20 Beam Forming, M8 to M15	3	7	-61.3	-56.5	-59.3		0.1	-46.8	-41.25	5.51
HT/VHT20 Beam Forming, M16 to M23	3	5	-60.2	-55.8	-58.6		0.1	-48.0	-41.25	6.74
HT/VHT20 Beam Forming, M0 to M7	4	11	-64.4	-60.8	-63.2	-63.3	0.1	-45.6	-41.25	4.39
HT/VHT20 Beam Forming, M8 to M15	4	8	-62.6	-58.1	-60.5	-60.5	0.1	-46.1	-41.25	4.81
HT/VHT20 Beam Forming, M16 to M23	4	6	-61.3	-56.5	-59.3	-59.4	0.1	-46.7	-41.25	5.45
HT/VHT20 Beam Forming, M24 to M31	4	5	-61.3	-56.5	-59.3	-59.4	0.1	-47.7	-41.25	6.45
HT/VHT20 STBC, M0 to M7	2	5	-60.2	-55.8			0.1	-49.4	-41.25	8.15
HT/VHT20 STBC, M0 to M7	3	5	-61.3	-56.5	-59.3		0.1	-48.8	-41.25	7.51
HT/VHT20 STBC, M0 to M7	4	5	-62.6	-58.1	-60.5	-60.5	0.1	-49.1	-41.25	7.81
HE20, M0 to M9 1ss	1	5	-60.2				0.1	-55.1	-41.25	13.88
HE20, M0 to M9 1ss	2	5	-61.3	-56.3			0.1	-50.0	-41.25	8.79
HE20, M0 to M9 2ss	2	5	-60.2	-55.9			0.1	-49.5	-41.25	8.21
HE20, M0 to M9 1ss	3	5	-62.9	-58.5	-60.8		0.1	-50.5	-41.25	9.28
HE20, M0 to M9 2ss	3	5	-61.3	-56.3	-59.1		0.1	-48.6	-41.25	7.33
HE20, M0 to M9 3ss	3	5	-60.2	-55.9	-58.3		0.1	-47.9	-41.25	6.69
HE20, M0 to M9 1ss	4	5	-64.0	-60.6	-63.1	-63.0	0.1	-51.4	-41.25	10.14
HE20, M0 to M9 2ss	4	5	-62.5	-57.9	-60.5	-60.5	0.1	-48.9	-41.25	7.70
HE20, M0 to M9 3ss	4	5	-61.3	-56.3	-59.1	-59.3	0.1	-47.5	-41.25	6.29
HE20, M0 to M9 4ss	4	5	-61.3	-56.3	-59.1	-59.3	0.1	-47.5	-41.25	6.29
HE20 Beam Forming, M0 to M9 1ss	2	8	-61.3	-56.3			0.1	-47.0	-41.25	5.79
HE20 Beam Forming, M0 to M9 2ss	2	5	-60.2	-55.9			0.1	-49.5	-41.25	8.21
HE20 Beam Forming, M0 to M9 1ss	3	10	-62.9	-58.5	-60.8		0.1	-45.5	-41.25	4.28
HE20 Beam Forming, M0 to M9 2ss	3	7	-61.3	-56.3	-59.1		0.1	-46.6	-41.25	5.33
HE20 Beam Forming, M0 to M9 3ss	3	5	-60.2	-55.9	-58.3		0.1	-47.9	-41.25	6.69
HE20 Beam Forming, M0 to M9 1ss	4	11	-64.0	-60.6	-63.1	-63.0	0.1	-45.4	-41.25	4.14
HE20 Beam Forming, M0 to M9 2ss	4	8	-62.5	-57.9	-60.5	-60.5	0.1	-45.9	-41.25	4.70
HE20 Beam Forming, M0 to M9 3ss	4	6	-61.3	-56.3	-59.1	-59.3	0.1	-46.5	-41.25	5.29
HE20 Beam Forming, M0 to M9 4ss	4	5	-61.3	-56.3	-59.1	-59.3	0.1	-47.5	-41.25	6.29
HE20 STBC, M0 to M9 2ss	2	5	-60.2	-55.9			0.1	-49.5	-41.25	8.21

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	HE20 STBC, M0 to M9 2ss	3	5	-61.3	-56.3	-59.1		0.1	-48.6	-41.25	7.33
	HE20 STBC, M0 to M9 2ss	4	5	-62.5	-57.9	-60.5	-60.5	0.1	-48.9	-41.25	7.70
	Non HT40, 6 to 54 Mbps	1	5	-63.7				0.1	-58.6	-41.25	17.40
	Non HT40, 6 to 54 Mbps	2	5	-63.7	-58.7			0.1	-52.5	-41.25	11.21
	Non HT40, 6 to 54 Mbps	3	5	-63.7	-58.7	-60.8		0.1	-50.8	-41.25	9.54
	Non HT40, 6 to 54 Mbps	4	5	-64.2	-59.3	-61.5	-62.2	0.1	-50.4	-41.25	9.13
	HT/VHT40, M0 to M7	1	5	-63.7				0.1	-58.6	-41.25	17.40
	HT/VHT40, M0 to M7	2	5	-63.7	-58.8			0.1	-52.5	-41.25	11.28
	HT/VHT40, M8 to M15	2	5	-63.7	-58.8			0.1	-52.5	-41.25	11.28
	HT/VHT40, M0 to M7	3	5	-63.7	-58.8	-61.0		0.1	-50.9	-41.25	9.65
	HT/VHT40, M8 to M15	3	5	-63.7	-58.8	-61.0		0.1	-50.9	-41.25	9.65
	HT/VHT40, M16 to M23	3	5	-63.7	-58.8	-61.0		0.1	-50.9	-41.25	9.65
	HT/VHT40, M0 to M7	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HT/VHT40, M8 to M15	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HT/VHT40, M16 to M23	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HT/VHT40, M24 to M31	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HT/VHT40 Beam Forming, M0 to M7	2	8	-64.1	-59.2			0.1	-49.9	-41.25	8.68
	HT/VHT40 Beam Forming, M8 to M15	2	5	-63.7	-58.8			0.1	-52.5	-41.25	11.28
	HT/VHT40 Beam Forming, M0 to M7	3	10	-64.8	-61.0	-63.4		0.1	-48.0	-41.25	6.70
	HT/VHT40 Beam Forming, M8 to M15	3	7	-64.1	-59.2	-62.7		0.1	-49.7	-41.25	8.42
	HT/VHT40 Beam Forming, M16 to M23	3	5	-63.7	-58.8	-61.0		0.1	-50.9	-41.25	9.65
5310	HT/VHT40 Beam Forming, M0 to M7	4	11	-66.5	-61.4	-63.8	-63.7	0.1	-46.4	-41.25	5.16
2	HT/VHT40 Beam Forming, M8 to M15	4	8	-64.8	-61.0	-63.4	-63.1	0.1	-48.8	-41.25	7.53
	HT/VHT40 Beam Forming, M16 to M23	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HT/VHT40 Beam Forming, M24 to M31	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HT/VHT40 STBC, M0 to M7	2	5	-63.7	-58.8			0.1	-52.5	-41.25	11.28
	HT/VHT40 STBC, M0 to M7	3	5	-63.7	-58.8	-61.0		0.1	-50.9	-41.25	9.65
	HT/VHT40 STBC, M0 to M7	4	5	-63.7	-58.8	-61.0	-61.5	0.1	-49.8	-41.25	8.58
	HE40, M0 to M9 1ss	1	5	-63.8				0.1	-58.7	-41.25	17.48
	HE40, M0 to M9 1ss	2	5	-64.2	-59.3			0.1	-53.0	-41.25	11.76
	HE40, M0 to M9 2ss	2	5	-64.2	-59.3			0.1	-53.0	-41.25	11.76
	HE40, M0 to M9 1ss	3	5	-64.2	-59.3	-62.8		0.1	-51.8	-41.25	10.50
	HE40, M0 to M9 2ss	3	5	-64.2	-59.3	-62.8		0.1	-51.8	-41.25	10.50
	HE40, M0 to M9 3ss	3	5	-64.2	-59.3	-62.8		0.1	-51.8	-41.25	10.50
	HE40, M0 to M9 1ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
	HE40, M0 to M9 2ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
	HE40, M0 to M9 3ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
	HE40, M0 to M9 4ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
	HE40 Beam Forming, M0 to M9 1ss	2	8	-64.2	-59.3			0.1	-50.0	-41.25	8.76
	HE40 Beam Forming, M0 to M9 2ss	2	5	-64.2	-59.3			0.1	-53.0	-41.25	11.76
	HE40 Beam Forming, M0 to M9 1ss	3	10	-66.6	-61.5	-63.9		0.1	-48.7	-41.25	7.43

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HE40 Beam Forming, M0 to M9 1ss												
HE40 Beam Forming, M0 to M9 1ss		HE40 Beam Forming, M0 to M9 2ss	3	7	-64.2	-59.3	-62.8		0.1	-49.8	-41.25	8.50
HE40 Beam Forming, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	3	5	-64.2	-59.3	-62.8		0.1	-51.8	-41.25	10.50
HE40 Beam Forming, M0 to M9 3ss		HE40 Beam Forming, M0 to M9 1ss	4	11	-67.6	-62.4	-64.9	-64.5	0.1	-47.4	-41.25	6.14
HE40 Beam Forming, M0 to M9 4ss		HE40 Beam Forming, M0 to M9 2ss	4	8	-64.8	-60.8	-63.3	-63.0	0.1	-48.6	-41.25	7.39
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 4ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	2	5	-64.2	-59.3			0.1	-53.0	-41.25	11.76
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	3	5	-64.2	-59.3	-62.8		0.1	-51.8	-41.25	10.50
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	4	5	-64.2	-59.3	-62.8	-62.6	0.1	-50.7	-41.25	9.48
Non HT20, 6 to 54 Mbps												
Non HT20, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	1	5	-61.7				0.1	-56.6	-41.25	15.40
Non HT20, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	2	5	-61.7	-57.6			0.1	-51.1	-41.25	9.87
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	3	5	-64.0	-59.7	-60.9		0.1	-51.4	-41.25	10.12
Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -64.0 -59.7 -60.9 0.1 -46.4 -41.25 5.12		Non HT20, 6 to 54 Mbps	4	5	-65.0	-61.8	-63.6	-62.8	0.1	-52.1	-41.25	10.83
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-62.7	-58.1			0.1	-48.8	-41.25	7.51
HT/VHT20, M0 to M7 The image is a content of the image is a content		Non HT20 Beam Forming, 6 to 54 Mbps	3	10	-64.0	-59.7	-60.9		0.1	-46.4	-41.25	5.12
HT/VHT20, M0 to M7		Non HT20 Beam Forming, 6 to 54 Mbps	4	11	-65.0	-61.8	-63.6	-62.8	0.1	-46.1	-41.25	4.83
HT/VHT20, M8 to M15		HT/VHT20, M0 to M7	1	5	-61.5				0.1	-56.4	-41.25	15.20
HT/VHT20, M0 to M7		HT/VHT20, M0 to M7	2	5	-62.9	-58.3			0.1	-52.0	-41.25	10.70
HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 3 5 -63.9 -60.8 -61.2 0.1 -51.9 -41.25 10.69		HT/VHT20, M8 to M15	2	5	-62.9	-58.3			0.1	-52.0	-41.25	10.70
HT/VHT20, M16 to M23		HT/VHT20, M0 to M7	3	5	-63.9	-60.8	-61.2		0.1	-51.9	-41.25	10.69
HT/VHT20, M0 to M7		HT/VHT20, M8 to M15	3	5	-62.9	-58.3	-59.9		0.1	-50.2	-41.25	8.90
HT/VHT20, M8 to M15		HT/VHT20, M16 to M23	3	5	-62.9	-58.3	-59.9		0.1	-50.2	-41.25	8.90
HT/VHT20, M16 to M23		HT/VHT20, M0 to M7	4	5	-65.0	-61.8	-63.7	-63.2	0.1	-52.2	-41.25	10.95
HT/VHT20 Beam Forming, M0 to M7		HT/VHT20, M8 to M15	4	5	-63.4	-59.1	-60.6	-60.6	0.1	-49.6	-41.25	8.35
HT/VHT20 Beam Forming, M0 to M7	2	HT/VHT20, M16 to M23	4	5	-62.9	-58.3	-59.9	-60.0	0.1	-48.9	-41.25	7.66
HT/VHT20 Beam Forming, M8 to M15	53,	HT/VHT20, M24 to M31	4	5	-62.9	-58.3	-59.9	-60.0	0.1	-48.9	-41.25	7.66
HT/VHT20 Beam Forming, M0 to M7 3 10 -63.9 -60.8 -61.2 0.1 -46.9 -41.25 5.69 HT/VHT20 Beam Forming, M8 to M15 3 7 -63.4 -59.1 -60.6 0.1 -48.9 -41.25 7.62 HT/VHT20 Beam Forming, M16 to M23 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HT/VHT20 Beam Forming, M0 to M7 4 11 -65.0 -61.8 -63.7 -63.2 0.1 -46.2 -41.25 4.95 HT/VHT20 Beam Forming, M8 to M15 4 8 -63.4 -59.1 -60.6 -60.6 0.1 -46.6 -41.25 5.35 HT/VHT20 Beam Forming, M16 to M23 4 6 -63.4 -59.1 -60.6 -60.6 0.1 -48.6 -41.25 7.35 HT/VHT20 Beam Forming, M24 to M31 4 5 -62.9 -58.3 -59.9 -60.0 0.1 -48.9 -41.25 7.66 HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 <td></td> <td>HT/VHT20 Beam Forming, M0 to M7</td> <td>2</td> <td>8</td> <td>-63.4</td> <td>-59.1</td> <td></td> <td></td> <td>0.1</td> <td>-49.7</td> <td>-41.25</td> <td>8.43</td>		HT/VHT20 Beam Forming, M0 to M7	2	8	-63.4	-59.1			0.1	-49.7	-41.25	8.43
HT/VHT20 Beam Forming, M0 to M7 3 10 -63.9 -60.8 -61.2 0.1 -46.9 -41.25 5.69 HT/VHT20 Beam Forming, M8 to M15 3 7 -63.4 -59.1 -60.6 0.1 -48.9 -41.25 7.62 HT/VHT20 Beam Forming, M16 to M23 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HT/VHT20 Beam Forming, M0 to M7 4 11 -65.0 -61.8 -63.7 -63.2 0.1 -46.2 -41.25 4.95 HT/VHT20 Beam Forming, M8 to M15 4 8 -63.4 -59.1 -60.6 -60.6 0.1 -46.6 -41.25 5.35 HT/VHT20 Beam Forming, M16 to M23 4 6 -63.4 -59.1 -60.6 -60.6 0.1 -48.6 -41.25 7.35 HT/VHT20 Beam Forming, M24 to M31 4 5 -62.9 -58.3 -59.9 -60.0 0.1 -48.9 -41.25 7.66 HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 <td></td> <td>HT/VHT20 Beam Forming, M8 to M15</td> <td>2</td> <td>5</td> <td>-62.9</td> <td>-58.3</td> <td></td> <td></td> <td>0.1</td> <td>-52.0</td> <td>-41.25</td> <td>10.70</td>		HT/VHT20 Beam Forming, M8 to M15	2	5	-62.9	-58.3			0.1	-52.0	-41.25	10.70
HT/VHT20 Beam Forming, M16 to M23		HT/VHT20 Beam Forming, M0 to M7	-	10	-63.9	-60.8	-61.2		0.1	-46.9	-41.25	5.69
HT/VHT20 Beam Forming, M0 to M7		HT/VHT20 Beam Forming, M8 to M15	3	7	-63.4	-59.1	-60.6		0.1	-48.9	-41.25	7.62
HT/VHT20 Beam Forming, M8 to M15 4 8 -63.4 -59.1 -60.6 -60.6 0.1 -46.6 -41.25 5.35 HT/VHT20 Beam Forming, M16 to M23 4 6 -63.4 -59.1 -60.6 -60.6 0.1 -48.6 -41.25 7.35 HT/VHT20 Beam Forming, M24 to M31 4 5 -62.9 -58.3 -59.9 -60.0 0.1 -48.9 -41.25 7.66 HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 -59.9 0.1 -52.0 -41.25 10.70 HT/VHT20 STBC, M0 to M7 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HE20, M0 to M9 1ss 1 5 -62.7 -60.6 -60.6 0.1 -49.6 -41.25 16.38		HT/VHT20 Beam Forming, M16 to M23	3	5	-62.9	-58.3	-59.9		0.1	-50.2	-41.25	8.90
HT/VHT20 Beam Forming, M8 to M15 4 8 -63.4 -59.1 -60.6 -60.6 0.1 -46.6 -41.25 5.35 HT/VHT20 Beam Forming, M16 to M23 4 6 -63.4 -59.1 -60.6 -60.6 0.1 -48.6 -41.25 7.35 HT/VHT20 Beam Forming, M24 to M31 4 5 -62.9 -58.3 -59.9 -60.0 0.1 -48.9 -41.25 7.66 HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 -59.9 0.1 -52.0 -41.25 10.70 HT/VHT20 STBC, M0 to M7 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HE20, M0 to M9 1ss 1 5 -62.7 -60.6 -60.6 0.1 -49.6 -41.25 16.38		HT/VHT20 Beam Forming, M0 to M7	4	11	-65.0	-61.8	-63.7	-63.2	0.1	-46.2	-41.25	4.95
HT/VHT20 Beam Forming, M24 to M31 4 5 -62.9 -58.3 -59.9 -60.0 0.1 -48.9 -41.25 7.66 HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 0.1 -52.0 -41.25 10.70 HT/VHT20 STBC, M0 to M7 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HT/VHT20 STBC, M0 to M7 4 5 -63.4 -59.1 -60.6 -60.6 0.1 -49.6 -41.25 8.35 HE20, M0 to M9 1ss 1 5 -62.7 0.1 -57.6 -41.25 16.38			4	8	-63.4	-59.1	-60.6	-60.6	0.1	-46.6	-41.25	5.35
HT/VHT20 Beam Forming, M24 to M31 4 5 -62.9 -58.3 -59.9 -60.0 0.1 -48.9 -41.25 7.66 HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 0.1 -52.0 -41.25 10.70 HT/VHT20 STBC, M0 to M7 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HT/VHT20 STBC, M0 to M7 4 5 -63.4 -59.1 -60.6 -60.6 0.1 -49.6 -41.25 8.35 HE20, M0 to M9 1ss 1 5 -62.7 0.1 -57.6 -41.25 16.38		HT/VHT20 Beam Forming, M16 to M23	4	6	-63.4	-59.1	-60.6	-60.6	0.1	-48.6	-41.25	7.35
HT/VHT20 STBC, M0 to M7 2 5 -62.9 -58.3 0.1 -52.0 -41.25 10.70 HT/VHT20 STBC, M0 to M7 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HT/VHT20 STBC, M0 to M7 4 5 -63.4 -59.1 -60.6 -60.6 0.1 -49.6 -41.25 8.35 HE20, M0 to M9 1ss 1 5 -62.7 0.1 -57.6 -41.25 16.38			4	5	-62.9	-58.3	-59.9	-60.0	0.1	-48.9	-41.25	
HT/VHT20 STBC, M0 to M7 3 5 -62.9 -58.3 -59.9 0.1 -50.2 -41.25 8.90 HT/VHT20 STBC, M0 to M7 4 5 -63.4 -59.1 -60.6 -60.6 0.1 -49.6 -41.25 8.35 HE20, M0 to M9 1ss 1 5 -62.7 0.1 -57.6 -41.25 16.38		9										10.70
HT/VHT20 STBC, M0 to M7 4 5 -63.4 -59.1 -60.6 -60.6 0.1 -49.6 -41.25 8.35 HE20, M0 to M9 1ss 1 5 -62.7 0.1 -57.6 -41.25 16.38							-59.9					
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HE20, M0 to M9 1ss	10.51 9.49 10.76 8.27 8.27 8.27 9.55 10.41 5.51 8.51 9.49 4.76 6.19 7.27 8.27 10.41 9.49
HE20, M0 to M9 3ss	9.49 10.76 8.27 8.27 9.55 10.41 5.51 8.51 9.49 4.76 6.19 7.27 8.27 10.41
HE20, M0 to M9 1ss 4 5 -64.9 -61.7 -63.5 -62.9 0.1 -52.0 -41.25 HE20, M0 to M9 2ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20, M0 to M9 3ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 Beam Forming, M0 to M9 1ss 2 8 -63.9 -60.5 0.0 0.1 -50.8 -41.25 HE20 Beam Forming, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 Beam Forming, M0 to M9 2ss 3 7 -63.9 -60.5 -61.1 0.1 -46.8 -41.25 HE20 Beam Forming, M0 to M9 3ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25 HE20 Beam Forming, M0 to M9 2ss 4 8 -63.9 -60.5 -61.1 -61.3 0.1 -47.4 -	10.76 8.27 8.27 9.55 10.41 5.51 8.51 9.49 4.76 6.19 7.27 8.27 10.41
HE20, M0 to M9 2ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20, M0 to M9 3ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 Beam Forming, M0 to M9 1ss 2 8 -63.9 -60.5 0.1 -50.8 -41.25 HE20 Beam Forming, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 Beam Forming, M0 to M9 1ss 3 10 -63.9 -60.5 -61.1 0.1 -46.8 -41.25 HE20 Beam Forming, M0 to M9 3ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25 HE20 Beam Forming, M0 to M9 2ss 4 8 -63.9 -60.5 -61.1 0.1 -46.0 -41.25 HE20 Beam Forming, M0 to M9 3ss 4 8 -63.9 -60.5 -61.1 -61.3 0.1 -47.4 -41.25 <	8.27 8.27 9.55 10.41 5.51 8.51 9.49 4.76 6.19 7.27 8.27 10.41
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HE20, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 Beam Forming, M0 to M9 1ss 2 8 -63.9 -60.5 0.1 -50.8 -41.25 HE20 Beam Forming, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 Beam Forming, M0 to M9 1ss 3 10 -63.9 -60.5 -61.1 0.1 -46.8 -41.25 HE20 Beam Forming, M0 to M9 2ss 3 7 -63.9 -60.5 -61.1 0.1 -49.8 -41.25 HE20 Beam Forming, M0 to M9 3ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25 HE20 Beam Forming, M0 to M9 2ss 4 8 -63.9 -60.5 -61.1 -61.3 0.1 -47.4 -41.25 HE20 Beam Forming, M0 to M9 3ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -50.7 -41.25 HE20 STBC,	8.27 9.55 10.41 5.51 8.51 9.49 4.76 6.19 7.27 8.27 10.41
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HE20 Beam Forming, M0 to M9 3ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25 HE20 Beam Forming, M0 to M9 1ss 4 11 -64.9 -61.7 -63.5 -62.9 0.1 -46.0 -41.25 HE20 Beam Forming, M0 to M9 2ss 4 8 -63.9 -60.5 -61.1 -61.3 0.1 -47.4 -41.25 HE20 Beam Forming, M0 to M9 3ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 HE20 Beam Forming, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	9.49 4.76 6.19 7.27 8.27 10.41
HE20 Beam Forming, M0 to M9 1ss 4 11 -64.9 -61.7 -63.5 -62.9 0.1 -46.0 -41.25 HE20 Beam Forming, M0 to M9 2ss 4 8 -63.9 -60.5 -61.1 -61.3 0.1 -47.4 -41.25 HE20 Beam Forming, M0 to M9 3ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 HE20 Beam Forming, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	4.76 6.19 7.27 8.27 10.41
HE20 Beam Forming, M0 to M9 2ss 4 8 -63.9 -60.5 -61.1 -61.3 0.1 -47.4 -41.25 HE20 Beam Forming, M0 to M9 3ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 HE20 Beam Forming, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	6.19 7.27 8.27 10.41
HE20 Beam Forming, M0 to M9 3ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 HE20 Beam Forming, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	7.27 8.27 10.41
HE20 Beam Forming, M0 to M9 4ss 4 5 -63.5 -58.9 -60.5 -60.7 0.1 -49.5 -41.25 HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	8.27 10.41
HE20 STBC, M0 to M9 2ss 2 5 -62.7 -58.0 0.1 -51.7 -41.25 HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	10.41
HE20 STBC, M0 to M9 2ss 3 5 -63.5 -58.9 -60.5 0.1 -50.7 -41.25	
	0.40
HE20 STBC M0 to M9 2ss 4 5 -63 5 -58 9 -60 5 -60 7 0.1 -49 5 -41 25	∂. + ∂
1122 3 1 2 3, 110 to 110 2 30	8.27
Non HT160, 6 to 54 Mbps 1 5 -61.9 0.1 -56.8 -41.25	15.60
Non HT160, 6 to 54 Mbps 2 5 -63.0 -58.7 0.1 -52.3 -41.25	11.03
Non HT160, 6 to 54 Mbps 3 5 -63.0 -58.7 -59.5 0.1 -50.2 -41.25	8.97
Non HT160, 6 to 54 Mbps 4 5 -63.0 -58.7 -59.5 -59.6 0.1 -48.9 -41.25	7.60
VHT160, M0 to M9 1ss 1 5 -62.7 0.1 -57.6 -41.25	16.40
VHT160, M0 to M9 1ss 2 5 -63.6 -60.2 0.1 -53.5 -41.25	12.26
VHT160, M0 to M9 2ss 2 5 -63.6 -60.2 0.1 -53.5 -41.25	12.26
VHT160, M0 to M9 1ss 3 5 -63.6 -60.2 -61.2 0.1 -51.6 -41.25	10.37
VHT160, M0 to M9 2ss 3 5 -63.6 -60.2 -61.2 0.1 -51.6 -41.25	10.37
VHT160, M0 to M9 3ss 3 5 -63.6 -60.2 -61.2 0.1 -51.6 -41.25	10.37
당 VHT160, M0 to M9 1ss 4 5 -63.6 -60.2 -61.2 -60.9 0.1 -50.2 -41.25	8.98
CR VHT160, M0 to M9 1ss 4 5 -63.6 -60.2 -61.2 -60.9 0.1 -50.2 -41.25 VHT160, M0 to M9 2ss 4 5 -63.6 -60.2 -61.2 -60.9 0.1 -50.2 -41.25	8.98
VHT160, M0 to M9 3ss 4 5 -63.6 -60.2 -61.2 -60.9 0.1 -50.2 -41.25	8.98
VHT160, M0 to M9 4ss 4 5 -63.6 -60.2 -61.2 -60.9 0.1 -50.2 -41.25	8.98
VHT160 Beam Forming, M0 to M9 1ss 2 8 -64.8 -61.0 0.1 -51.4 -41.25	10.18
VHT160 Beam Forming, M0 to M9 2ss 2 5 -63.6 -60.2 0.1 -53.5 -41.25	12.26
VHT160 Beam Forming, M0 to M9 1ss 3 10 -66.2 -61.8 -62.4 0.1 -48.3 -41.25	7.00
VHT160 Beam Forming, M0 to M9 2ss 3 7 -64.8 -61.0 -62.2 0.1 -50.6 -41.25	9.32
VHT160 Beam Forming, M0 to M9 3ss 3 5 -63.6 -60.2 -61.2 0.1 -51.6 -41.25	10.37
VHT160 Beam Forming, M0 to M9 1ss	4.60
VHT160 Beam Forming, M0 to M9 2ss	6.94
VHT160 Beam Forming, M0 to M9 3ss	8.94

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VHT160 Beam Forming, M0 to M9 4ss	4	5	-63.6	-60.2	-61.2	-60.9	0.1	-50.2	-41.25	8.98
VHT160 STBC, M0 to M9 1ss	2	5	-63.6	-60.2			0.1	-53.5	-41.25	12.26
VHT160 STBC, M0 to M9 1ss	3	5	-63.6	-60.2	-61.2		0.1	-51.6	-41.25	10.37
VHT160 STBC, M0 to M9 1ss	4	5	-63.6	-60.2	-61.2	-60.9	0.1	-50.2	-41.25	8.98
HE160, M0 to M9 1ss	1	5	-61.4				0.1	-56.3	-41.25	15.08
HE160, M0 to M9 1ss	2	5	-61.4	-57.9			0.1	-51.2	-41.25	9.98
HE160, M0 to M9 2ss	2	5	-61.4	-57.9			0.1	-51.2	-41.25	9.98
HE160, M0 to M9 1ss	3	5	-61.4	-57.9	-59.0		0.1	-49.4	-41.25	8.11
HE160, M0 to M9 2ss	3	5	-61.4	-57.9	-59.0		0.1	-49.4	-41.25	8.11
HE160, M0 to M9 3ss	3	5	-61.4	-57.9	-59.0		0.1	-49.4	-41.25	8.11
HE160, M0 to M9 1ss	4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57
HE160, M0 to M9 2ss	4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57
HE160, M0 to M9 3ss	4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57
HE160, M0 to M9 4ss	4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57
HE160 Beam Forming, M0 to M9 1ss	2	8	-63.0	-58.8			0.1	-49.3	-41.25	8.08
HE160 Beam Forming, M0 to M9 2ss	2	5	-61.4	-57.9			0.1	-51.2	-41.25	9.98
HE160 Beam Forming, M0 to M9 1ss	3	10	-64.4	-61.0	-62.1		0.1	-47.4	-41.25	6.19
HE160 Beam Forming, M0 to M9 2ss	3	7	-63.0	-58.8	-59.4		0.1	-48.2	-41.25	6.96
HE160 Beam Forming, M0 to M9 3ss	3	5	-61.4	-57.9	-59.0		0.1	-49.4	-41.25	8.11
HE160 Beam Forming, M0 to M9 1ss	4	11	-66.2	-61.8	-62.7	-62.2	0.1	-45.8	-41.25	4.59
HE160 Beam Forming, M0 to M9 2ss	4	8	-63.8	-60.0	-61.2	-60.6	0.1	-47.1	-41.25	5.84
HE160 Beam Forming, M0 to M9 3ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57
HE160 Beam Forming, M0 to M9 4ss	4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57
HE160 STBC, M0 to M9 1ss	2	5	-61.4	-57.9			0.1	-51.2	-41.25	9.98
HE160 STBC, M0 to M9 1ss	3	5	-61.4	-57.9	-59.0		0.1	-49.4	-41.25	8.11
HE160 STBC, M0 to M9 1ss	4	5	-63.0	-58.8	-59.4	-59.5	0.1	-48.8	-41.25	7.57

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Conducted Spurs Average, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7



Antenna A



Antenna B



Antenna C



Antenna D



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Tx 3 Spur Power (dBm)	Tx 4 Spur Power (dBm)	Tx 5 Spur Power (dBm)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	5	-50.0				0.1	-44.9	-21.25	23.70
	Non HT20, 6 to 54 Mbps	2	5	-51.2	-47.3			0.1	-40.8	-21.25	19.52
	Non HT20, 6 to 54 Mbps	3	5	-53.0	-48.1	-50.5		0.1	-40.3	-21.25	19.01
	Non HT20, 6 to 54 Mbps	4	5	-54.3	-50.5	-52.6	-52.9	0.1	-41.3	-21.25	20.03
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-51.2	-47.3			0.1	-37.8	-21.25	16.52
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	-53.0	-48.1	-50.5		0.1	-35.3	-21.25	14.01
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	-54.3	-50.5	-52.6	-52.9	0.1	-35.3	-21.25	14.03
	HT/VHT20, M0 to M7	1	5	-49.8				0.1	-44.7	-21.25	23.50
	HT/VHT20, M0 to M7	2	5	-50.8	-47.3			0.1	-40.6	-21.25	19.39
	HT/VHT20, M8 to M15	2	5	-49.8	-44.9			0.1	-38.6	-21.25	17.38
	HT/VHT20, M0 to M7	3	5	-53.0	-47.9	-51.1		0.1	-40.3	-21.25	19.07
	HT/VHT20, M8 to M15	3	5	-50.8	-47.3	-49.0		0.1	-39.0	-21.25	17.73
	HT/VHT20, M16 to M23	3	5	-49.8	-44.9	-48.4		0.1	-37.4	-21.25	16.12
	HT/VHT20, M0 to M7	4	5	-53.4	-50.5	-52.8	-52.9	0.1	-41.2	-21.25	19.92
	HT/VHT20, M8 to M15	4	5	-52.9	-48.1	-50.0	-50.6	0.1	-39.0	-21.25	17.75
90	HT/VHT20, M16 to M23	4	5	-50.8	-47.3	-49.0	-48.5	0.1	-37.7	-21.25	16.40
5260	HT/VHT20, M24 to M31	4	5	-50.8	-47.3	-49.0	-48.5	0.1	-37.7	-21.25	16.40
	HT/VHT20 Beam Forming, M0 to M7	2	8	-50.8	-47.3			0.1	-37.6	-21.25	16.39
	HT/VHT20 Beam Forming, M8 to M15	2	5	-49.8	-44.9			0.1	-38.6	-21.25	17.38
	HT/VHT20 Beam Forming, M0 to M7	3	10	-53.0	-47.9	-51.1		0.1	-35.3	-21.25	14.07
	HT/VHT20 Beam Forming, M8 to M15	3	7	-50.8	-47.3	-49.0		0.1	-37.0	-21.25	15.73
	HT/VHT20 Beam Forming, M16 to M23	3	5	-49.8	-44.9	-48.4		0.1	-37.4	-21.25	16.12
	HT/VHT20 Beam Forming, M0 to M7	4	11	-53.4	-50.5	-52.8	-52.9	0.1	-35.2	-21.25	13.92
	HT/VHT20 Beam Forming, M8 to M15	4	8	-52.9	-48.1	-50.0	-50.6	0.1	-36.0	-21.25	14.75
	HT/VHT20 Beam Forming, M16 to M23	4	6	-50.8	-47.3	-49.0	-48.5	0.1	-36.7	-21.25	15.40
	HT/VHT20 Beam Forming, M24 to M31	4	5	-50.8	-47.3	-49.0	-48.5	0.1	-37.7	-21.25	16.40
	HT/VHT20 STBC, M0 to M7	2	5	-49.8	-44.9			0.1	-38.6	-21.25	17.38
	HT/VHT20 STBC, M0 to M7	3	5	-50.8	-47.3	-49.0		0.1	-39.0	-21.25	17.73
	HT/VHT20 STBC, M0 to M7	4	5	-52.9	-48.1	-50.0	-50.6	0.1	-39.0	-21.25	17.75
	HE20, M0 to M9 1ss	1	5	-50.4				0.1	-45.3	-21.25	24.08
	HE20, M0 to M9 1ss	2	5	-50.4	-46.1			0.1	-39.7	-21.25	18.41
	HE20, M0 to M9 2ss	2	5	-50.4	-46.1			0.1	-39.7	-21.25	18.41

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	HE20, M0 to M9 1ss	3	5	-52.5	-49.0	-49.8		0.1	-40.4	-21.25	19.11
	HE20, M0 to M9 2ss	3	5	-50.8	-46.0	-48.2		0.1	-38.1	-21.25	16.82
	HE20, M0 to M9 3ss	3	5	-50.4	-46.1	-47.8		0.1	-37.9	-21.25	16.67
	HE20, M0 to M9 1ss	4	5	-54.1	-50.7	-52.6	-52.6	0.1	-41.2	-21.25	19.99
	HE20, M0 to M9 2ss	4	5	-52.7	-48.1	-50.4	-50.9	0.1	-39.1	-21.25	17.87
	HE20, M0 to M9 3ss	4	5	-50.8	-46.0	-48.2	-48.1	0.1	-36.9	-21.25	15.62
	HE20, M0 to M9 4ss	4	5	-50.8	-46.0	-48.2	-48.1	0.1	-36.9	-21.25	15.62
	HE20 Beam Forming, M0 to M9 1ss	2	8	-50.4	-46.1			0.1	-36.7	-21.25	15.41
	HE20 Beam Forming, M0 to M9 2ss	2	5	-50.4	-46.1			0.1	-39.7	-21.25	18.41
	HE20 Beam Forming, M0 to M9 1ss	3	10	-52.5	-49.0	-49.8		0.1	-35.4	-21.25	14.11
	HE20 Beam Forming, M0 to M9 2ss	3	7	-50.8	-46.0	-48.2		0.1	-36.1	-21.25	14.82
	HE20 Beam Forming, M0 to M9 3ss	3	5	-50.4	-46.1	-47.8		0.1	-37.9	-21.25	16.67
	HE20 Beam Forming, M0 to M9 1ss	4	11	-54.1	-50.7	-52.6	-52.6	0.1	-35.2	-21.25	13.99
	HE20 Beam Forming, M0 to M9 2ss	4	8	-52.7	-48.1	-50.4	-50.9	0.1	-36.1	-21.25	14.87
	HE20 Beam Forming, M0 to M9 3ss	4	6	-50.8	-46.0	-48.2	-48.1	0.1	-35.9	-21.25	14.62
	HE20 Beam Forming, M0 to M9 4ss	4	5	-50.8	-46.0	-48.2	-48.1	0.1	-36.9	-21.25	15.62
	HE20 STBC, M0 to M9 2ss	2	5	-50.4	-46.1			0.1	-39.7	-21.25	18.41
	HE20 STBC, M0 to M9 2ss	3	5	-50.8	-46.0	-48.2		0.1	-38.1	-21.25	16.82
	HE20 STBC, M0 to M9 2ss	4	5	-52.7	-48.1	-50.4	-50.9	0.1	-39.1	-21.25	17.87
	-		_	-				_	_	_	
	Non HT40, 6 to 54 Mbps	1	5	-50.4				0.0	-45.4	-21.25	24.11
	Non HT40, 6 to 54 Mbps	2	5	-50.4	-45.5			0.0	-39.2	-21.25	17.99
	Non HT40, 6 to 54 Mbps	3	5	-49.7	-46.4	-48.7		0.0	-38.2	-21.25	16.97
	Non HT40, 6 to 54 Mbps	4	5	-52.8	-47.7	-49.7	-49.0	0.0	-38.4	-21.25	17.12
	HT/VHT40, M0 to M7	1	5	-50.6				0.1	-45.5	-21.25	24.25
	HT/VHT40, M0 to M7	2	5	-50.6	-46.0			0.1	-39.6	-21.25	18.35
	HT/VHT40, M8 to M15	2	5	-50.6	-46.0			0.1	-39.6	-21.25	18.35
	HT/VHT40, M0 to M7	3	5	-50.4	-46.1	-48.4		0.1	-38.1	-21.25	16.82
	HT/VHT40, M8 to M15	3	5	-50.6	-46.0	-48.1		0.1	-38.0	-21.25	16.72
	HT/VHT40, M16 to M23	3	5	-50.6	-46.0	-48.1		0.1	-38.0	-21.25	16.72
2	HT/VHT40, M0 to M7	4	5	-52.4	-48.1	-50.2	-49.1	0.1	-38.6	-21.25	17.30
5270	HT/VHT40, M8 to M15	4	5	-50.6	-46.0	-48.1	-48.0	0.1	-36.8	-21.25	15.51
	HT/VHT40, M16 to M23	4	5	-50.6	-46.0	-48.1	-48.0	0.1	-36.8	-21.25	15.51
	HT/VHT40, M24 to M31	4	5	-50.6	-46.0	-48.1	-48.0	0.1	-36.8	-21.25	15.51
	HT/VHT40 Beam Forming, M0 to M7	2	8	-50.6	-46.0			0.1	-36.6	-21.25	15.35
	HT/VHT40 Beam Forming, M8 to M15	2	5	-50.6	-46.0			0.1	-39.6	-21.25	18.35
	HT/VHT40 Beam Forming, M0 to M7	3	10	-52.2	-47.0	-49.5		0.1	-34.2	-21.25	12.94
	HT/VHT40 Beam Forming, M8 to M15	3	7	-50.6	-46.0	-48.1		0.1	-36.0	-21.25	14.72
	HT/VHT40 Beam Forming, M16 to M23	3	5	-50.6	-46.0	-48.1		0.1	-38.0	-21.25	16.72
	HT/VHT40 Beam Forming, M0 to M7	4	11	-53.6	-49.2	-50.1	-51.5	0.1	-33.7	-21.25	12.43
	HT/VHT40 Beam Forming, M8 to M15	4	8	-50.4	-46.1	-48.4	-49.2	0.1	-34.1	-21.25	12.86
	HT/VHT40 Beam Forming, M16 to M23	4	6	-50.6	-46.0	-48.1	-48.0	0.1	-35.8	-21.25	14.51

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	HT/VHT40 Beam Forming, M24 to M31	4	5	-50.6	-46.0	-48.1	-48.0	0.1	-36.8	-21.25	15.51
	HT/VHT40 STBC, M0 to M7	2	5	-50.6	-46.0			0.1	-39.6	-21.25	18.35
	HT/VHT40 STBC, M0 to M7	3	5	-50.6	-46.0	-48.1		0.1	-38.0	-21.25	16.72
	HT/VHT40 STBC, M0 to M7	4	5	-50.4	-46.1	-48.4	-49.2	0.1	-37.1	-21.25	15.86
	HE40, M0 to M9 1ss	1	5	-50.6				0.1	-45.5	-21.25	24.22
	HE40, M0 to M9 1ss	2	5	-50.6	-45.9			0.1	-39.5	-21.25	18.26
	HE40, M0 to M9 2ss	2	5	-50.6	-45.9			0.1	-39.5	-21.25	18.26
	HE40, M0 to M9 1ss	3	5	-50.6	-45.5	-48.5		0.1	-37.8	-21.25	16.55
	HE40, M0 to M9 2ss	3	5	-50.6	-45.9	-47.7		0.1	-37.8	-21.25	16.52
	HE40, M0 to M9 3ss	3	5	-50.6	-45.9	-47.7		0.1	-37.8	-21.25	16.52
	HE40, M0 to M9 1ss	4	5	-52.2	-47.6	-49.7	-50.0	0.1	-38.4	-21.25	17.18
	HE40, M0 to M9 2ss	4	5	-50.6	-45.9	-47.7	-48.0	0.1	-36.6	-21.25	15.35
	HE40, M0 to M9 3ss	4	5	-50.6	-45.9	-47.7	-48.0	0.1	-36.6	-21.25	15.35
	HE40, M0 to M9 4ss	4	5	-50.6	-45.9	-47.7	-48.0	0.1	-36.6	-21.25	15.35
	HE40 Beam Forming, M0 to M9 1ss	2	8	-50.6	-45.9			0.1	-36.5	-21.25	15.26
	HE40 Beam Forming, M0 to M9 2ss	2	5	-50.6	-45.9			0.1	-39.5	-21.25	18.26
	HE40 Beam Forming, M0 to M9 1ss	3	10	-52.2	-47.6	-49.7		0.1	-34.5	-21.25	13.29
	HE40 Beam Forming, M0 to M9 2ss	3	7	-50.6	-45.9	-47.7		0.1	-35.8	-21.25	14.52
	HE40 Beam Forming, M0 to M9 3ss	3	5	-50.6	-45.9	-47.7		0.1	-37.8	-21.25	16.52
	HE40 Beam Forming, M0 to M9 1ss	4	11	-53.1	-49.0	-52.0	-51.4	0.1	-34.0	-21.25	12.71
	HE40 Beam Forming, M0 to M9 2ss	4	8	-51.9	-47.2	-49.3	-49.5	0.1	-35.0	-21.25	13.77
	HE40 Beam Forming, M0 to M9 3ss	4	6	-50.6	-45.9	-47.7	-48.0	0.1	-35.6	-21.25	14.35
	HE40 Beam Forming, M0 to M9 4ss	4	5	-50.6	-45.9	-47.7	-48.0	0.1	-36.6	-21.25	15.35
	HE40 STBC, M0 to M9 2ss	2	5	-50.6	-45.9			0.1	-39.5	-21.25	18.26
	HE40 STBC, M0 to M9 2ss	3	5	-50.6	-45.9	-47.7		0.1	-37.8	-21.25	16.52
	HE40 STBC, M0 to M9 2ss	4	5	-50.6	-45.5	-48.5	-49.3	0.1	-36.9	-21.25	15.65
	Non HT80, 6 to 54 Mbps	1	5	-54.0				0.1	-48.9	-21.25	27.70
	Non HT80, 6 to 54 Mbps	2	5	-54.0	-49.2			0.1	-42.9	-21.25	21.66
	Non HT80, 6 to 54 Mbps	3	5	-54.0	-49.2	-50.6		0.1	-41.0	-21.25	19.77
	Non HT80, 6 to 54 Mbps	4	5	-54.0	-49.2	-50.6	-51.2	0.1	-39.9	-21.25	18.61
	VHT80, M0 to M9 1ss	1	5	-52.9				0.2	-47.7	-21.25	26.43
	VHT80, M0 to M9 1ss	2	5	-52.9	-49.2			0.2	-42.4	-21.25	21.19
	VHT80, M0 to M9 2ss	2	5	-52.9	-49.2			0.2	-42.4	-21.25	21.19
5290	VHT80, M0 to M9 1ss	3	5	-54.3	-50.2	-50.2		0.2	-41.2	-21.25	19.95
5,	VHT80, M0 to M9 2ss	3	5	-54.3	-50.2	-50.2		0.2	-41.2	-21.25	19.95
	VHT80, M0 to M9 3ss	3	5	-54.3	-50.2	-50.2		0.2	-41.2	-21.25	19.95
	VHT80, M0 to M9 1ss	4	5	-54.3	-50.2	-50.2	-51.7	0.2	-40.1	-21.25	18.82
	VHT80, M0 to M9 2ss	4	5	-54.3	-50.2	-50.2	-51.7	0.2	-40.1	-21.25	18.82
	VHT80, M0 to M9 3ss	4	5	-54.3	-50.2	-50.2	-51.7	0.2	-40.1	-21.25	18.82
	VHT80, M0 to M9 4ss	4	5	-54.3	-50.2	-50.2	-51.7	0.2	-40.1	-21.25	18.82
	VHT80 Beam Forming, M0 to M9 1ss	2	8	-54.6	-51.4			0.2	-41.5	-21.25	20.24
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	VHT80 Beam Forming, M0 to M9 2ss	2	5	-52.9	-49.2			0.2	-42.4	-21.25	21.19
	VHT80 Beam Forming, M0 to M9 1ss	3	10	-56.1	-51.5	-52.6		0.2	-38.0	-21.25	16.76
	VHT80 Beam Forming, M0 to M9 2ss	3	7	-54.6	-51.4	-52.8		0.2	-40.8	-21.25	19.50
	VHT80 Beam Forming, M0 to M9 3ss	3	5	-54.3	-50.2	-50.2		0.2	-41.2	-21.25	19.95
	VHT80 Beam Forming, M0 to M9 1ss	4	11	-56.4	-52.0	-53.7	-53.6	0.2	-36.4	-21.25	15.17
	VHT80 Beam Forming, M0 to M9 2ss	4	8	-54.6	-51.4	-52.8	-51.7	0.2	-38.2	-21.25	16.97
	VHT80 Beam Forming, M0 to M9 3ss	4	6	-54.3	-50.2	-50.2	-51.7	0.2	-39.1	-21.25	17.82
	VHT80 Beam Forming, M0 to M9 4ss	4	5	-54.3	-50.2	-50.2	-51.7	0.2	-40.1	-21.25	18.82
	VHT80 STBC, M0 to M9 1ss	2	5	-52.9	-49.2			0.2	-42.4	-21.25	21.19
	VHT80 STBC, M0 to M9 1ss	3	5	-54.3	-50.2	-50.2		0.2	-41.2	-21.25	19.95
	VHT80 STBC, M0 to M9 1ss	4	5	-54.3	-50.2	-50.2	-51.7	0.2	-40.1	-21.25	18.82
	HE80, M0 to M9 1ss	1	5	-53.4				0.3	-48.1	-21.25	26.90
	HE80, M0 to M9 1ss	2	5	-53.7	-50.1			0.3	-43.3	-21.25	22.03
	HE80, M0 to M9 2ss	2	5	-53.7	-50.1			0.3	-43.3	-21.25	22.03
	HE80, M0 to M9 1ss	3	5	-53.7	-50.1	-50.7		0.3	-41.2	-21.25	19.97
	HE80, M0 to M9 2ss	3	5	-53.7	-50.1	-50.7		0.3	-41.2	-21.25	19.97
	HE80, M0 to M9 3ss	3	5	-53.7	-50.1	-50.7		0.3	-41.2	-21.25	19.97
	HE80, M0 to M9 1ss	4	5	-53.7	-50.1	-50.7	-51.1	0.3	-39.9	-21.25	18.68
	HE80, M0 to M9 2ss	4	5	-53.7	-50.1	-50.7	-51.1	0.3	-39.9	-21.25	18.68
	HE80, M0 to M9 3ss	4	5	-53.7	-50.1	-50.7	-51.1	0.3	-39.9	-21.25	18.68
	HE80, M0 to M9 4ss	4	5	-53.7	-50.1	-50.7	-51.1	0.3	-39.9	-21.25	18.68
	HE80 Beam Forming, M0 to M9 1ss	2	8	-53.7	-50.1			0.3	-40.3	-21.25	19.03
	HE80 Beam Forming, M0 to M9 2ss	2	5	-53.7	-50.1			0.3	-43.3	-21.25	22.03
	HE80 Beam Forming, M0 to M9 1ss	3	10	-56.9	-51.4	-53.0		0.3	-38.2	-21.25	16.95
	HE80 Beam Forming, M0 to M9 2ss	3	7	-54.8	-51.4	-52.3		0.3	-40.6	-21.25	19.34
	HE80 Beam Forming, M0 to M9 3ss	3	5	-53.7	-50.1	-50.7		0.3	-41.2	-21.25	19.97
	HE80 Beam Forming, M0 to M9 1ss	4	11	-56.3	-52.4	-53.0	-52.6	0.3	-36.1	-21.25	14.80
	HE80 Beam Forming, M0 to M9 2ss	4	8	-56.9	-51.4	-53.0	-52.5	0.3	-38.8	-21.25	17.51
	HE80 Beam Forming, M0 to M9 3ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
	HE80 Beam Forming, M0 to M9 4ss	4	5	-53.7	-50.1	-50.7	-51.1	0.3	-39.9	-21.25	18.68
	HE80 STBC, M0 to M9 1ss	2	5	-53.7	-50.1			0.3	-43.3	-21.25	22.03
	HE80 STBC, M0 to M9 1ss	3	5	-53.7	-50.1	-50.7		0.3	-41.2	-21.25	19.97
	HE80 STBC, M0 to M9 1ss	4	5	-53.7	-50.1	-50.7	-51.1	0.3	-39.9	-21.25	18.68
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	Non HT20, 6 to 54 Mbps	1	5	-49.6				0.1	-44.5	-21.25	23.30
	Non HT20, 6 to 54 Mbps	2	5	-49.6	-45.2			0.1	-38.8	-21.25	17.55
	Non HT20, 6 to 54 Mbps	3	5	-52.5	-48.2	-50.6		0.1	-40.3	-21.25	19.01
5300	Non HT20, 6 to 54 Mbps	4	5	-54.3	-50.0	-52.7	-52.2	0.1	-41.0	-21.25	19.70
53	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-49.6	-45.2			0.1	-35.8	-21.25	14.55
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	-52.5	-48.2	-50.6		0.1	-35.3	-21.25	14.01
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	-54.3	-50.0	-52.7	-52.2	0.1	-35.0	-21.25	13.70
	HT/VHT20, M0 to M7	1	5	-50.2				0.1	-45.1	-21.25	23.90

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HT/VHT20, M0 to M7	2	5	-51.0	-44.9			0.1	-38.9	-21.25	17.64
HT/VHT20, M8 to M15	2	5	-50.2	-44.5			0.1	-38.4	-21.25	17.16
HT/VHT20, M0 to M7	3	5	-52.9	-48.4	-50.2		0.1	-40.3	-21.25	19.05
HT/VHT20, M8 to M15	3	5	-51.0	-44.9	-48.1		0.1	-37.5	-21.25	16.23
HT/VHT20, M16 to M23	3	5	-50.2	-44.5	-47.0		0.1	-36.8	-21.25	15.57
HT/VHT20, M0 to M7	4	5	-53.5	-50.5	-51.5	-52.8	0.1	-40.8	-21.25	19.60
HT/VHT20, M8 to M15	4	5	-52.9	-46.8	-50.1	-49.3	0.1	-38.2	-21.25	16.93
HT/VHT20, M16 to M23	4	5	-51.0	-44.9	-48.1	-48.8	0.1	-36.6	-21.25	15.31
HT/VHT20, M24 to M31	4	5	-51.0	-44.9	-48.1	-48.8	0.1	-36.6	-21.25	15.31
HT/VHT20 Beam Forming, M0 to M7	2	8	-51.0	-44.9			0.1	-35.9	-21.25	14.64
HT/VHT20 Beam Forming, M8 to M15	2	5	-50.2	-44.5			0.1	-38.4	-21.25	17.16
HT/VHT20 Beam Forming, M0 to M7	3	10	-52.9	-48.4	-50.2		0.1	-35.3	-21.25	14.05
HT/VHT20 Beam Forming, M8 to M15	3	7	-51.0	-44.9	-48.1		0.1	-35.5	-21.25	14.23
HT/VHT20 Beam Forming, M16 to M23	3	5	-50.2	-44.5	-47.0		0.1	-36.8	-21.25	15.57
HT/VHT20 Beam Forming, M0 to M7	4	11	-53.5	-50.5	-51.5	-52.8	0.1	-34.8	-21.25	13.60
HT/VHT20 Beam Forming, M8 to M15	4	8	-52.9	-46.8	-50.1	-49.3	0.1	-35.2	-21.25	13.93
HT/VHT20 Beam Forming, M16 to M23	4	6	-51.0	-44.9	-48.1	-48.8	0.1	-35.6	-21.25	14.31
HT/VHT20 Beam Forming, M24 to M31	4	5	-51.0	-44.9	-48.1	-48.8	0.1	-36.6	-21.25	15.31
HT/VHT20 STBC, M0 to M7	2	5	-50.2	-44.5			0.1	-38.4	-21.25	17.16
HT/VHT20 STBC, M0 to M7	3	5	-51.0	-44.9	-48.1		0.1	-37.5	-21.25	16.23
HT/VHT20 STBC, M0 to M7	4	5	-52.9	-46.8	-50.1	-49.3	0.1	-38.2	-21.25	16.93
HE20, M0 to M9 1ss	1	5	-49.8				0.1	-44.7	-21.25	23.48
HE20, M0 to M9 1ss	2	5	-49.7	-46.0			0.1	-39.4	-21.25	18.14
HE20, M0 to M9 2ss	2	5	-49.8	-43.7			0.1	-37.7	-21.25	16.43
HE20, M0 to M9 1ss	3	5	-52.9	-48.1	-50.3		0.1	-40.2	-21.25	18.92
HE20, M0 to M9 2ss	3	5	-49.7	-46.0	-48.4		0.1	-37.9	-21.25	16.67
HE20, M0 to M9 3ss	3	5	-49.8	-43.7	-47.6		0.1	-36.4	-21.25	15.20
HE20, M0 to M9 1ss	4	5	-54.3	-49.8	-51.7	-52.0	0.1	-40.6	-21.25	19.33
HE20, M0 to M9 2ss	4	5	-52.6	-48.0	-48.9	-49.9	0.1	-38.5	-21.25	17.20
HE20, M0 to M9 3ss	4	5	-49.7	-46.0	-48.4	-48.8	0.1	-36.9	-21.25	15.66
HE20, M0 to M9 4ss	4	5	-49.7	-46.0	-48.4	-48.8	0.1	-36.9	-21.25	15.66
HE20 Beam Forming, M0 to M9 1ss	2	8	-49.7	-46.0			0.1	-36.4	-21.25	15.14
HE20 Beam Forming, M0 to M9 2ss	2	5	-49.8	-43.7			0.1	-37.7	-21.25	16.43
HE20 Beam Forming, M0 to M9 1ss	3	10	-52.9	-48.1	-50.3		0.1	-35.2	-21.25	13.92
HE20 Beam Forming, M0 to M9 2ss	3	7	-49.7	-46.0	-48.4		0.1	-35.9	-21.25	14.67
HE20 Beam Forming, M0 to M9 3ss	3	5	-49.8	-43.7	-47.6		0.1	-36.4	-21.25	15.20
HE20 Beam Forming, M0 to M9 1ss	4	11	-54.3	-49.8	-51.7	-52.0	0.1	-34.6	-21.25	13.33
HE20 Beam Forming, M0 to M9 2ss	4	8	-52.6	-48.0	-48.9	-49.9	0.1	-35.5	-21.25	14.20
HE20 Beam Forming, M0 to M9 3ss	4	6	-49.7	-46.0	-48.4	-48.8	0.1	-35.9	-21.25	14.66
HE20 Beam Forming, M0 to M9 4ss	4	5	-49.7	-46.0	-48.4	-48.8	0.1	-36.9	-21.25	15.66
HE20 STBC, M0 to M9 2ss	2	5	-49.8	-43.7			0.1	-37.7	-21.25	16.43
HE20 STBC, M0 to M9 2ss	3	5	-49.7	-46.0	-48.4		0.1	-37.9	-21.25	16.67

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	HE20 STBC, M0 to M9 2ss	4	5	-52.6	-48.0	-48.9	-49.9	0.1	-38.5	-21.25	17.20
	Non HT40, 6 to 54 Mbps	1	5	-52.0				0.1	-46.9	-21.25	25.70
	Non HT40, 6 to 54 Mbps	2	5	-52.0	-48.7			0.1	-42.0	-21.25	20.73
	Non HT40, 6 to 54 Mbps	3	5	-52.0	-48.7	-50.5		0.1	-40.4	-21.25	19.12
	Non HT40, 6 to 54 Mbps	4	5	-53.9	-49.3	-50.8	-52.0	0.1	-40.1	-21.25	18.86
	HT/VHT40, M0 to M7	1	5	-53.4				0.1	-48.3	-21.25	27.10
	HT/VHT40, M0 to M7	2	5	-53.4	-48.1			0.1	-41.9	-21.25	20.67
	HT/VHT40, M8 to M15	2	5	-53.4	-48.1			0.1	-41.9	-21.25	20.67
	HT/VHT40, M0 to M7	3	5	-53.4	-48.1	-50.9		0.1	-40.4	-21.25	19.20
	HT/VHT40, M8 to M15	3	5	-53.4	-48.1	-50.9		0.1	-40.4	-21.25	19.20
	HT/VHT40, M16 to M23	3	5	-53.4	-48.1	-50.9		0.1	-40.4	-21.25	19.20
	HT/VHT40, M0 to M7	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HT/VHT40, M8 to M15	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HT/VHT40, M16 to M23	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HT/VHT40, M24 to M31	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HT/VHT40 Beam Forming, M0 to M7	2	8	-53.4	-49.4			0.1	-39.9	-21.25	18.64
	HT/VHT40 Beam Forming, M8 to M15	2	5	-53.4	-48.1			0.1	-41.9	-21.25	20.67
	HT/VHT40 Beam Forming, M0 to M7	3	10	-53.9	-49.5	-53.1		0.1	-36.9	-21.25	15.65
	HT/VHT40 Beam Forming, M8 to M15	3	7	-53.4	-49.4	-51.6		0.1	-39.3	-21.25	18.09
	HT/VHT40 Beam Forming, M16 to M23	3	5	-53.4	-48.1	-50.9		0.1	-40.4	-21.25	19.20
9	HT/VHT40 Beam Forming, M0 to M7	4	11	-56.0	-50.8	-53.2	-52.2	0.1	-35.6	-21.25	14.34
5310	HT/VHT40 Beam Forming, M8 to M15	4	8	-53.9	-49.5	-53.1	-52.0	0.1	-37.7	-21.25	16.46
	HT/VHT40 Beam Forming, M16 to M23	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HT/VHT40 Beam Forming, M24 to M31	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HT/VHT40 STBC, M0 to M7	2	5	-53.4	-48.1			0.1	-41.9	-21.25	20.67
	HT/VHT40 STBC, M0 to M7	3	5	-53.4	-48.1	-50.9		0.1	-40.4	-21.25	19.20
	HT/VHT40 STBC, M0 to M7	4	5	-53.4	-48.1	-50.9	-50.7	0.1	-39.3	-21.25	18.05
	HE40, M0 to M9 1ss	1	5	-53.3				0.1	-48.2	-21.25	26.98
	HE40, M0 to M9 1ss	2	5	-53.8	-49.0			0.1	-42.7	-21.25	21.44
	HE40, M0 to M9 2ss	2	5	-53.8	-49.0			0.1	-42.7	-21.25	21.44
	HE40, M0 to M9 1ss	3	5	-53.8	-49.0	-51.8		0.1	-41.2	-21.25	20.00
	HE40, M0 to M9 2ss	3	5	-53.8	-49.0	-51.8		0.1	-41.2	-21.25	20.00
	HE40, M0 to M9 3ss	3	5	-53.8	-49.0	-51.8		0.1	-41.2	-21.25	20.00
	HE40, M0 to M9 1ss	4	5	-53.8	-49.0	-51.8	-50.9	0.1	-39.9	-21.25	18.70
	HE40, M0 to M9 2ss	4	5	-53.8	-49.0	-51.8	-50.9	0.1	-39.9	-21.25	18.70
	HE40, M0 to M9 3ss	4	5	-53.8	-49.0	-51.8	-50.9	0.1	-39.9	-21.25	18.70
	HE40, M0 to M9 4ss	4	5	-53.8	-49.0	-51.8	-50.9	0.1	-39.9	-21.25	18.70
	HE40 Beam Forming, M0 to M9 1ss	2	8	-53.8	-49.0			0.1	-39.7	-21.25	18.44
	HE40 Beam Forming, M0 to M9 2ss	2	5	-53.8	-49.0			0.1	-42.7	-21.25	21.44
	HE40 Beam Forming, M0 to M9 1ss	3	10	-56.1	-51.4	-52.8		0.1	-38.2	-21.25	16.94
	HE40 Beam Forming, M0 to M9 2ss	3	7	-53.8	-49.0	-51.8		0.1	-39.2	-21.25	18.00

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	HE40 Beam Forming, M0 to M9 3ss	3	5	-53.8	-49.0	-51.8		0.1	-41.2	-21.25	20.00
	HE40 Beam Forming, M0 to M9 1ss	4	11	-56.1	-51.4	-54.1	-53.3	0.1	-36.3	-21.25	15.07
	HE40 Beam Forming, M0 to M9 2ss	4	8	-54.3	-50.3	-52.5	-53.0	0.1	-38.2	-21.25	16.94
	HE40 Beam Forming, M0 to M9 3ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	HE40 Beam Forming, M0 to M9 4ss	4	5	-53.8	-49.0	-51.8	-50.9	0.1	-39.9	-21.25	18.70
	HE40 STBC, M0 to M9 2ss	2	5	-53.8	-49.0			0.1	-42.7	-21.25	21.44
	HE40 STBC, M0 to M9 2ss	3	5	-53.8	-49.0	-51.8		0.1	-41.2	-21.25	20.00
	HE40 STBC, M0 to M9 2ss	4	5	-53.8	-49.0	-51.8	-50.9	0.1	-39.9	-21.25	18.70
	Non HT20, 6 to 54 Mbps	1	5	-51.1				0.1	-46.0	-21.25	24.80
	Non HT20, 6 to 54 Mbps	2	5	-51.1	-47.7			0.1	-41.0	-21.25	19.76
	Non HT20, 6 to 54 Mbps	3	5	-53.2	-49.1	-50.8		0.1	-40.9	-21.25	19.65
	Non HT20, 6 to 54 Mbps	4	5	-53.6	-51.8	-52.9	-52.8	0.1	-41.7	-21.25	20.41
	Non HT20 Beam Forming, 6 to 54 Mbps	2	8	-52.2	-47.2			0.1	-38.0	-21.25	16.71
	Non HT20 Beam Forming, 6 to 54 Mbps	3	10	-53.2	-49.1	-50.8		0.1	-35.9	-21.25	14.65
	Non HT20 Beam Forming, 6 to 54 Mbps	4	11	-53.6	-51.8	-52.9	-52.8	0.1	-35.7	-21.25	14.41
	HT/VHT20, M0 to M7	1	5	-51.2				0.1	-46.1	-21.25	24.90
	HT/VHT20, M0 to M7	2	5	-51.4	-48.2			0.1	-41.4	-21.25	20.20
	HT/VHT20, M8 to M15	2	5	-51.4	-48.2			0.1	-41.4	-21.25	20.20
	HT/VHT20, M0 to M7	3	5	-53.0	-51.0	-50.9		0.1	-41.7	-21.25	20.46
	HT/VHT20, M8 to M15	3	5	-51.4	-48.2	-49.8		0.1	-39.8	-21.25	18.53
	HT/VHT20, M16 to M23	3	5	-51.4	-48.2	-49.8		0.1	-39.8	-21.25	18.53
	HT/VHT20, M0 to M7	4	5	-54.4	-51.2	-52.2	-51.4	0.1	-41.1	-21.25	19.81
	HT/VHT20, M8 to M15	4	5	-53.0	-49.1	-50.9	-50.6	0.1	-39.6	-21.25	18.36
	HT/VHT20, M16 to M23	4	5	-51.4	-48.2	-49.8	-50.0	0.1	-38.6	-21.25	17.38
5320	HT/VHT20, M24 to M31	4	5	-51.4	-48.2	-49.8	-50.0	0.1	-38.6	-21.25	17.38
5	HT/VHT20 Beam Forming, M0 to M7	2	8	-53.0	-49.1			0.1	-39.6	-21.25	18.31
	HT/VHT20 Beam Forming, M8 to M15	2	5	-51.4	-48.2			0.1	-41.4	-21.25	20.20
	HT/VHT20 Beam Forming, M0 to M7	3	10	-53.0	-51.0	-50.9		0.1	-36.7	-21.25	15.46
	HT/VHT20 Beam Forming, M8 to M15	3	7	-53.0	-49.1	-50.9		0.1	-38.9	-21.25	17.64
	HT/VHT20 Beam Forming, M16 to M23	3	5	-51.4	-48.2	-49.8		0.1	-39.8	-21.25	18.53
	HT/VHT20 Beam Forming, M0 to M7	4	11	-54.4	-51.2	-52.2	-51.4	0.1	-35.1	-21.25	13.81
	HT/VHT20 Beam Forming, M8 to M15	4	8	-53.0	-49.1	-50.9	-50.6	0.1	-36.6	-21.25	15.36
	HT/VHT20 Beam Forming, M16 to M23	4	6	-53.0	-49.1	-50.9	-50.6	0.1	-38.6	-21.25	17.36
	HT/VHT20 Beam Forming, M24 to M31	4	5	-51.4	-48.2	-49.8	-50.0	0.1	-38.6	-21.25	17.38
	HT/VHT20 STBC, M0 to M7	2	5	-51.4	-48.2			0.1	-41.4	-21.25	20.20
	HT/VHT20 STBC, M0 to M7	3	5	-51.4	-48.2	-49.8		0.1	-39.8	-21.25	18.53
	HT/VHT20 STBC, M0 to M7	4	5	-53.0	-49.1	-50.9	-50.6	0.1	-39.6	-21.25	18.36
	HE20, M0 to M9 1ss	1	5	-51.7				0.1	-46.6	-21.25	25.38
	HE20, M0 to M9 1ss	2	5	-51.7	-47.2			0.1	-40.8	-21.25	19.56
	HE20, M0 to M9 2ss	2	5	-51.7	-47.2			0.1	-40.8	-21.25	19.56
	HE20, M0 to M9 1ss	3	5	-53.7	-49.4	-50.9		0.1	-41.2	-21.25	19.90
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	HE20, M0 to M9 2ss	3	5	-53.3	-48.1	-49.3		0.1	-39.9	-21.25	18.64
	HE20, M0 to M9 3ss	3	5	-53.3	-48.1	-49.3		0.1	-39.9	-21.25	18.64
	HE20, M0 to M9 1ss	4	5	-54.5	-51.8	-52.6	-52.4	0.1	-41.6	-21.25	20.38
	HE20, M0 to M9 2ss	4	5	-53.3	-48.1	-49.3	-50.2	0.1	-38.8	-21.25	17.51
	HE20, M0 to M9 3ss	4	5	-53.3	-48.1	-49.3	-50.2	0.1	-38.8	-21.25	17.51
	HE20, M0 to M9 4ss	4	5	-53.3	-48.1	-49.3	-50.2	0.1	-38.8	-21.25	17.51
	HE20 Beam Forming, M0 to M9 1ss	2	8	-53.7	-49.4			0.1	-40.0	-21.25	18.71
	HE20 Beam Forming, M0 to M9 2ss	2	5	-51.7	-47.2			0.1	-40.8	-21.25	19.56
	HE20 Beam Forming, M0 to M9 1ss	3	10	-53.7	-49.4	-50.9		0.1	-36.2	-21.25	14.90
	HE20 Beam Forming, M0 to M9 2ss	3	7	-53.7	-49.4	-50.9		0.1	-39.2	-21.25	17.90
	HE20 Beam Forming, M0 to M9 3ss	3	5	-53.3	-48.1	-49.3		0.1	-39.9	-21.25	18.64
	HE20 Beam Forming, M0 to M9 1ss	4	11	-54.5	-51.8	-52.6	-52.4	0.1	-35.6	-21.25	14.38
	HE20 Beam Forming, M0 to M9 2ss	4	8	-53.7	-49.4	-50.9	-51.1	0.1	-36.9	-21.25	15.68
	HE20 Beam Forming, M0 to M9 3ss	4	6	-53.3	-48.1	-49.3	-50.2	0.1	-37.8	-21.25	16.51
	HE20 Beam Forming, M0 to M9 4ss	4	5	-53.3	-48.1	-49.3	-50.2	0.1	-38.8	-21.25	17.51
	HE20 STBC, M0 to M9 2ss	2	5	-51.7	-47.2			0.1	-40.8	-21.25	19.56
	HE20 STBC, M0 to M9 2ss	3	5	-53.3	-48.1	-49.3		0.1	-39.9	-21.25	18.64
	HE20 STBC, M0 to M9 2ss	4	5	-53.3	-48.1	-49.3	-50.2	0.1	-38.8	-21.25	17.51
	Non HT160, 6 to 54 Mbps	1	5	-49.2				0.1	-44.1	-21.25	22.90
	Non HT160, 6 to 54 Mbps	2	5	-52.2	-47.4			0.1	-41.1	-21.25	19.86
	Non HT160, 6 to 54 Mbps	3	5	-52.2	-47.4	-49.4		0.1	-39.4	-21.25	18.17
	Non HT160, 6 to 54 Mbps	4	5	-52.2	-47.4	-49.4	-49.1	0.1	-38.1	-21.25	16.89
	VHT160, M0 to M9 1ss	1	5	-47.3				0.1	-42.2	-21.25	21.00
	VHT160, M0 to M9 1ss	2	5	-49.2	-49.7			0.1	-41.4	-21.25	20.13
	VHT160, M0 to M9 2ss	2	5	-49.2	-49.7			0.1	-41.4	-21.25	20.13
	VHT160, M0 to M9 1ss	3	5	-49.2	-49.7	-51.0		0.1	-40.1	-21.25	18.83
	VHT160, M0 to M9 2ss	3	5	-49.2	-49.7	-51.0		0.1	-40.1	-21.25	18.83
	VHT160, M0 to M9 3ss	3	5	-49.2	-49.7	-51.0		0.1	-40.1	-21.25	18.83
0	VHT160, M0 to M9 1ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
5250	VHT160, M0 to M9 2ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
2	VHT160, M0 to M9 3ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
	VHT160, M0 to M9 4ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
	VHT160 Beam Forming, M0 to M9 1ss	2	8	-51.7	-49.3			0.1	-39.3	-21.25	18.02
	VHT160 Beam Forming, M0 to M9 2ss	2	5	-49.2	-49.7			0.1	-41.4	-21.25	20.13
	VHT160 Beam Forming, M0 to M9 1ss	3	10	-54.5	-51.0	-51.3		0.1	-37.2	-21.25	15.93
	VHT160 Beam Forming, M0 to M9 2ss	3	7	-51.7	-49.3	-51.7		0.1	-38.9	-21.25	17.67
	VHT160 Beam Forming, M0 to M9 3ss	3	5	-49.2	-49.7	-51.0		0.1	-40.1	-21.25	18.83
	VHT160 Beam Forming, M0 to M9 1ss	4	11	-54.5	-51.0	-51.3	-52.1	0.1	-35.0	-21.25	13.70
	VHT160 Beam Forming, M0 to M9 2ss	4	8	-51.7	-49.3	-51.7	-51.2	0.1	-36.8	-21.25	15.53
	VHT160 Beam Forming, M0 to M9 3ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
	VHT160 Beam Forming, M0 to M9 4ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
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VHT160 STBC, M0 to M9 1ss	2	5	-49.2	-49.7			0.1	-41.4	-21.25	20.13
VHT160 STBC, M0 to M9 1ss	3	5	-49.2	-49.7	-51.0		0.1	-40.1	-21.25	18.83
VHT160 STBC, M0 to M9 1ss	4	5	-49.2	-49.7	-51.0	-50.1	0.1	-38.9	-21.25	17.63
HE160, M0 to M9 1ss	1	5	-47.5				0.1	-42.4	-21.25	21.18
HE160, M0 to M9 1ss	2	5	-47.5	-46.8			0.1	-39.1	-21.25	17.81
HE160, M0 to M9 2ss	2	5	-47.5	-46.8			0.1	-39.1	-21.25	17.81
HE160, M0 to M9 1ss	3	5	-47.5	-46.8	-48.1		0.1	-37.6	-21.25	16.35
HE160, M0 to M9 2ss	3	5	-47.5	-46.8	-48.1		0.1	-37.6	-21.25	16.35
HE160, M0 to M9 3ss	3	5	-47.5	-46.8	-48.1		0.1	-37.6	-21.25	16.35
HE160, M0 to M9 1ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65
HE160, M0 to M9 2ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65
HE160, M0 to M9 3ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65
HE160, M0 to M9 4ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65
HE160 Beam Forming, M0 to M9 1ss	2	8	-49.4	-48.6			0.1	-37.9	-21.25	16.65
HE160 Beam Forming, M0 to M9 2ss	2	5	-47.5	-46.8			0.1	-39.1	-21.25	17.81
HE160 Beam Forming, M0 to M9 1ss	3	10	-52.6	-49.9	-51.0		0.1	-36.2	-21.25	14.94
HE160 Beam Forming, M0 to M9 2ss	3	7	-49.4	-48.6	-49.3		0.1	-37.2	-21.25	16.00
HE160 Beam Forming, M0 to M9 3ss	3	5	-47.5	-46.8	-48.1		0.1	-37.6	-21.25	16.35
HE160 Beam Forming, M0 to M9 1ss	4	11	-54.4	-49.9	-52.2	-50.4	0.1	-34.3	-21.25	13.06
HE160 Beam Forming, M0 to M9 2ss	4	8	-51.6	-49.0	-50.3	-50.4	0.1	-36.1	-21.25	14.89
HE160 Beam Forming, M0 to M9 3ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65
HE160 Beam Forming, M0 to M9 4ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65
HE160 STBC, M0 to M9 1ss	2	5	-47.5	-46.8			0.1	-39.1	-21.25	17.81
HE160 STBC, M0 to M9 1ss	3	5	-47.5	-46.8	-48.1		0.1	-37.6	-21.25	16.35
HE160 STBC, M0 to M9 1ss	4	5	-49.4	-48.6	-49.3	-48.7	0.1	-37.9	-21.25	16.65

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Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7





Antenna A

Antenna B





Antenna C

Antenna D



A.6 Conducted Receiver Spurious Emissions





Spurious Of Receive Peak Upper, 5260 MHz, Non HT20, 6 to 54 Mbps



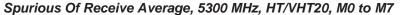
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Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Rx 1 Spur Power (dBm)	Rx 2 Spur Power (dBm)	Rx 3 Spur Power (dBm)	Rx 4 Spur Power (dBm)	Duty Cycle Correction (dB)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
0	Non HT20, 6 to 54 Mbps	4	5	-86.4	-86.7	-86.7	-86.6	0.1	-75.5	-41.25	34.28
5260	HT/VHT20, M0 to M7	4	5	-86.1	-86.2	-86.7	-86.5	0.1	-75.3	-41.25	34.05
4,	HE20, M0 to M9 1ss	4	5	-86.4	-86.6	-86.6	-86.1	0.1	-75.3	-41.25	34.08
									-		
0	Non HT40, 6 to 54 Mbps	4	5	-86.4	-86.7	-86.8	-86.7	0.0	-75.6	-41.25	34.33
5270	HT/VHT40, M0 to M7	4	5	-86.5	-86.8	-86.7	-86.5	0.1	-75.5	-41.25	34.25
	HE40, M0 to M9 1ss	4	5	-86.0	-86.3	-87.1	-86.4	0.1	-75.3	-41.25	34.04
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06	Non HT80, 6 to 54 Mbps	4	5	-86.4	-86.5	-86.8	-86.8	0.1	-75.6	-41.25	34.30
5290	VHT80, M0 to M9 1ss	4	5	-86.5	-86.9	-86.7	-86.7	0.2	-75.5	-41.25	34.21
	HE80, M0 to M9 1ss	4	5	-86.2	-86.6	-86.9	-86.7	0.3	-75.3	-41.25	34.07
	New LITCO Case 54 Mbms	1	F	00.4	00.4	00.0	00.0	0.4	75.0	44.05	24.00
5300	Non HT20, 6 to 54 Mbps HT/VHT20, M0 to M7	4	5 5	-86.1 -86.1	-86.4 -86.1	-86.9 -86.4	-86.3 -86.2	0.1 0.1	-75.3 -75.1	-41.25	34.09 33.88
53	HE20, M0 to M9 1ss	4	5	-86.3	-86.5	-86.6	-86.0	0.1	-75.1	-41.25	34.01
	11L20, 1010 to 1013 133	7	J	-00.5	-00.5	-00.0	-00.0	0.1	-73.3	-41.20	34.01
	Non HT40, 6 to 54 Mbps	4	5	-86.2	-86.6	-86.8	-86.6	0.1	-75.5	-41.25	34.22
5310	HT/VHT40, M0 to M7	4	5	-85.9	-86.7	-86.7	-86.5	0.1	-75.4	-41.25	34.11
53	HE40, M0 to M9 1ss	4	5	-86.3	-86.4	-86.5	-86.3	0.1	-75.3	-41.25	34.04
	Non HT20, 6 to 54 Mbps	4	5	-86.4	-86.5	-86.5	-86.3	0.1	-75.4	-41.25	34.10
5320	HT/VHT20, M0 to M7	4	5	-86.1	-86.5	-86.7	-86.5	0.1	-75.4	-41.25	34.12
5	HE20, M0 to M9 1ss	4	5	-86.2	-86.4	-86.3	-86.1	0.1	-75.2	-41.25	33.91
0	Non HT160, 6 to 54 Mbps	4	5	-86.4	-86.3	-86.7	-86.4	0.1	-75.4	-41.25	34.13
5250	VHT160, M0 to M9 1ss	4	5	-86.3	-86.6	-86.6	-86.5	0.1	-75.4	-41.25	34.17
4,	HE160, M0 to M9 1ss	4	5	-86.1	-86.3	-86.5	-86.4	0.1	-75.2	-41.25	33.98

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Antenna A







Antenna C

Antenna D



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Rx 1 Spur Power (dBm)	Rx 2 Spur Power (dBm)	Rx 3 Spur Power (dBm)	Rx 4 Spur Power (dBm)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
0	Non HT20, 6 to 54 Mbps	4	5	-68.6	-68.7	-69.6	-69.1	-57.9	-21.25	36.66
5260	HT/VHT20, M0 to M7	4	5	-69.2	-68.9	-68.9	-68.2	-57.7	-21.25	36.46
	HE20, M0 to M9 1ss	4	5	-68.3	-69.7	-69.7	-70.0	-58.3	-21.25	37.03
						i				
0	Non HT40, 6 to 54 Mbps	4	5	-68.7	-69.1	-69.8	-68.6	-58.0	-21.25	36.71
5270	HT/VHT40, M0 to M7	4	5	-69.8	-68.4	-69.6	-69.3	-58.1	-21.25	36.87
	HE40, M0 to M9 1ss	4	5	-69.2	-68.9	-69.5	-68.3	-57.8	-21.25	36.56
	No. LITO O G SAME	4	_	00.0	00.0	00.0	00.0	50.0	04.05	00.04
5290	Non HT80, 6 to 54 Mbps	4	5	-68.9	-69.6	-69.6	-68.9	-58.2	-21.25	36.91
52	VHT80, M0 to M9 1ss	4	5	-69.0	-67.7	-68.3	-68.4	-57.1	-21.25	35.84
	HE80, M0 to M9 1ss	4	5	-68.9	-68.8	-69.2	-69.2	-57.8	-21.25	36.50
	Non HT20, 6 to 54 Mbps	4	5	-69.4	-69.6	-67.8	-68.9	-57.8	-21.25	36.55
5300	HT/VHT20, M0 to M7	4	5	-69.0	-69.4	-69.5	-69.2	-58.2	-21.25	36.95
53	HE20, M0 to M9 1ss	4	5	-69.0	-68.8	-69.7	-68.6	-57.9	-21.25	36.67
	11220, 1110 to 1110 100			00.0	00.0	00.7	00.0	07.0	21.20	00.07
	Non HT40, 6 to 54 Mbps	4	5	-69.2	-68.9	-68.9	-69.0	-57.9	-21.25	36.68
5310	HT/VHT40, M0 to M7	4	5	-68.7	-69.5	-69.6	-68.4	-57.9	-21.25	36.70
27	HE40, M0 to M9 1ss	4	5	-68.7	-69.5	-69.7	-69.1	-58.1	-21.25	36.89
	<u> </u>		-							
	Non HT20, 6 to 54 Mbps	4	5	-67.4	-69.6	-69.7	-69.2	-57.8	-21.25	36.55
5320	HT/VHT20, M0 to M7	4	5	-68.7	-69.3	-69.6	-69.4	-58.2	-21.25	36.91
2	HE20, M0 to M9 1ss	4	5	-68.0	-67.9	-69.3	-69.8	-57.6	-21.25	36.34
					_					
0	Non HT160, 6 to 54 Mbps	4	5	-69.0	-69.6	-69.3	-68.9	-58.1	-21.25	36.87
5250	VHT160, M0 to M9 1ss	4	5	-68.4	-69.4	-69.3	-69.6	-58.1	-21.25	36.83
4,	HE160, M0 to M9 1ss	4	5	-68.7	-69.0	-69.6	-69.2	-58.0	-21.25	36.77

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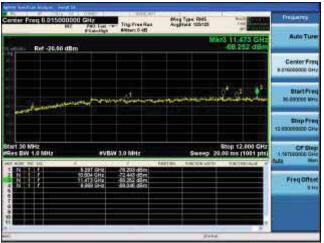
Spurious Of Receive Peak, 5290 MHz, VHT80, M0 to M9 1ss





Antenna A







Antenna C Antenna D



A.7 Conducted Bandedge

Conducted Band Edge Test Requirement

15.407(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Unwanted Emissions that fall Outside of the Restricted Bands

- a) For all measurements, follow the requirements in II.G.3. "General Requirements for Unwanted Emissions Measurements."
- b) At frequencies below 1000 MHz, use the procedure described in II.G.4. "Procedure for Unwanted Emissions Measurements Below 1000 MHz."
- c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in II.G.5., "Procedure for Unwanted Emissions Measurements Above 1000 MHz."
- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.3

Conducted Band Edge Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Ref. ANSI C63.10: 2013

Conducted Spurious Emissions

Test Procedure

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Place the radio in continuous transmit mode
- 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).
- 4. Use the peak marker function to determine the maximum spurs amplitude level.
- 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2)
- 6. Capture graphs and record pertinent measurement data.

Ref. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions

Test parameters

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Peak	Average
RBW = 1 MHz	RBW = 1 MHz
$VBW \ge 3 MHz$	$VBW \ge 3 MHz$
Sweep = Auto	Sweep = Auto
Detector = Peak	Detector = RMS
Trace = Max Hold.	Power Averaging

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment		
4	EUT	S01	\checkmark			
1	Support			\		

Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Duty Cycle Correction (dB)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	Non HT80, 6 to 54 Mbps	1	5	-49.2				0.1	-44.1	-41.25	2.90
	Non HT80, 6 to 54 Mbps	2	5	-49.2	-55.9			0.1	-43.3	-41.25	2.06
	Non HT80, 6 to 54 Mbps	3	5	-49.2	-55.9	-53.0		0.1	-42.0	-41.25	0.78
	Non HT80, 6 to 54 Mbps	4	5	-49.2	-55.9	-53.0	-54.5	0.1	-41.3	-41.25	0.05
	VHT80, M0 to M9 1ss	1	5	-47.8				0.2	-42.6	-41.25	1.33
	VHT80, M0 to M9 1ss	2	5	-47.8	-54.5			0.2	-41.7	-41.25	0.49
	VHT80, M0 to M9 2ss	2	5	-47.8	-54.5			0.2	-41.7	-41.25	0.49
	VHT80, M0 to M9 1ss	3	5	-50.5	-55.8	-54.7		0.2	-43.0	-41.25	1.79
	VHT80, M0 to M9 2ss	3	5	-50.5	-55.8	-54.7		0.2	-43.0	-41.25	1.79
	VHT80, M0 to M9 3ss	3	5	-50.5	-55.8	-54.7		0.2	-43.0	-41.25	1.79
	VHT80, M0 to M9 1ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
	VHT80, M0 to M9 2ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
	VHT80, M0 to M9 3ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
	VHT80, M0 to M9 4ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
5290	VHT80 Beam Forming, M0 to M9 1ss	2	8	-53.6	-56.9			0.2	-43.7	-41.25	2.47
52	VHT80 Beam Forming, M0 to M9 2ss	2	5	-47.8	-54.5			0.2	-41.7	-41.25	0.49
	VHT80 Beam Forming, M0 to M9 1ss	3	10	-56.5	-58.7	-58.0		0.2	-42.6	-41.25	1.40
	VHT80 Beam Forming, M0 to M9 2ss	3	7	-53.6	-56.9	-56.5		0.2	-43.4	-41.25	2.17
	VHT80 Beam Forming, M0 to M9 3ss	3	5	-50.5	-55.8	-54.7		0.2	-43.0	-41.25	1.79
	VHT80 Beam Forming, M0 to M9 1ss	4	11	-58.4	-59.0	-58.8	-59.8	0.2	-41.7	-41.25	0.48
	VHT80 Beam Forming, M0 to M9 2ss	4	8	-53.6	-56.9	-56.5	-56.3	0.2	-41.4	-41.25	0.12
	VHT80 Beam Forming, M0 to M9 3ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
	VHT80 Beam Forming, M0 to M9 4ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
	VHT80 STBC, M0 to M9 1ss	2	5	-47.8	-54.5			0.2	-41.7	-41.25	0.49
	VHT80 STBC, M0 to M9 1ss	3	5	-50.5	-55.8	-54.7		0.2	-43.0	-41.25	1.79
	VHT80 STBC, M0 to M9 1ss	4	5	-50.5	-55.8	-54.7	-55.3	0.2	-42.3	-41.25	1.01
	HE80, M0 to M9 1ss	1	5	-46.8				0.3	-41.5	-41.25	0.30
	HE80, M0 to M9 1ss	2	5	-50.6	-56.7			0.3	-44.4	-41.25	3.15
	HE80, M0 to M9 2ss	2	5	-50.6	-56.7			0.3	-44.4	-41.25	3.15
	HE80, M0 to M9 1ss	3	5	-50.6	-56.7	-54.1		0.3	-43.1	-41.25	1.82

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	HE80, M0 to M9 2ss	3	5	-50.6	-56.7	-54.1		0.3	-43.1	-41.25	1.82
	HE80, M0 to M9 3ss	3	5	-50.6	-56.7	-54.1		0.3	-43.1	-41.25	1.82
	HE80, M0 to M9 1ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	HE80, M0 to M9 2ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	HE80, M0 to M9 3ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	HE80, M0 to M9 4ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	HE80 Beam Forming, M0 to M9 1ss	2	8	-50.6	-56.7			0.3	-41.4	-41.25	0.15
	HE80 Beam Forming, M0 to M9 2ss	2	5	-50.6	-56.7			0.3	-44.4	-41.25	3.15
	HE80 Beam Forming, M0 to M9 1ss	3	10	-55.3	-58.0	-57.3		0.3	-41.7	-41.25	0.44
	HE80 Beam Forming, M0 to M9 2ss	3	7	-53.1	-57.2	-55.8		0.3	-43.0	-41.25	1.75
	HE80 Beam Forming, M0 to M9 3ss	3	5	-50.6	-56.7	-54.1		0.3	-43.1	-41.25	1.82
	HE80 Beam Forming, M0 to M9 1ss	4	11	-57.6	-59.9	-58.4	-59.5	0.3	-41.5	-41.25	0.23
	HE80 Beam Forming, M0 to M9 2ss	4	8	-55.3	-58.0	-57.3	-58.1	0.3	-42.7	-41.25	1.50
	HE80 Beam Forming, M0 to M9 3ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	HE80 Beam Forming, M0 to M9 4ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	HE80 STBC, M0 to M9 1ss	2	5	-50.6	-56.7			0.3	-44.4	-41.25	3.15
	HE80 STBC, M0 to M9 1ss	3	5	-50.6	-56.7	-54.1		0.3	-43.1	-41.25	1.82
	HE80 STBC, M0 to M9 1ss	4	5	-50.6	-56.7	-54.1	-54.5	0.3	-42.1	-41.25	0.88
	Non HT40, 6 to 54 Mbps	1	5	-48.2				0.1	-43.1	-41.25	1.90
	Non HT40, 6 to 54 Mbps	2	5	-48.2	-53.5			0.1	-42.0	-41.25	0.78
	Non HT40, 6 to 54 Mbps	3	5	-48.2	-53.5	-54.6		0.1	-41.3	-41.25	0.07
	Non HT40, 6 to 54 Mbps	4	5	-51.1	-55.4	-56.1	-55.6	0.1	-42.9	-41.25	1.70
	HT/VHT40, M0 to M7	1	5	-49.4				0.1	-44.3	-41.25	3.10
	HT/VHT40, M0 to M7	2	5	-49.4	-54.1			0.1	-43.1	-41.25	1.83
	HT/VHT40, M8 to M15	2	5	-49.4	-54.1			0.1	-43.1	-41.25	1.83
	HT/VHT40, M0 to M7	3	5	-49.4	-54.1	-55.5		0.1	-42.3	-41.25	1.10
	HT/VHT40, M8 to M15	3	5	-49.4	-54.1	-55.5		0.1	-42.3	-41.25	1.10
	HT/VHT40, M16 to M23	3	5	-49.4	-54.1	-55.5		0.1	-42.3	-41.25	1.10
0	HT/VHT40, M0 to M7	4	5	-49.4	-54.1	-55.5	-54.3	0.1	-41.5	-41.25	0.29
5310	HT/VHT40, M8 to M15	4	5	-49.4	-54.1	-55.5	-54.3	0.1	-41.5	-41.25	0.29
2	HT/VHT40, M16 to M23	4	5	-49.4	-54.1	-55.5	-54.3	0.1	-41.5	-41.25	0.29
	HT/VHT40, M24 to M31	4	5	-49.4	-54.1	-55.5	-54.3	0.1	-41.5	-41.25	0.29
	HT/VHT40 Beam Forming, M0 to M7	2	8	-52.0	-56.1			0.1	-42.5	-41.25	1.27
	HT/VHT40 Beam Forming, M8 to M15	2	5	-49.4	-54.1			0.1	-43.1	-41.25	1.83
	HT/VHT40 Beam Forming, M0 to M7	3	10	-54.7	-56.9	-58.3		0.1	-41.6	-41.25	0.30
	HT/VHT40 Beam Forming, M8 to M15	3	7	-52.0	-56.1	-56.9		0.1	-42.6	-41.25	1.36
	HT/VHT40 Beam Forming, M16 to M23	3	5	-49.4	-54.1	-55.5		0.1	-42.3	-41.25	1.10
	HT/VHT40 Beam Forming, M0 to M7	4	11	-57.7	-58.3	-59.3	-59.9	0.1	-41.6	-41.25	0.39
	HT/VHT40 Beam Forming, M8 to M15	4	8	-54.7	-56.9	-58.3	-58.9	0.1	-42.8	-41.25	1.56
	HT/VHT40 Beam Forming, M16 to M23	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
	HT/VHT40 Beam Forming, M24 to M31	4	5	-49.4	-54.1	-55.5	-54.3	0.1	-41.5	-41.25	0.29
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HT/VHT40 STBC, M0 to M7	
HT/VHT40 STBC, M0 to M7 HE40, M0 to M9 1sS 1 5 -47.0 HE40, M0 to M9 1sS 2 5 -51.0 55.6 0.1 -44.6 -41.2! HE40, M0 to M9 2sS 2 5 -51.0 55.6 0.1 -44.6 -41.2! HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 2sS 3 5 -51.0 55.6 HE40, M0 to M9 3sS 3 5 -51.0 55.6 HE40, M0 to M9 3sS 4 5 -51.0 55.6 HE40, M0 to M9 2sS 4 5 -51.0 55.6 56.6 10.1 43.8 41.2! HE40, M0 to M9 2sS 4 5 -51.0 55.6 56.6 56.6 56.6 10.1 43.0 41.2! HE40, M0 to M9 4sS 4 5 -51.0 55.6 56.	1.83
HE40, M0 to M9 1ss	1.10
HE40, M0 to M9 1ss	0.29
HE40, M0 to M9 2ss	0.68
HE40, M0 to M9 1ss	3.39
HE40, M0 to M9 2ss	3.39
HE40, M0 to M9 3ss	2.58
HE40, M0 to M9 1ss	2.58
HE40, M0 to M9 2ss	2.58
HE40, M0 to M9 3ss	1.77
HE40, M0 to M9 4ss	1.77
HE40 Beam Forming, M0 to M9 1ss 2 8 -51.0 -55.6 0.1 -41.6 -41.25 HE40 Beam Forming, M0 to M9 2ss 2 5 -51.0 -55.6 0.1 -44.6 -41.25 HE40 Beam Forming, M0 to M9 1ss 3 10 -56.6 -57.9 -59.0 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 3 7 -51.0 -55.6 -56.6 0.1 -41.8 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 5 -51.0 -55.6 -56.6 0.1 -43.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 11 -60.4 -60.4 -61.6 -61.8 0.1 -43.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 8 -53.9 -56.2 -57.9 -57.9 0.1 -42.1 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 2 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 6 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 7 -51.0 -55.6 -56.	1.77
HE40 Beam Forming, M0 to M9 2ss 2 5 -51.0 -55.6 0.1 -44.6 -41.25 HE40 Beam Forming, M0 to M9 1ss 3 10 -56.6 -57.9 -59.0 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 3 7 -51.0 -55.6 -56.6 0.1 -41.8 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 5 -51.0 -55.6 -56.6 0.1 -43.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 11 -60.4 -60.4 -61.6 -61.8 0.1 -43.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 8 -53.9 -56.2 -57.9 -57.9 0.1 -42.1 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 2 5 -51.0 -55.6 -56.6 -56.6 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -56.6 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 Non HT20, 6 to 54 Mbps 2 5 -47.8 -54.6 0.1 -42.7 -41.25 Non HT20, 6 to 54 Mbps 3 5 -56.0 -59.0 -58.5 0.1 -47.8 -41.25 Non HT20, 6 to 54 Mbps 3 5 -56.0 -59.0 -58.5 0.1 -47.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -42.9 -41.25 HT/VHT20, M0 to M7 2 5 -48.6 -56.6 0.1 -56.6 0.1 -42.9 -41.25 HT/VHT20, M0 to M15 2 5 -48.6 -56.6 0.0 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.0 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 1 5 -48.6 -56.6 0.1 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 1 5 -48.6 -56.6 0.1 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 1 5 -48.6 -56.6 0.1 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 1 5 -48.	1.77
HE40 Beam Forming, M0 to M9 1ss 3 10 -56.6 -57.9 -59.0 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 3 7 -51.0 -55.6 -56.6 0.1 -41.8 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 5 -51.0 -55.6 -56.6 0.1 -43.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 11 -60.4 -60.4 -61.6 -61.8 0.1 -43.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 8 -53.9 -56.2 -57.9 -57.9 0.1 -42.1 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 2 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 Non HT20, 6 to 54 Mbps 2 2 5 -47.8 -54.6 0.1 -42.7 -41.25 Non HT20, 6 to 54 Mbps 3 5 -56.0 -59.0 -58.5 0.1 -42.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 8 -51.6 -56.3 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -49.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -42.9 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -42.9 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 0.1 -42.9 -41.25 HT/VHT20, M8 to M15	0.39
HE40 Beam Forming, M0 to M9 2ss 3 7 -51.0 -55.6 -56.6 0.1 -41.8 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 5 -51.0 -55.6 -56.6 0.1 -43.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 11 -60.4 -60.4 -61.6 -61.8 0.1 -43.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 8 -53.9 -56.2 -57.9 -57.9 0.1 -42.1 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 2 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 5 5 -47.8 -54.6 -56.6 -55.8 0.1 -43.0 -41.25 Non HT20, 6 to 54 Mbps 4 5 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 -56.6 -56.6 -56.6 -56.0 -5	3.39
HE40 Beam Forming, M0 to M9 2ss 3 7 -51.0 -55.6 -56.6 0.1 -41.8 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 5 -51.0 -55.6 -56.6 0.1 -43.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 11 -60.4 -60.4 -61.6 -61.8 0.1 -43.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 8 -53.9 -56.2 -57.9 -57.9 0.1 -42.1 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 2 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -56.6 -55.8 0.1 -42.3 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 5 5 -47.8 -56.0 -56.6 -55.8 0.1 -42.2 HE40 STBC, M0 to M9 2ss 5 5 -47.8 -56.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 5 5 -47.8 -56.6 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 5 5 -56.0 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 5 5 -56.0 -56.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 5 5 -56.0 -56.6 -56.6 -55.8 0.1 -43.0 -41.25 HE40 STBC, M0 to M9 2ss 5 5 -56.0 -56.6 -56.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 5 -56.0 -56.6 -56.6 -56.	1.63
HE40 Beam Forming, M0 to M9 1ss	0.58
HE40 Beam Forming, M0 to M9 2ss	2.58
HE40 Beam Forming, M0 to M9 3ss	2.66
HE40 Beam Forming, M0 to M9 4ss	0.81
HE40 STBC, M0 to M9 2ss 2 5 -51.0 -55.6 0.1 -44.6 -41.25 HE40 STBC, M0 to M9 2ss 3 5 -51.0 -55.6 -56.6 0.1 -43.8 -41.25 HE40 STBC, M0 to M9 2ss 4 5 -51.0 -55.6 -56.6 -55.8 0.1 -43.0 -41.25 Non HT20, 6 to 54 Mbps 1 5 -47.8 0.1 -42.7 -41.25 Non HT20, 6 to 54 Mbps 2 5 -47.8 -54.6 0.1 -47.8 -41.25 Non HT20, 6 to 54 Mbps 3 5 -56.0 -59.0 -58.5 0.1 -47.8 -41.25 Non HT20, 6 to 54 Mbps 4 5 -59.5 -60.7 -61.0 -62.2 0.1 -49.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -42.9 -41.25 HT/VHT20, M0 to M7 2 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 3 5 -48.6 -56.6 0.1 -42.8 -41.25 HT/VHT20, M8 to M15 3 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 3 5 -48.6 -56.6 0.1 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 3 5 -48.6 -56.6 0.	0.77
HE40 STBC, M0 to M9 2ss	1.77
HE40 STBC, M0 to M9 2ss	3.39
Non HT20, 6 to 54 Mbps	2.58
Non HT20, 6 to 54 Mbps 2 5 -47.8 -54.6 Non HT20, 6 to 54 Mbps 3 5 -56.0 -59.0 -58.5 Non HT20, 6 to 54 Mbps 4 5 -59.5 -60.7 -61.0 -62.2 Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps 10 -56.0 -59.0 -58.5 Non HT20 Beam Forming, 6 to 54 Mbps 11 -59.5 -60.7 -61.0 -62.2 Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps 12 8 -51.6 -56.3 Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps 11 -59.5 -60.7 -61.0 -62.2 Non HT20, M0 to M7 1 5 -46.5 HT/VHT20, M0 to M7 2 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25	1.77
Non HT20, 6 to 54 Mbps 2 5 -47.8 -54.6 Non HT20, 6 to 54 Mbps 3 5 -56.0 -59.0 -58.5 Non HT20, 6 to 54 Mbps Non HT20, 6 to 54 Mbps 4 5 -59.5 -60.7 -61.0 -62.2 Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 Beam Fo	
Non HT20, 6 to 54 Mbps	1.50
Non HT20, 6 to 54 Mbps	0.68
Non HT20 Beam Forming, 6 to 54 Mbps 2 8 -51.6 -56.3 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -41.4 -41.25 HT/VHT20, M0 to M7 2 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.6 0.1 -42.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.6 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.6 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.6 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.6 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.6 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.9 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.9 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -56.0 0.1 -42.9 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6	6.55
Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -59.0 -58.5 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 HT/VHT20, M0 to M7 1 5 -46.5 0.1 -41.4 -41.25 HT/VHT20, M0 to M7 2 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 10 -56.0 -58.5 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -42.8 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -60.7 -61.0 -62.2 0.1 -43.7 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 11 -59.5 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7 -60.7	8.42
Non HT20 Beam Forming, 6 to 54 Mbps	1.03
REPART NO. 1 1 5 -46.5 0.1 -41.4 -41.25 HT/VHT20, M0 to M7 2 5 -48.6 -56.6 0.1 -42.9 -41.25 HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25	1.55
HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25	2.42
HT/VHT20, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.25	0.20
	1.66
HT/VHT20, M0 to M7 3 5 -57.0 -58.6 -58.8 0.1 -48.2 -41.25	
HT/VHT20, M8 to M15 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.25	1.09
HT/VHT20, M16 to M23 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.25	1.09
HT/VHT20, M0 to M7 4 5 -59.7 -60.8 -61.3 -61.9 0.1 -49.8 -41.25	8.53
HT/VHT20, M8 to M15 4 5 -53.3 -57.8 -57.2 -57.5 0.1 -44.9 -41.25	3.69
HT/VHT20, M16 to M23 4 5 -48.6 -56.6 -56.5 -56.5 0.1 -41.8 -41.25	0.59

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HT/VHT20, M24 to M31 4 5 -48.6 -56.5 -56.5 0.1 -41.8 -41.29 HT/VHT20 Beam Forming, M0 to M7 2 8 -53.3 -57.8 0.1 -43.9 -41.29 HT/VHT20 Beam Forming, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.29 HT/VHT20 Beam Forming, M8 to M15 3 7 -53.3 -57.8 -57.2 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M16 to M23 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.29 HT/VHT20 Beam Forming, M0 to M7 4 11 -59.7 -60.8 -61.3 -61.9 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.29 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.29 HT/VHT20 Beam Forming, M24 to M31 4 5 -48.6 -56.6 -56.5 -56.5 0.1 -41.8	2.68 1.66 1.98 2.54 1.09 2.53 0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M8 to M15 2 5 -48.6 -56.6 0.1 -42.9 -41.29 HT/VHT20 Beam Forming, M0 to M7 3 10 -57.0 -58.6 -58.8 0.1 -43.2 -41.29 HT/VHT20 Beam Forming, M8 to M15 3 7 -53.3 -57.8 -57.2 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M16 to M23 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.29 HT/VHT20 Beam Forming, M0 to M7 4 11 -59.7 -60.8 -61.3 -61.9 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.29 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.29	1.66 1.98 2.54 1.09 2.53 0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M0 to M7 3 10 -57.0 -58.6 -58.8 0.1 -43.2 -41.29 HT/VHT20 Beam Forming, M8 to M15 3 7 -53.3 -57.8 -57.2 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M16 to M23 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.29 HT/VHT20 Beam Forming, M0 to M7 4 11 -59.7 -60.8 -61.3 -61.9 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.29 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.29	1.98 2.54 1.09 2.53 0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M8 to M15 3 7 -53.3 -57.8 -57.2 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M16 to M23 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.29 HT/VHT20 Beam Forming, M0 to M7 4 11 -59.7 -60.8 -61.3 -61.9 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.29 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.29	2.54 1.09 2.53 0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M16 to M23 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.25 HT/VHT20 Beam Forming, M0 to M7 4 11 -59.7 -60.8 -61.3 -61.9 0.1 -43.8 -41.25 HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.25 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.25	1.09 2.53 0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M0 to M7 4 11 -59.7 -60.8 -61.3 -61.9 0.1 -43.8 -41.29 HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.29 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.29	2.53 0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M8 to M15 4 8 -53.3 -57.8 -57.2 -57.5 0.1 -41.9 -41.2 HT/VHT20 Beam Forming, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.2	0.69 2.69 0.59 1.66
HT/VHT20 Beam Forming, M16 to M23	2.69 0.59 1.66
57	0.59 1.66
HTA/HT20 Poom Forming M24 to M24	1.66
HT/VHT20 Beam Forming, M24 to M31	
HT/VHT20 STBC, M0 to M7 2 5 -48.6 -56.6 0.1 -42.9 -41.29	
HT/VHT20 STBC, M0 to M7 3 5 -48.6 -56.6 -56.5 0.1 -42.3 -41.29	1.09
HT/VHT20 STBC, M0 to M7 4 5 -53.3 -57.8 -57.2 -57.5 0.1 -44.9 -41.29	3.69
HE20, M0 to M9 1ss 1 5 -47.0 0.1 -41.9 -41.29	0.68
HE20, M0 to M9 1ss 2 5 -47.0 -55.0 0.1 -41.3 -41.2	0.04
HE20, M0 to M9 2ss 2 5 -47.0 -55.0 0.1 -41.3 -41.2	0.04
HE20, M0 to M9 1ss 3 5 -54.9 -57.3 -57.4 0.1 -46.5 -41.29	5.28
HE20, M0 to M9 2ss 3 5 -49.9 -56.1 -56.6 0.1 -43.2 -41.2	1.96
HE20, M0 to M9 3ss 3 5 -49.9 -56.1 -56.6 0.1 -43.2 -41.29	1.96
HE20, M0 to M9 1ss 4 5 -58.6 -59.2 -59.9 -61.2 0.1 -48.5 -41.29	7.28
HE20, M0 to M9 2ss 4 5 -49.9 -56.1 -56.6 -56.5 0.1 -42.6 -41.29	1.35
HE20, M0 to M9 3ss 4 5 -49.9 -56.1 -56.6 -56.5 0.1 -42.6 -41.29	1.35
HE20, M0 to M9 4ss 4 5 -49.9 -56.1 -56.6 -56.5 0.1 -42.6 -41.29	1.35
HE20 Beam Forming, M0 to M9 1ss 2 8 -54.9 -57.3 0.1 -44.9 -41.29	3.61
HE20 Beam Forming, M0 to M9 2ss 2 5 -47.0 -55.0 0.1 -41.3 -41.2	0.04
HE20 Beam Forming, M0 to M9 1ss 3 10 -54.9 -57.3 -57.4 0.1 -41.5 -41.29	0.28
HE20 Beam Forming, M0 to M9 2ss 3 7 -54.9 -57.3 -57.4 0.1 -44.5 -41.29	3.28
HE20 Beam Forming, M0 to M9 3ss 3 5 -49.9 -56.1 -56.6 0.1 -43.2 -41.29	1.96
HE20 Beam Forming, M0 to M9 1ss 4 11 -58.6 -59.2 -59.9 -61.2 0.1 -42.5 -41.29	1.28
HE20 Beam Forming, M0 to M9 2ss 4 8 -54.9 -57.3 -57.4 -58.7 0.1 -42.8 -41.29	1.51
HE20 Beam Forming, M0 to M9 3ss 4 6 -49.9 -56.1 -56.6 -56.5 0.1 -41.6 -41.29	0.35
HE20 Beam Forming, M0 to M9 4ss 4 5 -49.9 -56.1 -56.6 -56.5 0.1 -42.6 -41.29	1.35
HE20 STBC, M0 to M9 2ss 2 5 -47.0 -55.0 0.1 -41.3 -41.2	0.04
HE20 STBC, M0 to M9 2ss 3 5 -49.9 -56.1 -56.6 0.1 -43.2 -41.29	1.96
HE20 STBC, M0 to M9 2ss 4 5 -49.9 -56.1 -56.6 -56.5 0.1 -42.6 -41.29	1.35
Non HT160, 6 to 54 Mbps 1 5 -46.8 0.1 -41.7 -41.29	0.50
Non HT160, 6 to 54 Mbps 2 5 -50.6 -55.0 0.1 -44.2 -41.29	2.95
Non HT160, 6 to 54 Mbps 3 5 -50.6 -55.0 -54.4 0.1 -43.0 -41.25 Non HT160, 6 to 54 Mbps 4 5 -50.6 -55.0 -54.4 -55.1 0.1 -42.3 -41.25	1.80
Non HT160, 6 to 54 Mbps 4 5 -50.6 -55.0 -54.4 -55.1 0.1 -42.3 -41.29	1.01
VHT160, M0 to M9 1ss 1 5 -46.9 0.1 -41.8 -41.29	0.60
VHT160, M0 to M9 1ss 2 5 -50.5 -54.5 0.1 -44.0 -41.2	2.74

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L	VHT160, M0 to M9 2ss	2	5	-50.5	-54.5			0.1	-44.0	-41.25	2.74
L	VHT160, M0 to M9 1ss	3	5	-50.5	-54.5	-55.2		0.1	-43.0	-41.25	1.80
	VHT160, M0 to M9 2ss	3	5	-50.5	-54.5	-55.2		0.1	-43.0	-41.25	1.80
L	VHT160, M0 to M9 3ss	3	5	-50.5	-54.5	-55.2		0.1	-43.0	-41.25	1.80
L	VHT160, M0 to M9 1ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
L	VHT160, M0 to M9 2ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
	VHT160, M0 to M9 3ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
L	VHT160, M0 to M9 4ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
	VHT160 Beam Forming, M0 to M9 1ss	2	8	-54.5	-57.0			0.1	-44.5	-41.25	3.26
	VHT160 Beam Forming, M0 to M9 2ss	2	5	-50.5	-54.5			0.1	-44.0	-41.25	2.74
	VHT160 Beam Forming, M0 to M9 1ss	3	10	-56.4	-60.6	-60.6		0.1	-43.9	-41.25	2.64
	VHT160 Beam Forming, M0 to M9 2ss	3	7	-54.5	-57.0	-57.3		0.1	-44.3	-41.25	3.00
	VHT160 Beam Forming, M0 to M9 3ss	3	5	-50.5	-54.5	-55.2		0.1	-43.0	-41.25	1.80
	VHT160 Beam Forming, M0 to M9 1ss	4	11	-56.4	-60.6	-60.6	-59.7	0.1	-41.9	-41.25	0.62
	VHT160 Beam Forming, M0 to M9 2ss	4	8	-54.5	-57.0	-57.3	-56.5	0.1	-42.1	-41.25	0.85
	VHT160 Beam Forming, M0 to M9 3ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
	VHT160 Beam Forming, M0 to M9 4ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
	VHT160 STBC, M0 to M9 1ss	2	5	-50.5	-54.5			0.1	-44.0	-41.25	2.74
	VHT160 STBC, M0 to M9 1ss	3	5	-50.5	-54.5	-55.2		0.1	-43.0	-41.25	1.80
	VHT160 STBC, M0 to M9 1ss	4	5	-50.5	-54.5	-55.2	-54.1	0.1	-42.1	-41.25	0.82
	HE160, M0 to M9 1ss	1	5	-48.1				0.1	-43.0	-41.25	1.78
	HE160, M0 to M9 1ss	2	5	-48.1	-54.2			0.1	-42.1	-41.25	0.83
	HE160, M0 to M9 2ss	2	5	-48.1	-54.2			0.1	-42.1	-41.25	0.83
	HE160, M0 to M9 1ss	3	5	-48.1	-54.2	-54.4		0.1	-41.3	-41.25	0.08
	HE160, M0 to M9 2ss	3	5	-48.1	-54.2	-54.4		0.1	-41.3	-41.25	0.08
	HE160, M0 to M9 3ss	3	5	-48.1	-54.2	-54.4		0.1	-41.3	-41.25	0.08
	HE160, M0 to M9 1ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66
	HE160, M0 to M9 2ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66
	HE160, M0 to M9 3ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66
	HE160, M0 to M9 4ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66
	HE160 Beam Forming, M0 to M9 1ss	2	8	-50.7	-56.2			0.1	-41.6	-41.25	0.30
L	HE160 Beam Forming, M0 to M9 2ss	2	5	-48.1	-54.2			0.1	-42.1	-41.25	0.83
	HE160 Beam Forming, M0 to M9 1ss	3	10	-56.3	-59.1	-58.7		0.1	-43.0	-41.25	1.76
	HE160 Beam Forming, M0 to M9 2ss	3	7	-50.7	-56.2	-56.1		0.1	-41.7	-41.25	0.42
L	HE160 Beam Forming, M0 to M9 3ss	3	5	-48.1	-54.2	-54.4		0.1	-41.3	-41.25	0.08
	HE160 Beam Forming, M0 to M9 1ss	4	11	-57.9	-60.1	-60.3	-61.3	0.1	-42.6	-41.25	1.37
	HE160 Beam Forming, M0 to M9 2ss	4	8	-53.3	-57.8	-57.4	-58.0	0.1	-42.0	-41.25	0.80
	HE160 Beam Forming, M0 to M9 3ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66
	HE160 Beam Forming, M0 to M9 4ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66
	HE160 STBC, M0 to M9 1ss	2	5	-48.1	-54.2			0.1	-42.1	-41.25	0.83
	HE160 STBC, M0 to M9 1ss	3	5	-48.1	-54.2	-54.4		0.1	-41.3	-41.25	0.08
	HE160 STBC, M0 to M9 1ss	4	5	-50.7	-56.2	-56.1	-55.9	0.1	-42.9	-41.25	1.66

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Conducted Bandedge Average, 5290 MHz, VHT80 Beam Forming, M0 to M9 3ss





Antenna A

Antenna B





Antenna C A



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	Non HT80, 6 to 54 Mbps	1	5	-32.7				-27.6	-21.25	6.40
	Non HT80, 6 to 54 Mbps	2	5	-32.7	-39.8			-26.9	-21.25	5.63
	Non HT80, 6 to 54 Mbps	3	5	-32.7	-39.8	-38.3		-26.0	-21.25	4.72
	Non HT80, 6 to 54 Mbps	4	5	-32.7	-39.8	-38.3	-35.9	-24.8	-21.25	3.50
	VHT80, M0 to M9 1ss	1	5	-30.6				-25.4	-21.25	4.13
	VHT80, M0 to M9 1ss	2	5	-30.6	-39.3			-24.8	-21.25	3.58
	VHT80, M0 to M9 2ss	2	5	-30.6	-39.3			-24.8	-21.25	3.58
	VHT80, M0 to M9 1ss	3	5	-33.9	-44.0	-39.8		-27.4	-21.25	6.12
	VHT80, M0 to M9 2ss	3	5	-33.9	-44.0	-39.8		-27.4	-21.25	6.12
	VHT80, M0 to M9 3ss	3	5	-33.9	-44.0	-39.8		-27.4	-21.25	6.12
	VHT80, M0 to M9 1ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
	VHT80, M0 to M9 2ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
	VHT80, M0 to M9 3ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
	VHT80, M0 to M9 4ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
5290	VHT80 Beam Forming, M0 to M9 1ss	2	8	-36.8	-47.1			-28.2	-21.25	6.95
52	VHT80 Beam Forming, M0 to M9 2ss	2	5	-30.6	-39.3			-24.8	-21.25	3.58
	VHT80 Beam Forming, M0 to M9 1ss	3	10	-41.4	-48.1	-47.0		-29.5	-21.25	8.20
	VHT80 Beam Forming, M0 to M9 2ss	3	7	-36.8	-47.1	-45.0		-28.6	-21.25	7.38
	VHT80 Beam Forming, M0 to M9 3ss	3	5	-33.9	-44.0	-39.8		-27.4	-21.25	6.12
	VHT80 Beam Forming, M0 to M9 1ss	4	11	-45.5	-48.2	-48.0	-47.1	-29.8	-21.25	8.58
	VHT80 Beam Forming, M0 to M9 2ss	4	8	-36.8	-47.1	-45.0	-43.0	-26.9	-21.25	5.62
	VHT80 Beam Forming, M0 to M9 3ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
	VHT80 Beam Forming, M0 to M9 4ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
	VHT80 STBC, M0 to M9 1ss	2	5	-30.6	-39.3			-24.8	-21.25	3.58
	VHT80 STBC, M0 to M9 1ss	3	5	-33.9	-44.0	-39.8		-27.4	-21.25	6.12
	VHT80 STBC, M0 to M9 1ss	4	5	-33.9	-44.0	-39.8	-40.2	-26.7	-21.25	5.42
	HE80, M0 to M9 1ss	1	5	-31.6				-26.3	-21.25	5.10
	HE80, M0 to M9 1ss	2	5	-37.2	-44.8			-31.3	-21.25	10.00
	HE80, M0 to M9 2ss	2	5	-37.2	-44.8			-31.3	-21.25	10.00
	HE80, M0 to M9 1ss	3	5	-37.2	-44.8	-41.3		-30.0	-21.25	8.76

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HE80, M0 to M9 2ss											
HE80, M0 to M9 1ss		HE80, M0 to M9 2ss	3	5	-37.2	-44.8	-41.3		-30.0	-21.25	8.76
HE80, M0 to M9 2ss		HE80, M0 to M9 3ss	3	5	-37.2	-44.8	-41.3		-30.0	-21.25	8.76
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
HE80, M0 to M9 4ss		HE80, M0 to M9 2ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
HE80 Beam Forming, M0 to M9 1ss		HE80, M0 to M9 3ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
HE80 Beam Forming, M0 to M9 2ss		HE80, M0 to M9 4ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 1ss	2	8	-37.2	-44.8			-28.3	-21.25	7.00
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 2ss	2	5	-37.2	-44.8			-31.3	-21.25	10.00
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	3	10	-45.3	-47.4	-45.3		-30.9	-21.25	9.62
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 2ss	3	7	-41.6	-46.7	-44.0		-31.6	-21.25	10.35
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 3ss	3	5	-37.2	-44.8	-41.3		-30.0	-21.25	8.76
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	4	11	-47.4	-49.0	-47.4	-48.5	-30.7	-21.25	9.50
HE80 Beam Forming, M0 to M9 4ss		HE80 Beam Forming, M0 to M9 2ss	4	8	-45.3	-47.4	-45.3	-45.7	-31.6	-21.25	10.32
HE80 STBC, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 3ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
HE80 STBC, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 4ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	2	5	-37.2	-44.8			-31.3	-21.25	10.00
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	3	5	-37.2	-44.8	-41.3		-30.0	-21.25	8.76
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	4	5	-37.2	-44.8	-41.3	-40.7	-28.9	-21.25	7.67
Non HT40, 6 to 54 Mbps											
Non HT40, 6 to 54 Mbps Non HT40, 6 to 54 Mbps HT/NHT40, M0 to M7 Non HT40, M0 to M7 Non HT70, M0 to M1 Non HT70, M0 to M1		Non HT40, 6 to 54 Mbps	1	5	-31.8				-26.7	-21.25	5.50
Non HT40, 6 to 54 Mbps		Non HT40, 6 to 54 Mbps	2	5	-31.8	-37.0			-25.6	-21.25	4.35
HT/VHT40, M0 to M7		Non HT40, 6 to 54 Mbps	3	5	-31.8	-37.0	-41.4		-25.3	-21.25	4.00
HT/VHT40, M0 to M7		Non HT40, 6 to 54 Mbps	4	5	-34.8	-43.2	-42.4	-43.2	-28.1	-21.25	6.85
HT/VHT40, M8 to M15 2 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40, M8 to M15 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40, M8 to M15 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40, M16 to M23 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40, M16 to M23 3 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.93 HT/VHT40, M8 to M15 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40, M16 to M23 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40, M24 to M31 4 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40 Beam Forming, M0 to M7 2 8 -37.5 -48.3 -29.1 -21.25 7.85 HT/VHT40 Beam Forming, M8 to M15 2 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40 Beam Forming, M8 to M15 3 7 -37.5 -48.3 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40 Beam Forming, M8 to M15 3 7 -37.5 -48.3 -45.3 -29.5 -21.25 5.93 HT/VHT40 Beam Forming, M16 to M23 3 5 -33.1 -42.0 -43.4 -39.8 -26.5 -21.25 5.23 HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40, M0 to M7	1	5	-33.1				-28.0	-21.25	6.80
HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Fo		HT/VHT40, M0 to M7	2	5	-33.1	-42.0			-27.5	-21.25	6.27
HT/VHT40, M8 to M15		HT/VHT40, M8 to M15	2	5	-33.1	-42.0			-27.5	-21.25	6.27
HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT4		HT/VHT40, M0 to M7	3	5	-33.1	-42.0	-43.4		-27.2	-21.25	5.93
HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam		HT/VHT40, M8 to M15	3	5	-33.1	-42.0	-43.4		-27.2	-21.25	5.93
HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam For		HT/VHT40, M16 to M23	3	5	-33.1	-42.0	-43.4		-27.2	-21.25	5.93
HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Bea		HT/VHT40, M0 to M7	4	5	-33.1	-42.0	-43.4	-39.8	-26.5	-21.25	5.23
HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to		HT/VHT40, M8 to M15	4	5	-33.1	-42.0	-43.4	-39.8	-26.5	-21.25	5.23
HT/VHT40 Beam Forming, M0 to M7 2 8 -37.5 -48.3 -29.1 -21.25 7.85 HT/VHT40 Beam Forming, M8 to M15 2 5 -33.1 -42.0 -27.5 -21.25 6.27 HT/VHT40 Beam Forming, M0 to M7 3 10 -42.6 -46.2 -46.8 -30.0 -21.25 8.70 HT/VHT40 Beam Forming, M8 to M15 3 7 -37.5 -48.3 -45.3 -29.5 -21.25 8.23 HT/VHT40 Beam Forming, M16 to M23 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12	Ω	HT/VHT40, M16 to M23	4	5	-33.1	-42.0	-43.4	-39.8	-26.5	-21.25	5.23
HT/VHT40 Beam Forming, M8 to M15 2 5 -33.1 -42.0 -27.5 -21.25 6.27 HT/VHT40 Beam Forming, M0 to M7 3 10 -42.6 -46.2 -46.8 -30.0 -21.25 8.70 HT/VHT40 Beam Forming, M8 to M15 3 7 -37.5 -48.3 -45.3 -29.5 -21.25 8.23 HT/VHT40 Beam Forming, M16 to M23 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40, M24 to M31	4	5	-33.1	-42.0	-43.4	-39.8	-26.5	-21.25	5.23
HT/VHT40 Beam Forming, M0 to M7 3 10 -42.6 -46.2 -46.8 -30.0 -21.25 8.70 HT/VHT40 Beam Forming, M8 to M15 3 7 -37.5 -48.3 -45.3 -29.5 -21.25 8.23 HT/VHT40 Beam Forming, M16 to M23 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40 Beam Forming, M0 to M7	2	8	-37.5	-48.3			-29.1	-21.25	7.85
HT/VHT40 Beam Forming, M8 to M15 3 7 -37.5 -48.3 -45.3 -29.5 -21.25 8.23 HT/VHT40 Beam Forming, M16 to M23 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40 Beam Forming, M8 to M15	2	5	-33.1	-42.0			-27.5	-21.25	6.27
HT/VHT40 Beam Forming, M16 to M23 3 5 -33.1 -42.0 -43.4 -27.2 -21.25 5.93 HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40 Beam Forming, M0 to M7	3	10	-42.6	-46.2	-46.8		-30.0	-21.25	8.70
HT/VHT40 Beam Forming, M0 to M7 4 11 -44.3 -49.7 -47.5 -49.1 -30.0 -21.25 8.78 HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40 Beam Forming, M8 to M15	3	7	-37.5	-48.3	-45.3		-29.5	-21.25	8.23
HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40 Beam Forming, M16 to M23	3	5	-33.1	-42.0	-43.4		-27.2	-21.25	5.93
HT/VHT40 Beam Forming, M8 to M15 4 8 -42.6 -46.2 -46.8 -48.0 -31.3 -21.25 10.06 HT/VHT40 Beam Forming, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12		HT/VHT40 Beam Forming, M0 to M7	4	11	-44.3	-49.7	-47.5	-49.1	-30.0	-21.25	8.78
			4	8	-42.6	-46.2	-46.8	-48.0	-31.3	-21.25	10.06
HT/VHT40 Beam Forming, M24 to M31		HT/VHT40 Beam Forming, M16 to M23	4	6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12
		HT/VHT40 Beam Forming, M24 to M31	4	5	-33.1	-42.0	-43.4	-39.8	-26.5	-21.25	5.23

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H ⁻	T/VHT40 STBC, M0 to M7 T/VHT40 STBC, M0 to M7	2	5	-33.1	-42.0			-27.5	-21.25	6.27
H	TA/HT40 STRC M0 to M7								21.20	0.27
	17 VI II 40 OI DO, IVIO 10 IVI7	3	5	-33.1	-42.0	-43.4		-27.2	-21.25	5.93
	T/VHT40 STBC, M0 to M7	4	5	-33.1	-42.0	-43.4	-39.8	-26.5	-21.25	5.23
H	E40, M0 to M9 1ss	1	5	-29.1				-24.0	-21.25	2.78
HE	E40, M0 to M9 1ss	2	5	-32.3	-39.9			-26.5	-21.25	5.29
H	E40, M0 to M9 2ss	2	5	-32.3	-39.9			-26.5	-21.25	5.29
HE	E40, M0 to M9 1ss	3	5	-32.3	-39.9	-44.7		-26.3	-21.25	5.08
H	E40, M0 to M9 2ss	3	5	-32.3	-39.9	-44.7		-26.3	-21.25	5.08
HE	E40, M0 to M9 3ss	3	5	-32.3	-39.9	-44.7		-26.3	-21.25	5.08
HE	E40, M0 to M9 1ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
H	E40, M0 to M9 2ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
HE	E40, M0 to M9 3ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
HE	E40, M0 to M9 4ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
H	E40 Beam Forming, M0 to M9 1ss	2	8	-32.3	-39.9			-23.5	-21.25	2.29
HE	E40 Beam Forming, M0 to M9 2ss	2	5	-32.3	-39.9			-26.5	-21.25	5.29
H	E40 Beam Forming, M0 to M9 1ss	3	10	-39.8	-48.3	-45.8		-28.3	-21.25	7.04
H	E40 Beam Forming, M0 to M9 2ss	3	7	-32.3	-39.9	-44.7		-24.3	-21.25	3.08
H	E40 Beam Forming, M0 to M9 3ss	3	5	-32.3	-39.9	-44.7		-26.3	-21.25	5.08
H	E40 Beam Forming, M0 to M9 1ss	4	11	-49.0	-49.0	-50.0	-52.5	-32.8	-21.25	11.58
HF	E40 Beam Forming, M0 to M9 2ss	4	8	-34.6	-45.4	-48.4	-45.6	-25.7	-21.25	4.47
H	E40 Beam Forming, M0 to M9 3ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
H	E40 Beam Forming, M0 to M9 4ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
H	E40 STBC, M0 to M9 2ss	2	5	-32.3	-39.9			-26.5	-21.25	5.29
HE	E40 STBC, M0 to M9 2ss	3	5	-32.3	-39.9	-44.7		-26.3	-21.25	5.08
H	E40 STBC, M0 to M9 2ss	4	5	-32.3	-39.9	-44.7	-41.7	-25.9	-21.25	4.69
_	-		_	_		_				
No	on HT20, 6 to 54 Mbps	1	5	-33.3				-28.2	-21.25	7.00
No	on HT20, 6 to 54 Mbps	2	5	-33.3	-38.9			-27.2	-21.25	5.94
No	on HT20, 6 to 54 Mbps	3	5	-42.5	-46.0	-46.7		-34.8	-21.25	13.58
No	on HT20, 6 to 54 Mbps	4	5	-47.5	-49.4	-48.2	-49.3	-37.5	-21.25	16.21
No	on HT20 Beam Forming, 6 to 54 Mbps	2	8	-37.9	-43.7			-28.8	-21.25	7.59
No	on HT20 Beam Forming, 6 to 54 Mbps	3	10	-42.5	-46.0	-46.7		-29.8	-21.25	8.58
No	on HT20 Beam Forming, 6 to 54 Mbps	4	11	-47.5	-49.4	-48.2	-49.3	-31.5	-21.25	10.21
8 H	T/VHT20, M0 to M7	1	5	-28.4				-23.3	-21.25	2.10
5320 <u> </u>	T/VHT20, M0 to M7	2	5	-32.1	-42.9			-26.7	-21.25	5.45
H	T/VHT20, M8 to M15	2	5	-32.1	-42.9			-26.7	-21.25	5.45
H	T/VHT20, M0 to M7	3	5	-40.3	-47.2	-46.1		-33.6	-21.25	12.33
H	T/VHT20, M8 to M15	3	5	-32.1	-42.9	-41.8		-26.3	-21.25	5.04
H	T/VHT20, M16 to M23	3	5	-32.1	-42.9	-41.8		-26.3	-21.25	5.04
H	T/VHT20, M0 to M7	4	5	-49.1	-49.1	-48.6	-50.2	-38.1	-21.25	16.89
H	T/VHT20, M8 to M15	4	5	-35.8	-45.0	-45.2	-46.5	-29.5	-21.25	8.29
H	T/VHT20, M16 to M23	4	5	-32.1	-42.9	-41.8	-43.0	-26.0	-21.25	4.75

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	HT/VHT20, M24 to M31	4	5	-32.1	-42.9	-41.8	-43.0	-26.0	-21.25	4.75
	HT/VHT20 Beam Forming, M0 to M7	2	8	-35.8	-45.0			-27.3	-21.25	6.00
	HT/VHT20 Beam Forming, M8 to M15	2	5	-32.1	-42.9			-26.7	-21.25	5.45
	HT/VHT20 Beam Forming, M0 to M7	3	10	-40.3	-47.2	-46.1		-28.6	-21.25	7.33
	HT/VHT20 Beam Forming, M8 to M15	3	7	-35.8	-45.0	-45.2		-27.8	-21.25	6.58
	HT/VHT20 Beam Forming, M16 to M23	3	5	-32.1	-42.9	-41.8		-26.3	-21.25	5.04
	HT/VHT20 Beam Forming, M0 to M7	4	11	-49.1	-49.1	-48.6	-50.2	-32.1	-21.25	10.89
	HT/VHT20 Beam Forming, M8 to M15	4	8	-35.8	-45.0	-45.2	-46.5	-26.5	-21.25	5.29
	HT/VHT20 Beam Forming, M16 to M23	4	6	-35.8	-45.0	-45.2	-46.5	-28.5	-21.25	7.29
	HT/VHT20 Beam Forming, M24 to M31	4	5	-32.1	-42.9	-41.8	-43.0	-26.0	-21.25	4.75
	HT/VHT20 STBC, M0 to M7	2	5	-32.1	-42.9			-26.7	-21.25	5.45
	HT/VHT20 STBC, M0 to M7	3	5	-32.1	-42.9	-41.8		-26.3	-21.25	5.04
	HT/VHT20 STBC, M0 to M7	4	5	-35.8	-45.0	-45.2	-46.5	-29.5	-21.25	8.29
	HE20, M0 to M9 1ss	1	5	-31.8				-26.7	-21.25	5.48
	HE20, M0 to M9 1ss	2	5	-31.8	-36.8			-25.5	-21.25	4.29
	HE20, M0 to M9 2ss	2	5	-31.8	-36.8			-25.5	-21.25	4.29
	HE20, M0 to M9 1ss	3	5	-35.9	-45.9	-45.9		-30.0	-21.25	8.79
	HE20, M0 to M9 2ss	3	5	-34.4	-43.1	-44.7		-28.4	-21.25	7.19
	HE20, M0 to M9 3ss	3	5	-34.4	-43.1	-44.7		-28.4	-21.25	7.19
	HE20, M0 to M9 1ss	4	5	-44.4	-47.2	-48.7	-48.8	-35.8	-21.25	14.54
	HE20, M0 to M9 2ss	4	5	-34.4	-43.1	-44.7	-43.8	-28.1	-21.25	6.80
	HE20, M0 to M9 3ss	4	5	-34.4	-43.1	-44.7	-43.8	-28.1	-21.25	6.80
	HE20, M0 to M9 4ss	4	5	-34.4	-43.1	-44.7	-43.8	-28.1	-21.25	6.80
	HE20 Beam Forming, M0 to M9 1ss	2	8	-35.9	-45.9			-27.4	-21.25	6.17
	HE20 Beam Forming, M0 to M9 2ss	2	5	-31.8	-36.8			-25.5	-21.25	4.29
	HE20 Beam Forming, M0 to M9 1ss	3	10	-35.9	-45.9	-45.9		-25.0	-21.25	3.79
	HE20 Beam Forming, M0 to M9 2ss	3	7	-35.9	-45.9	-45.9		-28.0	-21.25	6.79
	HE20 Beam Forming, M0 to M9 3ss	3	5	-34.4	-43.1	-44.7		-28.4	-21.25	7.19
	HE20 Beam Forming, M0 to M9 1ss	4	11	-44.4	-47.2	-48.7	-48.8	-29.8	-21.25	8.54
	HE20 Beam Forming, M0 to M9 2ss	4	8	-35.9	-45.9	-45.9	-47.7	-26.8	-21.25	5.56
	HE20 Beam Forming, M0 to M9 3ss	4	6	-34.4	-43.1	-44.7	-43.8	-27.1	-21.25	5.80
	HE20 Beam Forming, M0 to M9 4ss	4	5	-34.4	-43.1	-44.7	-43.8	-28.1	-21.25	6.80
	HE20 STBC, M0 to M9 2ss	2	5	-31.8	-36.8			-25.5	-21.25	4.29
	HE20 STBC, M0 to M9 2ss	3	5	-34.4	-43.1	-44.7		-28.4	-21.25	7.19
	HE20 STBC, M0 to M9 2ss	4	5	-34.4	-43.1	-44.7	-43.8	-28.1	-21.25	6.80
	Non HT160, 6 to 54 Mbps	1	5	-31.9				-26.8	-21.25	5.60
	Non HT160, 6 to 54 Mbps	2	5	-34.8	-42.3			-29.0	-21.25	7.79
20	Non HT160, 6 to 54 Mbps	3	5	-34.8	-42.3	-40.1		-28.1	-21.25	6.82
5250	Non HT160, 6 to 54 Mbps	4	5	-34.8	-42.3	-40.1	-40.5	-27.3	-21.25	6.09
	VHT160, M0 to M9 1ss	1	5	-27.1				-22.0	-21.25	0.80
	VHT160, M0 to M9 1ss	2	5	-30.1	-35.8			-24.0	-21.25	2.76

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VHT160, M0 to M9 2ss	2	5	-30.1	-35.8			-24.0	-21.25	2.76
VHT160, M0 to M9 1ss	3	5	-30.1	-35.8	-34.9		-23.0	-21.25	1.75
VHT160, M0 to M9 2ss	3	5	-30.1	-35.8	-34.9		-23.0	-21.25	1.75
VHT160, M0 to M9 3ss	3	5	-30.1	-35.8	-34.9		-23.0	-21.25	1.75
VHT160, M0 to M9 1ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
VHT160, M0 to M9 2ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
VHT160, M0 to M9 3ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
VHT160, M0 to M9 4ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
VHT160 Beam Forming, M0 to M9 1ss	2	8	-32.9	-37.4			-23.5	-21.25	2.28
VHT160 Beam Forming, M0 to M9 2ss	2	5	-30.1	-35.8			-24.0	-21.25	2.76
VHT160 Beam Forming, M0 to M9 1ss	3	10	-36.7	-38.8	-39.1		-23.2	-21.25	1.99
VHT160 Beam Forming, M0 to M9 2ss	3	7	-32.9	-37.4	-37.0		-23.4	-21.25	2.18
VHT160 Beam Forming, M0 to M9 3ss	3	5	-30.1	-35.8	-34.9		-23.0	-21.25	1.75
VHT160 Beam Forming, M0 to M9 1ss	4	11	-36.7	-38.8	-39.1	-39.8	-21.4	-21.25	0.11
VHT160 Beam Forming, M0 to M9 2ss	4	8	-32.9	-37.4	-37.0	-36.7	-21.5	-21.25	0.25
VHT160 Beam Forming, M0 to M9 3ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
VHT160 Beam Forming, M0 to M9 4ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
VHT160 STBC, M0 to M9 1ss	2	5	-30.1	-35.8			-24.0	-21.25	2.76
VHT160 STBC, M0 to M9 1ss	3	5	-30.1	-35.8	-34.9		-23.0	-21.25	1.75
VHT160 STBC, M0 to M9 1ss	4	5	-30.1	-35.8	-34.9	-34.3	-22.1	-21.25	0.83
HE160, M0 to M9 1ss	1	5	-32.2				-27.1	-21.25	5.88
HE160, M0 to M9 1ss	2	5	-32.2	-39.4			-26.4	-21.25	5.12
HE160, M0 to M9 2ss	2	5	-32.2	-39.4			-26.4	-21.25	5.12
HE160, M0 to M9 1ss	3	5	-32.2	-39.4	-38.7		-25.6	-21.25	4.38
HE160, M0 to M9 2ss	3	5	-32.2	-39.4	-38.7		-25.6	-21.25	4.38
HE160, M0 to M9 3ss	3	5	-32.2	-39.4	-38.7		-25.6	-21.25	4.38
HE160, M0 to M9 1ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88
HE160, M0 to M9 2ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88
HE160, M0 to M9 3ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88
HE160, M0 to M9 4ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88
HE160 Beam Forming, M0 to M9 1ss	2	8	-36.0	-42.3			-27.0	-21.25	5.77
HE160 Beam Forming, M0 to M9 2ss	2	5	-32.2	-39.4			-26.4	-21.25	5.12
HE160 Beam Forming, M0 to M9 1ss	3	10	-43.3	-46.0	-46.1		-30.1	-21.25	8.84
HE160 Beam Forming, M0 to M9 2ss	3	7	-36.0	-42.3	-41.6		-27.1	-21.25	5.89
HE160 Beam Forming, M0 to M9 3ss	3	5	-32.2	-39.4	-38.7		-25.6	-21.25	4.38
HE160 Beam Forming, M0 to M9 1ss	4	11	-44.2	-46.2	-46.8	-48.1	-29.0	-21.25	7.75
HE160 Beam Forming, M0 to M9 2ss	4	8	-40.0	-44.0	-43.2	-41.9	-27.9	-21.25	6.66
HE160 Beam Forming, M0 to M9 3ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88
HE160 Beam Forming, M0 to M9 4ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88
HE160 STBC, M0 to M9 1ss	2	5	-32.2	-39.4			-26.4	-21.25	5.12
HE160 STBC, M0 to M9 1ss	3	5	-32.2	-39.4	-38.7		-25.6	-21.25	4.38
HE160 STBC, M0 to M9 1ss	4	5	-36.0	-42.3	-41.6	-40.0	-28.1	-21.25	6.88

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Conducted Bandedge Peak, 5250 MHz, VHT160 Beam Forming, M0 to M9 1ss





Antenna A

Antenna B





Antenna C Antenna D



Appendix B: Radiated & AC Conducted Emissions Test Results Testing done by outsite laboratory.

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Appendix C: List of Test Equipment Used to perform the test

	Tes	st Equipment used for Radiated Emission	ons		
Equip#	Manufacturer/ Model	Description	Last Cal	Next Cal	Test Item
57476	Cisco	Automation Test Insertion Loss	NA	NA	A1-A7
50721	Keysight N9030A-550	PXA Signal Analyzer, 3Hz to 50GHz	15 Mar 2019	15 Mar 2020	A1-A7
55094	NI PXI-1042	CHASSIS, PXI	NA	NA	A1-A7
57237	NI PXI-8115	Embedded Controller	NA	NA	A1-A7
54686	NI PXI-2796	40 GHz Dual 6x1 Multiplexer (SP6T)	NA	NA	A1-A7
57245	NI PXI-2799	Switch 1x1	NA	NA	A1-A7
56091	NI PXI-2796	40 GHz Dual 6x1 Multiplexer (SP6T)	NA	NA	A1-A7
7329	Omega CT485B	Chart recorder	18 Feb 2019	18 Feb 2020	A1-A7
56328	Pasternack PE5019-1	Torque wrench	14 Feb 2019	14 Feb 2020	A1-A7
56329	Pasternack PE5019-1	Torque wrench	28 Feb 2019	28 Feb 2020	A1-A7
56330	Pasternack PE5019-1	Torque wrench	28 Feb 2019	28 Feb 2020	A1-A7
				T	

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Appendix D: Abbreviation Key and Definitions

The following table defines abbreviations used within this test report.

Abbreviation	Description	Abbreviation	Description
EMC	Electro Magnetic Compatibility	°F	Degrees Fahrenheit
EMI	Electro Magnetic Interference	°C	Degrees Celsius
EUT	Equipment Under Test	Temp	Temperature
ITE	Information Technology Equipment	S/N	Serial Number
TAP	Test Assessment Schedule	Qty	Quantity
ESD	Electro Static Discharge	emf	Electromotive force
EFT	Electric Fast Transient	RMS	Root mean square
EDCS	Engineering Document Control System	Qp	Quasi Peak
Config	Configuration	Av	Average
CIS#	Cisco Number (unique identification number for Cisco test equipment)	Pk	Peak
Cal	Calibration	kHz	Kilohertz (1x10 ³)
EN	European Norm	MHz	MegaHertz (1x10 ⁶)
IEC	International Electro technical Commission	GHz	Gigahertz (1x10 ⁹)
CISPR	International Special Committee on Radio Interference	Н	Horizontal
CDN	Coupling/Decoupling Network	V	Vertical
LISN	Line Impedance Stabilization Network	dB	decibel
PE	Protective Earth	V	Volt
GND	Ground	kV	Kilovolt (1x10 ³)
L1	Line 1	μV	Microvolt (1x10 ⁻⁶)
L2	Line2	A	Amp
L3	Line 3	μА	Micro Amp (1x10 ⁻⁶)
DC	Direct Current	mS	Milli Second (1x10 ⁻³)
RAW	Uncorrected measurement value, as indicated by the measuring device	μS	Micro Second (1x10 ⁻⁶)
RF	Radio Frequency	μS	Micro Second (1x10 ⁻⁶)
SLCE	Signal Line Conducted Emissions	m	Meter
Meas dist	Measurement distance	Spec dist	Specification distance
N/A or NA	Not Applicable	SL	Signal Line (or Telecom Line)
Р	Power Line	L	Live Line
N	Neutral Line	R	Return
S	Supply	AC	Alternating Current

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Appendix E: Photographs of Test Setups

Please refer to the attachment



Appendix F: Software Used to Perform Testing

Cisco Internal LabView Radio Test Automation Software rev57

Appendix G: Test Procedures

Measurements were made in accordance with

- KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- KDB 662911 MIMO
- ANSI C63.4 2014 Unintentional Radiators
- ANSI C63.10 2013 Intentional Radiators

Test procedures are summarized below:

FCC 5GHz Test Procedures	EDCS # 1445048
FCC 5GHz RSE Test Procedures	EDCS # 1511600

Appendix H: Scope of Accreditation (A2LA certificate number 1178-01)

The scope of accreditation of Cisco Systems, Inc. can be found on the A2LA web page at:

http://www.a2la.org/scopepdf/1178-01.pdf

Appendix I: Test Assessment Plan

Target Power Tables EDCS# 18087112

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Appendix J: UUT Software Info

APA453.0E7B.CD60#
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Cisco AP Software, (ap1g7), [cheetah-build6:/san2/BUILD/workspace/Nightly-Cheetah-axel-bcm-mfg-c8_10_throttle] Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2019 by Cisco Systems, Inc. Compiled Wed Aug 21 08:08:55 PDT 2019

ROM: Bootstrap program is U-Boot boot loader BOOTLDR: U-Boot boot loader Version

APA453.0E7B.CD60 uptime is 0 days, 0 hours, 4 minutes Last reload time : Wed Aug 21 08:11:07 UTC 2019

Last reload reason : unknown

cisco C9120AXE-B with 1813676/1039368K bytes of memory.

Processor board ID 0

AP Running Image : 8.8.1.10
Primary Boot Image : 8.8.1.10
Backup Boot Image : 0.0.0.0
Primary Boot Image Hash:
Backup Boot Image Hash:
1 Gigabit Ethernet interfaces

2 802.11 Radios

Radio Driver version: 17.10 RC77.13

Radio FW version: 1268.14948.r14702 14702

NSS FW version: NA

Base ethernet MAC Address : A4:53:0E:7B:CD:60

Part Number : 0-000000-00

PCA Assembly Number : 800-105708-01

PCA Revision Number : 09

PCB Serial Number : FOC23302F06 Top Assembly Part Number : 800-105708-01

Top Assembly Serial Number : 0
Top Revision Number : 09

Product/Model Number : C9120AXE-B

APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60#devs

EXITING CISCO SHELL. PLEASE EXECUTE EXIT IN DEVSHELL TO GET BACK TO CISCO SHELL.

BusyBox v1.29.3 () built-in shell (ash)

Welcome to Cisco.

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```
Usage of this device is governed by Cisco's End User License Agreement,
available at:
http://www.cisco.com/c/en/us/td/docs/general/warranty/English/EU1KEN_.html.
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cat MERAKI_BUILD.extra
Wed Aug 21 08:08:55 PDT 2019
cheetah-build6
/san2/BUILD/workspace/Nightly-Cheetah-axel-bcm-mfg-c8_10_throttle
* (HEAD detached at 0b10909464)
svn base: 0b109094643143e6e3f14a2245747dc261b56619
commit: 0b109094643143e6e3f14a2245747dc261b56619
tree e30cd20c3ac842da790e18e92fa6ccadb2437fc6
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# show_cookie
Part Number
                         : 0-000000-00
Board Revision
                          : 00
PCB Serial Number
                            : FOC23302F06
PCB Fab Part Number
                              : 0-000000-00
Deviation Number
                           : 0
MAC Address
                          : A4:53:0E:7B:CD:60
MAC Address Block Size
                              : 4
Radio 0 MAC Address
                             : D4:AD:BD:A2:1B:00
Radio 0 MAC Address Block Size : 16
Radio 1 MAC Address
                            : D4:AD:BD:A2:1B:10
Radio 1 MAC Address Block Size
                                 : 16
PCA Assembly Number
                              : 800-105708-01
PCA Revision Number
                             : 09
Product/Model Number
                             : C9120AXE-B
Top Assembly Part Number
                               : 800-105708-01
Top Revision Number
                             : 09
Top Assembly Serial Number
                               : 0
                           : 00
RMA Test History
RMA History
                         : 00
                           : 00-00-00-00
RMA Number
Device Type
                         : 4C
Max Association Allowed
                             : 2
Radio(2.4G) Carrier Set
                            : 0000
Radio(2.4G) Max Transmit Power Level: 100
Radio(2.4G) Antenna Diversity Support: 01
Radio(2.4G) Encryption Ability
                              : 0002
Radio(5G) Carrier Set
                            : 0029
Radio(5G) Max Transmit Power Level : 100
Radio(5G) Antenna Diversity Support: 01
Radio(5G) Encryption Ability
                              : 0002
Radio(802.11g) Radio Mode
                               : 255
PEP Product Identifier (PID)
                             : C9120AXE-B
PEP Version Identifier (VID)
                             : V01
System Flags
                          : 00
Controller Type
                         : 0000
```

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```
Host Controller Type
                            : 0000
Mfr Service Date
                           : 2019.08.03-47:59:59
Radio(49) Carrier Set
                           : 0000
Radio(49) Max Transmit Power Level : 0
Radio(49) Antenna Diversity Support: 00
Radio(49) Encryption Ability
                              : 0000
Radio(58) Carrier Set
                            : 0029
Radio(58) Max Transmit Power Level : 100
Radio(58) Antenna Diversity Support: 01
Radio(58) Encryption Ability
                             : 0002
ACT2 ID
                         : C9120
Static AP Mode
                           : 0
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cat /storage/rxtx_mode
tx
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cd /usr/bin/bcm/mfg
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg# ./dfstool.lua
Vanc dfstool
BOARD: Axel BCM !!!!!!
Display config:
wl -i apr0v0 status | head -3
"SSID: "MFG-2GTEST"
                                                 noise: -97 dBm
Mode: Managed RSSI: 0 dBm
                                 SNR: 0 dB
                                                                  Channel: 1
BSSID: D4:AD:BD:A2:1B:00
                                 Capability: ESS ShortSlot "
Display config:
wl -i apr1v0 status | head -3
"SSID: "MFG-5GTEST"
Mode: Managed RSSI: 0 dBm
                                 SNR: 0 dB
                                                 noise: -96 dBm
                                                                  Channel: 36
                                 Capability: ESS "
BSSID: D4:AD:BD:A2:1B:0F
show_carrier_cookies | grep -o '..$'
rc:result="41"
wl -i apr1v0 country US
wl -i apr0v0 country US
line=""
line=""
line=""
line=""
                                            Page No: 99 of 101
```



```
line=""
>do0 stop
line="do0 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do0 stop"
interface="0"
stop_option="stop"
wl -i apr0v0 pkteng_status | awk -F'[, ]' '{print $3}'
main:result="0"
1601792112 (0x5f796870)
line=""
line=""
line=""
>do1 stop
line="do1 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do1 stop"
interface="1"
stop_option="stop"
wl -i apr1v0 pkteng_status | awk -F'[, ]' '{print $3}'
main:result="0"
1601792112 (0x5f796870)
line=""
line=""
line=""
>do4 stop
line="do4 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do4 stop"
interface="4"
stop option="stop"
[08/21/2019 08:15:55.2970] NXP-RHL-Driver 0001:01:00.0: xcvr[0], swcmd 0x23 done
[08/21/2019 08:15:55.4770] NXP-RHL-Driver 0001:01:00.0: xcvr[0], swcmd 0x4 done
[08/21/2019 08:15:55.5600] NXP-RHL-Driver 0001:01:00.0: VSPA FW :: FN = dcr.eld
line=""
line=""
```



ine=	"	"
>		
ina	"	"

End



Test Report

C9120AXE-x

(x=B)

Cisco Catalyst C9120AX Series 802.11ax Access Point

Main 5GHz Radio + 6dBi Antenna

FCC ID: LDKEDAC92157

5250-5350 MHz

Against the following Specifications:

CFR47 Part 15.407



Cisco Systems

170 West Tasman Drive San Jose, CA 95134

Author: Chris Blair
Tested By: Chris Blair
Tested By: Chris Blair
Title: Radio Compliance Manager
Revision: See EDCS

This report replaces any previously entered test report under EDCS – **18315839**. This test report has been electronically authorized and archived using the CISCO Engineering Document Control system. Test Report Template EDCS# 11644123.

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This test report has been electronically authorized and archived using the CISCO Engineering Document Control system.

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Section 1: Overview

The samples were assessed against the tests detailed in section 3 under the requirements of the following specifications:

Specifications:	
CFR47 Part 15.407	

Radio Test Report No: EDCS - 18315839



Section 2: Assessment Information

2.1 General

This report contains an assessment of an apparatus against Electromagnetic Compatibility Standards based upon tests carried out on the samples submitted. The testing was performed by and for the use of Cisco systems Inc:

With regard to this assessment, the following points should be noted:

- a) The results contained in this report relate only to the items tested and were obtained in the period between the date of the initial assessment and the date of issue of the report. Manufactured products will not necessarily give identical results due to production and measurement tolerances.
- b) The apparatus was set up and exercised using the configuration and modes of operation defined in this report only.
- c) Where relevant, the apparatus was only assessed using the susceptibility criteria defined in this report and the Test Assessment Plan (TAP).
- d) All testing was performed under the following environmental conditions:

Temperature 15°C to 35°C (54°F to 95°F)

Atmospheric Pressure 860mbar to 1060mbar (25.4" to 31.3")

Humidity 10% to 75*%

Units of Measurement

The units of measurements defined in the appendices are reported in specific terms, which are test dependent. Where radiated measurements are concerned these are defined at a particular distance. Basic voltage measurements are defined in units of [dBuV]

As an example, the basic calculation for all measurements is as follows:

Emission level [dBuV] = Indicated voltage level [dBuV] + Cable Loss [dB] + Other correction factors [dB] The combinations of correction factors are dependent upon the exact test configurations [see test equipment lists for further details] and may include:-

Antenna Factors, Pre Amplifier Gain, LISN Loss, Pulse Limiter Loss and Filter Insertion Loss Note: to convert the results from dBuV/m to uV/m use the following formula:-

Level in uV/m = Common Antilogarithm [(X dBuV/m)/20] = Y uV/m



Measurement Uncertainty Values

voltage and power measurements	± 2 dB
conducted EIRP measurements	± 1.4 dB
radiated measurements	± 3.2 dB
frequency measurements	± 2.4 10-7
temperature measurements	± 0.54°
humidity measurements	± 2.3%
DC and low frequency measurements	± 2.5%

Where relevant measurement uncertainty levels have been estimated for tests performed on the apparatus. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Radiated emissions (expanded uncertainty, confidence interval 95%)

30 MHz - 300 MHz	+/- 3.8 dB
300 MHz - 1000 MHz	+/- 4.3 dB
1 GHz - 10 GHz	+/- 4.0 dB
10 GHz - 18GHz	+/- 8.2 dB
18GHz - 26.5GHz	+/- 4.1 dB
26.5GHz - 40GHz	+/- 3.9 dB

Conducted emissions (expanded uncertainty, confidence interval 95%)

A product is considered to comply with a requirement if the nominal measured value is below the limit line. The product is considered to not be in compliance in case the nominal measured value is above the limit line.

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2.2 Date of testing

30-Aug-19 - 15-Sep-19

2.3 Report Issue Date

7-Oct-2019

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2.4 Testing facilities

This assessment was performed by: Chris Blair & Julian Land

Testing Laboratory

Cisco Systems, Inc. 125 West Tasman Drive (Building P) San Jose, CA 95134 USA

Headquarters

Cisco Systems, Inc., 170 West Tasman Drive San Jose, CA 95134, USA

Registration Numbers for Industry Canada

Cisco System Site	Address	Site Identifier
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	San Jose, CA 95134	
Building P, 5m Chamber	125 West Tasman Dr	Company #: 2461N-1
	San Jose, CA 95134	
Building I, 5m Chamber	285 W. Tasman Drive	Company #: 2461M-1
	San Jose, California 95134	
Building 7, 5m Chamber	425 E. Tasman Drive	Company #: 2461N-3
	San Jose, California 95134	

Test Engineers

Chris Blair



2.5 Equipment Assessed (EUT)

C9120AXE-B

2.6 EUT Description

The radio supports the following modes of operation. The modes are further defined in the radio Theory of Operation. The modes included in this report represent the worst case data for all modes.

```
802.11a - Non HT20, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20, Four Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT20 Beam Forming, Four Antennas, 6 to 54 Mbps, 1ss
802.11n/ac - HT/VHT20, One Antenna, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT20 Beam Forming, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT20 Beam Forming, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT20 STBC, Two Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT20 STBC, Three Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT20 STBC, Four Antennas, M0 to M7, 2ss
802.11b - HE20, One Antenna, M0 to M9 1ss
802.11b - HE20, Two Antennas, M0 to M9 1ss
802.11b - HE20, Two Antennas, M0 to M9 2ss
802.11b - HE20, Three Antennas, M0 to M9 1ss
802.11b - HE20, Three Antennas, M0 to M9 2ss
```

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802.11b - HE20, Three Antennas, M0 to M9 3ss 802.11b - HE20, Four Antennas, M0 to M9 1ss 802.11b - HE20, Four Antennas, M0 to M9 2ss



```
802.11b - HE20, Four Antennas, M0 to M9 3ss
802.11b - HE20, Four Antennas, M0 to M9 4ss
802.11b - HE20 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE20 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE20 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE20 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE20 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT40, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT40, Four Antennas, 6 to 54 Mbps, 1ss
802.11n/ac - HT/VHT40, One Antenna, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Three Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Three Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Three Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40, Four Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40, Four Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT40 Beam Forming, Two Antennas, M0 to M7, 1ss
802.11n/ac - HT/VHT40 Beam Forming, Two Antennas, M8 to M15, 2ss
802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M0 to M7, 1ss
```

802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M8 to M15, 2ss 802.11n/ac - HT/VHT40 Beam Forming, Three Antennas, M16 to M23, 3ss 802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M0 to M7, 1ss 802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M8 to M15, 2ss

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802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M16 to M23, 3ss
802.11n/ac - HT/VHT40 Beam Forming, Four Antennas, M24 to M31, 4ss
802.11n/ac - HT/VHT40 STBC, Two Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT40 STBC, Three Antennas, M0 to M7, 2ss
802.11n/ac - HT/VHT40 STBC, Four Antennas, M0 to M7, 2ss
802.11b - HE40, One Antenna, M0 to M9 1ss
802.11b - HE40, Two Antennas, M0 to M9 1ss
802.11b - HE40, Two Antennas, M0 to M9 2ss
802.11b - HE40, Three Antennas, M0 to M9 1ss
802.11b - HE40, Three Antennas, M0 to M9 2ss
802.11b - HE40, Three Antennas, M0 to M9 3ss
802.11b - HE40, Four Antennas, M0 to M9 1ss
802.11b - HE40, Four Antennas, M0 to M9 2ss
802.11b - HE40, Four Antennas, M0 to M9 3ss
802.11b - HE40, Four Antennas, M0 to M9 4ss
802.11b - HE40 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE40 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE40 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE40 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE40 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT80, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT80, Four Antennas, 6 to 54 Mbps, 1ss
802.11ac - VHT80, One Antenna, M0 to M9 1ss
802.11ac - VHT80, Two Antennas, M0 to M9 1ss
802.11ac - VHT80, Two Antennas, M0 to M9 2ss
802.11ac - VHT80. Three Antennas, M0 to M9 1ss
802.11ac - VHT80, Three Antennas, M0 to M9 2ss
802.11ac - VHT80, Three Antennas, M0 to M9 3ss
802.11ac - VHT80, Four Antennas, M0 to M9 1ss
802.11ac - VHT80, Four Antennas, M0 to M9 2ss
802.11ac - VHT80, Four Antennas, M0 to M9 3ss
802.11ac - VHT80, Four Antennas, M0 to M9 4ss
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802.11ac - VHT80 Beam Forming, Two Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Two Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Three Antennas, M0 to M9 3ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 1ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 2ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 3ss
802.11ac - VHT80 Beam Forming, Four Antennas, M0 to M9 4ss
802.11ac - VHT80 STBC, Two Antennas, M0 to M9 2ss
802.11ac - VHT80 STBC, Three Antennas, M0 to M9 2ss
802.11ac - VHT80 STBC, Four Antennas, M0 to M9 2ss
802.11b - HE80, One Antenna, M0 to M9 1ss
802.11b - HE80, Two Antennas, M0 to M9 1ss
802.11b - HE80, Two Antennas, M0 to M9 2ss
802.11b - HE80, Three Antennas, M0 to M9 1ss
802.11b - HE80, Three Antennas, M0 to M9 2ss
802.11b - HE80, Three Antennas, M0 to M9 3ss
802.11b - HE80, Four Antennas, M0 to M9 1ss
802.11b - HE80, Four Antennas, M0 to M9 2ss
802.11b - HE80, Four Antennas, M0 to M9 3ss
802.11b - HE80, Four Antennas, M0 to M9 4ss
802.11b - HE80 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE80 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE80 STBC, Two Antennas, M0 to M9 2ss
802.11b - HE80 STBC, Three Antennas, M0 to M9 2ss
802.11b - HE80 STBC, Four Antennas, M0 to M9 2ss
802.11a - Non HT20, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT160, One Antenna, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Two Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Three Antennas, 6 to 54 Mbps, 1ss
802.11a - Non HT160, Four Antennas, 6 to 54 Mbps, 1ss
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802.11ac - VHT160, One Antenna, M0 to M9 1ss
802.11ac - VHT160, Two Antennas, M0 to M9 1ss
802.11ac - VHT160, Two Antennas, M0 to M9 2ss
802.11ac - VHT160, Three Antennas, M0 to M9 1ss
802.11ac - VHT160, Three Antennas, M0 to M9 2ss
802.11ac - VHT160, Three Antennas, M0 to M9 3ss
802.11ac - VHT160, Four Antennas, M0 to M9 1ss
802.11ac - VHT160, Four Antennas, M0 to M9 2ss
802.11ac - VHT160, Four Antennas, M0 to M9 3ss
802.11ac - VHT160, Four Antennas, M0 to M9 4ss
802.11ac - VHT160 Beam Forming, Two Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Two Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Three Antennas, M0 to M9 3ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 1ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 2ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 3ss
802.11ac - VHT160 Beam Forming, Four Antennas, M0 to M9 4ss
802.11ac - VHT160 STBC, Two Antennas, M0 to M9 2ss
802.11ac - VHT160 STBC, Three Antennas, M0 to M9 2ss
802.11ac - VHT160 STBC, Four Antennas, M0 to M9 2ss
802.11b - HE160, One Antenna, M0 to M9 1ss
802.11b - HE160, Two Antennas, M0 to M9 1ss
802.11b - HE160, Two Antennas, M0 to M9 2ss
802.11b - HE160, Three Antennas, M0 to M9 1ss
802.11b - HE160, Three Antennas, M0 to M9 2ss
802.11b - HE160, Three Antennas, M0 to M9 3ss
802.11b - HE160, Four Antennas, M0 to M9 1ss
802.11b - HE160, Four Antennas, M0 to M9 2ss
802.11b - HE160, Four Antennas, M0 to M9 3ss
802.11b - HE160, Four Antennas, M0 to M9 4ss
802.11b - HE160 Beam Forming, Two Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Two Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Three Antennas, M0 to M9 3ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 1ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 2ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 3ss
802.11b - HE160 Beam Forming, Four Antennas, M0 to M9 4ss
802.11b - HE160 STBC, Two Antennas, M0 to M9 2ss
```

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802.11b - HE160 STBC, Three Antennas, M0 to M9 2ss 802.11b - HE160 STBC, Four Antennas, M0 to M9 2ss

The following antennas are supported by this product series.

The data included in this report represent the worst case data for all antennas.

			Antenna Gain
Frequency	Part Number	Antenna Type	(dBi)
		-E SKU	
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DB-R/=	Black, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DG-R/=	Gray, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant.,	2dBi@2.4GHz
	AIR-ANT2524DW-R/=	White, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 3dBi/5 GHz 5 dBi Low Profile	3dBi@2.4GHz
	AIR-ANT2535SDW-R	Antenna, White, connectors RP-TNC	5dBi@5GHz
2.4GHz&5GHz		2.4 GHz 6 dBi/5 GHz 6 dBi Directionnel	6dBi@2.4GHz
	AIR-ANT2566P4W-R=	Ant., 4-port, connectors RP-TNC	6dBi@5GHz
2.4GHz&5GHz		2.4GHz 2 dBi/5GHz 4 dBi Ceiling Mount	2dBi@2.4GHz
	AIR-ANT2524V4C-R=	Omni Ant., 4-port, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4GHz 4 dBi/5GHz 4 dBi Wall Mount	4dBi@2.4GHz
	AIR-ANT2544V4M-R=	Omni Ant., 4-port, connectors RP-TNC	4dBi@5GHz
2.4GHz&5GHz		2.4 GHz 6 dBi/5 GHz 6 dBi 60 Deg. Patch	6dBi@2.4GHz
	AIR-ANT2566D4M-R=	Ant., 4-port, RP-TNC	6dBi@5GHz



Section 3: Result Summary

3.1 Results Summary Table

Conducted emissions

Basic Standard	Technical Requirements / Details	Result
		_
15.407	99% & 26 dB Bandwidth: The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. There is no limit for 99% OBW.	Pass
	The 26 dB emission is the width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.	
15.407	Output Power: For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	Pass
	If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
15.407	Power Spectral Density The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	Pass
15.407	Conducted Spurious Emissions / Band-Edge: 2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.	Pass
15.407 15.205 15.209	Restricted band: Unwanted emissions must comply with the general field strength limits set forth in §15.209.	Pass

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Radiated Emissions (General requirements)

Basic Standard	Technical Requirements / Details	Result
15.407 15.205 15.209	TX Spurious Emissions: Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the field strength limits table in this section.	Not Tested
15.207	AC conducted Emissions: U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.	Not Tested



Section 4: Sample Details

Note: Each sample was evaluated to ensure that its condition was suitable to be used as a test sample prior to the commencement of testing.

4.1 Sample Details

Sample No.	Equipment Details	Manufacturer	Hardware Rev.	Firmware Rev.	Software Rev.	Serial Number
S01	C9120AXE-B	Foxconn	P2-2	1268.14948.r 14702 14702	Cisco AP Software, (ap1g7), [cheetah-build6:/san2/ BUILD/workspace/Nig htly-Cheetah-axel-bcm -mfg-c8_10_throttle] Compiled Wed Aug 21 08:08:55 PDT 2019	FOC23302F06

4.2 System Details

System #	Description	Samples
1	C9120AXE-B	S01

4.3 Mode of Operation Details

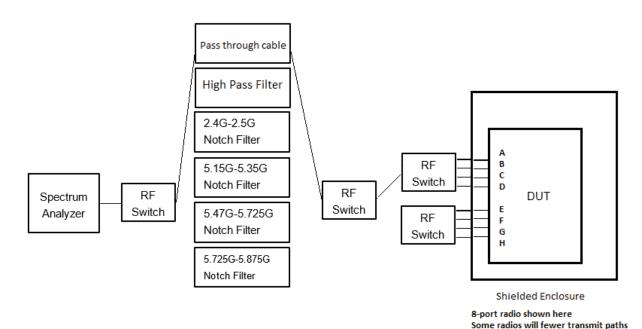
Mode#	Description	Comments
1	Continuously Transmitting	Constant duty cycle

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Appendix A: Emission Test Results

Conducted Test Setup Diagram



Target Maximum Channel Power

The following table details the maximum supported Total Channel Power for all operating modes.

	Maximum Channel Power (dBm)			er
		Frequency (MHz)		
Operating Mode	5250			
Non HT160, 6 to 54 Mbps	15			
VHT160, M0 to M9, M0 to M9 1-2ss	15			
VHT160 Beam Forming, M0 to M9, M0 to M9 1-2ss	15			
VHT160 STBC, M0 to M9 1ss	15			
HE160, M0 to M9, M0 to M9 1-2ss	17			
HE160 Beam Forming, M0 to M9, M0 to M9 1-2ss	17			
HE160 STBC, M0 to M9 1ss	17			
	5260	5300	5320	
Non HT20, 6 to 54 Mbps	18	18	18	
Non HT20 Beam Forming, 6 to 54 Mbps	18	18	18	
HT/VHT20, M0 to M31	22	22	19	
HT/VHT20 Beam Forming, M0 to M31	22	22	19	
HT/VHT20 STBC, M0 to M7	20	20	19	
HE20, M0 to M9, M0 to M9 1-2ss	22	22	20	

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HE20 Beam Forming, M0 to M9, M0 to M9 1-2ss	22	22	20	
HE20 STBC, M0 to M9 2ss	20	20	19	
	5270	5310		
Non HT40, 6 to 54 Mbps	20	18		
HT/VHT40, M0 to M31	23	18		
HT/VHT40 Beam Forming, M0 to M31	23	18		
HT/VHT40 STBC, M0 to M7	22	18		
HE40, M0 to M9, M0 to M9 1-2ss	23	18		
HE40 Beam Forming, M0 to M9, M0 to M9 1-2ss	23	18		
HE40 STBC, M0 to M9 2ss	22	18		
	5290			
Non HT80, 6 to 54 Mbps	16			
VHT80, M0 to M9, M0 to M9 1-2ss	17			
VHT80 Beam Forming, M0 to M9, M0 to M9 1-2ss	17			
VHT80 STBC, M0 to M9 1ss	17			
HE80, M0 to M9, M0 to M9 1-2ss	17			
HE80 Beam Forming, M0 to M9, M0 to M9 1-2ss	17			
HE80 STBC, M0 to M9 1ss	17			



A.1 Duty Cycle

Duty Cycle Test Requirement

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01

B. Duty Cycle (x), Transmission Duration (T), and Maximum Power Control Level

1. All measurements are to be performed with the EUT transmitting at 100 percent duty cycle at its maximum power control level; however, if 100 percent duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, \mathcal{T} , are required for each tested mode of operation.

Duty Cycle Test Method

From KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

B. Duty Cycle (x), Transmission Duration (T), and Maximum Power Control Level

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq EBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in section II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

Duty Cycle Test Information

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

Samples, Systems, and Modes

Samples, Systems, and modes							
System	Description	Samples	System under	Support			
Number	Description		test	equipment			
4	EUT	S01	\checkmark				
1	Support			\checkmark			

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Duty Cycle Data Table

Duty Cycle table and screen captures are shown below for power/psd modes.

Frequency	Mode	Data Rate	Duty Cycle correction (dB)
	Non HT20, 6 to 54 Mbps	6	0.1
5260	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1

	Non HT40, 6 to 54 Mbps	6	0.0
5270	HT/VHT40, M0 to M31	m0	0.1
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT80, 6 to 54 Mbps	6	0.1
5290	VHT80, M0 to M9, M0 to M9 1-2ss	m0x1	0.2
	HE80, M0 to M9, M0 to M9 1-2ss	m0h1	0.3
	Non HT20, 6 to 54 Mbps	6	0.1
5300	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
		-	-
	Non HT40, 6 to 54 Mbps	6	0.1
5310	HT/VHT40, M0 to M31	m0	0.1
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT20, 6 to 54 Mbps	6	0.1
5320	HT/VHT20, M0 to M31	m0	0.1
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	0.1
	Non HT160, 6 to 54 Mbps	6	0.1
5250	VHT160, M0 to M9, M0 to M9 1-2ss	m0x1	0.1
	HE160, M0 to M9, M0 to M9 1-2ss	m0h1	0.1

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A.2 99% and 26dB Bandwidth

99% and 26dB Bandwidth Test Requirement

There is no requirement for the value of bandwidth.

However, the 26dB BW (EBW) is used to calculate the power limits in 15.407 (a) (2). Power measurements are made using the 99% Bandwidth as the integration bandwidth.

99% and 26dB Bandwidth Test Procedure

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section D. 99 Percent Occupied Bandwidth

ANSI C63.10: 2013

99% BW

Test Parameters

- 1. Set center frequency to the nominal EUT channel center frequency.
- 2. Set span = 1.5 times to 5.0 times the OBW.
- 3. Set RBW = 1% to 5% of the OBW
- 4. Set VBW ≥ 3 · RBW
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).

Ref KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Section C. Measurement Bandwidth, Section 1

26 BW

Test parameters

X dB BW = -26dB (using the OBW function of the spectrum analyzer)

Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Samples, Systems, and Modes

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System Number	Description	Samples	System under test	Support equipment
4	EUT	S01	\searrow	
1	Support			✓

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment



Frequency (MHz)	Mode	Data Rate (Mbps)	26dB BW (MHz)	99% BW (MHz)
	Non HT20, 6 to 54 Mbps	6	21.2	16.757
5260	HT/VHT20, M0 to M31	m0	21.8	18.020
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.5	19.120
	Non HT40, 6 to 54 Mbps	6	39.8	36.355
5270	HT/VHT40, M0 to M31	m0	40.1	36.435
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	39.9	37.598
	Non HT80, 6 to 54 Mbps	6	82.0	76.239
5290	VHT80, M0 to M9, M0 to M9 1-2ss	m0x1	82.5	76.002
	HE80, M0 to M9, M0 to M9 1-2ss	m0h1	82.1	77.017
	-			
	Non HT20, 6 to 54 Mbps	6	21.2	16.758
5300	HT/VHT20, M0 to M31	m0	21.7	18.013
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.5	19.119
	Non HT40, 6 to 54 Mbps	6	39.6	36.349
5310	HT/VHT40, M0 to M31	m0	40.1	36.429
	HE40, M0 to M9, M0 to M9 1-2ss	m0h1	39.9	37.584
	Non HT20, 6 to 54 Mbps	6	21.2	16.750
5320	HT/VHT20, M0 to M31	m0	21.7	18.015
	HE20, M0 to M9, M0 to M9 1-2ss	m0h1	21.4	19.109
		_	-	
	Non HT160, 6 to 54 Mbps	6	163.6	154.112
5250	VHT160, M0 to M9, M0 to M9 1-2ss	m0x1	164.9	154.678
	HE160, M0 to M9, M0 to M9 1-2ss	m0h1	164.5	154.982









A.3 Maximum Conducted Output Power

Maximum Conducted Output Power Test Requirement

15.407 (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. ... If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.407 (5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Referencing "644545 D03 Guidance for IEEE 802.11ac v01", covering signals that cross the boundary between two adjacent UNII bands, the FCC describes a procedure to measure EBW, power, and PSD in each UNII band. For the case of a 160MHz signal equally distributed between UNII-1 and UNII-2a, we apply the following alternate procedure. Rather than measure:

- The half of the signal in UNII-1, measured against the 30dBm power / 17dBm/MHz PSD limits
- The half of the signal in UNII-2a, measured against the 24dBm power / 11dBm/MHz PSD limits

If a 160MHz signal (equally distributed between the two bands) produces a total power of 27dBm across the entire 160 MHz EBW, the total power in each band would be half of the total, or 24dBm (which meets both the UNII-1 and UNII-2a limits), and would have a PSD no greater than 11dBm/MHz in either sub-band.

Given these facts, we have measured the complete 160 MHz EBW (across both sub-bands) against 27dBm power and 11dBm/MHz PSD limits, rather than individual sub band measurements against the individual sub band limits."

Maximum Conducted Output Power Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 ANSI C63.10: 2013

Maximum Conducted Output Power

Test Procedure

- 1. Set the radio in the continuous transmitting mode at full power
- 2. Compute power by integrating the spectrum across the EBW (or alternatively entire 99% OBW) of the signal using the instrument's band power measurement function. The integration shall be performed using the spectrum analyzer band-power measurement function with band limits set equal to the EBW or the OBW band edges.
- 3. Capture graphs and record pertinent measurement data.

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA), (d) Method SA-2

Maximum Conducted Output Power

Test parameters

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Radio Test Report No: EDCS - 18315839



Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (i) Measure the duty cycle, x, of the transmitter output signal as described in section II.B.
- (ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (iii) Set RBW = 1 MHz.
- (iv) Set $VBW \ge 3$ MHz.
- (v) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (vi) Sweep time = auto.
- (vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (viii) Do not use sweep triggering. Allow the sweep to "free run".
- (ix) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
- (x) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth)

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. ANSI C63.10 section 14.3.2.2

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
	EUT	S01	\checkmark	
1	Support			\checkmark

Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Maximum Output Power

	Maximum Output Power							1			
Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Max Power (dBm)	Tx 2 Max Power (dBm)	Tx 3 Max Power (dBm)	Tx 4 Max Power (dBm)	Duty Cycle Correction (dB)	Total Tx Channel Power (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	6	17.3				0.1	17.4	24.0	6.65
	Non HT20, 6 to 54 Mbps	2	6	15.2	14.7			0.1	18.0	24.0	5.98
	Non HT20, 6 to 54 Mbps	3	6	12.1	11.6	11.0		0.1	16.4	24.0	7.59
	Non HT20, 6 to 54 Mbps	4	6	10.1	9.4	9.1	8.7	0.1	15.4	24.0	8.57
	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	15.2	14.7			0.1	18.0	21.0	2.98
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	12.1	11.6	11.0		0.1	16.4	19.0	2.59
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	10.1	9.4	9.1	8.7	0.1	15.4	18.0	2.57
	HT/VHT20, M0 to M7	1	6	17.3				0.1	17.4	24.0	6.65
	HT/VHT20, M0 to M7	2	6	16.2	15.7			0.1	19.0	24.0	4.98
	HT/VHT20, M8 to M15	2	6	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20, M0 to M7	3	6	11.9	11.6	11.0		0.1	16.3	24.0	7.66
	HT/VHT20, M8 to M15	3	6	15.2	14.9	13.9		0.1	19.5	24.0	4.48
	HT/VHT20, M16 to M23	3	6	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20, M0 to M7	4	6	10.0	9.6	9.0	8.8	0.1	15.4	24.0	8.55
	HT/VHT20, M8 to M15	4	6	13.2	12.6	11.8	11.7	0.1	18.4	24.0	5.56
5260	HT/VHT20, M16 to M23	4	6	15.2	14.9	13.9	14.0	0.1	20.6	24.0	3.39
5	HT/VHT20, M24 to M31	4	6	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 Beam Forming, M0 to M7	2	9	16.2	15.7			0.1	19.0	21.0	1.98
	HT/VHT20 Beam Forming, M8 to M15	2	6	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20 Beam Forming, M0 to M7	3	11	11.9	11.6	11.0		0.1	16.3	19.0	2.66
	HT/VHT20 Beam Forming, M8 to M15	3	8	15.2	14.9	13.9		0.1	19.5	22.0	2.48
	HT/VHT20 Beam Forming, M16 to M23	3	6	17.3	16.9	15.9		0.1	21.6	24.0	2.44
	HT/VHT20 Beam Forming, M0 to M7	4	12	10.0	9.6	9.0	8.8	0.1	15.4	18.0	2.55
	HT/VHT20 Beam Forming, M8 to M15	4	9	13.2	12.6	11.8	11.7	0.1	18.4	21.0	2.56
	HT/VHT20 Beam Forming, M16 to M23	4	7	15.2	14.9	13.9	14.0	0.1	20.6	23.0	2.39
	HT/VHT20 Beam Forming, M24 to M31	4	6	16.2	15.7	14.9	14.8	0.1	21.5	24.0	2.49
	HT/VHT20 STBC, M0 to M7	2	6	17.3	16.9			0.1	20.2	24.0	3.83
	HT/VHT20 STBC, M0 to M7	3	6	15.2	14.9	13.9		0.1	19.5	24.0	4.48
	HT/VHT20 STBC, M0 to M7	4	6	13.2	12.6	11.8	11.7	0.1	18.4	24.0	5.56
	HE20, M0 to M9 1ss	1	6	17.5				0.1	17.6	24.0	6.43
	HE20, M0 to M9 1ss	2	6	15.5	15.0			0.1	18.3	24.0	5.66

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	HE20, M0 to M9 2ss	2	6	17.5	17.1			0.1	20.4	24.0	3.62
	HE20, M0 to M9 1ss	3	6	12.2	11.9	11.4		0.1	16.7	24.0	7.32
	HE20, M0 to M9 2ss	3	6	15.5	15.0	14.2		0.1	19.8	24.0	4.23
	HE20, M0 to M9 3ss	3	6	17.5	17.1	16.1		0.1	21.8	24.0	2.22
	HE20, M0 to M9 1ss	4	6	10.4	9.8	9.3	9.1	0.1	15.8	24.0	8.23
	HE20, M0 to M9 2ss	4	6	13.6	12.9	12.2	12.0	0.1	18.8	24.0	5.19
	HE20, M0 to M9 3ss	4	6	15.5	15.0	14.2	14.2	0.1	20.8	24.0	3.15
	HE20, M0 to M9 4ss	4	6	16.5	16.1	15.4	15.1	0.1	21.9	24.0	2.10
	HE20 Beam Forming, M0 to M9 1ss	2	9	15.5	15.0			0.1	18.3	21.0	2.66
	HE20 Beam Forming, M0 to M9 2ss	2	6	17.5	17.1			0.1	20.4	24.0	3.62
	HE20 Beam Forming, M0 to M9 1ss	3	11	12.2	11.9	11.4		0.1	16.7	19.0	2.32
	HE20 Beam Forming, M0 to M9 2ss	3	8	15.5	15.0	14.2		0.1	19.8	22.0	2.23
	HE20 Beam Forming, M0 to M9 3ss	3	6	17.5	17.1	16.1		0.1	21.8	24.0	2.22
	HE20 Beam Forming, M0 to M9 1ss	4	12	10.4	9.8	9.3	9.1	0.1	15.8	18.0	2.23
	HE20 Beam Forming, M0 to M9 2ss	4	9	13.6	12.9	12.2	12.0	0.1	18.8	21.0	2.19
	HE20 Beam Forming, M0 to M9 3ss	4	7	15.5	15.0	14.2	14.2	0.1	20.8	23.0	2.15
	HE20 Beam Forming, M0 to M9 4ss	4	6	16.5	16.1	15.4	15.1	0.1	21.9	24.0	2.10
	HE20 STBC, M0 to M9 2ss	2	6	17.5	17.1			0.1	20.4	24.0	3.62
	HE20 STBC, M0 to M9 2ss	3	6	15.5	15.0	14.2		0.1	19.8	24.0	4.23
	HE20 STBC, M0 to M9 2ss	4	6	13.6	12.9	12.2	12.0	0.1	18.8	24.0	5.19
	Non HT40, 6 to 54 Mbps	1	6	17.1				0.0	17.1	24.0	6.86
	Non HT40, 6 to 54 Mbps	2	6	17.1	17.6			0.0	20.4	24.0	3.59
	Non HT40, 6 to 54 Mbps	3	6	15.1	15.6	13.9		0.0	19.7	24.0	4.26
	Non HT40, 6 to 54 Mbps	4	6	13.1	13.4	11.8	11.9	0.0	18.7	24.0	5.33
	HT/VHT40, M0 to M7	1	6	17.2				0.1	17.3	24.0	6.70
	HT/VHT40, M0 to M7	2	6	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40, M8 to M15	2	6	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40, M0 to M7	3	6	15.3	15.6	13.9		0.1	19.9	24.0	4.13
	HT/VHT40, M8 to M15	3	6	17.2	17.6	15.9		0.1	21.8	24.0	2.17
	HT/VHT40, M16 to M23	3	6	17.2	17.6	15.9		0.1	21.8	24.0	2.17
5270	HT/VHT40, M0 to M7	4	6	13.2	13.3	12.0	11.8	0.1	18.8	24.0	5.25
5	HT/VHT40, M8 to M15	4	6	16.2	16.6	15.2	14.8	0.1	21.9	24.0	2.12
	HT/VHT40, M16 to M23	4	6	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40, M24 to M31	4	6	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 Beam Forming, M0 to M7	2	9	17.2	17.6			0.1	20.5	21.0	0.48
	HT/VHT40 Beam Forming, M8 to M15	2	6	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40 Beam Forming, M0 to M7	3	11	14.3	14.4	12.9		0.1	18.8	19.0	0.21
	HT/VHT40 Beam Forming, M8 to M15	3	8	17.2	17.6	15.9		0.1	21.8	22.0	0.17
	HT/VHT40 Beam Forming, M16 to M23	3	6	17.2	17.6	15.9		0.1	21.8	24.0	2.17
	HT/VHT40 Beam Forming, M0 to M7	4	12	12.2	12.2	11.1	10.8	0.1	17.7	18.0	0.26
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	HT/VHT40 Beam Forming, M16 to M23	4	7	17.2	17.6	15.9	15.9	0.1	22.8	23.0	0.16
	HT/VHT40 Beam Forming, M24 to M31	4	6	17.2	17.6	15.9	15.9	0.1	22.8	24.0	1.16
	HT/VHT40 STBC, M0 to M7	2	6	17.2	17.6			0.1	20.5	24.0	3.48
	HT/VHT40 STBC, M0 to M7	3	6	17.2	17.6	15.9		0.1	21.8	24.0	2.17
	HT/VHT40 STBC, M0 to M7	4	6	15.3	15.6	13.9	13.9	0.1	20.9	24.0	3.13
	HE40, M0 to M9 1ss	1	6	17.4				0.1	17.5	24.0	6.47
	HE40, M0 to M9 1ss	2	6	17.4	17.8			0.1	20.7	24.0	3.26
	HE40, M0 to M9 2ss	2	6	17.4	17.8			0.1	20.7	24.0	3.26
	HE40, M0 to M9 1ss	3	6	15.5	15.8	14.2		0.1	20.1	24.0	3.88
	HE40, M0 to M9 2ss	3	6	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 3ss	3	6	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40, M0 to M9 1ss	4	6	13.4	13.7	12.1	12.1	0.1	19.0	24.0	4.97
	HE40, M0 to M9 2ss	4	6	16.4	16.8	15.3	15.1	0.1	22.1	24.0	1.89
	HE40, M0 to M9 3ss	4	6	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40, M0 to M9 4ss	4	6	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 Beam Forming, M0 to M9 1ss	2	9	17.4	17.8			0.1	20.7	21.0	0.26
	HE40 Beam Forming, M0 to M9 2ss	2	6	17.4	17.8			0.1	20.7	24.0	3.26
	HE40 Beam Forming, M0 to M9 1ss	3	11	13.4	13.7	12.1		0.1	18.0	19.0	0.98
	HE40 Beam Forming, M0 to M9 2ss	3	8	16.4	16.8	15.3		0.1	21.1	22.0	0.89
	HE40 Beam Forming, M0 to M9 3ss	3	6	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 Beam Forming, M0 to M9 1ss	4	12	11.4	11.7	10.3	10.0	0.1	17.1	18.0	0.95
	HE40 Beam Forming, M0 to M9 2ss	4	9	14.4	14.6	13.2	13.1	0.1	20.0	21.0	0.98
	HE40 Beam Forming, M0 to M9 3ss	4	7	16.4	16.8	15.3	15.1	0.1	22.1	23.0	0.89
	HE40 Beam Forming, M0 to M9 4ss	4	6	17.4	17.8	16.1	16.2	0.1	23.1	24.0	0.92
	HE40 STBC, M0 to M9 2ss	2	6	17.4	17.8			0.1	20.7	24.0	3.26
	HE40 STBC, M0 to M9 2ss	3	6	17.4	17.8	16.1		0.1	22.1	24.0	1.95
	HE40 STBC, M0 to M9 2ss	4	6	15.5	15.8	14.2	14.0	0.1	21.1	24.0	2.91
	Non HT80, 6 to 54 Mbps	1	6	11.7				0.1	11.8	24.0	12.25
	Non HT80, 6 to 54 Mbps	2	6	11.7	11.3			0.1	14.6	24.0	9.43
	Non HT80, 6 to 54 Mbps	3	6	10.8	10.3	10.3		0.1	15.3	24.0	8.70
	Non HT80, 6 to 54 Mbps	4	6	10.8	10.3	10.3	9.9	0.1	16.4	24.0	7.59
	VHT80, M0 to M9 1ss	1	6	12.7				0.2	12.9	24.0	11.08
	VHT80, M0 to M9 1ss	2	6	11.7	11.1			0.2	14.6	24.0	9.36
8	VHT80, M0 to M9 2ss	2	6	11.7	11.1			0.2	14.6	24.0	9.36
5290	VHT80, M0 to M9 1ss	3	6	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80, M0 to M9 2ss	3	6	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80, M0 to M9 3ss	3	6	11.7	11.1	11.0		0.2	16.3	24.0	7.74
	VHT80, M0 to M9 1ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 2ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 3ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
	VHT80, M0 to M9 4ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
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VHT80 Beam Forming, M0 to M9 1ss 2 9 10.7 10.1 0.2 13.6 21.0 7.36 VHT80 Beam Forming, M0 to M9 2ss 2 6 111.7 11.1 0.0.2 14.6 24.0 9.36 VHT80 Beam Forming, M0 to M9 2ss 3 11 9.6 9.0 9.1 0.2 14.2 19.0 4.77 VHT80 Beam Forming, M0 to M9 2ss 3 8 10.7 10.1 10.0 0.2 15.3 22.0 6.74 VHT80 Beam Forming, M0 to M9 2ss 3 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 Beam Forming, M0 to M9 2ss 4 12 7.7 7.1 7.2 6.8 0.2 13.4 18.0 4.55 VHT80 Beam Forming, M0 to M9 2ss 4 9 9.6 9.0 9.1 8.7 0.2 15.3 21.0 5.65 VHT80 Beam Forming, M0 to M9 2ss 4 7 10.7 10.1 10.0 9.9 0.2 16.4 23.0 6.58 VHT80 Beam Forming, M0 to M9 4ss 4 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 2 6 11.7 11.1 11.0 0.2 146.8 24.0 9.36 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 0.2 146.8 24.0 9.36 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 0.2 146.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 3 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 11.95 HE80, M0 to M9 1ss 2 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 1ss 2 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 1ss 3 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 2ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 2ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 15.7 24.0 7.34 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 16.7 24.0 7.34 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 16.7 24.0 7.34 HE80												
VHT80 Beam Forming, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 1ss	2	9	10.7	10.1			0.2	13.6	21.0	7.36
VHT80 Beam Forming, M0 to M9 2ss 3 8 10.7 10.1 10.0 0.2 15.3 22.0 6.74 VHT80 Beam Forming, M0 to M9 3ss 3 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 Beam Forming, M0 to M9 1ss 4 12 7.7 7.1 7.2 6.8 0.2 13.4 18.0 4.55 VHT80 Beam Forming, M0 to M9 2ss 4 9 9.6 9.0 9.1 8.7 0.2 15.3 21.0 5.65 VHT80 Beam Forming, M0 to M9 3ss 4 7 10.7 10.1 10.0 9.9 0.2 16.4 23.0 6.58 VHT80 STBC, M0 to M9 1ss 2 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 9.8 VHT80 STBC, M0 to M9 1ss 2 6 11.8 11.3		VHT80 Beam Forming, M0 to M9 2ss	2	6	11.7	11.1			0.2	14.6	24.0	9.36
VHT80 Beam Forming, M0 to M9 3ss 3 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 Beam Forming, M0 to M9 1ss 4 12 7.7 7.1 7.2 6.8 0.2 13.4 18.0 4.55 VHT80 Beam Forming, M0 to M9 3ss 4 7 9.0 9.0 9.1 8.7 0.2 15.3 21.0 5.65 VHT80 Beam Forming, M0 to M9 4ss 4 6 11.7 10.1 10.0 9.9 0.2 16.4 23.0 6.58 VHT80 STBC, M0 to M9 1ss 2 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 4 6 11.7 11.1 11.0 0.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 1 6 11.8 11.3 11.0 0.3 <td></td> <td>VHT80 Beam Forming, M0 to M9 1ss</td> <td>3</td> <td>11</td> <td>9.6</td> <td>9.0</td> <td>9.1</td> <td></td> <td>0.2</td> <td>14.2</td> <td>19.0</td> <td>4.77</td>		VHT80 Beam Forming, M0 to M9 1ss	3	11	9.6	9.0	9.1		0.2	14.2	19.0	4.77
VHT80 Beam Forming, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 2ss	3	8	10.7	10.1	10.0		0.2	15.3	22.0	6.74
VHT80 Beam Forming, M0 to M9 2ss		VHT80 Beam Forming, M0 to M9 3ss	3	6	11.7	11.1	11.0		0.2	16.3	24.0	7.74
VHT80 Beam Forming, M0 to M9 3ss 4 7 10.7 10.1 10.0 9.9 0.2 16.4 23.0 6.58 VHT80 Beam Forming, M0 to M9 4ss 4 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 VHT80 STBC, M0 to M9 1ss 3 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 4 6 11.7 11.1 11.0 0.2 16.3 24.0 7.74 VHT80 STBC, M0 to M9 1ss 4 6 11.7 11.1 11.0 10.7 0.2 17.4 24.0 6.62 HE80, M0 to M9 1ss 1 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80, M0 to M9 2ss 2 6 11.8 11.3 0.3 16.5 24.0 7.51 HE80, M0 to M9 2ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51		VHT80 Beam Forming, M0 to M9 1ss	4	12	7.7	7.1	7.2	6.8	0.2	13.4	18.0	4.55
VHT80 Beam Forming, M0 to M9 4ss		VHT80 Beam Forming, M0 to M9 2ss	4	9	9.6	9.0	9.1	8.7	0.2	15.3	21.0	5.65
VHT80 STBC, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 3ss	4	7	10.7	10.1	10.0	9.9	0.2	16.4	23.0	6.58
VHT80 STBC, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 4ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
VHT80 STBC, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	2	6	11.7	11.1			0.2	14.6	24.0	9.36
HE80, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	3	6	11.7	11.1	11.0		0.2	16.3	24.0	7.74
HE80, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	4	6	11.7	11.1	11.0	10.7	0.2	17.4	24.0	6.62
HE80, M0 to M9 2ss		HE80, M0 to M9 1ss	1	6	11.8				0.3	12.1	24.0	11.95
HE80, M0 to M9 1ss		HE80, M0 to M9 1ss	2	6	11.8	11.3			0.3	14.8	24.0	9.18
HE80, M0 to M9 2ss		HE80, M0 to M9 2ss	2	6	11.8	11.3			0.3	14.8	24.0	9.18
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	3	6	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80, M0 to M9 1ss		HE80, M0 to M9 2ss	3	6	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80, M0 to M9 2ss		HE80, M0 to M9 3ss	3	6	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
HE80, M0 to M9 4ss		HE80, M0 to M9 2ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
HE80 Beam Forming, M0 to M9 1ss 2 9 10.8 10.4 0.3 13.9 21.0 7.13 HE80 Beam Forming, M0 to M9 2ss 2 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 1ss 3 11 9.1 8.3 8.5 0.3 13.7 19.0 5.33 HE80 Beam Forming, M0 to M9 2ss 3 8 10.8 10.4 10.3 0.3 15.5 22.0 6.47 HE80 Beam Forming, M0 to M9 3ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 12 7.8 7.3 7.5 7.0 0.3 13.7 18.0 4.32 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 15.7 21.0 5.32 HE80 Beam Forming, M0 to M9 3ss 4 7 10.8 10.4 10.3 10.0 0.3 16.7 23.0 6.34 HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.54 Non HT20, 6 to 54 Mbps 2 6 6 15.2 14.8 0.1 18.1 24.0 5.93		HE80, M0 to M9 3ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
HE80 Beam Forming, M0 to M9 2ss 2 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80 Beam Forming, M0 to M9 1ss 3 11 9.1 8.3 8.5 0.3 13.7 19.0 5.33 HE80 Beam Forming, M0 to M9 2ss 3 8 10.8 10.4 10.3 0.3 15.5 22.0 6.47 HE80 Beam Forming, M0 to M9 3ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 12 7.8 7.3 7.5 7.0 0.3 13.7 18.0 4.32 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 15.7 21.0 5.32 HE80 Beam Forming, M0 to M9 3ss 4 7 10.8 10.4 10.3 10.0 0.3 16.7 23.0 6.34 HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93		HE80, M0 to M9 4ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
HE80 Beam Forming, M0 to M9 1ss 3 11 9.1 8.3 8.5 0.3 13.7 19.0 5.33 HE80 Beam Forming, M0 to M9 2ss 3 8 10.8 10.4 10.3 0.3 15.5 22.0 6.47 HE80 Beam Forming, M0 to M9 3ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 12 7.8 7.3 7.5 7.0 0.3 13.7 18.0 4.32 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 15.7 21.0 5.32 HE80 Beam Forming, M0 to M9 3ss 4 7 10.8 10.4 10.3 10.0 0.3 16.7 23.0 6.34 HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93		HE80 Beam Forming, M0 to M9 1ss	2	9	10.8	10.4			0.3	13.9	21.0	7.13
HE80 Beam Forming, M0 to M9 2ss 3 8 10.8 10.4 10.3 0.3 15.5 22.0 6.47 HE80 Beam Forming, M0 to M9 3ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 Beam Forming, M0 to M9 1ss 4 12 7.8 7.3 7.5 7.0 0.3 13.7 18.0 4.32 HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 15.7 21.0 5.32 HE80 Beam Forming, M0 to M9 3ss 4 7 10.8 10.4 10.3 10.0 0.3 16.7 23.0 6.34 HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93		HE80 Beam Forming, M0 to M9 2ss	2	6	11.8	11.3			0.3	14.8	24.0	9.18
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	3	11	9.1	8.3	8.5		0.3	13.7	19.0	5.33
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 2ss	3	8	10.8	10.4	10.3		0.3	15.5	22.0	6.47
HE80 Beam Forming, M0 to M9 2ss 4 9 9.9 9.4 9.3 9.0 0.3 15.7 21.0 5.32 HE80 Beam Forming, M0 to M9 3ss 4 7 10.8 10.4 10.3 10.0 0.3 16.7 23.0 6.34 HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 10.0 0.3 16.7 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT20, 6 to 54 Mbps 2		HE80 Beam Forming, M0 to M9 3ss	3	6	11.8	11.3	11.3		0.3	16.5	24.0	7.51
HE80 Beam Forming, M0 to M9 3ss 4 7 10.8 10.4 10.3 10.0 0.3 16.7 23.0 6.34 HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT20, 6 to 54 Mbps 2 6 13.1 11.7 11.0 0.1 16.4 24.0 7.55		HE80 Beam Forming, M0 to M9 1ss	4	12	7.8	7.3	7.5	7.0	0.3	13.7	18.0	4.32
HE80 Beam Forming, M0 to M9 4ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT20, 6 to 54 Mbps 2 6 12.1 11.7 11.0 0.1 16.4 24.0 7.55		HE80 Beam Forming, M0 to M9 2ss	4	9	9.9	9.4	9.3	9.0	0.3	15.7	21.0	5.32
HE80 STBC, M0 to M9 1ss 2 6 11.8 11.3 0.3 14.8 24.0 9.18 HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT20, 6 to 54 Mbps 2 6 12.1 11.7 11.0 0.1 16.4 24.0 7.55		HE80 Beam Forming, M0 to M9 3ss	4	7	10.8	10.4	10.3	10.0	0.3	16.7	23.0	6.34
HE80 STBC, M0 to M9 1ss 3 6 11.8 11.3 11.3 0.3 16.5 24.0 7.51 HE80 STBC, M0 to M9 1ss 4 6 10.8 10.4 10.3 10.0 0.3 16.7 24.0 7.34 Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT30, 6 to 54 Mbps 3 6 12.1 11.7 11.0 0.1 16.4 24.0 7.55		HE80 Beam Forming, M0 to M9 4ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT20, 6 to 54 Mbps 2 6 12.1 11.7 11.0 0.1 16.4 24.0 7.55		HE80 STBC, M0 to M9 1ss	2	6	11.8	11.3			0.3	14.8	24.0	9.18
Non HT20, 6 to 54 Mbps 1 6 17.3 0.1 17.4 24.0 6.65 Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93 Non HT20, 6 to 54 Mbps 3 6 12.1 11.7 11.0 0.1 16.4 24.0 7.55		HE80 STBC, M0 to M9 1ss	3	6	11.8	11.3	11.3		0.3	16.5	24.0	7.51
Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93		HE80 STBC, M0 to M9 1ss	4	6	10.8	10.4	10.3	10.0	0.3	16.7	24.0	7.34
Non HT20, 6 to 54 Mbps 2 6 15.2 14.8 0.1 18.1 24.0 5.93							_	_				
Non HT20 6 to 54 Mbps 2 6 12 1 11 7 11 0 01 16 4 24 0 7 55		Non HT20, 6 to 54 Mbps	1	6	17.3				0.1	17.4	24.0	6.65
Non HT20, 6 to 54 Mbps 3 6 12.1 11.7 11.0 0.1 16.4 24.0 7.55		Non HT20, 6 to 54 Mbps	2	6	15.2	14.8			0.1	18.1	24.0	5.93
9 Non HT20 6 to 54 Mbps 4 6 10.2 0.6 0.0 0.0 0.4 15.5 24.0 0.40		Non HT20, 6 to 54 Mbps	3	6	12.1	11.7	11.0		0.1	16.4	24.0	7.55
MOITTI 20, 0 to 34 Minutes	5300	Non HT20, 6 to 54 Mbps	4	6	10.2	9.6	9.0	8.8	0.1	15.5	24.0	8.49
Non HT20 Beam Forming, 6 to 54 Mbps 2 9 15.2 14.8 0.1 18.1 21.0 2.93	3	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	15.2	14.8			0.1	18.1	21.0	2.93
Non HT20 Beam Forming, 6 to 54 Mbps 3 11 12.1 11.7 11.0 0.1 16.4 19.0 2.55		Non HT20 Beam Forming, 6 to 54 Mbps	3	11	12.1	11.7	11.0		0.1	16.4	19.0	2.55
Non HT20 Ream Forming 6 to 54 Mbps 4 12 10.2 9.6 9.0 9.8 0.1 15.5 19.0 2.40		Non HT20 Beam Forming, 6 to 54 Mbps	4	12	10.2	9.6	9.0	8.8	0.1	15.5	18.0	2.49

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HT/VHT20, M0 to M7	1	6	17.2				0.1	17.3	24.0	6.75
HT/VHT20, M0 to M7	2	6	16.3	15.7			0.1	19.1	24.0	4.93
HT/VHT20, M8 to M15	2	6	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20, M0 to M7	3	6	12.1	11.7	11.0		0.1	16.4	24.0	7.55
HT/VHT20, M8 to M15	3	6	15.1	14.8	13.8		0.1	19.4	24.0	4.58
HT/VHT20, M16 to M23	3	6	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20, M0 to M7	4	6	10.2	9.5	9.1	8.9	0.1	15.5	24.0	8.47
HT/VHT20, M8 to M15	4	6	13.2	12.6	11.9	11.9	0.1	18.5	24.0	5.49
HT/VHT20, M16 to M23	4	6	15.1	14.8	13.8	14.1	0.1	20.6	24.0	3.45
HT/VHT20, M24 to M31	4	6	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 Beam Forming, M0 to M7	2	9	16.3	15.7			0.1	19.1	21.0	1.93
HT/VHT20 Beam Forming, M8 to M15	2	6	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20 Beam Forming, M0 to M7	3	11	12.1	11.7	11.0		0.1	16.4	19.0	2.55
HT/VHT20 Beam Forming, M8 to M15	3	8	15.1	14.8	13.8		0.1	19.4	22.0	2.58
HT/VHT20 Beam Forming, M16 to M23	3	6	17.2	16.9	15.9		0.1	21.5	24.0	2.48
HT/VHT20 Beam Forming, M0 to M7	4	12	10.2	9.5	9.1	8.9	0.1	15.5	18.0	2.47
HT/VHT20 Beam Forming, M8 to M15	4	9	13.2	12.6	11.9	11.9	0.1	18.5	21.0	2.49
HT/VHT20 Beam Forming, M16 to M23	4	7	15.1	14.8	13.8	14.1	0.1	20.6	23.0	2.45
HT/VHT20 Beam Forming, M24 to M31	4	6	16.3	15.7	14.9	14.9	0.1	21.6	24.0	2.44
HT/VHT20 STBC, M0 to M7	2	6	17.2	16.9			0.1	20.1	24.0	3.88
HT/VHT20 STBC, M0 to M7	3	6	15.1	14.8	13.8		0.1	19.4	24.0	4.58
HT/VHT20 STBC, M0 to M7	4	6	13.2	12.6	11.9	11.9	0.1	18.5	24.0	5.49
HE20, M0 to M9 1ss	1	6	17.5				0.1	17.6	24.0	6.43
HE20, M0 to M9 1ss	2	6	15.3	15.1			0.1	18.3	24.0	5.72
HE20, M0 to M9 2ss	2	6	17.5	17.2			0.1	20.4	24.0	3.57
HE20, M0 to M9 1ss	3	6	12.4	11.9	11.4		0.1	16.8	24.0	7.24
HE20, M0 to M9 2ss	3	6	15.3	15.1	14.2		0.1	19.7	24.0	4.27
HE20, M0 to M9 3ss	3	6	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20, M0 to M9 1ss	4	6	10.5	9.8	9.4	9.2	0.1	15.8	24.0	8.16
HE20, M0 to M9 2ss	4	6	13.6	13.0	12.2	12.2	0.1	18.9	24.0	5.12
HE20, M0 to M9 3ss	4	6	15.3	15.1	14.2	14.4	0.1	20.9	24.0	3.14
HE20, M0 to M9 4ss	4	6	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 Beam Forming, M0 to M9 1ss	2	9	15.3	15.1			0.1	18.3	21.0	2.72
HE20 Beam Forming, M0 to M9 2ss	2	6	17.5	17.2			0.1	20.4	24.0	3.57
HE20 Beam Forming, M0 to M9 1ss	3	11	12.4	11.9	11.4		0.1	16.8	19.0	2.24
HE20 Beam Forming, M0 to M9 2ss	3	8	15.3	15.1	14.2		0.1	19.7	22.0	2.27
HE20 Beam Forming, M0 to M9 3ss	3	6	17.5	17.2	16.2		0.1	21.8	24.0	2.16
HE20 Beam Forming, M0 to M9 1ss	4	12	10.5	9.8	9.4	9.2	0.1	15.8	18.0	2.16
HE20 Beam Forming, M0 to M9 2ss	4	9	13.6	13.0	12.2	12.2	0.1	18.9	21.0	2.12
HE20 Beam Forming, M0 to M9 3ss	4	7	15.3	15.1	14.2	14.4	0.1	20.9	23.0	2.14
HE20 Beam Forming, M0 to M9 4ss	4	6	16.6	16.1	15.2	15.0	0.1	21.9	24.0	2.14
HE20 STBC, M0 to M9 2ss	2	6	17.5	17.2			0.1	20.4	24.0	3.57

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	HE20 STBC, M0 to M9 2ss	3	6	15.3	15.1	14.2		0.1	19.7	24.0	4.27
	HE20 STBC, M0 to M9 2ss	4	6	13.6	13.0	12.2	12.2	0.1	18.9	24.0	5.12
	Non HT40, 6 to 54 Mbps	1	6	12.9				0.1	13.0	24.0	11.05
	Non HT40, 6 to 54 Mbps	2	6	12.0	12.2			0.1	15.2	24.0	8.84
	Non HT40, 6 to 54 Mbps	3	6	12.0	12.2	11.2		0.1	16.6	24.0	7.36
	Non HT40, 6 to 54 Mbps	4	6	12.0	12.2	11.2	11.0	0.1	17.7	24.0	6.30
	HT/VHT40, M0 to M7	1	6	13.2				0.1	13.3	24.0	10.75
	HT/VHT40, M0 to M7	2	6	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40, M8 to M15	2	6	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40, M0 to M7	3	6	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M8 to M15	3	6	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M16 to M23	3	6	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40, M0 to M7	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HT/VHT40, M8 to M15	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HT/VHT40, M16 to M23	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HT/VHT40, M24 to M31	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HT/VHT40 Beam Forming, M0 to M7	2	9	12.2	12.3			0.1	15.3	21.0	5.69
	HT/VHT40 Beam Forming, M8 to M15	2	6	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40 Beam Forming, M0 to M7	3	11	10.1	10.1	9.2		0.1	14.6	19.0	4.36
	HT/VHT40 Beam Forming, M8 to M15	3	8	12.2	12.3	11.1		0.1	16.7	22.0	5.28
	HT/VHT40 Beam Forming, M16 to M23	3	6	13.2	13.4	11.9		0.1	17.7	24.0	6.29
5310	HT/VHT40 Beam Forming, M0 to M7	4	12	9.1	9.2	8.3	7.8	0.1	14.7	18.0	3.29
Ψ,	HT/VHT40 Beam Forming, M8 to M15	4	9	11.0	11.4	10.1	9.7	0.1	16.7	21.0	4.32
	HT/VHT40 Beam Forming, M16 to M23	4	7	12.2	12.3	11.1	11.0	0.1	17.8	23.0	5.24
	HT/VHT40 Beam Forming, M24 to M31	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HT/VHT40 STBC, M0 to M7	2	6	13.2	13.4			0.1	16.4	24.0	7.64
	HT/VHT40 STBC, M0 to M7	3	6	13.2	13.4	11.9		0.1	17.7	24.0	6.29
	HT/VHT40 STBC, M0 to M7	4	6	12.2	12.3	11.1	11.0	0.1	17.8	24.0	6.24
	HE40, M0 to M9 1ss	1	6	12.4				0.1	12.5	24.0	11.53
	HE40, M0 to M9 1ss	2	6	12.4	12.5			0.1	15.5	24.0	8.47
	HE40, M0 to M9 2ss	2	6	12.4	12.5			0.1	15.5	24.0	8.47
	HE40, M0 to M9 1ss	3	6	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 2ss	3	6	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 3ss	3	6	12.4	12.5	11.2		0.1	16.9	24.0	7.09
	HE40, M0 to M9 1ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 2ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 3ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40, M0 to M9 4ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
	HE40 Beam Forming, M0 to M9 1ss	2	9	11.3	11.6			0.1	14.5	21.0	6.47
	HE40 Beam Forming, M0 to M9 2ss	2	6	12.4	12.5			0.1	15.5	24.0	8.47
	HE40 Beam Forming, M0 to M9 1ss	3	11	10.4	10.3	9.4		0.1	14.9	19.0	4.10

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HE40 Beam Forming, M0 to M9 3ss 3 6 12.4 12.5 11.2 0.1 16.9 24.0 7.0												
HE40 Beam Forming, M0 to M9 1ss		HE40 Beam Forming, M0 to M9 2ss	3	8	11.3	11.6	10.3		0.1	15.9	22.0	6.06
HE40 Beam Forming, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	3	6	12.4	12.5	11.2		0.1	16.9	24.0	7.09
HE40 Beam Forming, M0 to M9 3ss		HE40 Beam Forming, M0 to M9 1ss	4	12	8.1	8.4	7.4	7.1	0.1	13.9	18.0	4.13
HE40 Beam Forming, M0 to M9 4ss		HE40 Beam Forming, M0 to M9 2ss	4	9	10.4	10.3	9.4	9.2	0.1	15.9	21.0	5.05
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	4	7	11.3	11.6	10.3	9.9	0.1	16.9	23.0	6.08
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 4ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	2	6	12.4	12.5			0.1	15.5	24.0	8.47
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	3	6	12.4	12.5	11.2		0.1	16.9	24.0	7.09
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	4	6	12.4	12.5	11.2	11.1	0.1	17.9	24.0	6.06
Non HT20, 6 to 54 Mbps												
Non HT20, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	1	6	15.9				0.1	16.0	24.0	8.05
Non HT20, 6 to 54 Mbps			2	6	14.9	14.6			0.1	17.8	24.0	6.19
Non HT20 Beam Forming, 6 to 54 Mbps 2 9 14.9 14.6		Non HT20, 6 to 54 Mbps	3	6	12.0	11.5	11.1		0.1	16.4	24.0	7.63
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	4	6	9.9	9.3	9.0	8.8	0.1	15.3	24.0	8.66
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20 Beam Forming, 6 to 54 Mbps	2	9	14.9	14.6			0.1	17.8	21.0	3.19
HT/VHT20, M0 to M7 1 6 15.0 HT/VHT20, M0 to M7 2 6 15.0 HT/VHT20, M8 to M15 3 6 11.9 HT/VHT20, M8 to M15 3 6 15.0 HT/VHT20, M8 to M15 3 6 15.0 HT/VHT20, M8 to M15 3 6 15.0 HT/VHT20, M16 to M23 3 6 15.0 HT/VHT20, M16 to M23 3 6 15.0 HT/VHT20, M8 to M15 4 6 13.0 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 4 6 14.0 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 4 6 14.0 HT/VHT20, M16 to M23 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M24 to M31 HT/VHT20 Beam Forming, M24 to M31 HT/VHT20 STBC, M0 to M7 HT/		Non HT20 Beam Forming, 6 to 54 Mbps	3	11	12.0	11.5	11.1		0.1	16.4	19.0	2.63
HT/VHT20, M0 to M7		Non HT20 Beam Forming, 6 to 54 Mbps	4	12	9.9	9.3	9.0	8.8	0.1	15.3	18.0	2.66
HT/VHT20, M8 to M15		HT/VHT20, M0 to M7	1	6	15.0				0.1	15.1	24.0	8.95
HT/VHT20, M0 to M7		HT/VHT20, M0 to M7	2	6	15.0	14.8			0.1	18.0	24.0	6.04
HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20, M0 to M7 4 6 9.9 9.4 9.1 8.9 0.1 15.4 24.0 8.5 HT/VHT20, M8 to M15 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HT/VHT20, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 Beam Forming, M0 to M7 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 Beam Forming, M8 to M15 4 6 15.0 14.8 0.1 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 Beam Forming, M8 to M15 4 6 15.0 14.8 0.1 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 Beam Forming, M8 to M15 4 6 15.0 14.8 0.1 13.4 12.9 13.0 0.1 18.0 24.0 6.0 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M8 to M15 3 8 14.0 13.4 12.9 0.1 18.3 22.0 3.7 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 STBC, M0 to M7 HT/VHT20 STB		HT/VHT20, M8 to M15	2	6	15.0	14.8			0.1	18.0	24.0	6.04
HT/VHT20, M16 to M23		HT/VHT20, M0 to M7	3	6	11.9	11.4	11.1		0.1	16.3	24.0	7.70
HT/VHT20, M0 to M7		HT/VHT20, M8 to M15	3	6	15.0	14.8	14.1		0.1	19.5	24.0	4.53
HT/VHT20, M8 to M15		HT/VHT20, M16 to M23	3	6	15.0	14.8	14.1		0.1	19.5	24.0	4.53
HT/VHT20, M16 to M23		HT/VHT20, M0 to M7	4	6	9.9	9.4	9.1	8.9	0.1	15.4	24.0	8.59
HT/VHT20 Beam Forming, M0 to M7 2 9 14.0 13.4 0.1 16.8 21.0 4.2 HT/VHT20 Beam Forming, M8 to M15 2 6 15.0 14.8 0.1 18.0 24.0 6.0 HT/VHT20 Beam Forming, M0 to M7 3 11 11.9 11.4 11.1 0.1 16.3 19.0 2.7 HT/VHT20 Beam Forming, M8 to M15 3 8 14.0 13.4 12.9 0.1 18.3 22.0 3.7 HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 <td< td=""><td></td><td>HT/VHT20, M8 to M15</td><td>4</td><td>6</td><td>13.0</td><td>12.5</td><td>11.9</td><td>12.0</td><td>0.1</td><td>18.4</td><td>24.0</td><td>5.55</td></td<>		HT/VHT20, M8 to M15	4	6	13.0	12.5	11.9	12.0	0.1	18.4	24.0	5.55
HT/VHT20 Beam Forming, M0 to M7 2 9 14.0 13.4 0.1 16.8 21.0 4.2 HT/VHT20 Beam Forming, M8 to M15 2 6 15.0 14.8 0.1 18.0 24.0 6.0 HT/VHT20 Beam Forming, M0 to M7 3 11 11.9 11.4 11.1 0.1 16.3 19.0 2.7 HT/VHT20 Beam Forming, M8 to M15 3 8 14.0 13.4 12.9 0.1 18.3 22.0 3.7 HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 <td< td=""><td>20</td><td>HT/VHT20, M16 to M23</td><td>4</td><td>6</td><td>14.0</td><td>13.4</td><td>12.9</td><td>13.0</td><td>0.1</td><td>19.4</td><td>24.0</td><td>4.58</td></td<>	20	HT/VHT20, M16 to M23	4	6	14.0	13.4	12.9	13.0	0.1	19.4	24.0	4.58
HT/VHT20 Beam Forming, M8 to M15 2 6 15.0 14.8 0.1 18.0 24.0 6.0 HT/VHT20 Beam Forming, M0 to M7 3 11 11.9 11.4 11.1 0.1 16.3 19.0 2.7 HT/VHT20 Beam Forming, M8 to M15 3 8 14.0 13.4 12.9 0.1 18.3 22.0 3.7 HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M0 to M7 4 12 9.9 9.4 9.1 8.9 0.1 15.4 18.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 1	53,	HT/VHT20, M24 to M31	4	6	14.0	13.4	12.9	13.0	0.1	19.4	24.0	4.58
HT/VHT20 Beam Forming, M0 to M7 3 11 11.9 11.4 11.1 0.1 16.3 19.0 2.7 HT/VHT20 Beam Forming, M8 to M15 3 8 14.0 13.4 12.9 0.1 18.3 22.0 3.7 HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M0 to M7 4 12 9.9 9.4 9.1 8.9 0.1 15.4 18.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7		HT/VHT20 Beam Forming, M0 to M7	2	9	14.0	13.4			0.1	16.8	21.0	4.23
HT/VHT20 Beam Forming, M8 to M15 3 8 14.0 13.4 12.9 0.1 18.3 22.0 3.7 HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M0 to M7 4 12 9.9 9.4 9.1 8.9 0.1 15.4 18.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss <td></td> <td>HT/VHT20 Beam Forming, M8 to M15</td> <td>2</td> <td>6</td> <td>15.0</td> <td>14.8</td> <td></td> <td></td> <td>0.1</td> <td>18.0</td> <td>24.0</td> <td>6.04</td>		HT/VHT20 Beam Forming, M8 to M15	2	6	15.0	14.8			0.1	18.0	24.0	6.04
HT/VHT20 Beam Forming, M16 to M23 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 Beam Forming, M0 to M7 4 12 9.9 9.4 9.1 8.9 0.1 15.4 18.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		HT/VHT20 Beam Forming, M0 to M7	3	11	11.9	11.4	11.1		0.1	16.3	19.0	2.70
HT/VHT20 Beam Forming, M0 to M7 4 12 9.9 9.4 9.1 8.9 0.1 15.4 18.0 2.5 HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		HT/VHT20 Beam Forming, M8 to M15	3	8	14.0	13.4	12.9		0.1	18.3	22.0	3.72
HT/VHT20 Beam Forming, M8 to M15 4 9 13.0 12.5 11.9 12.0 0.1 18.4 21.0 2.5 HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		HT/VHT20 Beam Forming, M16 to M23	3	6	15.0	14.8	14.1		0.1	19.5	24.0	4.53
HT/VHT20 Beam Forming, M16 to M23 4 7 14.0 13.4 12.9 13.0 0.1 19.4 23.0 3.5 HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 14.1 0.1 19.5 24.0 6.0 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		HT/VHT20 Beam Forming, M0 to M7	4	12	9.9	9.4	9.1	8.9	0.1	15.4	18.0	2.59
HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 0.1 18.0 24.0 6.0 HT/VHT20 STBC, M0 to M7 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		HT/VHT20 Beam Forming, M8 to M15	4	9	13.0	12.5	11.9	12.0	0.1	18.4	21.0	2.55
HT/VHT20 Beam Forming, M24 to M31 4 6 14.0 13.4 12.9 13.0 0.1 19.4 24.0 4.5 HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 0.1 18.0 24.0 6.0 HT/VHT20 STBC, M0 to M7 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		HT/VHT20 Beam Forming, M16 to M23	4	7	14.0	13.4	12.9	13.0	0.1	19.4	23.0	3.58
HT/VHT20 STBC, M0 to M7 2 6 15.0 14.8 0.1 18.0 24.0 6.0 HT/VHT20 STBC, M0 to M7 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5												4.58
HT/VHT20 STBC, M0 to M7 3 6 15.0 14.8 14.1 0.1 19.5 24.0 4.5 HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5												6.04
HT/VHT20 STBC, M0 to M7 4 6 13.0 12.5 11.9 12.0 0.1 18.4 24.0 5.5 HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5							14.1					4.53
HE20, M0 to M9 1ss 1 6 14.4 0.1 14.5 24.0 9.5		·						12.0				5.55
			1	6								9.53
		HE20, M0 to M9 1ss	2	6	14.4	13.8			0.1	17.2	24.0	6.81
		·										6.81

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	HE20, M0 to M9 1ss	3	6	12.1	11.8	11.5		0.1	16.6	24.0	7.35
	HE20, M0 to M9 2ss	3	6	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20, M0 to M9 3ss	3	6	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20, M0 to M9 1ss	4	6	10.2	9.6	9.4	9.3	0.1	15.7	24.0	8.27
	HE20, M0 to M9 2ss	4	6	13.2	12.8	12.2	12.3	0.1	18.7	24.0	5.27
	HE20, M0 to M9 3ss	4	6	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20, M0 to M9 4ss	4	6	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 Beam Forming, M0 to M9 1ss	2	9	13.2	12.8			0.1	16.1	21.0	4.92
	HE20 Beam Forming, M0 to M9 2ss	2	6	14.4	13.8			0.1	17.2	24.0	6.81
	HE20 Beam Forming, M0 to M9 1ss	3	11	12.1	11.8	11.5		0.1	16.6	19.0	2.35
	HE20 Beam Forming, M0 to M9 2ss	3	8	13.2	12.8	12.2		0.1	17.6	22.0	4.41
	HE20 Beam Forming, M0 to M9 3ss	3	6	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20 Beam Forming, M0 to M9 1ss	4	12	10.2	9.6	9.4	9.3	0.1	15.7	18.0	2.27
	HE20 Beam Forming, M0 to M9 2ss	4	9	13.2	12.8	12.2	12.3	0.1	18.7	21.0	2.27
	HE20 Beam Forming, M0 to M9 3ss	4	7	13.2	12.8	12.2	12.3	0.1	18.7	23.0	4.27
	HE20 Beam Forming, M0 to M9 4ss	4	6	14.4	13.8	13.3	13.4	0.1	19.8	24.0	4.16
	HE20 STBC, M0 to M9 2ss	2	6	14.4	13.8			0.1	17.2	24.0	6.81
	HE20 STBC, M0 to M9 2ss	3	6	14.4	13.8	13.3		0.1	18.7	24.0	5.30
	HE20 STBC, M0 to M9 2ss	4	6	13.2	12.8	12.2	12.3	0.1	18.7	24.0	5.27
	Non HT160, 6 to 54 Mbps	1	6	9.8				0.1	9.9	24.0	14.15
	Non HT160, 6 to 54 Mbps	2	6	9.8	9.7			0.1	12.8	24.0	11.19
	Non HT160, 6 to 54 Mbps	3	6	9.8	9.7	8.9		0.1	14.3	24.0	9.69
	Non HT160, 6 to 54 Mbps	4	6	9.8	9.7	8.9	9.0	0.1	15.4	24.0	8.56
	VHT160, M0 to M9 1ss	1	6	10.6				0.1	10.7	24.0	13.35
	VHT160, M0 to M9 1ss	2	6	10.6	10.7			0.1	13.7	24.0	10.29
	VHT160, M0 to M9 2ss	2	6	10.6	10.7			0.1	13.7	24.0	10.29
	VHT160, M0 to M9 1ss	3	6	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160, M0 to M9 2ss	3	6	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160, M0 to M9 3ss	3	6	10.6	10.7	9.6		0.1	15.2	24.0	8.85
20	VHT160, M0 to M9 1ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76
5250	VHT160, M0 to M9 2ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76
	VHT160, M0 to M9 3ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76
	VHT160, M0 to M9 4ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76
	VHT160 Beam Forming, M0 to M9 1ss	2	9	9.6	9.4			0.1	12.6	21.0	8.43
	VHT160 Beam Forming, M0 to M9 2ss	2	6	10.6	10.7			0.1	13.7	24.0	10.29
	VHT160 Beam Forming, M0 to M9 1ss	3	11	8.6	8.3	7.9		0.1	13.1	19.0	5.90
	VHT160 Beam Forming, M0 to M9 2ss	3	8	9.6	9.4	8.8		0.1	14.1	22.0	7.89
	VHT160 Beam Forming, M0 to M9 3ss	3	6	10.6	10.7	9.6		0.1	15.2	24.0	8.85
	VHT160 Beam Forming, M0 to M9 1ss	4	12	7.7	7.4	7.0	6.8	0.1	13.3	18.0	4.69
	VHT160 Beam Forming, M0 to M9 2ss	4	9	8.6	8.3	7.9	7.5	0.1	14.2	21.0	6.83
	VHT160 Beam Forming, M0 to M9 3ss	4	7	9.6	9.4	8.8	8.8	0.1	15.2	23.0	7.76
	,										

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VHT160 Beam Forming, M0 to M9 4ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76
VHT160 STBC, M0 to M9 1ss	2	6	10.6	10.7			0.1	13.7	24.0	10.29
VHT160 STBC, M0 to M9 1ss	3	6	10.6	10.7	9.6		0.1	15.2	24.0	8.85
VHT160 STBC, M0 to M9 1ss	4	6	9.6	9.4	8.8	8.8	0.1	15.2	24.0	8.76
HE160, M0 to M9 1ss	1	6	12.9				0.1	13.0	24.0	11.03
HE160, M0 to M9 1ss	2	6	11.8	11.6			0.1	14.8	24.0	9.22
HE160, M0 to M9 2ss	2	6	11.8	11.6			0.1	14.8	24.0	9.22
HE160, M0 to M9 1ss	3	6	11.8	11.6	10.9		0.1	16.3	24.0	7.71
HE160, M0 to M9 2ss	3	6	11.8	11.6	10.9		0.1	16.3	24.0	7.71
HE160, M0 to M9 3ss	3	6	11.8	11.6	10.9		0.1	16.3	24.0	7.71
HE160, M0 to M9 1ss	4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
HE160, M0 to M9 2ss	4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
HE160, M0 to M9 3ss	4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
HE160, M0 to M9 4ss	4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
HE160 Beam Forming, M0 to M9 1ss	2	9	10.9	10.7			0.1	13.9	21.0	7.12
HE160 Beam Forming, M0 to M9 2ss	2	6	11.8	11.6			0.1	14.8	24.0	9.22
HE160 Beam Forming, M0 to M9 1ss	3	11	9.8	9.6	8.9		0.1	14.3	19.0	4.71
HE160 Beam Forming, M0 to M9 2ss	3	8	10.9	10.7	10.0		0.1	15.4	22.0	6.61
HE160 Beam Forming, M0 to M9 3ss	3	6	11.8	11.6	10.9		0.1	16.3	24.0	7.71
HE160 Beam Forming, M0 to M9 1ss	4	12	8.8	8.7	8.2	7.8	0.1	14.5	18.0	3.52
HE160 Beam Forming, M0 to M9 2ss	4	9	9.8	9.6	8.9	8.9	0.1	15.4	21.0	5.59
HE160 Beam Forming, M0 to M9 3ss	4	7	10.9	10.7	10.0	10.0	0.1	16.5	23.0	6.49
HE160 Beam Forming, M0 to M9 4ss	4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57
HE160 STBC, M0 to M9 1ss	2	6	11.8	11.6			0.1	14.8	24.0	9.22
HE160 STBC, M0 to M9 1ss	3	6	11.8	11.6	10.9		0.1	16.3	24.0	7.71
HE160 STBC, M0 to M9 1ss	4	6	11.8	11.6	10.9	11.0	0.1	17.4	24.0	6.57

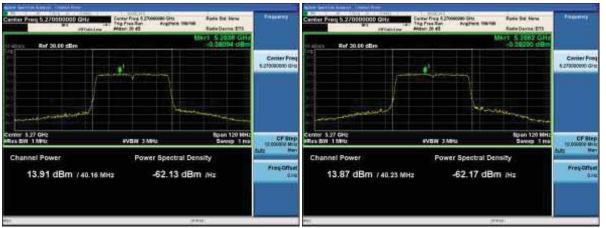
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Maximum Transmit Output Power, 5270 MHz, HT/VHT40 Beam Forming, M8 to M15



Antenna A Antenna B



Antenna C Antenna D



A.4 Power Spectral Density

Power Spectral Density Test Requirement

15.407 (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.407 (5) The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Referencing "644545 D03 Guidance for IEEE 802.11ac v01", covering signals that cross the boundary between two adjacent UNII bands, the FCC describes a procedure to measure EBW, power, and PSD in each UNII band. For the case of a 160MHz signal equally distributed between UNII-1 and UNII-2a, we apply the following alternate procedure. Rather than measure:

- The half of the signal in UNII-1, measured against the 30dBm power / 17dBm/MHz PSD limits
- The half of the signal in UNII-2a, measured against the 24dBm power / 11dBm/MHz PSD limits

If a 160MHz signal (equally distributed between the two bands) produces a total power of 27dBm across the entire 160 MHz EBW, the total power in each band would be half of the total, or 24dBm (which meets both the UNII-1 and UNII-2a limits), and would have a PSD no greater than 11dBm/MHz in either sub-band.

Given these facts, we have measured the complete 160 MHz EBW (across both sub-bands) against 27dBm power and 11dBm/MHz PSD limits, rather than individual sub band measurements against the individual sub band limits."

Power Spectral Density Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01 F. Maximum Power Spectral Density (PSD)

Power Spectral Density

Test Procedure

The rules requires "maximum power spectral density" measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

- 1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
- 2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3. Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.
- b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
- 4. The result is the Maximum PSD over 1 MHz reference bandwidth.

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Ref. KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA), (d) Method SA-2

Power Spectral Density

Test parameters

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (i) Measure the duty cycle, x, of the transmitter output signal as described in section II.B.
- (ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (iii) Set RBW = 1 MHz.
- (iv) Set $VBW \ge 3$ MHz.
- (v) Number of points in sweep \geq 2 Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (vi) Sweep time = auto.
- (vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (viii) Do not use sweep triggering. Allow the sweep to "free run".
- (ix) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
- (x) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth)

F. Maximum Power Spectral Density (PSD)

- 2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3. Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. (See ANSI C63.10 section 14.3.2.2)

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
4	EUT	S01	\checkmark	
1	Support			\checkmark

Tested By:	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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	Power Spectral Density										
Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 PSD (dBm/MHz)	Tx 2 PSD (dBm/MHz)	Tx 3 PSD (dBm/MHz)	Tx 4 PSD (dBm/MHz)	Duty Cycle Correction (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	6	6.4				0.1	6.5	11.0	4.55
	Non HT20, 6 to 54 Mbps	2	9	4.3	4.0			0.1	7.2	8.0	0.79
	Non HT20, 6 to 54 Mbps	3	11	1.2	0.6	0.1		0.1	5.5	6.0	0.52
	Non HT20, 6 to 54 Mbps	4	12	-0.9	-1.5	-1.6	-2.2	0.1	4.5	5.0	0.45
	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	4.3	4.0			0.1	7.2	8.0	0.79
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	1.2	0.6	0.1		0.1	5.5	6.0	0.52
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-0.9	-1.5	-1.6	-2.2	0.1	4.5	5.0	0.45
	HT/VHT20, M0 to M7	1	6	6.0				0.1	6.1	11.0	4.95
	HT/VHT20, M0 to M7	2	9	4.9	4.5			0.1	7.8	8.0	0.23
	HT/VHT20, M8 to M15	2	6	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20, M0 to M7	3	11	0.8	0.4	-0.3		0.1	5.1	6.0	0.85
	HT/VHT20, M8 to M15	3	8	3.9	3.7	2.9		0.1	8.3	9.0	0.66
	HT/VHT20, M16 to M23	3	6	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20, M0 to M7	4	12	-1.3	-1.6	-2.1	-2.3	0.1	4.3	5.0	0.73
	HT/VHT20, M8 to M15	4	9	2.0	1.4	0.6	0.4	0.1	7.2	8.0	0.78
5260	HT/VHT20, M16 to M23	4	7	3.9	3.7	2.9	2.5	0.1	9.4	10.0	0.64
Ψ,	HT/VHT20, M24 to M31	4	6	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 Beam Forming, M0 to M7	2	9	4.9	4.5			0.1	7.8	8.0	0.23
	HT/VHT20 Beam Forming, M8 to M15	2	6	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20 Beam Forming, M0 to M7	3	11	0.8	0.4	-0.3		0.1	5.1	6.0	0.85
	HT/VHT20 Beam Forming, M8 to M15	3	8	3.9	3.7	2.9		0.1	8.3	9.0	0.66
	HT/VHT20 Beam Forming, M16 to M23	3	6	6.0	6.1	4.7		0.1	10.5	11.0	0.53
	HT/VHT20 Beam Forming, M0 to M7	4	12	-1.3	-1.6	-2.1	-2.3	0.1	4.3	5.0	0.73
	HT/VHT20 Beam Forming, M8 to M15	4	9	2.0	1.4	0.6	0.4	0.1	7.2	8.0	0.78
	HT/VHT20 Beam Forming, M16 to M23	4	7	3.9	3.7	2.9	2.5	0.1	9.4	10.0	0.64
	HT/VHT20 Beam Forming, M24 to M31	4	6	4.9	4.5	3.9	3.4	0.1	10.3	11.0	0.71
	HT/VHT20 STBC, M0 to M7	2	6	6.0	6.1			0.1	9.1	11.0	1.89
	HT/VHT20 STBC, M0 to M7	3	8	3.9	3.7	2.9		0.1	8.3	9.0	0.66
	HT/VHT20 STBC, M0 to M7	4	9	2.0	1.4	0.6	0.4	0.1	7.2	8.0	0.78
	HE20, M0 to M9 1ss	1	6	6.0				0.1	6.1	11.0	4.93
	HE20, M0 to M9 1ss	2	9	4.3	3.5			0.1	7.0	8.0	1.00

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	HE20, M0 to M9 2ss HE20, M0 to M9 1ss HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 1ss HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 3ss HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 3ss	2 3 3 4 4 4 2 2 2 3 3 4 4 4	6 11 8 6 12 9 7 6 9 6 11 8 6	6.0 1.2 4.3 6.0 -0.8 2.2 4.3 5.0 4.3 6.0 1.2 4.3 6.0	5.7 0.2 3.5 5.7 -1.7 1.3 3.5 4.9 3.5 5.7 0.2 3.5	0.1 2.7 4.7 -1.8 0.8 2.7 4.2	-2.0 0.9 2.7 3.4	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	8.9 5.4 8.4 10.3 4.5 7.4 9.4 10.5 7.0 8.9	11.0 6.0 9.0 11.0 5.0 8.0 11.0 8.0 11.0	2.07 0.63 0.61 0.66 0.46 0.58 0.56 0.49 1.00 2.07
	HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 1ss HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 4ss HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss	3 3 4 4 4 2 2 3 3 3 4 4	8 6 12 9 7 6 9 6 11 8	4.3 6.0 -0.8 2.2 4.3 5.0 4.3 6.0 1.2	3.5 5.7 -1.7 1.3 3.5 4.9 3.5 5.7 0.2	2.7 4.7 -1.8 0.8 2.7 4.2	0.9 2.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	8.4 10.3 4.5 7.4 9.4 10.5 7.0	9.0 11.0 5.0 8.0 10.0 11.0 8.0	0.61 0.66 0.46 0.58 0.56 0.49
	HE20, M0 to M9 3ss HE20, M0 to M9 1ss HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss	3 4 4 4 2 2 3 3 3 4 4	6 12 9 7 6 9 6 11 8	6.0 -0.8 2.2 4.3 5.0 4.3 6.0 1.2 4.3	5.7 -1.7 1.3 3.5 4.9 3.5 5.7 0.2	4.7 -1.8 0.8 2.7 4.2	0.9 2.7	0.1 0.1 0.1 0.1 0.1 0.1 0.1	10.3 4.5 7.4 9.4 10.5 7.0	11.0 5.0 8.0 10.0 11.0 8.0	0.66 0.46 0.58 0.56 0.49
	HE20, M0 to M9 1ss HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	4 4 4 2 2 3 3 3 4 4	12 9 7 6 9 6 11 8	-0.8 2.2 4.3 5.0 4.3 6.0 1.2 4.3	-1.7 1.3 3.5 4.9 3.5 5.7 0.2	-1.8 0.8 2.7 4.2	0.9 2.7	0.1 0.1 0.1 0.1 0.1 0.1	4.5 7.4 9.4 10.5 7.0	5.0 8.0 10.0 11.0 8.0	0.46 0.58 0.56 0.49 1.00
	HE20, M0 to M9 2ss HE20, M0 to M9 3ss HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss	4 4 2 2 3 3 3 4 4	9 7 6 9 6 11 8 6	2.2 4.3 5.0 4.3 6.0 1.2 4.3	1.3 3.5 4.9 3.5 5.7 0.2	0.8 2.7 4.2	0.9 2.7	0.1 0.1 0.1 0.1 0.1	7.4 9.4 10.5 7.0	8.0 10.0 11.0 8.0	0.58 0.56 0.49 1.00
	HE20, M0 to M9 3ss HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	4 4 2 2 3 3 3 4 4	7 6 9 6 11 8 6	4.3 5.0 4.3 6.0 1.2 4.3	3.5 4.9 3.5 5.7 0.2	2.7 4.2	2.7	0.1 0.1 0.1 0.1	9.4 10.5 7.0	10.0 11.0 8.0	0.56 0.49 1.00
	HE20, M0 to M9 4ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss	4 2 2 3 3 3 4 4	6 9 6 11 8 6	5.0 4.3 6.0 1.2 4.3	4.9 3.5 5.7 0.2	4.2		0.1 0.1 0.1	10.5 7.0	11.0 8.0	0.49 1.00
	HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	2 3 3 3 4 4	9 6 11 8 6	4.3 6.0 1.2 4.3	3.5 5.7 0.2		3.4	0.1 0.1	7.0	8.0	1.00
	HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	2 3 3 4 4	6 11 8 6	6.0 1.2 4.3	5.7 0.2	0.1		0.1			
	HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	3 3 4 4	11 8 6	1.2 4.3	0.2	0.1			8.9	11.0	2.07
11111	HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	3 3 4 4	8 6	4.3		0.1					01
111111	HE20 Beam Forming, M0 to M9 3ss HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	3 4 4	6		3.5			0.1	5.4	6.0	0.63
H H H	HE20 Beam Forming, M0 to M9 1ss HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	4		6.0		2.7		0.1	8.4	9.0	0.61
H H H	HE20 Beam Forming, M0 to M9 2ss HE20 Beam Forming, M0 to M9 3ss	4	12	0.0	5.7	4.7		0.1	10.3	11.0	0.66
H H H	HE20 Beam Forming, M0 to M9 3ss	-		-0.8	-1.7	-1.8	-2.0	0.1	4.5	5.0	0.46
H	<u> </u>	1	9	2.2	1.3	0.8	0.9	0.1	7.4	8.0	0.58
Н	HE20 Beam Forming, M0 to M9 4ss	4	7	4.3	3.5	2.7	2.7	0.1	9.4	10.0	0.56
		4	6	5.0	4.9	4.2	3.4	0.1	10.5	11.0	0.49
Н	HE20 STBC, M0 to M9 2ss	2	6	6.0	5.7			0.1	8.9	11.0	2.07
	HE20 STBC, M0 to M9 2ss	3	8	4.3	3.5	2.7		0.1	8.4	9.0	0.61
H	HE20 STBC, M0 to M9 2ss	4	9	2.2	1.3	0.8	0.9	0.1	7.4	8.0	0.58
N	Non HT40, 6 to 54 Mbps	1	6	3.6				0.0	3.6	11.0	7.36
N	Non HT40, 6 to 54 Mbps	2	9	3.6	3.9			0.0	6.8	8.0	1.19
N	Non HT40, 6 to 54 Mbps	3	11	1.1	2.1	-0.1		0.0	5.9	6.0	0.06
N	Non HT40, 6 to 54 Mbps	4	12	-0.7	-0.2	-2.2	-1.9	0.0	4.9	5.0	0.11
H	HT/VHT40, M0 to M7	1	6	2.7				0.1	2.8	11.0	8.20
H	HT/VHT40, M0 to M7	2	9	2.7	3.6			0.1	6.3	8.0	1.71
H	HT/VHT40, M8 to M15	2	6	2.7	3.6			0.1	6.3	11.0	4.71
H	HT/VHT40, M0 to M7	3	11	1.2	1.5	-0.4		0.1	5.7	6.0	0.28
H	HT/VHT40, M8 to M15	3	8	2.7	3.6	1.9		0.1	7.7	9.0	1.34
H	HT/VHT40, M16 to M23	3	6	2.7	3.6	1.9		0.1	7.7	11.0	3.34
5270 <u>T</u> :	HT/VHT40, M0 to M7	4	12	-1.0	-0.8	-2.2	-2.5	0.1	4.6	5.0	0.44
H	HT/VHT40, M8 to M15	4	9	2.0	2.5	1.3	0.9	0.1	7.8	8.0	0.16
Н	HT/VHT40, M16 to M23	4	7	2.7	3.6	1.9	1.7	0.1	8.7	10.0	1.34
Н	HT/VHT40, M24 to M31	4	6	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40 Beam Forming, M0 to M7	2	9	2.7	3.6			0.1	6.3	8.0	1.71
	HT/VHT40 Beam Forming, M8 to M15	2	6	2.7	3.6			0.1	6.3	11.0	4.71
	HT/VHT40 Beam Forming, M0 to M7	3	11	0.4	0.2	-1.4		0.1	4.7	6.0	1.32
	<u> </u>	3	8	2.7	3.6	1.9		0.1	7.7	9.0	1.34
		-	6								3.34
	HT/VHT40 Beam Forming, M0 to M7	4	12	-2.1	-1.8	-3.2	-3.2	0.1	3.6	5.0	1.41
H	,	4	9	1.2	1.5	-0.4	-0.4	0.1	6.7		1.31
Н	HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23	-	8								1.3
	11/VIT 140 Bearn Forming, IVIU to IVI/	=								5.0	

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F	HT/VHT40 Beam Forming, M16 to M23	4	7	2.7	3.6	1.9	1.7	0.1	8.7	10.0	4 -
	LITA/LITAO De cons. Formational MOA to MOA				5.0	1.5	1.7	0.1	0.7	10.0	1.34
H	HT/VHT40 Beam Forming, M24 to M31	4	6	2.7	3.6	1.9	1.7	0.1	8.7	11.0	2.34
	HT/VHT40 STBC, M0 to M7	2	6	2.7	3.6			0.1	6.3	11.0	4.71
<u> </u>	HT/VHT40 STBC, M0 to M7	3	8	2.7	3.6	1.9		0.1	7.7	9.0	1.34
l ŀ	HT/VHT40 STBC, M0 to M7	4	9	1.2	1.5	-0.4	-0.4	0.1	6.7	8.0	1.31
ŀ	HE40, M0 to M9 1ss	1	6	3.1				0.1	3.2	11.0	7.77
ŀ	HE40, M0 to M9 1ss	2	9	3.1	3.5			0.1	6.4	8.0	1.56
ŀ	HE40, M0 to M9 2ss	2	6	3.1	3.5			0.1	6.4	11.0	4.56
ŀ	HE40, M0 to M9 1ss	3	11	1.2	1.6	-0.3		0.1	5.8	6.0	0.20
ŀ	HE40, M0 to M9 2ss	3	8	3.1	3.5	1.6		0.1	7.7	9.0	1.30
ŀ	HE40, M0 to M9 3ss	3	6	3.1	3.5	1.6		0.1	7.7	11.0	3.30
F	HE40, M0 to M9 1ss	4	12	-0.8	-0.3	-2.2	-1.8	0.1	4.9	5.0	0.06
ŀ	HE40, M0 to M9 2ss	4	9	2.1	2.8	1.0	0.9	0.1	7.9	8.0	0.08
F	HE40, M0 to M9 3ss	4	7	3.1	3.5	1.6	2.1	0.1	8.8	10.0	1.21
ŀ	HE40, M0 to M9 4ss	4	6	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
H	HE40 Beam Forming, M0 to M9 1ss	2	9	3.1	3.5			0.1	6.4	8.0	1.56
ŀ	HE40 Beam Forming, M0 to M9 2ss	2	6	3.1	3.5			0.1	6.4	11.0	4.56
F	HE40 Beam Forming, M0 to M9 1ss	3	11	-0.8	-0.3	-2.2		0.1	3.9	6.0	2.13
H	HE40 Beam Forming, M0 to M9 2ss	3	8	2.1	2.8	1.0		0.1	6.9	9.0	2.07
ŀ	HE40 Beam Forming, M0 to M9 3ss	3	6	3.1	3.5	1.6		0.1	7.7	11.0	3.30
H	HE40 Beam Forming, M0 to M9 1ss	4	12	-2.5	-2.3	-4.0	-4.2	0.1	3.0	5.0	2.02
H	HE40 Beam Forming, M0 to M9 2ss	4	9	0.0	0.4	-1.1	-1.1	0.1	5.7	8.0	2.25
H	HE40 Beam Forming, M0 to M9 3ss	4	7	2.1	2.8	1.0	0.9	0.1	7.9	10.0	2.08
H	HE40 Beam Forming, M0 to M9 4ss	4	6	3.1	3.5	1.6	2.1	0.1	8.8	11.0	2.21
H	HE40 STBC, M0 to M9 2ss	2	6	3.1	3.5			0.1	6.4	11.0	4.56
H	HE40 STBC, M0 to M9 2ss	3	8	3.1	3.5	1.6		0.1	7.7	9.0	1.30
H	HE40 STBC, M0 to M9 2ss	4	9	1.2	1.6	-0.3	-0.3	0.1	6.8	8.0	1.22
									_	_	
ı	Non HT80, 6 to 54 Mbps	1	6	-5.1				0.1	-5.0	11.0	16.05
ı	Non HT80, 6 to 54 Mbps	2	9	-5.1	-5.2			0.1	-2.1	8.0	10.09
ı	Non HT80, 6 to 54 Mbps	3	11	-5.7	-6.2	-6.3		0.1	-1.2	6.0	7.24
ı	Non HT80, 6 to 54 Mbps	4	12	-5.7	-6.2	-6.3	-6.6	0.1	-0.1	5.0	5.12
\	VHT80, M0 to M9 1ss	1	6	-4.5				0.2	-4.3	11.0	15.28
١	VHT80, M0 to M9 1ss	2	9	-5.4	-6.1			0.2	-2.5	8.0	10.51
96 \	VHT80, M0 to M9 2ss	2	6	-5.4	-6.1			0.2	-2.5	11.0	13.51
5290	VHT80, M0 to M9 1ss	3	11	-5.4	-6.1	-6.0		0.2	-0.8	6.0	6.84
	VHT80, M0 to M9 2ss	3	8	-5.4	-6.1	-6.0		0.2	-0.8	9.0	9.84
	VHT80, M0 to M9 3ss	3	6	-5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
	VHT80, M0 to M9 1ss	4	12	-5.4	-6.1	-6.0	-6.4	0.2	0.3	5.0	4.72
	VHT80, M0 to M9 2ss	4	9	-5.4	-6.1	-6.0	-6.4	0.2	0.3	8.0	7.72
	VHT80, M0 to M9 3ss	4	7	-5.4	-6.1	-6.0	-6.4	0.2	0.3	10.0	9.72
\	VHT80, M0 to M9 4ss	4	6	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72

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NHT80 Beam Forming, M0 to M9 1ss 2 9 -6.0 -7.1 0.2 -3.3 8.0 11.28												
VHT80 Beam Forming, M0 to M9 1ss 3		VHT80 Beam Forming, M0 to M9 1ss	2	9	-6.0	-7.1			0.2	-3.3	8.0	11.29
VHT80 Beam Forming, M0 to M9 2ss 3 8 6.0 7.1 7.4 7.4 0.2 7.8 9.0 10.80		VHT80 Beam Forming, M0 to M9 2ss	2	6	-5.4	-6.1			0.2	-2.5	11.0	13.51
VHT80 Beam Forming, M0 to M9 3ss 3 6 -5.4 -6.1 -6.0 -0.2 -0.8 11.0 11.84		VHT80 Beam Forming, M0 to M9 1ss	3	11	-7.8	-8.2	-8.0		0.2	-3.0	6.0	9.01
VHT80 Beam Forming, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 2ss	3	8	-6.0	-7.1	-7.4		0.2	-1.8	9.0	10.80
VHT80 Beam Forming, M0 to M9 2ss		VHT80 Beam Forming, M0 to M9 3ss	3	6	-5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
VHT80 Beam Forming, M0 to M9 3ss		VHT80 Beam Forming, M0 to M9 1ss	4	12	-9.5	-9.8	-9.8	-10.2	0.2	-3.6	5.0	8.58
VHT80 Beam Forming, M0 to M9 4ss		VHT80 Beam Forming, M0 to M9 2ss	4	9	-7.8	-8.2	-8.0	-7.9	0.2	-1.7	8.0	9.74
VHT80 STBC, M0 to M9 1ss 2 6 -5.4 -6.1 -6.0 -6.2 -2.5 11.0 13.51		VHT80 Beam Forming, M0 to M9 3ss	4	7	-6.0	-7.1	-7.4	-7.1	0.2	-0.6	10.0	10.63
VHT80 STBC, M0 to M9 1ss		VHT80 Beam Forming, M0 to M9 4ss	4	6	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
VHT80 STBC, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	2	6	-5.4	-6.1			0.2	-2.5	11.0	13.51
HE80, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	3	6	-5.4	-6.1	-6.0		0.2	-0.8	11.0	11.84
HE80, M0 to M9 1ss		VHT80 STBC, M0 to M9 1ss	4	6	-5.4	-6.1	-6.0	-6.4	0.2	0.3	11.0	10.72
HE80, M0 to M9 2ss		HE80, M0 to M9 1ss	1	6	-5.1				0.3	-4.8	11.0	15.85
HE80, M0 to M9 1ss		HE80, M0 to M9 1ss	2	9	-5.1	-5.9			0.3	-2.2	8.0	10.22
HE80, M0 to M9 2ss		HE80, M0 to M9 2ss	2	6	-5.1	-5.9			0.3	-2.2	11.0	13.22
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	3	11	-5.1	-5.9	-5.7		0.3	-0.5	6.0	6.53
HE80, M0 to M9 1ss		HE80, M0 to M9 2ss	3	8	-5.1	-5.9	-5.7		0.3	-0.5	9.0	9.53
HE80, M0 to M9 2ss		HE80, M0 to M9 3ss	3	6	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	4	12	-5.4	-6.4	-6.4	-7.1	0.3	0.0	5.0	5.01
HE80, M0 to M9 4ss		HE80, M0 to M9 2ss	4	9	-5.4	-6.4	-6.4	-7.1	0.3	0.0	8.0	8.01
HE80 Beam Forming, M0 to M9 1ss		HE80, M0 to M9 3ss	4	7	-5.4	-6.4	-6.4	-7.1	0.3	0.0	10.0	10.01
HE80 Beam Forming, M0 to M9 2ss 2 6 -5.1 -5.9 -8.5 -8.5 -3.2 6.0 9.18 HE80 Beam Forming, M0 to M9 1ss 3 11 -7.5 -8.7 -8.0 -9.3 -9.3 -9.3 -9.3 -9.3 -9.3 -9.3 -9.3		HE80, M0 to M9 4ss	4	6	-5.4	-6.4	-6.4	-7.1	0.3	0.0	11.0	11.01
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 1ss	2	9	-5.4	-6.4			0.3	-2.6	8.0	10.61
HE80 Beam Forming, M0 to M9 2ss 3 8 -5.4 -6.4 -6.4 -6.4 0.3 -1.0 9.0 10.02 HE80 Beam Forming, M0 to M9 3ss 3 6 -5.1 -5.9 -5.7 0.3 -0.5 11.0 11.53 HE80 Beam Forming, M0 to M9 1ss 4 12 -9.1 -9.7 -9.9 -10.2 0.3 -3.4 5.0 8.44 HE80 Beam Forming, M0 to M9 2ss 4 9 -7.3 -7.6 -7.7 -8.0 0.3 -1.4 8.0 9.37 HE80 Beam Forming, M0 to M9 3ss 4 7 -5.4 -6.4 -6.4 -7.1 0.3 0.0 10.0 10.01 HE80 Beam Forming, M0 to M9 4ss 4 6 -5.4 -6.4 -6.4 -7.1 0.3 0.0 11.0 11.01 HE80 STBC, M0 to M9 1ss 2 6 -5.1 -5.9 0.3 -2.2 11.0 13.22 HE80 STBC, M0 to M9 1ss 3 6 -5.1 -5.9 -5.7 0.3 -0.5 11.0 11.53 HE80 STBC, M0 to M9 1ss 4 6 -5.4 -6.4 -6.4 -7.1 0.3 0.0 11.0 11.01 Non HT20, 6 to 54 Mbps 4 6 -5.4 -6.4 -6.4 -7.1 0.3 0.0 11.0 11.01 Non HT20, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39		HE80 Beam Forming, M0 to M9 2ss	2	6	-5.1	-5.9			0.3	-2.2	11.0	13.22
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	3	11	-7.5	-8.7	-8.5		0.3	-3.2	6.0	9.18
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 2ss	3	8	-5.4	-6.4	-6.4		0.3	-1.0	9.0	10.02
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 3ss	3	6	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	4	12	-9.1	-9.7	-9.9	-10.2	0.3	-3.4	5.0	8.44
HE80 Beam Forming, M0 to M9 4ss		HE80 Beam Forming, M0 to M9 2ss	4	9	-7.3	-7.6	-7.7	-8.0	0.3	-1.4	8.0	9.37
HE80 STBC, M0 to M9 1ss 2 6 -5.1 -5.9 0.3 -2.2 11.0 13.22 HE80 STBC, M0 to M9 1ss 3 6 -5.1 -5.9 -5.7 0.3 -0.5 11.0 11.53 HE80 STBC, M0 to M9 1ss 4 6 -5.4 -6.4 -6.4 -7.1 0.3 0.0 11.0 11.01 11.0		HE80 Beam Forming, M0 to M9 3ss	4	7	-5.4	-6.4	-6.4	-7.1	0.3	0.0	10.0	10.01
HE80 STBC, M0 to M9 1ss 3 6 -5.1 -5.9 -5.7 0.3 -0.5 11.0 11.53 HE80 STBC, M0 to M9 1ss 4 6 -5.4 -6.4 -6.4 -7.1 0.3 0.0 11.0 11.01 Non HT20, 6 to 54 Mbps 1 6 6 6.6 0.1 0.1 6.7 11.0 4.35 Non HT20, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.2 -1.6 -2.0 0.1 4.7 5.0 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39		HE80 Beam Forming, M0 to M9 4ss	4	6	-5.4	-6.4	-6.4	-7.1	0.3	0.0	11.0	11.01
HE80 STBC, M0 to M9 1ss 4 6 -5.4 -6.4 -6.4 -7.1 0.3 0.0 11.0 11.01 Non HT20, 6 to 54 Mbps 1 6 6.6 0.1 0.1 6.7 11.0 4.35 Non HT20, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.2 -1.6 -2.0 0.1 4.7 5.0 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 2 1 0.1 0.2 0.1 0.1 0.2 0.2 0.1 0.1 0.2 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 1 0.1 0.2 0.1 0.1 0.2 0.2 0.1 0.1 0.2 0.29		HE80 STBC, M0 to M9 1ss	2	6	-5.1	-5.9			0.3	-2.2	11.0	13.22
Non HT20, 6 to 54 Mbps 1 6 6.6 0.0 0.1 6.7 11.0 4.35 Non HT20, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.2 -1.6 -2.0 0.1 4.7 5.0 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39		HE80 STBC, M0 to M9 1ss	3	6	-5.1	-5.9	-5.7		0.3	-0.5	11.0	11.53
Non HT20, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.2 -1.6 -2.0 0.1 4.7 5.0 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39		HE80 STBC, M0 to M9 1ss	4	6	-5.4	-6.4	-6.4	-7.1	0.3	0.0	11.0	11.01
Non HT20, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.2 -1.6 -2.0 0.1 4.7 5.0 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39					_	_		_	_		_	
Non HT20, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.2 -1.6 -2.0 0.1 4.7 5.0 0.28 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39		Non HT20, 6 to 54 Mbps	1	6	6.6				0.1	6.7	11.0	4.35
Non HT20, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	2	9	4.0	3.9			0.1	7.0	8.0	0.99
Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39		Non HT20, 6 to 54 Mbps	3	11	1.1	1.0	0.2		0.1	5.6	6.0	0.39
Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.0 3.9 0.1 7.0 8.0 0.99 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39	300	Non HT20, 6 to 54 Mbps	4	12	-0.7	-1.2	-1.6	-2.0	0.1	4.7	5.0	0.28
Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.1 1.0 0.2 0.1 5.6 6.0 0.39	5	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	4.0	3.9			0.1	7.0	8.0	0.99
		Non HT20 Beam Forming, 6 to 54 Mbps	3	11	1.1	1.0	0.2		0.1	5.6	6.0	0.39
		Non HT20 Beam Forming, 6 to 54 Mbps	=	12			-1.6	-2.0	0.1		5.0	

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HT/VHT20, M0 to M7	1	6	6.2				0.1	6.3	11.0	4.75
HT/VHT20, M0 to M7	2	9	5.1	4.5			0.1	7.9	8.0	0.13
HT/VHT20, M8 to M15	2	6	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20, M0 to M7	3	11	0.8	0.6	0.0		0.1	5.3	6.0	0.70
HT/VHT20, M8 to M15	3	8	3.7	3.6	3.0		0.1	8.3	9.0	0.73
HT/VHT20, M16 to M23	3	6	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20, M0 to M7	4	12	-1.0	-1.7	-1.8	-2.4	0.1	4.4	5.0	0.62
HT/VHT20, M8 to M15	4	9	2.0	1.7	1.0	0.7	0.1	7.5	8.0	0.55
HT/VHT20, M16 to M23	4	7	3.7	3.6	3.0	2.8	0.1	9.4	10.0	0.64
HT/VHT20, M24 to M31	4	6	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 Beam Forming, M0 to M7	2	9	5.1	4.5			0.1	7.9	8.0	0.13
HT/VHT20 Beam Forming, M8 to M15	2	6	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20 Beam Forming, M0 to M7	3	11	8.0	0.6	0.0		0.1	5.3	6.0	0.70
HT/VHT20 Beam Forming, M8 to M15	3	8	3.7	3.6	3.0		0.1	8.3	9.0	0.73
HT/VHT20 Beam Forming, M16 to M23	3	6	6.2	5.7	4.9		0.1	10.5	11.0	0.54
HT/VHT20 Beam Forming, M0 to M7	4	12	-1.0	-1.7	-1.8	-2.4	0.1	4.4	5.0	0.62
HT/VHT20 Beam Forming, M8 to M15	4	9	2.0	1.7	1.0	0.7	0.1	7.5	8.0	0.55
HT/VHT20 Beam Forming, M16 to M23	4	7	3.7	3.6	3.0	2.8	0.1	9.4	10.0	0.64
HT/VHT20 Beam Forming, M24 to M31	4	6	5.1	4.5	3.7	3.6	0.1	10.3	11.0	0.66
HT/VHT20 STBC, M0 to M7	2	6	6.2	5.7			0.1	9.0	11.0	1.98
HT/VHT20 STBC, M0 to M7	3	8	3.7	3.6	3.0		0.1	8.3	9.0	0.73
HT/VHT20 STBC, M0 to M7	4	9	2.0	1.7	1.0	0.7	0.1	7.5	8.0	0.55
HE20, M0 to M9 1ss	1	6	6.1				0.1	6.2	11.0	4.83
HE20, M0 to M9 1ss	2	9	3.8	3.7			0.1	6.8	8.0	1.17
HE20, M0 to M9 2ss	2	6	6.1	6.3			0.1	9.3	11.0	1.72
HE20, M0 to M9 1ss	3	11	0.9	0.7	-0.1		0.1	5.4	6.0	0.64
HE20, M0 to M9 2ss	3	8	3.8	3.7	2.8		0.1	8.3	9.0	0.70
HE20, M0 to M9 3ss	3	6	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20, M0 to M9 1ss	4	12	-0.9	-1.3	-1.9	-2.3	0.1	4.5	5.0	0.48
HE20, M0 to M9 2ss	4	9	2.0	1.4	0.9	1.0	0.1	7.4	8.0	0.56
HE20, M0 to M9 3ss	4	7	3.8	3.7	2.8	3.4	0.1	9.5	10.0	0.47
HE20, M0 to M9 4ss	4	6	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 Beam Forming, M0 to M9 1ss	2	9	3.8	3.7			0.1	6.8	8.0	1.17
HE20 Beam Forming, M0 to M9 2ss	2	6	6.1	6.3			0.1	9.3	11.0	1.72
HE20 Beam Forming, M0 to M9 1ss	3	11	0.9	0.7	-0.1		0.1	5.4	6.0	0.64
HE20 Beam Forming, M0 to M9 2ss	3	8	3.8	3.7	2.8		0.1	8.3	9.0	0.70
HE20 Beam Forming, M0 to M9 3ss	3	6	6.1	6.3	4.7		0.1	10.6	11.0	0.40
HE20 Beam Forming, M0 to M9 1ss	4	12	-0.9	-1.3	-1.9	-2.3	0.1	4.5	5.0	0.48
HE20 Beam Forming, M0 to M9 2ss	4	9	2.0	1.4	0.9	1.0	0.1	7.4	8.0	0.56
HE20 Beam Forming, M0 to M9 3ss	4	7	3.8	3.7	2.8	3.4	0.1	9.5	10.0	0.47
HE20 Beam Forming, M0 to M9 4ss	4	6	5.6	5.1	3.9	4.0	0.1	10.8	11.0	0.20
HE20 STBC, M0 to M9 2ss	2	6	6.1	6.3			0.1	9.3	11.0	1.72

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	HE20 STBC, M0 to M9 2ss	3	8	3.8	3.7	2.8		0.1	8.3	9.0	0.70
	HE20 STBC, M0 to M9 2ss	4	9	2.0	1.4	0.9	1.0	0.1	7.4	8.0	0.56
<u> </u>											
	Non HT40, 6 to 54 Mbps	1	6	-1.1				0.1	-1.0	11.0	12.05
	Non HT40, 6 to 54 Mbps	2	9	-1.9	-1.7			0.1	1.3	8.0	6.74
	Non HT40, 6 to 54 Mbps	3	11	-1.9	-1.7	-2.8		0.1	2.7	6.0	3.29
	Non HT40, 6 to 54 Mbps	4	12	-1.9	-1.7	-2.8	-2.4	0.1	3.9	5.0	1.11
	HT/VHT40, M0 to M7	1	6	-0.7				0.1	-0.6	11.0	11.65
	HT/VHT40, M0 to M7	2	9	-0.7	-0.7			0.1	2.4	8.0	5.64
	HT/VHT40, M8 to M15	2	6	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40, M0 to M7	3	11	-0.7	-0.7	-2.3		0.1	3.7	6.0	2.35
	HT/VHT40, M8 to M15	3	8	-0.7	-0.7	-2.3		0.1	3.7	9.0	5.35
	HT/VHT40, M16 to M23	3	6	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
	HT/VHT40, M0 to M7	4	12	-2.1	-1.9	-3.3	-3.4	0.1	3.5	5.0	1.55
	HT/VHT40, M8 to M15	4	9	-2.1	-1.9	-3.3	-3.4	0.1	3.5	8.0	4.55
	HT/VHT40, M16 to M23	4	7	-2.1	-1.9	-3.3	-3.4	0.1	3.5	10.0	6.55
	HT/VHT40, M24 to M31	4	6	-2.1	-1.9	-3.3	-3.4	0.1	3.5	11.0	7.55
	HT/VHT40 Beam Forming, M0 to M7	2	9	-2.1	-1.9			0.1	1.1	8.0	6.94
	HT/VHT40 Beam Forming, M8 to M15	2	6	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40 Beam Forming, M0 to M7	3	11	-3.7	-4.2	-5.2		0.1	0.5	6.0	5.50
	HT/VHT40 Beam Forming, M8 to M15	3	8	-2.1	-1.9	-3.3		0.1	2.4	9.0	6.57
	HT/VHT40 Beam Forming, M16 to M23	3	6	-0.7	-0.7	-2.3		0.1	3.7	11.0	7.35
5310	HT/VHT40 Beam Forming, M0 to M7	4	12	-5.0	-5.0	-5.9	-6.4	0.1	0.5	5.0	4.46
2	HT/VHT40 Beam Forming, M8 to M15	4	9	-2.8	-2.7	-3.8	-4.5	0.1	2.7	8.0	5.31
	HT/VHT40 Beam Forming, M16 to M23	4	7	-2.1	-1.9	-3.3	-3.4	0.1	3.5	10.0	6.55
	HT/VHT40 Beam Forming, M24 to M31	4	6	-2.1	-1.9	-3.3	-3.4	0.1	3.5	11.0	7.55
	HT/VHT40 STBC, M0 to M7	2	6	-0.7	-0.7			0.1	2.4	11.0	8.64
	HT/VHT40 STBC, M0 to M7	3	8	-0.7	-0.7	-2.3		0.1	3.7	9.0	5.35
	HT/VHT40 STBC, M0 to M7	4	9	-2.1	-1.9	-3.3	-3.4	0.1	3.5	8.0	4.55
	HE40, M0 to M9 1ss	1	6	-1.8				0.1	-1.7	11.0	12.73
	HE40, M0 to M9 1ss	2	9	-1.8	-2.0			0.1	1.2	8.0	6.82
	HE40, M0 to M9 2ss	2	6	-1.8	-2.0			0.1	1.2	11.0	9.82
	HE40, M0 to M9 1ss	3	11	-1.8	-2.0	-3.2		0.1	2.5	6.0	3.45
	HE40, M0 to M9 2ss	3	8	-1.8	-2.0	-3.2		0.1	2.5	9.0	6.45
	HE40, M0 to M9 3ss	3	6	-1.8	-2.0	-3.2		0.1	2.5	11.0	8.45
	HE40, M0 to M9 1ss	4	12	-1.8	-2.0	-3.2	-3.4	0.1	3.5	5.0	1.45
	HE40, M0 to M9 2ss	4	9	-1.8	-2.0	-3.2	-3.4	0.1	3.5	8.0	4.45
	HE40, M0 to M9 3ss	4	7	-1.8	-2.0	-3.2	-3.4	0.1	3.5	10.0	6.45
	HE40, M0 to M9 4ss	4	6	-1.8	-2.0	-3.2	-3.4	0.1	3.5	11.0	7.45
	HE40 Beam Forming, M0 to M9 1ss	2	9	-2.9	-2.5			0.1	0.4	8.0	7.62
	HE40 Beam Forming, M0 to M9 2ss	2	6	-1.8	-2.0			0.1	1.2	11.0	9.82
	HE40 Beam Forming, M0 to M9 1ss	3	11	-3.7	-3.7	-4.9		0.1	0.8	6.0	5.23

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HE40 Beam Forming, M0 to M9 2ss	
HE40 Beam Forming, M0 to M9 1ss	7.22
HE40 Beam Forming, M0 to M9 2ss	8.45
HE40 Beam Forming, M0 to M9 3ss	5.46
HE40 Beam Forming, M0 to M9 4ss	6.17
HE40 STBC, M0 to M9 2ss	7.27
HE40 STBC, M0 to M9 2ss	7.45
Non HT20, 6 to 54 Mbps	9.82
Non HT20, 6 to 54 Mbps	6.45
Non HT20, 6 to 54 Mbps 2 9 4.3 3.5 0.1 7.0 8.0 Non HT20, 6 to 54 Mbps 3 11 1.2 0.5 0.4 0.1 5.5 6.0 Non HT20, 6 to 54 Mbps 4 12 -0.7 -1.6 -1.8 -2.1 0.1 4.6 5.0 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.3 3.5 0.1 7.0 8.0 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 1.2 0.5 0.4 0.1 5.5 6.0 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -0.7 -1.6 -1.8 -2.1 0.1 4.6 5.0 HT/VHT20, M0 to M7 1 6 3.7 -1.6 -1.8 -2.1 0.1 4.6 5.0 HT/VHT20, M0 to M7 2 9 3.7 3.5 0.1 6.7 8.0 HT/VHT20, M8 to M15 2 6 3.7 3.5 0.1 6.7 11.0 HT/VHT20, M0 to M7 3 11 0.6 0.2 0.0 0.1 5.1 6.0 HT/VHT20, M16 to M23 3 6 3.7 3.5 3.0 0.1 8.2 9.0 HT/VHT20, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20, M24 to M31 4 6 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.2 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.2 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.2 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.2 11.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.2 11.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.2 9.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M8 to	4.45
Non HT20, 6 to 54 Mbps	_
Non HT20, 6 to 54 Mbps	5.85
Non HT20, 6 to 54 Mbps	1.02
Non HT20 Beam Forming, 6 to 54 Mbps 2 9 4.3 3.5 0.1 7.0 8.0	0.46
Non HT20 Beam Forming, 6 to 54 Mbps	0.45
Non HT20 Beam Forming, 6 to 54 Mbps	1.02
HT/VHT20, M0 to M7	0.46
HT/VHT20, M0 to M7	0.45
HT/VHT20, M8 to M15 HT/VHT20, M0 to M7	7.25
HT/VHT20, M0 to M7 HT/VHT20, M8 to M15 3 8 3.7 3.5 3.0 HT/VHT20, M16 to M23 3 6 3.7 3.5 3.0 HT/VHT20, M16 to M23 3 6 3.7 3.5 3.0 HT/VHT20, M8 to M15 HT/VHT20, M8 to M15 4 12 -1.5 -2.0 -2.1 -2.4 0.1 4.1 5.0 HT/VHT20, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M24 to M31 HT/VHT20 STBC, M0 to M7	1.34
HT/VHT20, M8 to M15	4.34
HT/VHT20, M16 to M23	0.90
HT/VHT20, M16 to M23	0.77
HT/VHT20, M8 to M15 HT/VHT20, M16 to M23 HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M24 to M31 HT/VHT20 STBC, M0 to M7 HT	2.77
HT/VHT20, M16 to M23 HT/VHT20, M24 to M31 HT/VHT20 Beam Forming, M0 to M7 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M8 to M15 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M16 to M23 HT/VHT20 Beam Forming, M24 to M31 HT/VHT20 STBC, M0 to M7	0.91
HT/VHT20, M24 to M31	0.73
HT/VHT20 Beam Forming, M0 to M7	1.65
HT/VHT20 Beam Forming, M8 to M15	2.65
HT/VHT20 Beam Forming, M8 to M15 2 6 3.7 3.5 0.1 6.7 11.0 HT/VHT20 Beam Forming, M0 to M7 3 11 0.6 0.2 0.0 0.1 5.1 6.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 0.1 7.2 9.0 HT/VHT20 Beam Forming, M16 to M23 3 6 3.7 3.5 3.0 0.1 8.2 11.0 HT/VHT20 Beam Forming, M0 to M7 4 12 -1.5 -2.0 -2.1 -2.4 0.1 4.1 5.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	2.23
HT/VHT20 Beam Forming, M0 to M7 3 11 0.6 0.2 0.0 0.1 5.1 6.0 HT/VHT20 Beam Forming, M8 to M15 3 8 3.0 2.4 1.7 0.1 7.2 9.0 HT/VHT20 Beam Forming, M16 to M23 3 6 3.7 3.5 3.0 0.1 8.2 11.0 HT/VHT20 Beam Forming, M0 to M7 4 12 -1.5 -2.0 -2.1 -2.4 0.1 4.1 5.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	4.34
HT/VHT20 Beam Forming, M16 to M23 3 6 3.7 3.5 3.0 0.1 8.2 11.0 HT/VHT20 Beam Forming, M0 to M7 4 12 -1.5 -2.0 -2.1 -2.4 0.1 4.1 5.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 Beam Forming, M24 to M31 4 6 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	0.90
HT/VHT20 Beam Forming, M0 to M7 4 12 -1.5 -2.0 -2.1 -2.4 0.1 4.1 5.0 HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 Beam Forming, M24 to M31 4 6 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	1.78
HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 Beam Forming, M24 to M31 4 6 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	2.77
HT/VHT20 Beam Forming, M8 to M15 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0 HT/VHT20 Beam Forming, M16 to M23 4 7 3.0 2.4 1.7 1.9 0.1 8.4 10.0 HT/VHT20 Beam Forming, M24 to M31 4 6 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	0.91
HT/VHT20 Beam Forming, M24 to M31 4 6 3.0 2.4 1.7 1.9 0.1 8.4 11.0 HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	0.73
HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	1.65
HT/VHT20 STBC, M0 to M7 2 6 3.7 3.5 0.1 6.7 11.0	2.65
	4.34
	0.77
HT/VHT20 STBC, M0 to M7 4 9 1.8 1.4 0.7 0.8 0.1 7.3 8.0	0.73
HE20, M0 to M9 1ss 1 6 3.1 0.1 3.2 11.0	7.83
HE20, M0 to M9 1ss 2 9 3.1 2.3 0.1 5.8 8.0	2.20
HE20, M0 to M9 2ss 2 6 3.1 2.3 0.1 5.8 11.0	_

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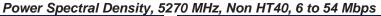
	HE20, M0 to M9 1ss	3	11	0.6	0.7	0.0		0.1	5.3	6.0	0.72
	HE20, M0 to M9 2ss	3	8	3.1	2.3	1.9		0.1	7.3	9.0	1.70
	HE20, M0 to M9 3ss	3	6	3.1	2.3	1.9		0.1	7.3	11.0	3.70
	HE20, M0 to M9 1ss	4	12	-1.4	-1.8	-1.9	-2.2	0.1	4.3	5.0	0.73
	HE20, M0 to M9 2ss	4	9	2.0	1.3	0.8	0.8	0.1	7.3	8.0	0.66
	HE20, M0 to M9 3ss	4	7	3.1	2.3	1.9	2.1	0.1	8.5	10.0	1.54
	HE20, M0 to M9 4ss	4	6	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
	HE20 Beam Forming, M0 to M9 1ss	2	9	2.0	1.3			0.1	4.7	8.0	3.26
	HE20 Beam Forming, M0 to M9 2ss	2	6	3.1	2.3			0.1	5.8	11.0	5.20
	HE20 Beam Forming, M0 to M9 1ss	3	11	0.6	0.7	0.0		0.1	5.3	6.0	0.72
	HE20 Beam Forming, M0 to M9 2ss	3	8	2.0	1.3	0.8		0.1	6.2	9.0	2.77
	HE20 Beam Forming, M0 to M9 3ss	3	6	3.1	2.3	1.9		0.1	7.3	11.0	3.70
	HE20 Beam Forming, M0 to M9 1ss	4	12	-1.4	-1.8	-1.9	-2.2	0.1	4.3	5.0	0.73
	HE20 Beam Forming, M0 to M9 2ss	4	9	2.0	1.3	0.8	0.8	0.1	7.3	8.0	0.66
	HE20 Beam Forming, M0 to M9 3ss	4	7	2.0	1.3	0.8	0.8	0.1	7.3	10.0	2.66
	HE20 Beam Forming, M0 to M9 4ss	4	6	3.1	2.3	1.9	2.1	0.1	8.5	11.0	2.54
	HE20 STBC, M0 to M9 2ss	2	6	3.1	2.3			0.1	5.8	11.0	5.20
	HE20 STBC, M0 to M9 2ss	3	8	3.1	2.3	1.9		0.1	7.3	9.0	1.70
	HE20 STBC, M0 to M9 2ss	4	9	2.0	1.3	0.8	0.8	0.1	7.3	8.0	0.66
	,		_								
	Non HT160, 6 to 54 Mbps	1	6	-5.1				0.1	-5.0	11.0	16.05
	Non HT160, 6 to 54 Mbps	2	9	-5.1	-9.5			0.1	-3.7	8.0	11.70
	Non HT160, 6 to 54 Mbps	3	11	-5.1	-9.5	-10.2		0.1	-2.8	6.0	8.82
	Non HT160, 6 to 54 Mbps	4	12	-5.1	-9.5	-10.2	-8.5	0.1	-1.8	5.0	6.77
	VHT160, M0 to M9 1ss	1	6	-6.5				0.1	-6.4	11.0	17.45
	VHT160, M0 to M9 1ss	2	9	-6.5	-9.4			0.1	-4.6	8.0	12.65
	VHT160, M0 to M9 2ss	2	6	-6.5	-9.4			0.1	-4.6	11.0	15.65
	VHT160, M0 to M9 1ss	3	11	-6.5	-9.4	-10.1		0.1	-3.5	6.0	9.55
	VHT160, M0 to M9 2ss	3	8	-6.5	-9.4	-10.1		0.1	-3.5	9.0	12.55
	VHT160, M0 to M9 3ss	3	6	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
100	VHT160, M0 to M9 1ss	4	12	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	5.0	8.69
5250	VHT160, M0 to M9 2ss	4	9	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	8.0	11.69
	VHT160, M0 to M9 3ss	4	7	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	10.0	13.69
	VHT160, M0 to M9 4ss	4	6	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	11.0	14.69
	VHT160 Beam Forming, M0 to M9 1ss	2	9	-7.7	-10.4			0.1	-5.8	8.0	13.78
	VHT160 Beam Forming, M0 to M9 2ss	2	6	-6.5	-9.4			0.1	-4.6	11.0	15.65
	VHT160 Beam Forming, M0 to M9 1ss	3	11	-8.9	-11.6	-12.0		0.1	-5.8	6.0	11.78
	VHT160 Beam Forming, M0 to M9 2ss	3	8	-7.7	-10.4	-10.7		0.1	-4.6	9.0	13.55
	VHT160 Beam Forming, M0 to M9 3ss	3	6	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
	VHT160 Beam Forming, M0 to M9 1ss	4	12	-9.8	-12.5	-12.7	-13.2	0.1	-5.8	5.0	10.75
	VHT160 Beam Forming, M0 to M9 2ss	4	9	-8.9	-11.6	-12.0	-12.4	0.1	-4.9	8.0	12.91
	VHT160 Beam Forming, M0 to M9 3ss	4	7	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	10.0	13.69

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VHT160 Beam Forming, M0 to M9 4ss	4	6	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	11.0	14.69
VHT160 STBC, M0 to M9 1ss	2	6	-6.5	-9.4			0.1	-4.6	11.0	15.65
VHT160 STBC, M0 to M9 1ss	3	6	-6.5	-9.4	-10.1		0.1	-3.5	11.0	14.55
VHT160 STBC, M0 to M9 1ss	4	6	-7.7	-10.4	-10.7	-11.2	0.1	-3.7	11.0	14.69
HE160, M0 to M9 1ss	1	6	-4.9				0.1	-4.8	11.0	15.83
HE160, M0 to M9 1ss	2	9	-5.5	-8.5			0.1	-3.7	8.0	11.67
HE160, M0 to M9 2ss	2	6	-5.5	-8.5			0.1	-3.7	11.0	14.67
HE160, M0 to M9 1ss	3	11	-5.5	-8.5	-8.8		0.1	-2.5	6.0	8.49
HE160, M0 to M9 2ss	3	8	-5.5	-8.5	-8.8		0.1	-2.5	9.0	11.49
HE160, M0 to M9 3ss	3	6	-5.5	-8.5	-8.8		0.1	-2.5	11.0	13.49
HE160, M0 to M9 1ss	4	12	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	5.0	6.54
HE160, M0 to M9 2ss	4	9	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	8.0	9.54
HE160, M0 to M9 3ss	4	7	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	10.0	11.54
HE160, M0 to M9 4ss	4	6	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160 Beam Forming, M0 to M9 1ss	2	9	-6.3	-8.8			0.1	-4.3	8.0	12.29
HE160 Beam Forming, M0 to M9 2ss	2	6	-5.5	-8.5			0.1	-3.7	11.0	14.67
HE160 Beam Forming, M0 to M9 1ss	3	11	-7.1	-10.2	-10.9		0.1	-4.2	6.0	10.23
HE160 Beam Forming, M0 to M9 2ss	3	8	-6.3	-8.8	-9.9		0.1	-3.2	9.0	12.22
HE160 Beam Forming, M0 to M9 3ss	3	6	-5.5	-8.5	-8.8		0.1	-2.5	11.0	13.49
HE160 Beam Forming, M0 to M9 1ss	4	12	-8.6	-11.0	-11.7	-12.1	0.1	-4.5	5.0	9.53
HE160 Beam Forming, M0 to M9 2ss	4	9	-7.1	-10.2	-10.9	-11.0	0.1	-3.4	8.0	11.39
HE160 Beam Forming, M0 to M9 3ss	4	7	-6.3	-8.8	-9.9	-9.8	0.1	-2.3	10.0	12.35
HE160 Beam Forming, M0 to M9 4ss	4	6	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54
HE160 STBC, M0 to M9 1ss	2	6	-5.5	-8.5			0.1	-3.7	11.0	14.67
HE160 STBC, M0 to M9 1ss	3	6	-5.5	-8.5	-8.8		0.1	-2.5	11.0	13.49
HE160 STBC, M0 to M9 1ss	4	6	-5.5	-8.5	-8.8	-8.7	0.1	-1.5	11.0	12.54

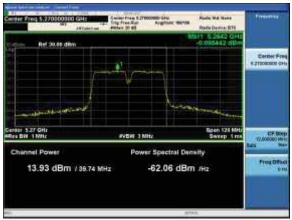








Antenna A Antenna B



Antenna C



A.5 Conducted Spurious Emissions

Conducted Spurious Emissions Test Requirement

15.407(b) *Undesirable emission limits.* Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.

Use formula below to substitute conducted measurements in place of radiated measurements

E[dBµV/m] = EIRP[dBm] - 20 log(d[meters]) + 104.77, where E = field strength and d = 3 meter

- 1) Average Plot, Limit= -41.25 dBm eirp
- 2) Peak plot, Limit = -21.25 dBm eirp

Conducted Spurious Emissions Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Ref. ANSI C63.10: 2013

Conducted Spurious Emissions

Test Procedure

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Place the radio in continuous transmit mode
- 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).
- 4. Use the peak marker function to determine the maximum spurs amplitude level.
- 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2)
- 6. Capture graphs and record pertinent measurement data.

Ref. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions Test parameters	
Peak	Average
RBW = 1 MHz	RBW = 1 MHz
$VBW \ge 3 MHz$	$VBW \ge 3 MHz$
Sweep = Auto	Sweep = Auto

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Detector = Peak	Detector = RMS
Trace = Max Hold.	Power Averaging

Add the max antenna gain + ground reflection factor (4.7 dB for frequencies between 30 MHz and 1000 MHz, and 0 dB for frequencies > 1000 MHz).

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
1	EUT	S01	\checkmark	
	Support			\checkmark

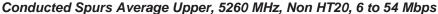
Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment

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Conducted Spurs Peak Upper, 5260 MHz, Non HT20, 6 to 54 Mbps





Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Tx 3 Spur Power (dBm)	Tx 4 Spur Power (dBm)	Duty Cycle Correction (dB)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	6	-60.6				0.1	-54.5	-41.25	13.30
	Non HT20, 6 to 54 Mbps	2	6	-62.4	-57.9			0.1	-50.5	-41.25	9.28
	Non HT20, 6 to 54 Mbps	3	6	-64.1	-60.9	-62.9		0.1	-51.6	-41.25	10.36
	Non HT20, 6 to 54 Mbps	4	6	-66.2	-61.9	-64.3	-64.2	0.1	-51.8	-41.25	10.56
	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-62.4	-57.9			0.1	-47.5	-41.25	6.28
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-64.1	-60.9	-62.9		0.1	-46.6	-41.25	5.36
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-66.2	-61.9	-64.3	-64.2	0.1	-45.8	-41.25	4.56
	HT/VHT20, M0 to M7	1	6	-60.6				0.1	-54.5	-41.25	13.30
	HT/VHT20, M0 to M7	2	6	-61.2	-57.4			0.1	-49.8	-41.25	8.58
	HT/VHT20, M8 to M15	2	6	-60.6	-56.7			0.1	-49.2	-41.25	7.91
	HT/VHT20, M0 to M7	3	6	-64.2	-60.6	-63.0		0.1	-51.5	-41.25	10.26
	HT/VHT20, M8 to M15	3	6	-62.6	-58.0	-60.1		0.1	-49.0	-41.25	7.77
	HT/VHT20, M16 to M23	3	6	-60.6	-56.7	-59.0		0.1	-47.6	-41.25	6.40
	HT/VHT20, M0 to M7	4	6	-66.3	-61.8	-64.2	-64.1	0.1	-51.7	-41.25	10.49
	HT/VHT20, M8 to M15	4	6	-63.5	-59.2	-61.5	-62.4	0.1	-49.3	-41.25	8.03
5260	HT/VHT20, M16 to M23	4	6	-62.6	-58.0	-60.1	-60.3	0.1	-47.9	-41.25	6.63
4)	HT/VHT20, M24 to M31	4	6	-61.2	-57.4	-59.8	-59.7	0.1	-47.2	-41.25	5.98
	HT/VHT20 Beam Forming, M0 to M7	2	9	-61.2	-57.4			0.1	-46.8	-41.25	5.58
	HT/VHT20 Beam Forming, M8 to M15	2	6	-60.6	-56.7			0.1	-49.2	-41.25	7.91
	HT/VHT20 Beam Forming, M0 to M7	3	11	-64.2	-60.6	-63.0		0.1	-46.5	-41.25	5.26
	HT/VHT20 Beam Forming, M8 to M15	3	8	-62.6	-58.0	-60.1		0.1	-47.0	-41.25	5.77
	HT/VHT20 Beam Forming, M16 to M23	3	6	-60.6	-56.7	-59.0		0.1	-47.6	-41.25	6.40
	HT/VHT20 Beam Forming, M0 to M7	4	12	-66.3	-61.8	-64.2	-64.1	0.1	-45.7	-41.25	4.49
	HT/VHT20 Beam Forming, M8 to M15	4	9	-63.5	-59.2	-61.5	-62.4	0.1	-46.3	-41.25	5.03
	HT/VHT20 Beam Forming, M16 to M23	4	7	-62.6	-58.0	-60.1	-60.3	0.1	-46.9	-41.25	5.63
	HT/VHT20 Beam Forming, M24 to M31	4	6	-61.2	-57.4	-59.8	-59.7	0.1	-47.2	-41.25	5.98
	HT/VHT20 STBC, M0 to M7	2	6	-60.6	-56.7			0.1	-49.2	-41.25	7.91
	HT/VHT20 STBC, M0 to M7	3	6	-62.6	-58.0	-60.1		0.1	-49.0	-41.25	7.77
	HT/VHT20 STBC, M0 to M7	4	6	-63.5	-59.2	-61.5	-62.4	0.1	-49.3	-41.25	8.03
	HE20, M0 to M9 1ss	1	6	-60.8				0.1	-54.7	-41.25	13.48
	HE20, M0 to M9 1ss	2	6	-62.6	-58.0			0.1	-50.6	-41.25	9.39

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	LIEGO MO to MO Con		^	60.0	50.0			0.4	10.4	44.05	7.00
	HE20, M0 to M9 2ss	2	6	-60.8	-56.6	62.0		0.1	-49.1	-41.25	7.88
	HE20, M0 to M9 1ss	3	6	-64.2	-60.7	-63.0		0.1	-51.5	-41.25	10.30
	HE20, M0 to M9 2ss	3	6	-62.6	-58.0	-60.2		0.1	-49.0	-41.25	7.78
	HE20, M0 to M9 3ss	3	6	-60.8	-56.6	-58.8		0.1	-47.6	-41.25	6.31
	HE20, M0 to M9 1ss	4	6	-66.5	-61.9	-63.9	-63.9	0.1	-51.7	-41.25	10.42
	HE20, M0 to M9 2ss	4	6	-63.6	-59.1	-61.3	-62.3	0.1	-49.2	-41.25	7.92
	HE20, M0 to M9 3ss	4	6	-62.6	-58.0	-60.2	-60.2	0.1	-47.9	-41.25	6.61
	HE20, M0 to M9 4ss	4	6	-61.2	-57.5	-59.4	-59.7	0.1	-47.2	-41.25	5.91
	HE20 Beam Forming, M0 to M9 1ss	2	9	-62.6	-58.0			0.1	-47.6	-41.25	6.39
	HE20 Beam Forming, M0 to M9 2ss	2	6	-60.8	-56.6			0.1	-49.1	-41.25	7.88
	HE20 Beam Forming, M0 to M9 1ss	3	11	-64.2	-60.7	-63.0		0.1	-46.5	-41.25	5.30
	HE20 Beam Forming, M0 to M9 2ss	3	8	-62.6	-58.0	-60.2		0.1	-47.0	-41.25	5.78
	HE20 Beam Forming, M0 to M9 3ss	3	6	-60.8	-56.6	-58.8		0.1	-47.6	-41.25	6.31
	HE20 Beam Forming, M0 to M9 1ss	4	12	-66.5	-61.9	-63.9	-63.9	0.1	-45.7	-41.25	4.42
	HE20 Beam Forming, M0 to M9 2ss	4	9	-63.6	-59.1	-61.3	-62.3	0.1	-46.2	-41.25	4.92
	HE20 Beam Forming, M0 to M9 3ss	4	7	-62.6	-58.0	-60.2	-60.2	0.1	-46.9	-41.25	5.61
	HE20 Beam Forming, M0 to M9 4ss	4	6	-61.2	-57.5	-59.4	-59.7	0.1	-47.2	-41.25	5.91
	HE20 STBC, M0 to M9 2ss	2	6	-60.8	-56.6			0.1	-49.1	-41.25	7.88
	HE20 STBC, M0 to M9 2ss	3	6	-62.6	-58.0	-60.2		0.1	-49.0	-41.25	7.78
	HE20 STBC, M0 to M9 2ss	4	6	-63.6	-59.1	-61.3	-62.3	0.1	-49.2	-41.25	7.92
	Non HT40, 6 to 54 Mbps	1	6	-61.1				0.0	-55.1	-41.25	13.81
	Non HT40, 6 to 54 Mbps	2	6	-61.1	-56.0			0.0	-48.8	-41.25	7.54
	Non HT40, 6 to 54 Mbps	3	6	-62.5	-57.7	-60.0		0.0	-48.8	-41.25	7.57
	Non HT40, 6 to 54 Mbps	4	6	-63.9	-58.8	-61.1	-61.2	0.0	-48.8	-41.25	7.57
	HT/VHT40, M0 to M7	1	6	-60.8				0.1	-54.7	-41.25	13.45
	HT/VHT40, M0 to M7	2	6	-60.8	-56.6			0.1	-49.1	-41.25	7.85
	HT/VHT40, M8 to M15	2	6	-60.8	-56.6			0.1	-49.1	-41.25	7.85
	HT/VHT40, M0 to M7	3	6	-62.9	-57.8	-60.2		0.1	-48.9	-41.25	7.70
	HT/VHT40, M8 to M15	3	6	-60.8	-56.6	-58.6		0.1	-47.5	-41.25	6.21
	HT/VHT40, M16 to M23	3	6	-60.8	-56.6	-58.6		0.1	-47.5	-41.25	6.21
5270	HT/VHT40, M0 to M7	4	6	-63.8	-59.0	-61.3	-62.4	0.1	-49.1	-41.25	7.89
2	HT/VHT40, M8 to M15	4	6	-61.5	-57.1	-59.6	-59.7	0.1	-47.1	-41.25	5.81
	HT/VHT40, M16 to M23	4	6	-60.8	-56.6	-58.6	-58.9	0.1	-46.3	-41.25	5.10
	HT/VHT40, M24 to M31	4	6	-60.8	-56.6	-58.6	-58.9	0.1	-46.3	-41.25	5.10
	HT/VHT40 Beam Forming, M0 to M7	2	9	-60.8	-56.6			0.1	-46.1	-41.25	4.85
	HT/VHT40 Beam Forming, M8 to M15	2	6	-60.8	-56.6			0.1	-49.1	-41.25	7.85
	HT/VHT40 Beam Forming, M0 to M7	3	11	-63.2	-58.4	-60.8		0.1	-44.5	-41.25	3.25
	HT/VHT40 Beam Forming, M8 to M15	3	8	-60.8	-56.6	-58.6		0.1	-45.5	-41.25	4.21
	HT/VHT40 Beam Forming, M16 to M23	3	6	-60.8	-56.6	-58.6		0.1	-47.5	-41.25	6.21
	HT/VHT40 Beam Forming, M0 to M7	4	12	-64.3	-60.2	-63.0	-62.9	0.1	-44.2	-41.25	2.95
	HT/VHT40 Beam Forming, M8 to M15	4	9	-62.9	-57.8	-60.2	-60.1	0.1	-44.8	-41.25	3.51

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	HT/VHT40 Beam Forming, M16 to M23	4	7	-60.8	-56.6	-58.6	-58.9	0.1	-45.3	-41.25	4.10
	HT/VHT40 Beam Forming, M24 to M31	4	6	-60.8	-56.6	-58.6	-58.9	0.1	-46.3	-41.25	5.10
	HT/VHT40 STBC, M0 to M7	2	6	-60.8	-56.6			0.1	-49.1	-41.25	7.85
	HT/VHT40 STBC, M0 to M7	3	6	-60.8	-56.6	-58.6		0.1	-47.5	-41.25	6.21
	HT/VHT40 STBC, M0 to M7	4	6	-62.9	-57.8	-60.2	-60.1	0.1	-47.8	-41.25	6.51
	HE40, M0 to M9 1ss	1	6	-60.9				0.1	-54.8	-41.25	13.52
	HE40, M0 to M9 1ss	2	6	-60.9	-56.1			0.1	-48.7	-41.25	7.48
	HE40, M0 to M9 2ss	2	6	-60.9	-56.1			0.1	-48.7	-41.25	7.48
	HE40, M0 to M9 1ss	3	6	-62.6	-57.9	-60.1		0.1	-48.9	-41.25	7.64
	HE40, M0 to M9 2ss	3	6	-60.9	-56.1	-58.7		0.1	-47.2	-41.25	5.98
	HE40, M0 to M9 3ss	3	6	-60.9	-56.1	-58.7		0.1	-47.2	-41.25	5.98
	HE40, M0 to M9 1ss	4	6	-63.8	-59.0	-61.0	-61.6	0.1	-48.9	-41.25	7.63
	HE40, M0 to M9 2ss	4	6	-61.3	-57.1	-59.4	-59.5	0.1	-46.9	-41.25	5.67
	HE40, M0 to M9 3ss	4	6	-60.9	-56.1	-58.7	-58.6	0.1	-46.1	-41.25	4.85
	HE40, M0 to M9 4ss	4	6	-60.9	-56.1	-58.7	-58.6	0.1	-46.1	-41.25	4.85
	HE40 Beam Forming, M0 to M9 1ss	2	9	-60.9	-56.1			0.1	-45.7	-41.25	4.48
	HE40 Beam Forming, M0 to M9 2ss	2	6	-60.9	-56.1			0.1	-48.7	-41.25	7.48
	HE40 Beam Forming, M0 to M9 1ss	3	11	-63.8	-59.0	-61.0		0.1	-44.9	-41.25	3.70
	HE40 Beam Forming, M0 to M9 2ss	3	8	-61.3	-57.1	-59.4		0.1	-46.0	-41.25	4.78
	HE40 Beam Forming, M0 to M9 3ss	3	6	-60.9	-56.1	-58.7		0.1	-47.2	-41.25	5.98
	HE40 Beam Forming, M0 to M9 1ss	4	12	-64.7	-61.0	-63.5	-63.2	0.1	-44.7	-41.25	3.49
	HE40 Beam Forming, M0 to M9 2ss	4	9	-63.5	-58.2	-60.7	-60.6	0.1	-45.2	-41.25	3.96
	HE40 Beam Forming, M0 to M9 3ss	4	7	-61.3	-57.1	-59.4	-59.5	0.1	-45.9	-41.25	4.67
	HE40 Beam Forming, M0 to M9 4ss	4	6	-60.9	-56.1	-58.7	-58.6	0.1	-46.1	-41.25	4.85
	HE40 STBC, M0 to M9 2ss	2	6	-60.9	-56.1			0.1	-48.7	-41.25	7.48
	HE40 STBC, M0 to M9 2ss	3	6	-60.9	-56.1	-58.7		0.1	-47.2	-41.25	5.98
	HE40 STBC, M0 to M9 2ss	4	6	-62.6	-57.9	-60.1	-60.2	0.1	-47.7	-41.25	6.49
	Non HT80, 6 to 54 Mbps	1	6	-64.5				0.1	-58.4	-41.25	17.20
	Non HT80, 6 to 54 Mbps	2	6	-64.5	-60.4			0.1	-52.9	-41.25	11.67
	Non HT80, 6 to 54 Mbps	3	6	-64.7	-61.3	-63.1		0.1	-52.0	-41.25	10.74
	Non HT80, 6 to 54 Mbps	4	6	-64.7	-61.3	-63.1	-62.7	0.1	-50.7	-41.25	9.46
	VHT80, M0 to M9 1ss	1	6	-64.1				0.2	-57.9	-41.25	16.63
	VHT80, M0 to M9 1ss	2	6	-64.6	-61.4			0.2	-53.5	-41.25	12.24
06	VHT80, M0 to M9 2ss	2	6	-64.6	-61.4			0.2	-53.5	-41.25	12.24
5290	VHT80, M0 to M9 1ss	3	6	-64.6	-61.4	-61.7		0.2	-51.4	-41.25	10.11
	VHT80, M0 to M9 2ss	3	6	-64.6	-61.4	-61.7		0.2	-51.4	-41.25	10.11
	VHT80, M0 to M9 3ss	3	6	-64.6	-61.4	-61.7		0.2	-51.4	-41.25	10.11
	VHT80, M0 to M9 1ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92
	VHT80, M0 to M9 2ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92
	VHT80, M0 to M9 3ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92
	VHT80, M0 to M9 4ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92

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	VHT80 Beam Forming, M0 to M9 1ss	2	9	-65.2	-61.7			0.2	-50.9	-41.25	9.63
	VHT80 Beam Forming, M0 to M9 2ss	2	6	-64.6	-61.4			0.2	-53.5	-41.25	12.24
	VHT80 Beam Forming, M0 to M9 1ss	3	11	-66.8	-62.5	-64.0		0.2	-48.1	-41.25	6.85
	VHT80 Beam Forming, M0 to M9 2ss	3	8	-65.2	-61.7	-63.4		0.2	-50.2	-41.25	8.97
	VHT80 Beam Forming, M0 to M9 3ss	3	6	-64.6	-61.4	-61.7		0.2	-51.4	-41.25	10.11
	VHT80 Beam Forming, M0 to M9 1ss	4	12	-67.9	-63.0	-65.0	-64.5	0.2	-46.5	-41.25	5.28
	VHT80 Beam Forming, M0 to M9 2ss	4	9	-66.8	-62.5	-64.0	-63.7	0.2	-48.8	-41.25	7.50
	VHT80 Beam Forming, M0 to M9 3ss	4	7	-65.2	-61.7	-63.4	-62.9	0.2	-49.9	-41.25	8.64
	VHT80 Beam Forming, M0 to M9 4ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92
	VHT80 STBC, M0 to M9 1ss	2	6	-64.6	-61.4			0.2	-53.5	-41.25	12.24
	VHT80 STBC, M0 to M9 1ss	3	6	-64.6	-61.4	-61.7		0.2	-51.4	-41.25	10.11
	VHT80 STBC, M0 to M9 1ss	4	6	-64.6	-61.4	-61.7	-62.6	0.2	-50.2	-41.25	8.92
	HE80, M0 to M9 1ss	1	6	-64.8				0.3	-58.5	-41.25	17.30
	HE80, M0 to M9 1ss	2	6	-64.8	-61.0			0.3	-53.2	-41.25	11.99
	HE80, M0 to M9 2ss	2	6	-64.8	-61.0			0.3	-53.2	-41.25	11.99
	HE80, M0 to M9 1ss	3	6	-64.8	-61.0	-61.6		0.3	-51.2	-41.25	9.91
	HE80, M0 to M9 2ss	3	6	-64.8	-61.0	-61.6		0.3	-51.2	-41.25	9.91
	HE80, M0 to M9 3ss	3	6	-64.8	-61.0	-61.6		0.3	-51.2	-41.25	9.91
	HE80, M0 to M9 1ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
	HE80, M0 to M9 2ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
	HE80, M0 to M9 3ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
	HE80, M0 to M9 4ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
	HE80 Beam Forming, M0 to M9 1ss	2	9	-65.2	-61.4			0.3	-50.6	-41.25	9.39
	HE80 Beam Forming, M0 to M9 2ss	2	6	-64.8	-61.0			0.3	-53.2	-41.25	11.99
	HE80 Beam Forming, M0 to M9 1ss	3	11	-67.4	-62.5	-64.4		0.3	-48.3	-41.25	7.06
	HE80 Beam Forming, M0 to M9 2ss	3	8	-65.2	-61.4	-63.5		0.3	-50.1	-41.25	8.82
	HE80 Beam Forming, M0 to M9 3ss	3	6	-64.8	-61.0	-61.6		0.3	-51.2	-41.25	9.91
	HE80 Beam Forming, M0 to M9 1ss	4	12	-67.9	-62.8	-65.0	-64.1	0.3	-46.3	-41.25	5.06
	HE80 Beam Forming, M0 to M9 2ss	4	9	-67.0	-62.1	-63.8	-63.6	0.3	-48.5	-41.25	7.27
	HE80 Beam Forming, M0 to M9 3ss	4	7	-65.2	-61.4	-63.5	-63.2	0.3	-49.8	-41.25	8.60
	HE80 Beam Forming, M0 to M9 4ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
	HE80 STBC, M0 to M9 1ss	2	6	-64.8	-61.0			0.3	-53.2	-41.25	11.99
	HE80 STBC, M0 to M9 1ss	3	6	-64.8	-61.0	-61.6		0.3	-51.2	-41.25	9.91
	HE80 STBC, M0 to M9 1ss	4	6	-65.2	-61.4	-63.5	-63.2	0.3	-50.8	-41.25	9.60
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	Non HT20, 6 to 54 Mbps	1	6	-60.2				0.1	-54.1	-41.25	12.90
	Non HT20, 6 to 54 Mbps	2	6	-61.8	-57.2			0.1	-49.9	-41.25	8.61
	Non HT20, 6 to 54 Mbps	3	6	-63.6	-59.3	-62.3		0.1	-50.5	-41.25	9.27
5300	Non HT20, 6 to 54 Mbps	4	6	-66.0	-61.2	-63.8	-63.6	0.1	-51.2	-41.25	10.00
3	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-61.8	-57.2			0.1	-46.9	-41.25	5.61
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-63.6	-59.3	-62.3		0.1	-45.5	-41.25	4.27
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-66.0	-61.2	-63.8	-63.6	0.1	-45.2	-41.25	4.00

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HTV/HT20, M0 to M7											
HTV/HT20, M8 to M15	HT/VHT20, M0 to M7	1	6	-60.2				0.1	-54.1	-41.25	12.90
HT/VHT20, M0 to M7	HT/VHT20, M0 to M7	2	6	-61.3	-56.5			0.1	-49.2	-41.25	7.96
HT/VHT20, M8 to M15	HT/VHT20, M8 to M15	2	6	-60.2	-55.8			0.1	-48.4	-41.25	7.15
HT/VHT20, M16 to M23	HT/VHT20, M0 to M7	3	6	-64.0	-60.0	-62.6		0.1	-51.1	-41.25	9.80
HT/VHT20, M0 to M7	HT/VHT20, M8 to M15	3	6	-62.1	-57.2	-59.9		0.1	-48.5	-41.25	7.20
HT/VHT20, M8 to M15	HT/VHT20, M16 to M23	3	6	-60.2	-55.8	-58.6		0.1	-47.0	-41.25	5.74
HT/VHT20, M16 to M23	HT/VHT20, M0 to M7	4	6	-65.9	-61.3	-63.8	-63.7	0.1	-51.3	-41.25	10.05
HT/VHT20 Beam Forming, M0 to M7	HT/VHT20, M8 to M15	4	6	-63.1	-58.8	-61.1	-61.9	0.1	-48.9	-41.25	7.61
HT/VHT20 Beam Forming, M0 to M7	HT/VHT20, M16 to M23	4	6	-62.1	-57.2	-59.9	-59.9	0.1	-47.3	-41.25	6.10
HT/VHT20 Beam Forming, M8 to M15	HT/VHT20, M24 to M31	4	6	-61.3	-56.5	-59.3	-59.4	0.1	-46.7	-41.25	5.45
HT/VHT20 Beam Forming, M0 to M7	HT/VHT20 Beam Forming, M0 to M7	2	9	-61.3	-56.5			0.1	-46.2	-41.25	4.96
HT/VHT20 Beam Forming, M8 to M15 3 8 -62.1 -57.2 -59.9	HT/VHT20 Beam Forming, M8 to M15	2	6	-60.2	-55.8			0.1	-48.4	-41.25	7.15
HT/VHT20 Beam Forming, M16 to M23	HT/VHT20 Beam Forming, M0 to M7	3	11	-64.0	-60.0	-62.6		0.1	-46.1	-41.25	4.80
HT/VHT20 Beam Forming, M0 to M7	HT/VHT20 Beam Forming, M8 to M15	3	8	-62.1	-57.2	-59.9		0.1	-46.5	-41.25	5.20
HT/VHT20 Beam Forming, M8 to M15	HT/VHT20 Beam Forming, M16 to M23	3	6	-60.2	-55.8	-58.6		0.1	-47.0	-41.25	5.74
HT/VHT20 Beam Forming, M16 to M23	HT/VHT20 Beam Forming, M0 to M7	4	12	-65.9	-61.3	-63.8	-63.7	0.1	-45.3	-41.25	4.05
HT/VHT20 Beam Forming, M24 to M31	HT/VHT20 Beam Forming, M8 to M15	4	9	-63.1	-58.8	-61.1	-61.9	0.1	-45.9	-41.25	4.61
HT/VHT20 STBC, M0 to M7	HT/VHT20 Beam Forming, M16 to M23	4	7	-62.1	-57.2	-59.9	-59.9	0.1	-46.3	-41.25	5.10
HT/VHT20 STBC, M0 to M7	HT/VHT20 Beam Forming, M24 to M31	4	6	-61.3	-56.5	-59.3	-59.4	0.1	-46.7	-41.25	5.45
HT/VHT20 STBC, M0 to M7	HT/VHT20 STBC, M0 to M7	2	6	-60.2	-55.8			0.1	-48.4	-41.25	7.15
HE20, M0 to M9 1ss	HT/VHT20 STBC, M0 to M7	3	6	-62.1	-57.2	-59.9		0.1	-48.5	-41.25	7.20
HE20, M0 to M9 1ss	HT/VHT20 STBC, M0 to M7	4	6	-63.1	-58.8	-61.1	-61.9	0.1	-48.9	-41.25	7.61
HE20, M0 to M9 2ss		1	6	-60.2				0.1	-54.1	-41.25	12.88
HE20, M0 to M9 1ss 3 6 -64.0 -59.9 -62.5 0.1 -51.0 -41.25 9.71 HE20, M0 to M9 2ss 3 6 -62.0 -56.9 -59.7 0.1 -48.2 -41.25 6.95 HE20, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20, M0 to M9 1ss 4 6 -66.0 -61.2 -63.6 -63.7 0.1 -51.2 -41.25 9.96 HE20, M0 to M9 2ss 4 6 -62.9 -58.5 -60.8 -62.0 0.1 -48.6 -41.25 7.38 HE20, M0 to M9 3ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.5 -41.25 5.29 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -46.0 -41.25 7.21 HE20 Beam Forming, M0 to M9 3ss 3 8 -62.0 -56.9	HE20, M0 to M9 1ss	2	6	-62.0	-56.9			0.1	-49.7	-41.25	8.41
HE20, M0 to M9 2ss 3 6 -62.0 -56.9 -59.7 0.1 -48.2 -41.25 6.95 HE20, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20, M0 to M9 1ss 4 6 -66.0 -61.2 -63.6 -63.7 0.1 -51.2 -41.25 9.96 HE20, M0 to M9 2ss 4 6 -62.9 -58.5 -60.8 -62.0 0.1 -48.6 -41.25 7.38 HE20, M0 to M9 3ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20, M0 to M9 4ss 4 6 -61.3 -56.3 -59.1 -59.9 0.1 -47.1 -41.25 5.90 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.5 -41.25 5.41 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2	HE20, M0 to M9 2ss	2	6	-60.2	-55.9			0.1	-48.5	-41.25	7.21
HE20, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20, M0 to M9 1ss 4 6 -66.0 -61.2 -63.6 -63.7 0.1 -51.2 -41.25 9.96 HE20, M0 to M9 2ss 4 6 -62.9 -58.5 -60.8 -62.0 0.1 -48.6 -41.25 7.38 HE20, M0 to M9 3ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20, M0 to M9 4ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.7 -41.25 5.29 HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.7 -41.25 7.21 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 2ss 4	HE20, M0 to M9 1ss	3	6	-64.0	-59.9	-62.5		0.1	-51.0	-41.25	9.71
HE20, M0 to M9 1ss 4 6 -66.0 -61.2 -63.6 -63.7 0.1 -51.2 -41.25 9.96 HE20, M0 to M9 2ss 4 6 -62.9 -58.5 -60.8 -62.0 0.1 -48.6 -41.25 7.38 HE20, M0 to M9 3ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20, M0 to M9 4ss 4 6 -61.3 -56.3 -59.1 -59.3 0.1 -46.5 -41.25 5.29 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.5 -41.25 5.41 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.0 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.2 -41.25 5.69 HE20 Beam Forming, M0 to M9 2ss 4 1	HE20, M0 to M9 2ss	3	6	-62.0	-56.9	-59.7		0.1	-48.2	-41.25	6.95
HE20, M0 to M9 2ss 4 6 -62.9 -58.5 -60.8 -62.0 0.1 -48.6 -41.25 7.38 HE20, M0 to M9 3ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20, M0 to M9 4ss 4 6 -61.3 -56.3 -59.1 -59.3 0.1 -46.5 -41.25 5.29 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.7 -41.25 5.41 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -46.7 -41.25 7.21 HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 3ss 3 6 -62.0 -55.9 -58.3 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.6 -41.25 3.96 HE20 Beam Forming, M0 to M9 3ss 4 </td <td>HE20, M0 to M9 3ss</td> <td>3</td> <td>6</td> <td>-60.2</td> <td>-55.9</td> <td>-58.3</td> <td></td> <td>0.1</td> <td>-46.9</td> <td>-41.25</td> <td>5.69</td>	HE20, M0 to M9 3ss	3	6	-60.2	-55.9	-58.3		0.1	-46.9	-41.25	5.69
HE20, M0 to M9 3ss 4 6 -62.0 -56.9 -59.7 -59.9 0.1 -47.1 -41.25 5.90 HE20, M0 to M9 4ss 4 6 -61.3 -56.3 -59.1 -59.3 0.1 -46.5 -41.25 5.29 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.7 -41.25 5.41 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21 HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 3ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 2ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss 4	HE20, M0 to M9 1ss	4	6	-66.0	-61.2	-63.6	-63.7	0.1	-51.2	-41.25	9.96
HE20, M0 to M9 4ss 4 6 -61.3 -56.3 -59.1 -59.3 0.1 -46.5 -41.25 5.29 HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.7 -41.25 5.41 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 2ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 4.38 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss <td< td=""><td>HE20, M0 to M9 2ss</td><td>4</td><td>6</td><td>-62.9</td><td>-58.5</td><td>-60.8</td><td>-62.0</td><td>0.1</td><td>-48.6</td><td>-41.25</td><td>7.38</td></td<>	HE20, M0 to M9 2ss	4	6	-62.9	-58.5	-60.8	-62.0	0.1	-48.6	-41.25	7.38
HE20 Beam Forming, M0 to M9 1ss 2 9 -62.0 -56.9 0.1 -46.7 -41.25 5.41 HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21 HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.90 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	HE20, M0 to M9 3ss	4	6	-62.0	-56.9	-59.7	-59.9	0.1	-47.1	-41.25	5.90
HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21 HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.90 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	HE20, M0 to M9 4ss	4	6	-61.3	-56.3	-59.1	-59.3	0.1	-46.5	-41.25	5.29
HE20 Beam Forming, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21 HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.90 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	HE20 Beam Forming, M0 to M9 1ss	2	9	-62.0	-56.9			0.1	-46.7	-41.25	5.41
HE20 Beam Forming, M0 to M9 1ss 3 11 -64.0 -59.9 -62.5 0.1 -46.0 -41.25 4.71 HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	*	2	6	-60.2	-55.9			0.1	-48.5		
HE20 Beam Forming, M0 to M9 2ss 3 8 -62.0 -56.9 -59.7 0.1 -46.2 -41.25 4.95 HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	*					-62.5					
HE20 Beam Forming, M0 to M9 3ss 3 6 -60.2 -55.9 -58.3 0.1 -46.9 -41.25 5.69 HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	<u> </u>	-									
HE20 Beam Forming, M0 to M9 1ss 4 12 -66.0 -61.2 -63.6 -63.7 0.1 -45.2 -41.25 3.96 HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	<u> </u>	-									
HE20 Beam Forming, M0 to M9 2ss 4 9 -62.9 -58.5 -60.8 -62.0 0.1 -45.6 -41.25 4.38 HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90							-63.7				
HE20 Beam Forming, M0 to M9 3ss 4 7 -62.0 -56.9 -59.7 -59.9 0.1 -46.1 -41.25 4.90	*										
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HE20 STBC, M0 to M9 2ss 2 6 -60.2 -55.9 0.1 -48.5 -41.25 7.21	_										

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	HE20 STBC, M0 to M9 2ss	3	6	-62.0	-56.9	-59.7		0.1	-48.2	-41.25	6.95
	HE20 STBC, M0 to M9 2ss	4	6	-62.9	-58.5	-60.8	-62.0	0.1	-48.6	-41.25	7.38
	Non HT40, 6 to 54 Mbps	1	6	-63.7				0.1	-57.6	-41.25	16.40
	Non HT40, 6 to 54 Mbps	2	6	-64.2	-59.3			0.1	-52.0	-41.25	10.78
	Non HT40, 6 to 54 Mbps	3	6	-64.2	-59.3	-61.5		0.1	-50.4	-41.25	9.15
	Non HT40, 6 to 54 Mbps	4	6	-64.2	-59.3	-61.5	-62.2	0.1	-49.4	-41.25	8.13
	HT/VHT40, M0 to M7	1	6	-63.7				0.1	-57.6	-41.25	16.40
	HT/VHT40, M0 to M7	2	6	-63.7	-58.8			0.1	-51.5	-41.25	10.28
	HT/VHT40, M8 to M15	2	6	-63.7	-58.8			0.1	-51.5	-41.25	10.28
	HT/VHT40, M0 to M7	3	6	-63.7	-58.8	-61.0		0.1	-49.9	-41.25	8.65
	HT/VHT40, M8 to M15	3	6	-63.7	-58.8	-61.0		0.1	-49.9	-41.25	8.65
	HT/VHT40, M16 to M23	3	6	-63.7	-58.8	-61.0		0.1	-49.9	-41.25	8.65
	HT/VHT40, M0 to M7	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HT/VHT40, M8 to M15	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HT/VHT40, M16 to M23	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HT/VHT40, M24 to M31	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HT/VHT40 Beam Forming, M0 to M7	2	9	-64.1	-59.2			0.1	-48.9	-41.25	7.68
	HT/VHT40 Beam Forming, M8 to M15	2	6	-63.7	-58.8			0.1	-51.5	-41.25	10.28
	HT/VHT40 Beam Forming, M0 to M7	3	11	-66.5	-61.4	-63.8		0.1	-47.6	-41.25	6.35
	HT/VHT40 Beam Forming, M8 to M15	3	8	-64.1	-59.2	-62.7		0.1	-48.7	-41.25	7.42
	HT/VHT40 Beam Forming, M16 to M23	3	6	-63.7	-58.8	-61.0		0.1	-49.9	-41.25	8.65
5310	HT/VHT40 Beam Forming, M0 to M7	4	12	-67.1	-61.9	-64.4	-64.2	0.1	-46.0	-41.25	4.70
2	HT/VHT40 Beam Forming, M8 to M15	4	9	-64.8	-61.0	-63.4	-63.1	0.1	-47.8	-41.25	6.53
	HT/VHT40 Beam Forming, M16 to M23	4	7	-64.1	-59.2	-62.7	-62.6	0.1	-48.7	-41.25	7.42
	HT/VHT40 Beam Forming, M24 to M31	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HT/VHT40 STBC, M0 to M7	2	6	-63.7	-58.8			0.1	-51.5	-41.25	10.28
	HT/VHT40 STBC, M0 to M7	3	6	-63.7	-58.8	-61.0		0.1	-49.9	-41.25	8.65
	HT/VHT40 STBC, M0 to M7	4	6	-64.1	-59.2	-62.7	-62.6	0.1	-49.7	-41.25	8.42
	HE40, M0 to M9 1ss	1	6	-64.2				0.1	-58.1	-41.25	16.88
	HE40, M0 to M9 1ss	2	6	-64.2	-59.3			0.1	-52.0	-41.25	10.76
	HE40, M0 to M9 2ss	2	6	-64.2	-59.3			0.1	-52.0	-41.25	10.76
	HE40, M0 to M9 1ss	3	6	-64.2	-59.3	-62.8		0.1	-50.8	-41.25	9.50
	HE40, M0 to M9 2ss	3	6	-64.2	-59.3	-62.8		0.1	-50.8	-41.25	9.50
	HE40, M0 to M9 3ss	3	6	-64.2	-59.3	-62.8		0.1	-50.8	-41.25	9.50
	HE40, M0 to M9 1ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
	HE40, M0 to M9 2ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
	HE40, M0 to M9 3ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
	HE40, M0 to M9 4ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
	HE40 Beam Forming, M0 to M9 1ss	2	9	-64.8	-60.8	02.0	02.0	0.1	-50.3	-41.25	9.03
	HE40 Beam Forming, M0 to M9 2ss	2	6	-64.2	-59.3			0.1	-52.0	-41.25	10.76
	HE40 Beam Forming, M0 to M9 1ss	3	11	-66.6	-61.5	-63.9		0.1	-47.7	-41.25	6.43
	The To Double Tolling, We to We 133	J	- 11	00.0	01.0	00.0		0.1	71.1	71.20	0.70

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	HE40 Beam Forming, M0 to M9 2ss	3	8	-64.8	-60.8	-63.3		0.1	-49.8	-41.25	8.56
	HE40 Beam Forming, M0 to M9 3ss	3	6	-64.2	-59.3	-62.8		0.1	-50.8	-41.25	9.50
	HE40 Beam Forming, M0 to M9 1ss	4	12	-67.6	-62.4	-64.9	-64.5	0.1	-46.4	-41.25	5.14
	HE40 Beam Forming, M0 to M9 2ss	4	9	-66.6	-61.5	-63.9	-63.7	0.1	-48.5	-41.25	7.23
	HE40 Beam Forming, M0 to M9 3ss	4	7	-64.8	-60.8	-63.3	-63.0	0.1	-49.6	-41.25	8.39
	HE40 Beam Forming, M0 to M9 4ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
	HE40 STBC, M0 to M9 2ss	2	6	-64.2	-59.3			0.1	-52.0	-41.25	10.76
	HE40 STBC, M0 to M9 2ss	3	6	-64.2	-59.3	-62.8		0.1	-50.8	-41.25	9.50
	HE40 STBC, M0 to M9 2ss	4	6	-64.2	-59.3	-62.8	-62.6	0.1	-49.7	-41.25	8.48
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	Non HT20, 6 to 54 Mbps	1	6	-61.7				0.1	-55.6	-41.25	14.40
	Non HT20, 6 to 54 Mbps	2	6	-62.7	-58.1			0.1	-50.8	-41.25	9.51
	Non HT20, 6 to 54 Mbps	3	6	-64.5	-60.9	-62.8		0.1	-51.7	-41.25	10.41
	Non HT20, 6 to 54 Mbps	4	6	-66.7	-62.2	-64.2	-63.6	0.1	-51.8	-41.25	10.57
	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-62.7	-58.1			0.1	-47.8	-41.25	6.51
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-64.5	-60.9	-62.8		0.1	-46.7	-41.25	5.41
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-66.7	-62.2	-64.2	-63.6	0.1	-45.8	-41.25	4.57
	HT/VHT20, M0 to M7	1	6	-62.9				0.1	-56.8	-41.25	15.60
	HT/VHT20, M0 to M7	2	6	-62.9	-58.3			0.1	-51.0	-41.25	9.70
	HT/VHT20, M8 to M15	2	6	-62.9	-58.3			0.1	-51.0	-41.25	9.70
	HT/VHT20, M0 to M7	3	6	-64.6	-61.2	-62.9		0.1	-51.9	-41.25	10.61
	HT/VHT20, M8 to M15	3	6	-62.9	-58.3	-59.9		0.1	-49.2	-41.25	7.90
	HT/VHT20, M16 to M23	3	6	-62.9	-58.3	-59.9		0.1	-49.2	-41.25	7.90
	HT/VHT20, M0 to M7	4	6	-66.8	-62.4	-64.4	-63.8	0.1	-52.0	-41.25	10.75
	HT/VHT20, M8 to M15	4	6	-63.9	-60.8	-61.2	-61.2	0.1	-49.5	-41.25	8.29
02	HT/VHT20, M16 to M23	4	6	-63.4	-59.1	-60.6	-60.6	0.1	-48.6	-41.25	7.35
5320	HT/VHT20, M24 to M31	4	6	-63.4	-59.1	-60.6	-60.6	0.1	-48.6	-41.25	7.35
	HT/VHT20 Beam Forming, M0 to M7	2	9	-63.4	-59.1			0.1	-48.7	-41.25	7.43
	HT/VHT20 Beam Forming, M8 to M15	2	6	-62.9	-58.3			0.1	-51.0	-41.25	9.70
	HT/VHT20 Beam Forming, M0 to M7	3	11	-64.6	-61.2	-62.9		0.1	-46.9	-41.25	5.61
	HT/VHT20 Beam Forming, M8 to M15	3	8	-63.4	-59.1	-60.6		0.1	-47.9	-41.25	6.62
	HT/VHT20 Beam Forming, M16 to M23	3	6	-62.9	-58.3	-59.9		0.1	-49.2	-41.25	7.90
	HT/VHT20 Beam Forming, M0 to M7	4	12	-66.8	-62.4	-64.4	-63.8	0.1	-46.0	-41.25	4.75
	HT/VHT20 Beam Forming, M8 to M15	4	9	-63.9	-60.8	-61.2	-61.2	0.1	-46.5	-41.25	5.29
	HT/VHT20 Beam Forming, M16 to M23	4	7	-63.4	-59.1	-60.6	-60.6	0.1	-47.6	-41.25	6.35
	HT/VHT20 Beam Forming, M24 to M31	4	6	-63.4	-59.1	-60.6	-60.6	0.1	-48.6	-41.25	7.35
	HT/VHT20 STBC, M0 to M7	2	6	-62.9	-58.3			0.1	-51.0	-41.25	9.70
	HT/VHT20 STBC, M0 to M7	3	6	-62.9	-58.3	-59.9		0.1	-49.2	-41.25	7.90
	HT/VHT20 STBC, M0 to M7	4	6	-63.9	-60.8	-61.2	-61.2	0.1	-49.5	-41.25	8.29
	HE20, M0 to M9 1ss	1	6	-63.5				0.1	-57.4	-41.25	16.18
	HE20, M0 to M9 1ss	2	6	-63.5	-58.9			0.1	-51.5	-41.25	10.29
	HE20, M0 to M9 2ss	2	6	-63.5	-58.9			0.1	-51.5	-41.25	10.29

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HE20, M0 to M9 1ss 3 6 -64.4 -61.0 -62.8 0.1 -51.7 -41.25 1 HE20, M0 to M9 2ss 3 6 -63.5 -58.9 -60.5 0.1 -49.7 -41.25 1 HE20, M0 to M9 3ss 3 6 -63.5 -58.9 -60.5 0.1 -49.7 -41.25 1 HE20, M0 to M9 1ss 4 6 -66.5 -62.3 -64.2 -63.6 0.1 -49.4 -41.25 1 HE20, M0 to M9 2ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 1 HE20, M0 to M9 3ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 1 HE20, M0 to M9 4ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 1 HE20 Beam Forming, M0 to M9 1ss 2 9 -63.9 -60.5 -60.7 0.1 -48.5 -41.25 1 HE20 Beam Forming, M0 to M9 2ss 2 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.8 -41.25 1 HE20 Beam Forming, M0 to M9 2ss 2 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.8 -41.25 1 HE20 Beam Forming, M0 to M9 2ss 3 8 -63.9 -60.5 -60.1 -0.1 -48.8 -41.25 1 HE20 Beam Forming, M0 to M9 2ss 3 8 -63.9 -60.5 -61.1 -0.1 -48.8 -41.25 1 HE20 Beam Forming, M0 to M9 3ss 3 6 -63.5 -58.9 -60.5 -61.1 -61.3 0.1 -49.7 -41.25 1 HE20 Beam Forming, M0 to M9 3ss 4 12 -66.5 -66.3 -64.2 -63.6 0.1 -45.8 -41.25 1 HE20 Beam Forming, M0 to M9 3ss 4 7 -63.9 -60.5 -61.1 -61.3 0.1 -48.4 -41.25 1 HE20 Beam Forming, M0 to M9 4ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -48.5 -41.25 1 HE20 Beam Forming, M0 to M9 4ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -49.7 -41.25 1 HE20 Beam Forming, M0 to M9 2ss 4 9 -63.9 -60.5 -61.1 -61.3 0.1 -48.4 -41.25 1 HE20 Beam Forming, M0 to M9 4ss 4 6 -63.5 -58.9 -60.5 -60.7 0.1 -49.7 -41.25 1 HE20 STBC, M0 to M9 2ss 4 6 -63.0 -58.7 -59.5 -59.6 0.1 -47.9 -41.25 1 Non HT160, 6 to 54 Mbps 3 6 -63.0 -58.7 -59.5 -59.6 0.1 -47.9 -41.25 1 Non HT160, 6 to 54 Mbps
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HE20 Beam Forming, M0 to M9 3ss
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Non HT160, 6 to 54 Mbps 1 6 -63.0 0.1 -56.9 -41.25 1 Non HT160, 6 to 54 Mbps 2 6 -63.0 -58.7 0.1 -51.3 -41.25 1 Non HT160, 6 to 54 Mbps 3 6 -63.0 -58.7 -59.5 0.1 -49.2 -41.25 7
Non HT160, 6 to 54 Mbps 2 6 -63.0 -58.7 0.1 -51.3 -41.25 1 Non HT160, 6 to 54 Mbps 3 6 -63.0 -58.7 -59.5 0.1 -49.2 -41.25 7
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Non HT160, 6 to 54 Mbps 3 6 -63.0 -58.7 -59.5 0.1 -49.2 -41.25
Non HT160, 6 to 54 Mbps 4 6 62 0 59 7 50 5 50 6 04 47 0 44 25
Non HT160, 6 to 54 Mbps 4 6 -63.0 -58.7 -59.5 -59.6 0.1 -47.9 -41.25 (
VHT160, M0 to M9 1ss 1 6 -63.6 0.1 -57.5 -41.25 1
VHT160, M0 to M9 1ss 2 6 -63.6 -60.2 0.1 -52.5 -41.25 1
VHT160, M0 to M9 2ss 2 6 -63.6 -60.2 0.1 -52.5 -41.25 1
VHT160, M0 to M9 1ss 3 6 -63.6 -60.2 -61.2 0.1 -50.6 -41.25 9
VHT160, M0 to M9 2ss 3 6 -63.6 -60.2 -61.2 0.1 -50.6 -41.25 9
VHT160, M0 to M9 3ss 3 6 -63.6 -60.2 -61.2 0.1 -50.6 -41.25 9
G VHT160, M0 to M9 1ss 4 6 -64.8 -61.0 -62.2 -61.9 0.1 -50.2 -41.25 8
CR VHT160, M0 to M9 1ss 4 6 -64.8 -61.0 -62.2 -61.9 0.1 -50.2 -41.25 8 VHT160, M0 to M9 2ss 4 6 -64.8 -61.0 -62.2 -61.9 0.1 -50.2 -41.25 8
VHT160, M0 to M9 3ss 4 6 -64.8 -61.0 -62.2 -61.9 0.1 -50.2 -41.25 8
VHT160, M0 to M9 4ss 4 6 -64.8 -61.0 -62.2 -61.9 0.1 -50.2 -41.25 8
VHT160 Beam Forming, M0 to M9 1ss 2 9 -64.8 -61.0 0.1 -50.4 -41.25 9
VHT160 Beam Forming, M0 to M9 2ss 2 6 -63.6 -60.2 0.1 -52.5 -41.25 1
VHT160 Beam Forming, M0 to M9 1ss 3 11 -66.2 -61.8 -62.4 0.1 -47.3 -41.25 6
VHT160 Beam Forming, M0 to M9 2ss 3 8 -64.8 -61.0 -62.2 0.1 -49.6 -41.25 8
VHT160 Beam Forming, M0 to M9 3ss 3 6 -63.6 -60.2 -61.2 0.1 -50.6 -41.25 9
VHT160 Beam Forming, M0 to M9 1ss
VHT160 Beam Forming, M0 to M9 2ss
VITI 100 Death Folling, Wo to We 255 4 3 -00.2 -01.0 -02.4 -02.5 0.1 -47.9 -41.25 0

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VHT160 Beam Forming, M0 to M9 4ss	4	6	-64.8	-61.0	-62.2	-61.9	0.1	-50.2	-41.25	8.94
VHT160 STBC, M0 to M9 1ss	2	6	-63.6	-60.2			0.1	-52.5	-41.25	11.26
VHT160 STBC, M0 to M9 1ss	3	6	-63.6	-60.2	-61.2		0.1	-50.6	-41.25	9.37
VHT160 STBC, M0 to M9 1ss	4	6	-64.8	-61.0	-62.2	-61.9	0.1	-50.2	-41.25	8.94
HE160, M0 to M9 1ss	1	6	-61.4				0.1	-55.3	-41.25	14.08
HE160, M0 to M9 1ss	2	6	-63.0	-58.8			0.1	-51.3	-41.25	10.08
HE160, M0 to M9 2ss	2	6	-63.0	-58.8			0.1	-51.3	-41.25	10.08
HE160, M0 to M9 1ss	3	6	-63.0	-58.8	-59.4		0.1	-49.2	-41.25	7.96
HE160, M0 to M9 2ss	3	6	-63.0	-58.8	-59.4		0.1	-49.2	-41.25	7.96
HE160, M0 to M9 3ss	3	6	-63.0	-58.8	-59.4		0.1	-49.2	-41.25	7.96
HE160, M0 to M9 1ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57
HE160, M0 to M9 2ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57
HE160, M0 to M9 3ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57
HE160, M0 to M9 4ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57
HE160 Beam Forming, M0 to M9 1ss	2	9	-63.8	-60.0			0.1	-49.4	-41.25	8.17
HE160 Beam Forming, M0 to M9 2ss	2	6	-63.0	-58.8			0.1	-51.3	-41.25	10.08
HE160 Beam Forming, M0 to M9 1ss	3	11	-64.4	-61.0	-62.1		0.1	-46.4	-41.25	5.19
HE160 Beam Forming, M0 to M9 2ss	3	8	-63.8	-60.0	-61.2		0.1	-48.6	-41.25	7.31
HE160 Beam Forming, M0 to M9 3ss	3	6	-63.0	-58.8	-59.4		0.1	-49.2	-41.25	7.96
HE160 Beam Forming, M0 to M9 1ss	4	12	-66.2	-61.8	-62.7	-62.2	0.1	-44.8	-41.25	3.59
HE160 Beam Forming, M0 to M9 2ss	4	9	-64.4	-61.0	-62.1	-61.5	0.1	-47.0	-41.25	5.73
HE160 Beam Forming, M0 to M9 3ss	4	7	-63.8	-60.0	-61.2	-60.6	0.1	-48.1	-41.25	6.84
HE160 Beam Forming, M0 to M9 4ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57
HE160 STBC, M0 to M9 1ss	2	6	-63.0	-58.8			0.1	-51.3	-41.25	10.08
HE160 STBC, M0 to M9 1ss	3	6	-63.0	-58.8	-59.4		0.1	-49.2	-41.25	7.96
HE160 STBC, M0 to M9 1ss	4	6	-63.0	-58.8	-59.4	-59.5	0.1	-47.8	-41.25	6.57

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Conducted Spurs Average, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7



Antenna A



Antenna B



Antenna C



Antenna D



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Spur Power (dBm)	Tx 2 Spur Power (dBm)	Tx 3 Spur Power (dBm)	Tx 4 Spur Power (dBm)	Tx 5 Spur Power (dBm)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	1	6	-50.0				0.1	-43.9	-21.25	22.70
	Non HT20, 6 to 54 Mbps	2	6	-52.3	-47.5			0.1	-40.2	-21.25	18.96
	Non HT20, 6 to 54 Mbps	3	6	-52.3	-49.9	-53.0		0.1	-40.7	-21.25	19.45
	Non HT20, 6 to 54 Mbps	4	6	-55.4	-51.4	-53.4	-53.4	0.1	-41.1	-21.25	19.85
	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-52.3	-47.5			0.1	-37.2	-21.25	15.96
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-52.3	-49.9	-53.0		0.1	-35.7	-21.25	14.45
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-55.4	-51.4	-53.4	-53.4	0.1	-35.1	-21.25	13.85
	HT/VHT20, M0 to M7	1	6	-49.8				0.1	-43.7	-21.25	22.50
	HT/VHT20, M0 to M7	2	6	-50.8	-47.3			0.1	-39.6	-21.25	18.39
	HT/VHT20, M8 to M15	2	6	-49.8	-44.9			0.1	-37.6	-21.25	16.38
	HT/VHT20, M0 to M7	3	6	-53.7	-50.1	-51.8		0.1	-40.8	-21.25	19.55
	HT/VHT20, M8 to M15	3	6	-52.1	-47.3	-49.5		0.1	-38.4	-21.25	17.13
	HT/VHT20, M16 to M23	3	6	-49.8	-44.9	-48.4		0.1	-36.4	-21.25	15.12
	HT/VHT20, M0 to M7	4	6	-55.9	-52.0	-53.0	-53.2	0.1	-41.2	-21.25	19.98
	HT/VHT20, M8 to M15	4	6	-53.0	-47.9	-51.1	-52.4	0.1	-38.5	-21.25	17.29
90	HT/VHT20, M16 to M23	4	6	-52.1	-47.3	-49.5	-49.1	0.1	-37.1	-21.25	15.86
5260	HT/VHT20, M24 to M31	4	6	-50.8	-47.3	-49.0	-48.5	0.1	-36.7	-21.25	15.40
	HT/VHT20 Beam Forming, M0 to M7	2	9	-50.8	-47.3			0.1	-36.6	-21.25	15.39
	HT/VHT20 Beam Forming, M8 to M15	2	6	-49.8	-44.9			0.1	-37.6	-21.25	16.38
	HT/VHT20 Beam Forming, M0 to M7	3	11	-53.7	-50.1	-51.8		0.1	-35.8	-21.25	14.55
	HT/VHT20 Beam Forming, M8 to M15	3	8	-52.1	-47.3	-49.5		0.1	-36.4	-21.25	15.13
	HT/VHT20 Beam Forming, M16 to M23	3	6	-49.8	-44.9	-48.4		0.1	-36.4	-21.25	15.12
	HT/VHT20 Beam Forming, M0 to M7	4	12	-55.9	-52.0	-53.0	-53.2	0.1	-35.2	-21.25	13.98
	HT/VHT20 Beam Forming, M8 to M15	4	9	-53.0	-47.9	-51.1	-52.4	0.1	-35.5	-21.25	14.29
	HT/VHT20 Beam Forming, M16 to M23	4	7	-52.1	-47.3	-49.5	-49.1	0.1	-36.1	-21.25	14.86
	HT/VHT20 Beam Forming, M24 to M31	4	6	-50.8	-47.3	-49.0	-48.5	0.1	-36.7	-21.25	15.40
	HT/VHT20 STBC, M0 to M7	2	6	-49.8	-44.9			0.1	-37.6	-21.25	16.38
	HT/VHT20 STBC, M0 to M7	3	6	-52.1	-47.3	-49.5		0.1	-38.4	-21.25	17.13
	HT/VHT20 STBC, M0 to M7	4	6	-53.0	-47.9	-51.1	-52.4	0.1	-38.5	-21.25	17.29
	HE20, M0 to M9 1ss	1	6	-50.4				0.1	-44.3	-21.25	23.08
	HE20, M0 to M9 1ss	2	6	-51.7	-47.4			0.1	-40.0	-21.25	18.71
	HE20, M0 to M9 2ss	2	6	-50.4	-46.1			0.1	-38.7	-21.25	17.41

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	HE20, M0 to M9 1ss	3	6	-53.5	-49.4	-51.9		0.1	-40.4	-21.25	19.18
	HE20, M0 to M9 2ss	3	6	-51.7	-47.4	-49.0		0.1	-38.2	-21.25	16.94
	HE20, M0 to M9 3ss	3	6	-50.4	-46.1	-47.8		0.1	-36.9	-21.25	15.67
	HE20, M0 to M9 1ss	4	6	-55.9	-50.9	-53.1	-53.6	0.1	-40.9	-21.25	19.68
	HE20, M0 to M9 2ss	4	6	-52.5	-49.0	-49.8	-51.2	0.1	-38.3	-21.25	17.09
	HE20, M0 to M9 3ss	4	6	-51.7	-47.4	-49.0	-49.3	0.1	-37.0	-21.25	15.75
	HE20, M0 to M9 4ss	4	6	-50.8	-46.0	-48.2	-48.1	0.1	-35.9	-21.25	14.62
	HE20 Beam Forming, M0 to M9 1ss	2	9	-51.7	-47.4			0.1	-37.0	-21.25	15.71
	HE20 Beam Forming, M0 to M9 2ss	2	6	-50.4	-46.1			0.1	-38.7	-21.25	17.41
	HE20 Beam Forming, M0 to M9 1ss	3	11	-53.5	-49.4	-51.9		0.1	-35.4	-21.25	14.18
	HE20 Beam Forming, M0 to M9 2ss	3	8	-51.7	-47.4	-49.0		0.1	-36.2	-21.25	14.94
	HE20 Beam Forming, M0 to M9 3ss	3	6	-50.4	-46.1	-47.8		0.1	-36.9	-21.25	15.67
	HE20 Beam Forming, M0 to M9 1ss	4	12	-55.9	-50.9	-53.1	-53.6	0.1	-34.9	-21.25	13.68
	HE20 Beam Forming, M0 to M9 2ss	4	9	-52.5	-49.0	-49.8	-51.2	0.1	-35.3	-21.25	14.09
	HE20 Beam Forming, M0 to M9 3ss	4	7	-51.7	-47.4	-49.0	-49.3	0.1	-36.0	-21.25	14.75
	HE20 Beam Forming, M0 to M9 4ss	4	6	-50.8	-46.0	-48.2	-48.1	0.1	-35.9	-21.25	14.62
	HE20 STBC, M0 to M9 2ss	2	6	-50.4	-46.1			0.1	-38.7	-21.25	17.41
	HE20 STBC, M0 to M9 2ss	3	6	-51.7	-47.4	-49.0		0.1	-38.2	-21.25	16.94
	HE20 STBC, M0 to M9 2ss	4	6	-52.5	-49.0	-49.8	-51.2	0.1	-38.3	-21.25	17.09
			<u>-</u>					<u>-</u>			
	Non HT40, 6 to 54 Mbps	1	6	-50.4				0.0	-44.4	-21.25	23.11
	Non HT40, 6 to 54 Mbps	2	6	-50.4	-45.5			0.0	-38.2	-21.25	16.99
	Non HT40, 6 to 54 Mbps	3	6	-52.4	-47.2	-48.7		0.0	-38.1	-21.25	16.87
	Non HT40, 6 to 54 Mbps	4	6	-52.5	-48.6	-49.8	-50.2	0.0	-38.0	-21.25	16.75
	HT/VHT40, M0 to M7	1	6	-50.6				0.1	-44.5	-21.25	23.25
	HT/VHT40, M0 to M7	2	6	-50.6	-46.0			0.1	-38.6	-21.25	17.35
	HT/VHT40, M8 to M15	2	6	-50.6	-46.0			0.1	-38.6	-21.25	17.35
	HT/VHT40, M0 to M7	3	6	-52.2	-47.0	-49.5		0.1	-38.2	-21.25	16.94
	HT/VHT40, M8 to M15	3	6	-50.6	-46.0	-48.1		0.1	-37.0	-21.25	15.72
	HT/VHT40, M16 to M23	3	6	-50.6	-46.0	-48.1		0.1	-37.0	-21.25	15.72
2	HT/VHT40, M0 to M7	4	6	-53.6	-49.2	-50.1	-51.5	0.1	-38.7	-21.25	17.43
5270	HT/VHT40, M8 to M15	4	6	-50.4	-46.1	-48.4	-49.2	0.1	-36.1	-21.25	14.86
	HT/VHT40, M16 to M23	4	6	-50.6	-46.0	-48.1	-48.0	0.1	-35.8	-21.25	14.51
	HT/VHT40, M24 to M31	4	6	-50.6	-46.0	-48.1	-48.0	0.1	-35.8	-21.25	14.51
	HT/VHT40 Beam Forming, M0 to M7	2	9	-50.6	-46.0			0.1	-35.6	-21.25	14.35
	HT/VHT40 Beam Forming, M8 to M15	2	6	-50.6	-46.0			0.1	-38.6	-21.25	17.35
	HT/VHT40 Beam Forming, M0 to M7	3	11	-52.4	-48.1	-50.2		0.1	-34.0	-21.25	12.76
	HT/VHT40 Beam Forming, M8 to M15	3	8	-50.6	-46.0	-48.1		0.1	-35.0	-21.25	13.72
	HT/VHT40 Beam Forming, M16 to M23	3	6	-50.6	-46.0	-48.1		0.1	-37.0	-21.25	15.72
	HT/VHT40 Beam Forming, M0 to M7	4	12	-53.1	-49.9	-52.1	-52.6	0.1	-33.6	-21.25	12.37
	HT/VHT40 Beam Forming, M8 to M15	4	9	-52.2	-47.0	-49.5	-48.7	0.1	-33.8	-21.25	12.60
	HT/VHT40 Beam Forming, M16 to M23	4	7	-50.6	-46.0	-48.1	-48.0	0.1	-34.8	-21.25	13.51
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HT/VHT40 STBC, M0 to M7												
HT/VHT40 STBC, M0 to M7		HT/VHT40 Beam Forming, M24 to M31	4	6	-50.6	-46.0	-48.1	-48.0	0.1	-35.8	-21.25	14.51
HT/VHT40 STBC, M0 to M7		HT/VHT40 STBC, M0 to M7	2	6	-50.6	-46.0			0.1	-38.6	-21.25	17.35
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	3	6	-50.6	-46.0	-48.1		0.1	-37.0	-21.25	15.72
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	4	6	-52.2	-47.0	-49.5	-48.7	0.1	-36.8	-21.25	15.60
HE40, M0 to M9 2ss		HE40, M0 to M9 1ss	1	6	-50.6				0.1	-44.5	-21.25	23.22
HE40, M0 to M9 1ss		HE40, M0 to M9 1ss	2	6	-50.6	-45.9			0.1	-38.5	-21.25	17.26
HE40, M0 to M9 2ss		HE40, M0 to M9 2ss	2	6	-50.6	-45.9			0.1	-38.5	-21.25	17.26
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	3	6	-51.9	-47.2	-49.3		0.1	-38.2	-21.25	16.91
HE40, M0 to M9 1ss		HE40, M0 to M9 2ss	3	6	-50.6	-45.9	-47.7		0.1	-36.8	-21.25	15.52
HE40, M0 to M9 2ss		HE40, M0 to M9 3ss	3	6	-50.6	-45.9	-47.7		0.1	-36.8	-21.25	15.52
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	4	6	-53.5	-47.9	-50.2	-50.3	0.1	-37.9	-21.25	16.65
HE40, M0 to M9 4ss		HE40, M0 to M9 2ss	4	6	-50.6	-45.5	-48.5	-49.3	0.1	-35.9	-21.25	14.65
HE40 Beam Forming, M0 to M9 1ss 2 9 -50.6 -45.9 0.1 -35.5 -21.25 14. HE40 Beam Forming, M0 to M9 2ss 2 6 -50.6 -45.9 0.1 -38.5 -21.25 17. HE40 Beam Forming, M0 to M9 1ss 3 11 -53.5 -47.9 -50.2 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 3 8 -50.6 -45.5 -48.5 0.1 -34.8 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 Beam Forming, M0 to M9 1ss 4 12 -54.2 -49.9 -53.3 -53.1 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 4 9 -52.2 -47.6 -49.7 -50.0 0.1 -34.4 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 4 7 -50.6 -45.5 -48.5 -49.3 0.1 -34.9 -21.25 13. HE40 Beam Forming, M0 to M9 4ss 4 6 -50.6 -45.9 -47.7 -48.0 0.1 -35.6 -21.25 14. HE40 STBC, M0 to M9 2ss 2 6 -50.6 -45.9 -47.7 -48.0 0.1 -36.8 -21.25 15. HE40 STBC, M0 to M9 2ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. Non HT80, 6 to 54 Mbps 1 6 -54.0 0.1 -37.0 -21.25 15. Non HT80, 6 to 54 Mbps 3 6 -54.0 -49.2 0.1 -47.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40, M0 to M9 3ss	4	6	-50.6	-45.9	-47.7	-48.0	0.1	-35.6	-21.25	14.35
HE40 Beam Forming, M0 to M9 2ss 2 6 -50.6 -45.9 0.1 -38.5 -21.25 17. HE40 Beam Forming, M0 to M9 1ss 3 11 -53.5 -47.9 -50.2 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 3 8 -50.6 -45.5 -48.5 0.1 -34.8 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 Beam Forming, M0 to M9 1ss 4 12 -54.2 -49.9 -53.3 -53.1 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 4 9 -52.2 -47.6 -49.7 -50.0 0.1 -34.4 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 4 7 -50.6 -45.5 -48.5 -49.3 0.1 -34.9 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 4 7 -50.6 -45.9 -47.7 -48.0 0.1 -35.6 -21.25 14. HE40 Beam Forming, M0 to M9 4ss 4 6 -50.6 -45.9 -47.7 -48.0 0.1 -35.6 -21.25 14. HE40 STBC, M0 to M9 2ss 2 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 STBC, M0 to M9 2ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. Non HT80, 6 to 54 Mbps 1 6 -54.0 -49.2 0.1 -47.9 -21.25 26. Non HT80, 6 to 54 Mbps 3 6 -54.0 -49.2 0.1 -47.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40, M0 to M9 4ss	4	6	-50.6	-45.9	-47.7	-48.0	0.1	-35.6	-21.25	14.35
HE40 Beam Forming, M0 to M9 1ss 3 11 -53.5 -47.9 -50.2 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 3 8 -50.6 -45.5 -48.5 0.1 -34.8 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 Beam Forming, M0 to M9 1ss 4 12 -54.2 -49.9 -53.3 -53.1 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 4 9 -52.2 -47.6 -49.7 -50.0 0.1 -34.4 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 4 7 -50.6 -45.5 -48.5 -49.3 0.1 -34.9 -21.25 13. HE40 Beam Forming, M0 to M9 4ss 4 6 -50.6 -45.9 -47.7 -48.0 0.1 -35.6 -21.25 14. HE40 STBC, M0 to M9 2ss 2 6 -50.6 -45.9 -47.7 -48.0 0.1 -36.8 -21.25 17. HE40 STBC, M0 to M9 2ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 STBC, M0 to M9 2ss 4 6 -51.9 -47.2 -49.3 -49.5 0.1 -37.0 -21.25 15. Non HT80, 6 to 54 Mbps 1 6 -54.0 -49.2 0.1 -47.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40 Beam Forming, M0 to M9 1ss	2	9	-50.6	-45.9			0.1	-35.5	-21.25	14.26
HE40 Beam Forming, M0 to M9 2ss 3 8 -50.6 -45.5 -48.5 0.1 -34.8 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 Beam Forming, M0 to M9 1ss 4 12 -54.2 -49.9 -53.3 -53.1 0.1 -34.1 -21.25 12. HE40 Beam Forming, M0 to M9 2ss 4 9 -52.2 -47.6 -49.7 -50.0 0.1 -34.4 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 4 7 -50.6 -45.5 -48.5 -49.3 0.1 -34.9 -21.25 13. HE40 Beam Forming, M0 to M9 3ss 4 6 -50.6 -45.9 -47.7 -48.0 0.1 -35.6 -21.25 14. HE40 STBC, M0 to M9 2ss 2 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 17. HE40 STBC, M0 to M9 2ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 STBC, M0 to M9 2ss 4 6 -51.9 -47.2 -49.3 -49.5 0.1 -37.0 -21.25 15. Non HT80, 6 to 54 Mbps 1 6 -54.0 0.1 -47.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40 Beam Forming, M0 to M9 2ss	2	6	-50.6	-45.9			0.1	-38.5	-21.25	17.26
HE40 Beam Forming, M0 to M9 3ss		HE40 Beam Forming, M0 to M9 1ss	3	11	-53.5	-47.9	-50.2		0.1	-34.1	-21.25	12.82
HE40 Beam Forming, M0 to M9 3ss		HE40 Beam Forming, M0 to M9 2ss	3	8	-50.6	-45.5	-48.5		0.1	-34.8	-21.25	13.55
HE40 Beam Forming, M0 to M9 1ss			3	6	-50.6	-45.9	-47.7		0.1	-36.8	-21.25	15.52
HE40 Beam Forming, M0 to M9 2ss			4	12	-54.2	-49.9	-53.3	-53.1	0.1	-34.1	-21.25	12.89
HE40 Beam Forming, M0 to M9 4ss		HE40 Beam Forming, M0 to M9 2ss	4	9	-52.2	-47.6	-49.7	-50.0	0.1	-34.4	-21.25	13.18
HE40 STBC, M0 to M9 2ss 2 6 -50.6 -45.9 0.1 -38.5 -21.25 17. HE40 STBC, M0 to M9 2ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 STBC, M0 to M9 2ss 4 6 -51.9 -47.2 -49.3 -49.5 0.1 -37.0 -21.25 15. Non HT80, 6 to 54 Mbps 2 6 -54.0 -49.2 0.1 -41.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20. Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40 Beam Forming, M0 to M9 3ss	4	7	-50.6	-45.5	-48.5	-49.3	0.1	-34.9	-21.25	13.65
HE40 STBC, M0 to M9 2ss 3 6 -50.6 -45.9 -47.7 0.1 -36.8 -21.25 15. HE40 STBC, M0 to M9 2ss 4 6 -51.9 -47.2 -49.3 -49.5 0.1 -37.0 -21.25 15. Non HT80, 6 to 54 Mbps 1 6 -54.0 0.1 -47.9 -21.25 26. Non HT80, 6 to 54 Mbps 2 6 -54.0 -49.2 0.1 -41.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20. Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40 Beam Forming, M0 to M9 4ss	4	6	-50.6	-45.9	-47.7	-48.0	0.1	-35.6	-21.25	14.35
HE40 STBC, M0 to M9 2ss 4 6 -51.9 -47.2 -49.3 -49.5 0.1 -37.0 -21.25 15. Non HT80, 6 to 54 Mbps 1 6 -54.0 0.1 -47.9 -21.25 26. Non HT80, 6 to 54 Mbps 2 6 -54.0 -49.2 0.1 -41.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20. Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40 STBC, M0 to M9 2ss	2	6	-50.6	-45.9			0.1	-38.5	-21.25	17.26
Non HT80, 6 to 54 Mbps 1 6 -54.0 0.1 -47.9 -21.25 26. Non HT80, 6 to 54 Mbps 2 6 -54.0 -49.2 0.1 -41.9 -21.25 20. Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20. Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		HE40 STBC, M0 to M9 2ss	3	6	-50.6	-45.9	-47.7		0.1	-36.8	-21.25	15.52
Non HT80, 6 to 54 Mbps 2 6 -54.0 -49.2 0.1 -41.9 -21.25 20.0 Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20.0 Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18.0 VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.0		HE40 STBC, M0 to M9 2ss	4	6	-51.9	-47.2	-49.3	-49.5	0.1	-37.0	-21.25	15.77
Non HT80, 6 to 54 Mbps 2 6 -54.0 -49.2 0.1 -41.9 -21.25 20.0 Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20.0 Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18.0 VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.0												
Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20. Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.		Non HT80, 6 to 54 Mbps	1	6	-54.0				0.1	-47.9	-21.25	26.70
Non HT80, 6 to 54 Mbps 3 6 -54.7 -50.8 -52.3 0.1 -41.5 -21.25 20.0 Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18.0 VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.0			2	6	-54.0	-49.2			0.1	-41.9	-21.25	20.66
Non HT80, 6 to 54 Mbps 4 6 -54.7 -50.8 -52.3 -52.0 0.1 -40.2 -21.25 18. VHT80, M0 to M9 1ss 1 6 -52.9 0.2 -46.7 -21.25 25.			3	6	-54.7	-50.8	-52.3		0.1	-41.5	-21.25	20.25
		Non HT80, 6 to 54 Mbps	4	6	-54.7	-50.8	-52.3	-52.0	0.1	-40.2	-21.25	18.91
WITTO MOVE MOVE		VHT80, M0 to M9 1ss	1	6	-52.9				0.2	-46.7	-21.25	25.43
VHT8U, MU to M9 1ss		VHT80, M0 to M9 1ss	2	6	-54.3	-50.2			0.2	-42.6	-21.25	21.31
VHT80, M0 to M9 2ss 2 6 -54.3 -50.2 0.2 -42.6 -21.25 21.		VHT80, M0 to M9 2ss	2	6	-54.3	-50.2			0.2	-42.6	-21.25	21.31
VHT80, M0 to M9 1ss 3 6 -54.3 -50.2 -50.2 0.2 -40.2 -21.25 18.	230	VHT80, M0 to M9 1ss	3	6	-54.3	-50.2	-50.2		0.2	-40.2	-21.25	18.95
VHT80, M0 to M9 2ss 3 6 -54.3 -50.2 -50.2 0.2 -40.2 -21.25 18.	5			6			-50.2			-40.2		18.95
		·		6								18.95
				6				-51.7				17.82
		·		6							1	17.82
		VHT80, M0 to M9 3ss	4	6								17.82
				6								17.82
		VHT80 Beam Forming, M0 to M9 1ss	2	9	-54.6	-51.4			0.2	-40.5	-21.25	19.24

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	VHT80 Beam Forming, M0 to M9 2ss	2	6	-54.3	-50.2			0.2	-42.6	-21.25	21.31
	VHT80 Beam Forming, M0 to M9 1ss	3	11	-56.1	-51.5	-52.6		0.2	-37.0	-21.25	15.76
	VHT80 Beam Forming, M0 to M9 2ss	3	8	-54.6	-51.4	-52.8		0.2	-39.8	-21.25	18.50
	VHT80 Beam Forming, M0 to M9 3ss	3	6	-54.3	-50.2	-50.2		0.2	-40.2	-21.25	18.95
	VHT80 Beam Forming, M0 to M9 1ss	4	12	-56.9	-52.1	-53.5	-53.7	0.2	-35.5	-21.25	14.24
	VHT80 Beam Forming, M0 to M9 2ss	4	9	-56.1	-51.5	-52.6	-53.0	0.2	-37.8	-21.25	16.51
	VHT80 Beam Forming, M0 to M9 3ss	4	7	-54.6	-51.4	-52.8	-51.7	0.2	-39.2	-21.25	17.97
	VHT80 Beam Forming, M0 to M9 4ss	4	6	-54.3	-50.2	-50.2	-51.7	0.2	-39.1	-21.25	17.82
	VHT80 STBC, M0 to M9 1ss	2	6	-54.3	-50.2			0.2	-42.6	-21.25	21.31
	VHT80 STBC, M0 to M9 1ss	3	6	-54.3	-50.2	-50.2		0.2	-40.2	-21.25	18.95
	VHT80 STBC, M0 to M9 1ss	4	6	-54.3	-50.2	-50.2	-51.7	0.2	-39.1	-21.25	17.82
	HE80, M0 to M9 1ss	1	6	-53.7				0.3	-47.4	-21.25	26.20
	HE80, M0 to M9 1ss	2	6	-53.7	-50.1			0.3	-42.3	-21.25	21.03
	HE80, M0 to M9 2ss	2	6	-53.7	-50.1			0.3	-42.3	-21.25	21.03
	HE80, M0 to M9 1ss	3	6	-53.7	-50.1	-50.7		0.3	-40.2	-21.25	18.97
	HE80, M0 to M9 2ss	3	6	-53.7	-50.1	-50.7		0.3	-40.2	-21.25	18.97
	HE80, M0 to M9 3ss	3	6	-53.7	-50.1	-50.7		0.3	-40.2	-21.25	18.97
	HE80, M0 to M9 1ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
	HE80, M0 to M9 2ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
	HE80, M0 to M9 3ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
	HE80, M0 to M9 4ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
	HE80 Beam Forming, M0 to M9 1ss	2	9	-54.8	-51.4			0.3	-40.5	-21.25	19.26
	HE80 Beam Forming, M0 to M9 2ss	2	6	-53.7	-50.1			0.3	-42.3	-21.25	21.03
	HE80 Beam Forming, M0 to M9 1ss	3	11	-56.3	-52.4	-53.0		0.3	-37.6	-21.25	16.32
	HE80 Beam Forming, M0 to M9 2ss	3	8	-54.8	-51.4	-52.3		0.3	-39.6	-21.25	18.34
	HE80 Beam Forming, M0 to M9 3ss	3	6	-53.7	-50.1	-50.7		0.3	-40.2	-21.25	18.97
	HE80 Beam Forming, M0 to M9 1ss	4	12	-57.3	-51.8	-53.8	-53.3	0.3	-35.4	-21.25	14.12
	HE80 Beam Forming, M0 to M9 2ss	4	9	-56.9	-51.4	-53.0	-52.5	0.3	-37.8	-21.25	16.51
	HE80 Beam Forming, M0 to M9 3ss	4	7	-54.8	-51.4	-52.3	-53.0	0.3	-39.4	-21.25	18.18
	HE80 Beam Forming, M0 to M9 4ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
	HE80 STBC, M0 to M9 1ss	2	6	-53.7	-50.1			0.3	-42.3	-21.25	21.03
	HE80 STBC, M0 to M9 1ss	3	6	-53.7	-50.1	-50.7		0.3	-40.2	-21.25	18.97
	HE80 STBC, M0 to M9 1ss	4	6	-54.8	-51.4	-52.3	-53.0	0.3	-40.4	-21.25	19.18
				_	_				_	_	
	Non HT20, 6 to 54 Mbps	1	6	-49.6				0.1	-43.5	-21.25	22.30
	Non HT20, 6 to 54 Mbps	2	6	-51.9	-46.7			0.1	-39.5	-21.25	18.25
	Non HT20, 6 to 54 Mbps	3	6	-53.1	-48.6	-51.8		0.1	-39.9	-21.25	18.67
5300	Non HT20, 6 to 54 Mbps	4	6	-55.3	-50.4	-51.9	-52.5	0.1	-40.1	-21.25	18.87
53	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-51.9	-46.7			0.1	-36.5	-21.25	15.25
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-53.1	-48.6	-51.8		0.1	-34.9	-21.25	13.67
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-55.3	-50.4	-51.9	-52.5	0.1	-34.1	-21.25	12.87
	HT/VHT20, M0 to M7	1	6	-50.2				0.1	-44.1	-21.25	22.90

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H.	T/VHT20, M0 to M7	2	6	-51.0	-44.9			0.1	-37.9	-21.25	16.64
H.	T/VHT20, M8 to M15	2	6	-50.2	-44.5			0.1	-37.4	-21.25	16.16
H.	T/VHT20, M0 to M7	3	6	-53.9	-49.6	-52.3		0.1	-40.7	-21.25	19.49
H.	T/VHT20, M8 to M15	3	6	-51.3	-46.7	-49.8		0.1	-38.0	-21.25	16.76
H.	T/VHT20, M16 to M23	3	6	-50.2	-44.5	-47.0		0.1	-35.8	-21.25	14.57
H.	T/VHT20, M0 to M7	4	6	-54.1	-50.6	-52.1	-52.9	0.1	-40.2	-21.25	18.91
H.	T/VHT20, M8 to M15	4	6	-52.9	-48.4	-50.2	-50.1	0.1	-38.0	-21.25	16.80
H.	T/VHT20, M16 to M23	4	6	-51.3	-46.7	-49.8	-49.1	0.1	-36.8	-21.25	15.57
H.	T/VHT20, M24 to M31	4	6	-51.0	-44.9	-48.1	-48.8	0.1	-35.6	-21.25	14.31
H.	T/VHT20 Beam Forming, M0 to M7	2	9	-51.0	-44.9			0.1	-34.9	-21.25	13.64
H.	T/VHT20 Beam Forming, M8 to M15	2	6	-50.2	-44.5			0.1	-37.4	-21.25	16.16
H.	T/VHT20 Beam Forming, M0 to M7	3	11	-53.9	-49.6	-52.3		0.1	-35.7	-21.25	14.49
H.	T/VHT20 Beam Forming, M8 to M15	3	8	-51.3	-46.7	-49.8		0.1	-36.0	-21.25	14.76
H.	T/VHT20 Beam Forming, M16 to M23	3	6	-50.2	-44.5	-47.0		0.1	-35.8	-21.25	14.57
H.	T/VHT20 Beam Forming, M0 to M7	4	12	-54.1	-50.6	-52.1	-52.9	0.1	-34.2	-21.25	12.91
H.	T/VHT20 Beam Forming, M8 to M15	4	9	-52.9	-48.4	-50.2	-50.1	0.1	-35.0	-21.25	13.80
H.	T/VHT20 Beam Forming, M16 to M23	4	7	-51.3	-46.7	-49.8	-49.1	0.1	-35.8	-21.25	14.57
H.	T/VHT20 Beam Forming, M24 to M31	4	6	-51.0	-44.9	-48.1	-48.8	0.1	-35.6	-21.25	14.31
H.	T/VHT20 STBC, M0 to M7	2	6	-50.2	-44.5			0.1	-37.4	-21.25	16.16
H.	T/VHT20 STBC, M0 to M7	3	6	-51.3	-46.7	-49.8		0.1	-38.0	-21.25	16.76
H.	T/VHT20 STBC, M0 to M7	4	6	-52.9	-48.4	-50.2	-50.1	0.1	-38.0	-21.25	16.80
Н	E20, M0 to M9 1ss	1	6	-49.8				0.1	-43.7	-21.25	22.48
H	E20, M0 to M9 1ss	2	6	-51.6	-46.8			0.1	-39.5	-21.25	18.24
HI	E20, M0 to M9 2ss	2	6	-49.8	-43.7			0.1	-36.7	-21.25	15.43
H	E20, M0 to M9 1ss	3	6	-53.7	-48.8	-51.2		0.1	-39.9	-21.25	18.70
Н	E20, M0 to M9 2ss	3	6	-51.6	-46.8	-48.9		0.1	-37.8	-21.25	16.59
HI	E20, M0 to M9 3ss	3	6	-49.8	-43.7	-47.6		0.1	-35.4	-21.25	14.20
HI	E20, M0 to M9 1ss	4	6	-54.9	-50.2	-52.6	-52.8	0.1	-40.2	-21.25	18.97
HI	E20, M0 to M9 2ss	4	6	-52.9	-48.1	-50.3	-50.6	0.1	-38.1	-21.25	16.81
HI	E20, M0 to M9 3ss	4	6	-51.6	-46.8	-48.9	-49.2	0.1	-36.7	-21.25	15.46
HI	E20, M0 to M9 4ss	4	6	-49.7	-46.0	-48.4	-48.8	0.1	-35.9	-21.25	14.66
HI	E20 Beam Forming, M0 to M9 1ss	2	9	-51.6	-46.8			0.1	-36.5	-21.25	15.24
Н	E20 Beam Forming, M0 to M9 2ss	2	6	-49.8	-43.7			0.1	-36.7	-21.25	15.43
H	E20 Beam Forming, M0 to M9 1ss	3	11	-53.7	-48.8	-51.2		0.1	-34.9	-21.25	13.70
H	E20 Beam Forming, M0 to M9 2ss	3	8	-51.6	-46.8	-48.9		0.1	-35.8	-21.25	14.59
	E20 Beam Forming, M0 to M9 3ss	3	6	-49.8	-43.7	-47.6		0.1	-35.4	-21.25	14.20
Н	E20 Beam Forming, M0 to M9 1ss	4	12	-54.9	-50.2	-52.6	-52.8	0.1	-34.2	-21.25	12.97
H	E20 Beam Forming, M0 to M9 2ss	4	9	-52.9	-48.1	-50.3	-50.6	0.1	-35.1	-21.25	13.81
	E20 Beam Forming, M0 to M9 3ss	4	7	-51.6	-46.8	-48.9	-49.2	0.1	-35.7	-21.25	14.46
H	E20 Beam Forming, M0 to M9 4ss	4	6	-49.7	-46.0	-48.4	-48.8	0.1	-35.9	-21.25	14.66
H	E20 STBC, M0 to M9 2ss	2	6	-49.8	-43.7			0.1	-36.7	-21.25	15.43
H	E20 STBC, M0 to M9 2ss	3	6	-51.6	-46.8	-48.9		0.1	-37.8	-21.25	16.59

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	HE20 STBC, M0 to M9 2ss	4	6	-52.9	-48.1	-50.3	-50.6	0.1	-38.1	-21.25	16.81
	Non HT40, 6 to 54 Mbps	1	6	-52.0				0.1	-45.9	-21.25	24.70
	Non HT40, 6 to 54 Mbps	2	6	-53.9	-49.3			0.1	-42.0	-21.25	20.71
	Non HT40, 6 to 54 Mbps	3	6	-53.9	-49.3	-50.8		0.1	-40.1	-21.25	18.87
	Non HT40, 6 to 54 Mbps	4	6	-53.9	-49.3	-50.8	-52.0	0.1	-39.1	-21.25	17.86
	HT/VHT40, M0 to M7	1	6	-53.4				0.1	-47.3	-21.25	26.10
	HT/VHT40, M0 to M7	2	6	-53.4	-48.1			0.1	-40.9	-21.25	19.67
	HT/VHT40, M8 to M15	2	6	-53.4	-48.1			0.1	-40.9	-21.25	19.67
	HT/VHT40, M0 to M7	3	6	-53.4	-48.1	-50.9		0.1	-39.4	-21.25	18.20
	HT/VHT40, M8 to M15	3	6	-53.4	-48.1	-50.9		0.1	-39.4	-21.25	18.20
	HT/VHT40, M16 to M23	3	6	-53.4	-48.1	-50.9		0.1	-39.4	-21.25	18.20
	HT/VHT40, M0 to M7	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HT/VHT40, M8 to M15	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HT/VHT40, M16 to M23	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HT/VHT40, M24 to M31	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HT/VHT40 Beam Forming, M0 to M7	2	9	-53.4	-49.4			0.1	-38.9	-21.25	17.64
	HT/VHT40 Beam Forming, M8 to M15	2	6	-53.4	-48.1			0.1	-40.9	-21.25	19.67
	HT/VHT40 Beam Forming, M0 to M7	3	11	-56.0	-50.8	-53.2		0.1	-37.0	-21.25	15.76
	HT/VHT40 Beam Forming, M8 to M15	3	8	-53.4	-49.4	-51.6		0.1	-38.3	-21.25	17.09
	HT/VHT40 Beam Forming, M16 to M23	3	6	-53.4	-48.1	-50.9		0.1	-39.4	-21.25	18.20
5310	HT/VHT40 Beam Forming, M0 to M7	4	12	-56.6	-50.7	-53.4	-53.5	0.1	-35.0	-21.25	13.74
53	HT/VHT40 Beam Forming, M8 to M15	4	9	-53.9	-49.5	-53.1	-52.0	0.1	-36.7	-21.25	15.46
	HT/VHT40 Beam Forming, M16 to M23	4	7	-53.4	-49.4	-51.6	-51.7	0.1	-38.2	-21.25	16.97
	HT/VHT40 Beam Forming, M24 to M31	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HT/VHT40 STBC, M0 to M7	2	6	-53.4	-48.1			0.1	-40.9	-21.25	19.67
	HT/VHT40 STBC, M0 to M7	3	6	-53.4	-48.1	-50.9		0.1	-39.4	-21.25	18.20
	HT/VHT40 STBC, M0 to M7	4	6	-53.4	-49.4	-51.6	-51.7	0.1	-39.2	-21.25	17.97
	HE40, M0 to M9 1ss	1	6	-53.8				0.1	-47.7	-21.25	26.48
	HE40, M0 to M9 1ss	2	6	-53.8	-49.0			0.1	-41.7	-21.25	20.44
	HE40, M0 to M9 2ss	2	6	-53.8	-49.0			0.1	-41.7	-21.25	20.44
	HE40, M0 to M9 1ss	3	6	-53.8	-49.0	-51.8		0.1	-40.2	-21.25	19.00
	HE40, M0 to M9 2ss	3	6	-53.8	-49.0	-51.8		0.1	-40.2	-21.25	19.00
	HE40, M0 to M9 3ss	3	6	-53.8	-49.0	-51.8		0.1	-40.2	-21.25	19.00
	HE40, M0 to M9 1ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	HE40, M0 to M9 2ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	HE40, M0 to M9 3ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	HE40, M0 to M9 4ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	HE40 Beam Forming, M0 to M9 1ss	2	9	-54.3	-50.3			0.1	-39.8	-21.25	18.53
	HE40 Beam Forming, M0 to M9 2ss	2	6	-53.8	-49.0			0.1	-41.7	-21.25	20.44
	HE40 Beam Forming, M0 to M9 1ss	3	11	-56.1	-51.4	-52.8		0.1	-37.2	-21.25	15.94
	HE40 Beam Forming, M0 to M9 2ss	3	8	-54.3	-50.3	-52.5		0.1	-39.2	-21.25	17.97

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	HE40 Beam Forming, M0 to M9 3ss	3	6	-53.8	-49.0	-51.8		0.1	-40.2	-21.25	19.00
	HE40 Beam Forming, M0 to M9 1ss	4	12	-56.1	-51.4	-54.1	-53.3	0.1	-35.3	-21.25	14.07
	HE40 Beam Forming, M0 to M9 2ss	4	9	-56.1	-51.4	-52.8	-51.7	0.1	-37.6	-21.25	16.32
	HE40 Beam Forming, M0 to M9 3ss	4	7	-54.3	-50.3	-52.5	-53.0	0.1	-39.2	-21.25	17.94
	HE40 Beam Forming, M0 to M9 4ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	HE40 STBC, M0 to M9 2ss	2	6	-53.8	-49.0			0.1	-41.7	-21.25	20.44
	HE40 STBC, M0 to M9 2ss	3	6	-53.8	-49.0	-51.8		0.1	-40.2	-21.25	19.00
	HE40 STBC, M0 to M9 2ss	4	6	-53.8	-49.0	-51.8	-50.9	0.1	-38.9	-21.25	17.70
	Non HT20, 6 to 54 Mbps	1	6	-51.1				0.1	-45.0	-21.25	23.80
	Non HT20, 6 to 54 Mbps	2	6	-52.2	-47.2			0.1	-40.0	-21.25	18.71
	Non HT20, 6 to 54 Mbps	3	6	-54.1	-50.0	-52.6		0.1	-41.1	-21.25	19.82
	Non HT20, 6 to 54 Mbps	4	6	-56.1	-52.3	-52.9	-53.6	0.1	-41.4	-21.25	20.19
	Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-52.2	-47.2			0.1	-37.0	-21.25	15.71
	Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-54.1	-50.0	-52.6		0.1	-36.1	-21.25	14.82
	Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-56.1	-52.3	-52.9	-53.6	0.1	-35.4	-21.25	14.19
	HT/VHT20, M0 to M7	1	6	-51.4				0.1	-45.3	-21.25	24.10
	HT/VHT20, M0 to M7	2	6	-51.4	-48.2			0.1	-40.4	-21.25	19.20
	HT/VHT20, M8 to M15	2	6	-51.4	-48.2			0.1	-40.4	-21.25	19.20
	HT/VHT20, M0 to M7	3	6	-54.1	-51.2	-52.4		0.1	-41.6	-21.25	20.33
	HT/VHT20, M8 to M15	3	6	-51.4	-48.2	-49.8		0.1	-38.8	-21.25	17.53
	HT/VHT20, M16 to M23	3	6	-51.4	-48.2	-49.8		0.1	-38.8	-21.25	17.53
	HT/VHT20, M0 to M7	4	6	-56.6	-52.0	-54.4	-52.9	0.1	-41.6	-21.25	20.33
	HT/VHT20, M8 to M15	4	6	-53.0	-51.0	-50.9	-51.0	0.1	-39.3	-21.25	18.07
	HT/VHT20, M16 to M23	4	6	-53.0	-49.1	-50.9	-50.6	0.1	-38.6	-21.25	17.36
5320	HT/VHT20, M24 to M31	4	6	-53.0	-49.1	-50.9	-50.6	0.1	-38.6	-21.25	17.36
5,	HT/VHT20 Beam Forming, M0 to M7	2	9	-53.0	-49.1			0.1	-38.6	-21.25	17.31
	HT/VHT20 Beam Forming, M8 to M15	2	6	-51.4	-48.2			0.1	-40.4	-21.25	19.20
	HT/VHT20 Beam Forming, M0 to M7	3	11	-54.1	-51.2	-52.4		0.1	-36.6	-21.25	15.33
	HT/VHT20 Beam Forming, M8 to M15	3	8	-53.0	-49.1	-50.9		0.1	-37.9	-21.25	16.64
	HT/VHT20 Beam Forming, M16 to M23	3	6	-51.4	-48.2	-49.8		0.1	-38.8	-21.25	17.53
	HT/VHT20 Beam Forming, M0 to M7	4	12	-56.6	-52.0	-54.4	-52.9	0.1	-35.6	-21.25	14.33
	HT/VHT20 Beam Forming, M8 to M15	4	9	-53.0	-51.0	-50.9	-51.0	0.1	-36.3	-21.25	15.07
	HT/VHT20 Beam Forming, M16 to M23	4	7	-53.0	-49.1	-50.9	-50.6	0.1	-37.6	-21.25	16.36
	HT/VHT20 Beam Forming, M24 to M31	4	6	-53.0	-49.1	-50.9	-50.6	0.1	-38.6	-21.25	17.36
	HT/VHT20 STBC, M0 to M7	2	6	-51.4	-48.2	30.0	30.0	0.1	-40.4	-21.25	19.20
	HT/VHT20 STBC, M0 to M7	3	6	-51.4	-48.2	-49.8		0.1	-38.8	-21.25	17.53
	HT/VHT20 STBC, M0 to M7	4	6	-53.0	-51.0	-50.9	-51.0	0.1	-39.3	-21.25	18.07
	HE20, M0 to M9 1ss	1	6	-53.3	01.0	00.0	01.0	0.1	-47.2	-21.25	25.98
	HE20, M0 to M9 1ss	2	6	-53.3	-48.1			0.1	-40.9	-21.25	19.64
	HE20, M0 to M9 2ss	2	6	-53.3	-48.1			0.1	-40.9	-21.25	19.64
	HE20, M0 to M9 1ss	3	6	-54.0	-51.1	-52.7		0.1	-41.6	-21.25	20.35
	1120, 1910 to 1910 100	J	U	J -1 .0	31.1	JZ.1		0.1	71.0	21.20	20.00

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	HE20, M0 to M9 2ss	3	6	-53.3	-48.1	-49.3		0.1	-38.9	-21.25	17.64
	HE20, M0 to M9 3ss	3	6	-53.3	-48.1	-49.3		0.1	-38.9	-21.25	17.64
	HE20, M0 to M9 1ss	4	6	-56.1	-51.6	-53.5	-52.9	0.1	-41.2	-21.25	19.90
	HE20, M0 to M9 2ss	4	6	-53.7	-49.4	-50.9	-51.1	0.1	-38.9	-21.25	17.68
	HE20, M0 to M9 3ss	4	6	-53.3	-48.1	-49.3	-50.2	0.1	-37.8	-21.25	16.51
	HE20, M0 to M9 4ss	4	6	-53.3	-48.1	-49.3	-50.2	0.1	-37.8	-21.25	16.51
	HE20 Beam Forming, M0 to M9 1ss	2	9	-53.7	-49.4			0.1	-39.0	-21.25	17.71
	HE20 Beam Forming, M0 to M9 2ss	2	6	-53.3	-48.1			0.1	-40.9	-21.25	19.64
	HE20 Beam Forming, M0 to M9 1ss	3	11	-54.0	-51.1	-52.7		0.1	-36.6	-21.25	15.35
	HE20 Beam Forming, M0 to M9 2ss	3	8	-53.7	-49.4	-50.9		0.1	-38.2	-21.25	16.90
	HE20 Beam Forming, M0 to M9 3ss	3	6	-53.3	-48.1	-49.3		0.1	-38.9	-21.25	17.64
	HE20 Beam Forming, M0 to M9 1ss	4	12	-56.1	-51.6	-53.5	-52.9	0.1	-35.2	-21.25	13.90
	HE20 Beam Forming, M0 to M9 2ss	4	9	-53.7	-49.4	-50.9	-51.1	0.1	-35.9	-21.25	14.68
	HE20 Beam Forming, M0 to M9 3ss	4	7	-53.7	-49.4	-50.9	-51.1	0.1	-37.9	-21.25	16.68
	HE20 Beam Forming, M0 to M9 4ss	4	6	-53.3	-48.1	-49.3	-50.2	0.1	-37.8	-21.25	16.51
	HE20 STBC, M0 to M9 2ss	2	6	-53.3	-48.1			0.1	-40.9	-21.25	19.64
	HE20 STBC, M0 to M9 2ss	3	6	-53.3	-48.1	-49.3		0.1	-38.9	-21.25	17.64
	HE20 STBC, M0 to M9 2ss	4	6	-53.7	-49.4	-50.9	-51.1	0.1	-38.9	-21.25	17.68
	Non HT160, 6 to 54 Mbps	1	6	-52.2				0.1	-46.1	-21.25	24.90
	Non HT160, 6 to 54 Mbps	2	6	-52.2	-47.4			0.1	-40.1	-21.25	18.86
	Non HT160, 6 to 54 Mbps	3	6	-52.2	-47.4	-49.4		0.1	-38.4	-21.25	17.17
	Non HT160, 6 to 54 Mbps	4	6	-52.2	-47.4	-49.4	-49.1	0.1	-37.1	-21.25	15.89
	VHT160, M0 to M9 1ss	1	6	-49.2				0.1	-43.1	-21.25	21.90
	VHT160, M0 to M9 1ss	2	6	-49.2	-49.7			0.1	-40.4	-21.25	19.13
	VHT160, M0 to M9 2ss	2	6	-49.2	-49.7			0.1	-40.4	-21.25	19.13
	VHT160, M0 to M9 1ss	3	6	-49.2	-49.7	-51.0		0.1	-39.1	-21.25	17.83
	VHT160, M0 to M9 2ss	3	6	-49.2	-49.7	-51.0		0.1	-39.1	-21.25	17.83
	VHT160, M0 to M9 3ss	3	6	-49.2	-49.7	-51.0		0.1	-39.1	-21.25	17.83
	VHT160, M0 to M9 1ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
5250	VHT160, M0 to M9 2ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
2	VHT160, M0 to M9 3ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
	VHT160, M0 to M9 4ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
	VHT160 Beam Forming, M0 to M9 1ss	2	9	-51.7	-49.3			0.1	-38.3	-21.25	17.02
	VHT160 Beam Forming, M0 to M9 2ss	2	6	-49.2	-49.7			0.1	-40.4	-21.25	19.13
	VHT160 Beam Forming, M0 to M9 1ss	3	11	-54.5	-51.0	-51.3		0.1	-36.2	-21.25	14.93
	VHT160 Beam Forming, M0 to M9 2ss	3	8	-51.7	-49.3	-51.7		0.1	-37.9	-21.25	16.67
	VHT160 Beam Forming, M0 to M9 3ss	3	6	-49.2	-49.7	-51.0		0.1	-39.1	-21.25	17.83
	VHT160 Beam Forming, M0 to M9 1ss	4	12	-56.1	-50.9	-51.6	-52.4	0.1	-34.3	-21.25	13.03
	VHT160 Beam Forming, M0 to M9 2ss	4	9	-54.5	-51.0	-51.3	-52.1	0.1	-37.0	-21.25	15.70
	VHT160 Beam Forming, M0 to M9 3ss	4	7	-51.7	-49.3	-51.7	-51.2	0.1	-37.8	-21.25	16.53
	VHT160 Beam Forming, M0 to M9 4ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
	<u> </u>										

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VHT160 STBC, M0 to M9 1ss	2	6	-49.2	-49.7			0.1	-40.4	-21.25	19.13
VHT160 STBC, M0 to M9 1ss	3	6	-49.2	-49.7	-51.0		0.1	-39.1	-21.25	17.83
VHT160 STBC, M0 to M9 1ss	4	6	-51.7	-49.3	-51.7	-51.2	0.1	-38.8	-21.25	17.53
HE160, M0 to M9 1ss	1	6	-47.5				0.1	-41.4	-21.25	20.18
HE160, M0 to M9 1ss	2	6	-49.4	-48.6			0.1	-39.9	-21.25	18.65
HE160, M0 to M9 2ss	2	6	-49.4	-48.6			0.1	-39.9	-21.25	18.65
HE160, M0 to M9 1ss	3	6	-49.4	-48.6	-49.3		0.1	-38.2	-21.25	17.00
HE160, M0 to M9 2ss	3	6	-49.4	-48.6	-49.3		0.1	-38.2	-21.25	17.00
HE160, M0 to M9 3ss	3	6	-49.4	-48.6	-49.3		0.1	-38.2	-21.25	17.00
HE160, M0 to M9 1ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65
HE160, M0 to M9 2ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65
HE160, M0 to M9 3ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65
HE160, M0 to M9 4ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65
HE160 Beam Forming, M0 to M9 1ss	2	9	-51.6	-49.0			0.1	-38.0	-21.25	16.78
HE160 Beam Forming, M0 to M9 2ss	2	6	-49.4	-48.6			0.1	-39.9	-21.25	18.65
HE160 Beam Forming, M0 to M9 1ss	3	11	-52.6	-49.9	-51.0		0.1	-35.2	-21.25	13.94
HE160 Beam Forming, M0 to M9 2ss	3	8	-51.6	-49.0	-50.3		0.1	-37.3	-21.25	16.08
HE160 Beam Forming, M0 to M9 3ss	3	6	-49.4	-48.6	-49.3		0.1	-38.2	-21.25	17.00
HE160 Beam Forming, M0 to M9 1ss	4	12	-54.4	-49.9	-52.2	-50.4	0.1	-33.3	-21.25	12.06
HE160 Beam Forming, M0 to M9 2ss	4	9	-52.6	-49.9	-51.0	-50.6	0.1	-35.8	-21.25	14.58
HE160 Beam Forming, M0 to M9 3ss	4	7	-51.6	-49.0	-50.3	-50.4	0.1	-37.1	-21.25	15.89
HE160 Beam Forming, M0 to M9 4ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65
HE160 STBC, M0 to M9 1ss	2	6	-49.4	-48.6			0.1	-39.9	-21.25	18.65
HE160 STBC, M0 to M9 1ss	3	6	-49.4	-48.6	-49.3		0.1	-38.2	-21.25	17.00
HE160 STBC, M0 to M9 1ss	4	6	-49.4	-48.6	-49.3	-48.7	0.1	-36.9	-21.25	15.65

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Conducted Spurs Peak, 5250 MHz, HE160 Beam Forming, M0 to M9 1ss





Antenna A

Antenna B

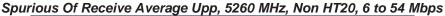




Antenna C Antenna D



A.6 Conducted Receiver Spurious Emissions





Spurious Of Receive Peak Upper, 5260 MHz, Non HT20, 6 to 54 Mbps



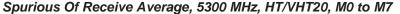
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Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Rx 1 Spur Power (dBm)	Rx 2 Spur Power (dBm)	Rx 3 Spur Power (dBm)	Rx 4 Spur Power (dBm)	Duty Cycle Correction (dB)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	4	6	-86.4	-86.7	-86.7	-86.6	0.1	-74.5	-41.25	33.28
5260	HT/VHT20, M0 to M7	4	6	-86.1	-86.2	-86.7	-86.5	0.1	-74.3	-41.25	33.05
47	HE20, M0 to M9 1ss	4	6	-86.4	-86.6	-86.6	-86.1	0.1	-74.3	-41.25	33.08
	-		-	-							
0	Non HT40, 6 to 54 Mbps	4	6	-86.4	-86.7	-86.8	-86.7	0.0	-74.6	-41.25	33.33
5270	HT/VHT40, M0 to M7	4	6	-86.5	-86.8	-86.7	-86.5	0.1	-74.5	-41.25	33.25
	HE40, M0 to M9 1ss	4	6	-86.0	-86.3	-87.1	-86.4	0.1	-74.3	-41.25	33.04
0	Non HT80, 6 to 54 Mbps	4	6	-86.4	-86.5	-86.8	-86.8	0.1	-74.6	-41.25	33.30
5290	VHT80, M0 to M9 1ss	4	6	-86.5	-86.9	-86.7	-86.7	0.2	-74.5	-41.25	33.21
	HE80, M0 to M9 1ss	4	6	-86.2	-86.6	-86.9	-86.7	0.3	-74.3	-41.25	33.07
0	Non HT20, 6 to 54 Mbps	4	6	-86.1	-86.4	-86.9	-86.3	0.1	-74.3	-41.25	33.09
5300	HT/VHT20, M0 to M7	4	6	-86.1	-86.1	-86.4	-86.2	0.1	-74.1	-41.25	32.88
	HE20, M0 to M9 1ss	4	6	-86.3	-86.5	-86.6	-86.0	0.1	-74.3	-41.25	33.01
				-							
0	Non HT40, 6 to 54 Mbps	4	6	-86.2	-86.6	-86.8	-86.6	0.1	-74.5	-41.25	33.22
5310	HT/VHT40, M0 to M7	4	6	-85.9	-86.7	-86.7	-86.5	0.1	-74.4	-41.25	33.11
	HE40, M0 to M9 1ss	4	6	-86.3	-86.4	-86.5	-86.3	0.1	-74.3	-41.25	33.04
0	Non HT20, 6 to 54 Mbps	4	6	-86.4	-86.5					-41.25	
5320	HT/VHT20, M0 to M7	4	6	-86.1	-86.5	-86.7	-86.5	0.1	-74.4	-41.25	33.12
	HE20, M0 to M9 1ss	4	6	-86.2	-86.4	-86.3	-86.1	0.1	-74.2	-41.25	32.91
	L. 117100 01 711			00.1	0.5.0	00-	06.				00.15
00	Non HT160, 6 to 54 Mbps	4	6	-86.4	-86.3	-86.7	-86.4	0.1	-74.4	-41.25	33.13
5250	VHT160, M0 to M9 1ss	4	6	-86.3	-86.6	-86.6	-86.5	0.1	-74.4	-41.25	33.17
	HE160, M0 to M9 1ss	4	6	-86.1	-86.3	-86.5	-86.4	0.1	-74.2	-41.25	32.98

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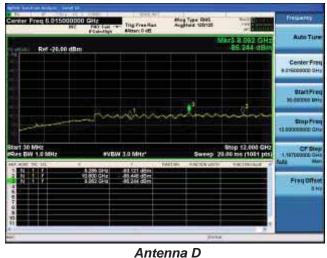




Antenna A







Antenna C



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Rx 1 Spur Power (dBm)	Rx 2 Spur Power (dBm)	Rx 3 Spur Power (dBm)	Rx 4 Spur Power (dBm)	Total Conducted Spur (dBm)	Limit (dBm)	Margin (dB)
	Non HT20, 6 to 54 Mbps	4	6	-68.6	-68.7	-69.6	-69.1	-56.9	-21.25	35.66
5260	HT/VHT20, M0 to M7	4	6	-69.2	-68.9	-68.9	-68.2	-56.7	-21.25	35.46
4)	HE20, M0 to M9 1ss	4	6	-68.3	-69.7	-69.7	-70.0	-57.3	-21.25	36.03
0	Non HT40, 6 to 54 Mbps	4	6	-68.7	-69.1	-69.8	-68.6	-57.0	-21.25	35.71
5270	HT/VHT40, M0 to M7	4	6	-69.8	-68.4	-69.6	-69.3	-57.1	-21.25	35.87
4,	HE40, M0 to M9 1ss	4	6	-69.2	-68.9	-69.5	-68.3	-56.8	-21.25	35.56
0	Non HT80, 6 to 54 Mbps	4	6	-68.9	-69.6	-69.6	-68.9	-57.2	-21.25	35.91
5290	VHT80, M0 to M9 1ss	4	6	-69.0	-67.7	-68.3	-68.4	-56.1	-21.25	34.84
4,	HE80, M0 to M9 1ss	4	6	-68.9	-68.8	-69.2	-69.2	-56.8	-21.25	35.50
0	Non HT20, 6 to 54 Mbps	4	6	-69.4	-69.6	-67.8	-68.9	-56.8	-21.25	35.55
5300	HT/VHT20, M0 to M7	4	6	-69.0	-69.4	-69.5	-69.2	-57.2	-21.25	35.95
47	HE20, M0 to M9 1ss	4	6	-69.0	-68.8	-69.7	-68.6	-56.9	-21.25	35.67
				-						
0	Non HT40, 6 to 54 Mbps	4	6	-69.2	-68.9	-68.9	-69.0	-56.9	-21.25	35.68
5310	HT/VHT40, M0 to M7	4	6	-68.7	-69.5	-69.6	-68.4	-56.9	-21.25	35.70
4,	HE40, M0 to M9 1ss	4	6	-68.7	-69.5	-69.7	-69.1	-57.1	-21.25	35.89
0	Non HT20, 6 to 54 Mbps	4	6	-67.4	-69.6	-69.7	-69.2	-56.8	-21.25	35.55
5320	HT/VHT20, M0 to M7	4	6	-68.7	-69.3	-69.6	-69.4	-57.2	-21.25	35.91
47	HE20, M0 to M9 1ss	4	6	-68.0	-67.9	-69.3	-69.8	-56.6	-21.25	35.34
0	Non HT160, 6 to 54 Mbps	4	6	-69.0	-69.6	-69.3	-68.9	-57.1	-21.25	35.87
5250	VHT160, M0 to M9 1ss	4	6	-68.4	-69.4	-69.3	-69.6	-57.1	-21.25	35.83
	HE160, M0 to M9 1ss	4	6	-68.7	-69.0	-69.6	-69.2	-57.0	-21.25	35.77



Spurious Of Receive Peak, 5290 MHz, VHT80, M0 to M9 1ss

Antenna B





Antenna A



Antenna C Antenna D



A.7 Conducted Bandedge

Conducted Band Edge Test Requirement

15.407(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. Unwanted Emissions that fall Outside of the Restricted Bands

- a) For all measurements, follow the requirements in II.G.3. "General Requirements for Unwanted Emissions Measurements."
- b) At frequencies below 1000 MHz, use the procedure described in II.G.4. "Procedure for Unwanted Emissions Measurements Below 1000 MHz."
- c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in II.G.5., "Procedure for Unwanted Emissions Measurements Above 1000 MHz."
- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.3

Conducted Band Edge Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Ref. ANSI C63.10: 2013

Conducted Spurious Emissions

Test Procedure

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Place the radio in continuous transmit mode
- 3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).
- 4. Use the peak marker function to determine the maximum spurs amplitude level.
- 5. The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units. The worst case output is recorded. (see ANSI C63.10:2013 section 14.3.2.2)
- 6. Capture graphs and record pertinent measurement data.

Ref. ANSI C63.10: 2013 section 12.7.6 (Peak) and 12.7.7.2 (Average)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Sec. 5 (Peak), Sec. 6 (Average Method AD)

Conducted Spurious Emissions

Test parameters

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Peak	Average
RBW = 1 MHz	RBW = 1 MHz
$VBW \ge 3 MHz$	$VBW \ge 3 MHz$
Sweep = Auto	Sweep = Auto
Detector = Peak	Detector = RMS
Trace = Max Hold.	Power Averaging

Samples, Systems, and Modes

System Number	Description	Samples	System under test	Support equipment
	EUT	S01	\searrow	
1	Support	S02		\

Tested By :	Date of testing:
Chris Blair	30-Aug-19 - 15-Sep-19
Test Result : PASS	

Test Equipment

See Appendix C for list of test equipment



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Duty Cycle Correction (dB)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	Non HT80, 6 to 54 Mbps	1	6	-49.2				0.1	-43.1	-41.25	1.90
	Non HT80, 6 to 54 Mbps	2	6	-49.2	-55.9			0.1	-42.3	-41.25	1.06
	Non HT80, 6 to 54 Mbps	3	6	-52.4	-57.0	-55.0		0.1	-43.6	-41.25	2.32
	Non HT80, 6 to 54 Mbps	4	6	-52.4	-57.0	-55.0	-56.9	0.1	-42.8	-41.25	1.58
	VHT80, M0 to M9 1ss	1	6	-47.8				0.2	-41.6	-41.25	0.33
	VHT80, M0 to M9 1ss	2	6	-50.5	-55.8			0.2	-43.2	-41.25	1.91
	VHT80, M0 to M9 2ss	2	6	-50.5	-55.8			0.2	-43.2	-41.25	1.91
	VHT80, M0 to M9 1ss	3	6	-50.5	-55.8	-54.7		0.2	-42.0	-41.25	0.79
	VHT80, M0 to M9 2ss	3	6	-50.5	-55.8	-54.7		0.2	-42.0	-41.25	0.79
	VHT80, M0 to M9 3ss	3	6	-50.5	-55.8	-54.7		0.2	-42.0	-41.25	0.79
	VHT80, M0 to M9 1ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
	VHT80, M0 to M9 2ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
	VHT80, M0 to M9 3ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
	VHT80, M0 to M9 4ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
5290	VHT80 Beam Forming, M0 to M9 1ss	2	9	-53.6	-56.9			0.2	-42.7	-41.25	1.47
52	VHT80 Beam Forming, M0 to M9 2ss	2	6	-50.5	-55.8			0.2	-43.2	-41.25	1.91
	VHT80 Beam Forming, M0 to M9 1ss	3	11	-56.5	-58.7	-58.0		0.2	-41.6	-41.25	0.40
	VHT80 Beam Forming, M0 to M9 2ss	3	8	-53.6	-56.9	-56.5		0.2	-42.4	-41.25	1.17
	VHT80 Beam Forming, M0 to M9 3ss	3	6	-50.5	-55.8	-54.7		0.2	-42.0	-41.25	0.79
	VHT80 Beam Forming, M0 to M9 1ss	4	12	-59.5	-61.4	-59.8	-61.3	0.2	-42.2	-41.25	0.93
	VHT80 Beam Forming, M0 to M9 2ss	4	9	-56.5	-58.7	-58.0	-58.9	0.2	-42.7	-41.25	1.43
	VHT80 Beam Forming, M0 to M9 3ss	4	7	-53.6	-56.9	-56.5	-56.3	0.2	-42.4	-41.25	1.12
	VHT80 Beam Forming, M0 to M9 4ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
	VHT80 STBC, M0 to M9 1ss	2	6	-50.5	-55.8			0.2	-43.2	-41.25	1.91
	VHT80 STBC, M0 to M9 1ss	3	6	-50.5	-55.8	-54.7		0.2	-42.0	-41.25	0.79
	VHT80 STBC, M0 to M9 1ss	4	6	-50.5	-55.8	-54.7	-55.3	0.2	-41.3	-41.25	0.01
	HE80, M0 to M9 1ss	1	6	-50.6				0.3	-44.3	-41.25	3.10
	HE80, M0 to M9 1ss	2	6	-50.6	-56.7			0.3	-43.4	-41.25	2.15
	HE80, M0 to M9 2ss	2	6	-50.6	-56.7			0.3	-43.4	-41.25	2.15
	HE80, M0 to M9 1ss	3	6	-50.6	-56.7	-54.1		0.3	-42.1	-41.25	0.82

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	HE80, M0 to M9 2ss	3	6	-50.6	-56.7	-54.1		0.3	-42.1	-41.25	0.82
	HE80, M0 to M9 3ss	3	6	-50.6	-56.7	-54.1		0.3	-42.1	-41.25	0.82
	HE80, M0 to M9 1ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	HE80, M0 to M9 2ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	HE80, M0 to M9 3ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	HE80, M0 to M9 4ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	HE80 Beam Forming, M0 to M9 1ss	2	9	-53.1	-57.2			0.3	-42.4	-41.25	1.17
	HE80 Beam Forming, M0 to M9 2ss	2	6	-50.6	-56.7			0.3	-43.4	-41.25	2.15
	HE80 Beam Forming, M0 to M9 1ss	3	11	-57.6	-59.9	-58.4		0.3	-42.5	-41.25	1.26
	HE80 Beam Forming, M0 to M9 2ss	3	8	-53.1	-57.2	-55.8		0.3	-42.0	-41.25	0.75
	HE80 Beam Forming, M0 to M9 3ss	3	6	-50.6	-56.7	-54.1		0.3	-42.1	-41.25	0.82
	HE80 Beam Forming, M0 to M9 1ss	4	12	-59.5	-60.3	-59.7	-60.9	0.3	-41.8	-41.25	0.55
	HE80 Beam Forming, M0 to M9 2ss	4	9	-55.3	-58.0	-57.3	-58.1	0.3	-41.7	-41.25	0.50
	HE80 Beam Forming, M0 to M9 3ss	4	7	-53.1	-57.2	-55.8	-56.9	0.3	-42.2	-41.25	0.90
	HE80 Beam Forming, M0 to M9 4ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	HE80 STBC, M0 to M9 1ss	2	6	-50.6	-56.7			0.3	-43.4	-41.25	2.15
	HE80 STBC, M0 to M9 1ss	3	6	-50.6	-56.7	-54.1		0.3	-42.1	-41.25	0.82
	HE80 STBC, M0 to M9 1ss	4	6	-53.1	-57.2	-55.8	-56.9	0.3	-43.2	-41.25	1.90
	Non HT40, 6 to 54 Mbps	1	6	-48.2				0.1	-42.1	-41.25	0.90
	Non HT40, 6 to 54 Mbps	2	6	-51.1	-55.4			0.1	-43.7	-41.25	2.43
	Non HT40, 6 to 54 Mbps	3	6	-51.1	-55.4	-56.1		0.1	-42.8	-41.25	1.53
	Non HT40, 6 to 54 Mbps	4	6	-51.1	-55.4	-56.1	-55.6	0.1	-41.9	-41.25	0.70
	HT/VHT40, M0 to M7	1	6	-49.4				0.1	-43.3	-41.25	2.10
	HT/VHT40, M0 to M7	2	6	-49.4	-54.1			0.1	-42.1	-41.25	0.83
	HT/VHT40, M8 to M15	2	6	-49.4	-54.1			0.1	-42.1	-41.25	0.83
	HT/VHT40, M0 to M7	3	6	-49.4	-54.1	-55.5		0.1	-41.3	-41.25	0.10
	HT/VHT40, M8 to M15	3	6	-49.4	-54.1	-55.5		0.1	-41.3	-41.25	0.10
	HT/VHT40, M16 to M23	3	6	-49.4	-54.1	-55.5		0.1	-41.3	-41.25	0.10
	HT/VHT40, M0 to M7	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
5310	HT/VHT40, M8 to M15	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
22	HT/VHT40, M16 to M23	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
	HT/VHT40, M24 to M31	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
	HT/VHT40 Beam Forming, M0 to M7	2	9	-52.0	-56.1			0.1	-41.5	-41.25	0.27
	HT/VHT40 Beam Forming, M8 to M15	2	6	-49.4	-54.1			0.1	-42.1	-41.25	0.83
	HT/VHT40 Beam Forming, M0 to M7	3	11	-57.7	-58.3	-59.3		0.1	-42.6	-41.25	1.31
	HT/VHT40 Beam Forming, M8 to M15	3	8	-52.0	-56.1	-56.9		0.1	-41.6	-41.25	0.36
	HT/VHT40 Beam Forming, M16 to M23	3	6	-49.4	-54.1	-55.5		0.1	-41.3	-41.25	0.10
	HT/VHT40 Beam Forming, M0 to M7	4	12	-59.0	-59.2	-60.3	-61.3	0.1	-41.8	-41.25	0.53
	HT/VHT40 Beam Forming, M8 to M15	4	9	-54.7	-56.9	-58.3	-58.9	0.1	-41.8	-41.25	0.56
	HT/VHT40 Beam Forming, M16 to M23	4	7	-52.0	-56.1	-56.9	-56.4	0.1	-41.8	-41.25	0.53
	HT/VHT40 Beam Forming, M24 to M31	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
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Non HT20, 6 to 54 Mbps 2 6 -51.6 -56.3 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -49.1 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 -51.6 -56.3 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25												
HT/VHT40 STBC, M0 to M7		HT/VHT40 STBC, M0 to M7	2	6	-49.4	-54.1			0.1	-42.1	-41.25	0.83
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	3	6	-49.4	-54.1	-55.5		0.1	-41.3	-41.25	0.10
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	4	6	-52.0	-56.1	-56.9	-56.4	0.1	-42.8	-41.25	1.53
HE40, M0 to M9 2ss		HE40, M0 to M9 1ss	1	6	-51.0				0.1	-44.9	-41.25	3.68
HE40, M0 to M9 1ss		HE40, M0 to M9 1ss	2	6	-51.0	-55.6			0.1	-43.6	-41.25	2.39
HE40, M0 to M9 2ss		HE40, M0 to M9 2ss	2	6	-51.0	-55.6			0.1	-43.6	-41.25	2.39
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	3	6	-51.0	-55.6	-56.6		0.1	-42.8	-41.25	1.58
HE40, M0 to M9 1ss		HE40, M0 to M9 2ss	3	6	-51.0	-55.6	-56.6		0.1	-42.8	-41.25	1.58
HE40, M0 to M9 2ss		HE40, M0 to M9 3ss	3	6	-51.0	-55.6	-56.6		0.1	-42.8	-41.25	1.58
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	4	6	-51.0	-55.6	-56.6	-55.8	0.1	-42.0	-41.25	0.77
HE40, M0 to M9 4ss		HE40, M0 to M9 2ss	4	6	-51.0	-55.6	-56.6	-55.8	0.1	-42.0	-41.25	0.77
HE40 Beam Forming, M0 to M9 1ss 2 9 -53.9 -56.2 0.1 -42.8 -41.25 HE40 Beam Forming, M0 to M9 2ss 2 6 -51.0 -55.6		HE40, M0 to M9 3ss	4	6	-51.0	-55.6	-56.6	-55.8	0.1	-42.0	-41.25	0.77
HE40 Beam Forming, M0 to M9 2ss 2 6 -51.0 -55.6		HE40, M0 to M9 4ss	4	6	-51.0	-55.6	-56.6	-55.8	0.1	-42.0	-41.25	0.77
HE40 Beam Forming, M0 to M9 1ss 3 11 -56.6 -57.9 -59.0 0.1 -41.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 3 8 -53.9 -56.2 -57.9 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 6 -51.0 -55.6 -56.6 0.1 -42.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 12 -60.4 -60.4 -61.6 -61.8 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 9 -56.6 -57.9 -59.0 -58.7 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 7 -53.9 -56.2 -57.9 -57.9 0.1 -43.1 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 2 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 0.1 -42.8 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 1 6 -47.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -42.5 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -42.5 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -42.5 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0 -61.6 -61.8 -62.5 0.1 -42.5 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.0		HE40 Beam Forming, M0 to M9 1ss	2	9	-53.9	-56.2			0.1	-42.8	-41.25	1.57
HE40 Beam Forming, M0 to M9 2ss 3 8 -53.9 -56.2 -57.9 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 3ss 3 6 -51.0 -55.6 -56.6 0.1 -42.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 12 -60.4 -60.4 -61.6 -61.8 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 9 -56.6 -57.9 -59.0 -58.7 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 7 -53.9 -56.2 -57.9 -57.9 0.1 -43.1 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 2 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -56.6 0.1 -42.8 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 2 6 -51.0 -55.6 -56.6 -56.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.		HE40 Beam Forming, M0 to M9 2ss	2	6	-51.0	-55.6			0.1	-43.6	-41.25	2.39
HE40 Beam Forming, M0 to M9 3ss 3 6 -51.0 -55.6 -56.6 0.1 -42.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 12 -60.4 -60.4 -61.6 -61.8 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 9 -56.6 -57.9 -59.0 -58.7 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 7 -53.9 -56.2 -57.9 -57.9 0.1 -43.1 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 2 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 2 6 -51.6 -56.3 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 -48.6 -50.0 -51.0 -42.5 -41.25		HE40 Beam Forming, M0 to M9 1ss	3	11	-56.6	-57.9	-59.0		0.1	-41.9	-41.25	0.63
HE40 Beam Forming, M0 to M9 3ss 3 6 -51.0 -55.6 -56.6 0.1 -42.8 -41.25 HE40 Beam Forming, M0 to M9 1ss 4 12 -60.4 -60.4 -61.6 -61.8 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 2ss 4 9 -56.6 -57.9 -59.0 -58.7 0.1 -42.9 -41.25 HE40 Beam Forming, M0 to M9 3ss 4 7 -53.9 -56.2 -57.9 -57.9 0.1 -43.1 -41.25 HE40 Beam Forming, M0 to M9 4ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 2 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 2 6 -51.6 -56.3 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 -48.6 -51.0 -55.6 -55.6 -51.2 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 -51.0 -55.6 -56.6 -51.0 -51.2 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 -51.0 -55.6 -56.5 -51.0 -51.2 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 -51.0 -55.6 -56.3 -51.0 -51.2 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 -51.0 -51.		HE40 Beam Forming, M0 to M9 2ss	3	8	-53.9	-56.2	-57.9		0.1	-42.9	-41.25	1.60
HE40 Beam Forming, M0 to M9 1ss			3	6	-51.0	-55.6	-56.6		0.1	-42.8	-41.25	1.58
HE40 Beam Forming, M0 to M9 2ss			4	12	-60.4	-60.4	-61.6	-61.8	0.1	-42.9	-41.25	1.66
HE40 Beam Forming, M0 to M9 3ss			4	9	-56.6	-57.9	-59.0	-58.7	0.1	-42.9	-41.25	1.61
HE40 STBC, M0 to M9 2ss 2 6 -51.0 -55.6 0.1 -43.6 -41.25 HE40 STBC, M0 to M9 2ss 3 6 -51.0 -55.6 -56.6 0.1 -42.8 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 HE40 STBC, M0 to M9 2ss 4 6 -51.0 -55.6 -56.6 -55.8 0.1 -42.0 -41.25 Non HT20, 6 to 54 Mbps 2 6 -51.6 -56.3 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20 Ream Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 Non HT20, M0 to M7 1 6 -48.6 0 0.1 -42.5 -41.25			4	7	-53.9	-56.2	-57.9	-57.9	0.1	-43.1	-41.25	1.81
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 4ss	4	6	-51.0	-55.6	-56.6	-55.8	0.1	-42.0	-41.25	0.77
HE40 STBC, M0 to M9 2ss		HE40 STBC, M0 to M9 2ss	2	6	-51.0	-55.6			0.1	-43.6	-41.25	2.39
Non HT20, 6 to 54 Mbps 1 6 -47.8		HE40 STBC, M0 to M9 2ss	3	6	-51.0	-55.6	-56.6		0.1	-42.8	-41.25	1.58
Non HT20, 6 to 54 Mbps 2 6 -51.6 -56.3 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -49.1 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 -51.6 -56.3 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25		HE40 STBC, M0 to M9 2ss	4	6	-51.0	-55.6	-56.6	-55.8	0.1	-42.0	-41.25	0.77
Non HT20, 6 to 54 Mbps 2 6 -51.6 -56.3 0.1 -44.3 -41.25 Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -49.1 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 -51.6 -56.3 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25				<u>-</u>				-	<u>-</u>			-
Non HT20, 6 to 54 Mbps 3 6 -59.5 -59.7 -60.7 0.1 -49.1 -41.25 Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 -51.6 -56.3 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25		Non HT20, 6 to 54 Mbps	1	6	-47.8				0.1	-41.7	-41.25	0.50
Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 -51.6 -56.3 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25		Non HT20, 6 to 54 Mbps	2	6	-51.6	-56.3			0.1	-44.3	-41.25	3.03
Non HT20, 6 to 54 Mbps 4 6 -60.9 -61.6 -61.8 -62.5 0.1 -49.6 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 2 9 -51.6 -56.3 0.1 -41.3 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25			3	6	-59.5	-59.7	-60.7		0.1	-49.1	-41.25	7.86
Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -59.5 -59.7 -60.7 0.1 -44.1 -41.25 Non HT20 Beam Forming, 6 to 54 Mbps 4 12 -60.9 -61.6 -61.8 -62.5 0.1 -43.6 -41.25 HT/VHT20, M0 to M7 1 6 -48.6 0.1 -42.5 -41.25		Non HT20, 6 to 54 Mbps	4	6	-60.9	-61.6	-61.8	-62.5	0.1	-49.6	-41.25	8.34
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-51.6	-56.3			0.1	-41.3	-41.25	0.03
\(\text{\tinite\text{\tinit}\\ \text{\tinit}\xitint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tinit}\xitint{\texi}\text{\text{\texi}\text{\text{\text{\tinite\ta\tinity}\xi\text{\text{\text{\texi}\tint{\text{\texi}\text{\text{\text{\text{\text{\tinitit{\tert{\terictex{\tex		Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-59.5	-59.7	-60.7		0.1	-44.1	-41.25	2.86
8 HT/VHT20, M0 to M7		Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-60.9	-61.6	-61.8	-62.5	0.1	-43.6	-41.25	2.34
9 1174/1700 MO 1 M7	50	HT/VHT20, M0 to M7	1	6	-48.6				0.1	-42.5	-41.25	1.30
\$\text{\$\sigma\$} \ \text{\$HI/VHI2U}, \text{\$MU to \$M\$/} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	53,	HT/VHT20, M0 to M7	2	6	-48.6	-56.6			0.1	-41.9	-41.25	0.66
HT/VHT20, M8 to M15 2 6 -48.6 -56.6 0.1 -41.9 -41.25		·		6	-48.6							0.66
HT/VHT20, M0 to M7 3 6 -59.3 -60.1 -59.9 0.1 -48.9 -41.25				6			-59.9					7.68
HT/VHT20, M8 to M15 3 6 -48.6 -56.6 -56.5 0.1 -41.3 -41.25				6								0.09
HT/VHT20, M16 to M23 3 6 -48.6 -56.6 -56.5 0.1 -41.3 -41.25				6								0.09
HT/VHT20, M0 to M7 4 6 -62.0 -61.9 -62.0 -63.3 0.1 -50.2 -41.25		HT/VHT20, M0 to M7		6				-63.3				8.94
HT/VHT20, M8 to M15 4 6 -57.0 -58.6 -58.8 -59.2 0.1 -46.2 -41.25												4.99
HT/VHT20, M16 to M23 4 6 -53.3 -57.8 -57.2 -57.5 0.1 -43.9 -41.25		·	4	6								2.69

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	HT/VHT20, M24 to M31	4	6	-53.3	-57.8	-57.2	-57.5	0.1	-43.9	-41.25	2.69
	HT/VHT20 Beam Forming, M0 to M7	2	9	-53.3	-57.8			0.1	-42.9	-41.25	1.68
	HT/VHT20 Beam Forming, M8 to M15	2	6	-48.6	-56.6			0.1	-41.9	-41.25	0.66
	HT/VHT20 Beam Forming, M0 to M7	3	11	-59.3	-60.1	-59.9		0.1	-43.9	-41.25	2.68
	HT/VHT20 Beam Forming, M8 to M15	3	8	-53.3	-57.8	-57.2		0.1	-42.8	-41.25	1.54
	HT/VHT20 Beam Forming, M16 to M23	3	6	-48.6	-56.6	-56.5		0.1	-41.3	-41.25	0.09
	HT/VHT20 Beam Forming, M0 to M7	4	12	-62.0	-61.9	-62.0	-63.3	0.1	-44.2	-41.25	2.94
	HT/VHT20 Beam Forming, M8 to M15	4	9	-57.0	-58.6	-58.8	-59.2	0.1	-43.2	-41.25	1.99
	HT/VHT20 Beam Forming, M16 to M23	4	7	-53.3	-57.8	-57.2	-57.5	0.1	-42.9	-41.25	1.69
	HT/VHT20 Beam Forming, M24 to M31	4	6	-53.3	-57.8	-57.2	-57.5	0.1	-43.9	-41.25	2.69
	HT/VHT20 STBC, M0 to M7	2	6	-48.6	-56.6			0.1	-41.9	-41.25	0.66
	HT/VHT20 STBC, M0 to M7	3	6	-48.6	-56.6	-56.5		0.1	-41.3	-41.25	0.09
	HT/VHT20 STBC, M0 to M7	4	6	-57.0	-58.6	-58.8	-59.2	0.1	-46.2	-41.25	4.99
	HE20, M0 to M9 1ss	1	6	-49.9				0.1	-43.8	-41.25	2.58
	HE20, M0 to M9 1ss	2	6	-49.9	-56.1			0.1	-42.9	-41.25	1.65
	HE20, M0 to M9 2ss	2	6	-49.9	-56.1			0.1	-42.9	-41.25	1.65
	HE20, M0 to M9 1ss	3	6	-57.8	-59.1	-58.8		0.1	-47.7	-41.25	6.44
	HE20, M0 to M9 2ss	3	6	-49.9	-56.1	-56.6		0.1	-42.2	-41.25	0.96
	HE20, M0 to M9 3ss	3	6	-49.9	-56.1	-56.6		0.1	-42.2	-41.25	0.96
	HE20, M0 to M9 1ss	4	6	-60.4	-60.9	-60.9	-61.6	0.1	-48.8	-41.25	7.59
	HE20, M0 to M9 2ss	4	6	-54.9	-57.3	-57.4	-58.7	0.1	-44.8	-41.25	3.51
	HE20, M0 to M9 3ss	4	6	-49.9	-56.1	-56.6	-56.5	0.1	-41.6	-41.25	0.35
	HE20, M0 to M9 4ss	4	6	-49.9	-56.1	-56.6	-56.5	0.1	-41.6	-41.25	0.35
	HE20 Beam Forming, M0 to M9 1ss	2	9	-54.9	-57.3			0.1	-43.9	-41.25	2.61
	HE20 Beam Forming, M0 to M9 2ss	2	6	-49.9	-56.1			0.1	-42.9	-41.25	1.65
	HE20 Beam Forming, M0 to M9 1ss	3	11	-57.8	-59.1	-58.8		0.1	-42.7	-41.25	1.44
	HE20 Beam Forming, M0 to M9 2ss	3	8	-54.9	-57.3	-57.4		0.1	-43.5	-41.25	2.28
	HE20 Beam Forming, M0 to M9 3ss	3	6	-49.9	-56.1	-56.6		0.1	-42.2	-41.25	0.96
	HE20 Beam Forming, M0 to M9 1ss	4	12	-60.4	-60.9	-60.9	-61.6	0.1	-42.8	-41.25	1.59
	HE20 Beam Forming, M0 to M9 2ss	4	9	-54.9	-57.3	-57.4	-58.7	0.1	-41.8	-41.25	0.51
	HE20 Beam Forming, M0 to M9 3ss	4	7	-54.9	-57.3	-57.4	-58.7	0.1	-43.8	-41.25	2.51
	HE20 Beam Forming, M0 to M9 4ss	4	6	-49.9	-56.1	-56.6	-56.5	0.1	-41.6	-41.25	0.35
	HE20 STBC, M0 to M9 2ss	2	6	-49.9	-56.1			0.1	-42.9	-41.25	1.65
	HE20 STBC, M0 to M9 2ss	3	6	-49.9	-56.1	-56.6		0.1	-42.2	-41.25	0.96
	HE20 STBC, M0 to M9 2ss	4	6	-54.9	-57.3	-57.4	-58.7	0.1	-44.8	-41.25	3.51
	Non HT160, 6 to 54 Mbps	1	6	-50.6				0.1	-44.5	-41.25	3.30
	Non HT160, 6 to 54 Mbps	2	6	-50.6	-55.0			0.1	-43.2	-41.25	1.95
5250	Non HT160, 6 to 54 Mbps	3	6	-50.6	-55.0	-54.4		0.1	-42.0	-41.25	0.80
52	Non HT160, 6 to 54 Mbps	4	6	-50.6	-55.0	-54.4	-55.1	0.1	-41.3	-41.25	0.01
	VHT160, M0 to M9 1ss	1	6	-50.5				0.1	-44.4	-41.25	3.20
	VHT160, M0 to M9 1ss	2	6	-50.5	-54.5			0.1	-43.0	-41.25	1.74

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VHT160, M0 to M9 2ss	2	6	-50.5	-54.5			0.1	-43.0	-41.25	1.74
VHT160, M0 to M9 1ss	3	6	-50.5	-54.5	-55.2		0.1	-42.0	-41.25	0.80
VHT160, M0 to M9 2ss	3	6	-50.5	-54.5	-55.2		0.1	-42.0	-41.25	0.80
VHT160, M0 to M9 3ss	3	6	-50.5	-54.5	-55.2		0.1	-42.0	-41.25	0.80
VHT160, M0 to M9 1ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
VHT160, M0 to M9 2ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
VHT160, M0 to M9 3ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
VHT160, M0 to M9 4ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
VHT160 Beam Forming, M0 to M9 1ss	2	9	-54.5	-57.0			0.1	-43.5	-41.25	2.26
VHT160 Beam Forming, M0 to M9 2ss	2	6	-50.5	-54.5			0.1	-43.0	-41.25	1.74
VHT160 Beam Forming, M0 to M9 1ss	3	11	-56.4	-60.6	-60.6		0.1	-42.9	-41.25	1.64
VHT160 Beam Forming, M0 to M9 2ss	3	8	-54.5	-57.0	-57.3		0.1	-43.3	-41.25	2.00
VHT160 Beam Forming, M0 to M9 3ss	3	6	-50.5	-54.5	-55.2		0.1	-42.0	-41.25	0.80
VHT160 Beam Forming, M0 to M9 1ss	4	12	-58.7	-59.4	-61.7	-59.7	0.1	-41.7	-41.25	0.42
VHT160 Beam Forming, M0 to M9 2ss	4	9	-56.4	-60.6	-60.6	-59.7	0.1	-43.9	-41.25	2.62
VHT160 Beam Forming, M0 to M9 3ss	4	7	-54.5	-57.0	-57.3	-56.5	0.1	-43.1	-41.25	1.85
VHT160 Beam Forming, M0 to M9 4ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
VHT160 STBC, M0 to M9 1ss	2	6	-50.5	-54.5			0.1	-43.0	-41.25	1.74
VHT160 STBC, M0 to M9 1ss	3	6	-50.5	-54.5	-55.2		0.1	-42.0	-41.25	0.80
VHT160 STBC, M0 to M9 1ss	4	6	-54.5	-57.0	-57.3	-56.5	0.1	-44.1	-41.25	2.85
HE160, M0 to M9 1ss	1	6	-48.1				0.1	-42.0	-41.25	0.78
HE160, M0 to M9 1ss	2	6	-50.7	-56.2			0.1	-43.6	-41.25	2.30
HE160, M0 to M9 2ss	2	6	-50.7	-56.2			0.1	-43.6	-41.25	2.30
HE160, M0 to M9 1ss	3	6	-50.7	-56.2	-56.1		0.1	-42.7	-41.25	1.42
HE160, M0 to M9 2ss	3	6	-50.7	-56.2	-56.1		0.1	-42.7	-41.25	1.42
HE160, M0 to M9 3ss	3	6	-50.7	-56.2	-56.1		0.1	-42.7	-41.25	1.42
HE160, M0 to M9 1ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66
HE160, M0 to M9 2ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66
HE160, M0 to M9 3ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66
HE160, M0 to M9 4ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66
HE160 Beam Forming, M0 to M9 1ss	2	9	-53.3	-57.8			0.1	-42.9	-41.25	1.66
HE160 Beam Forming, M0 to M9 2ss	2	6	-50.7	-56.2			0.1	-43.6	-41.25	2.30
HE160 Beam Forming, M0 to M9 1ss	3	11	-56.3	-59.1	-58.7		0.1	-42.0	-41.25	0.76
HE160 Beam Forming, M0 to M9 2ss	3	8	-53.3	-57.8	-57.4		0.1	-42.8	-41.25	1.57
HE160 Beam Forming, M0 to M9 3ss	3	6	-50.7	-56.2	-56.1		0.1	-42.7	-41.25	1.42
HE160 Beam Forming, M0 to M9 1ss	4	12	-57.9	-60.1	-60.3	-61.3	0.1	-41.6	-41.25	0.37
HE160 Beam Forming, M0 to M9 2ss	4	9	-56.3	-59.1	-58.7	-59.8	0.1	-43.2	-41.25	1.92
HE160 Beam Forming, M0 to M9 3ss	4	7	-53.3	-57.8	-57.4	-58.0	0.1	-43.0	-41.25	1.80
HE160 Beam Forming, M0 to M9 4ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66
HE160 STBC, M0 to M9 1ss	2	6	-50.7	-56.2			0.1	-43.6	-41.25	2.30
HE160 STBC, M0 to M9 1ss	3	6	-50.7	-56.2	-56.1		0.1	-42.7	-41.25	1.42
HE160 STBC, M0 to M9 1ss	4	6	-50.7	-56.2	-56.1	-55.9	0.1	-41.9	-41.25	0.66

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Conducted Bandedge Average, 5290 MHz, VHT80, M0 to M9 1ss





Antenna A

Antenna B





Antenna C Antenna D



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	Non HT80, 6 to 54 Mbps	1	6	-32.7				-26.6	-21.25	5.40
	Non HT80, 6 to 54 Mbps	2	6	-32.7	-39.8			-25.9	-21.25	4.63
	Non HT80, 6 to 54 Mbps	3	6	-37.3	-44.1	-40.8		-29.1	-21.25	7.81
	Non HT80, 6 to 54 Mbps	4	6	-37.3	-44.1	-40.8	-41.0	-28.1	-21.25	6.81
	VHT80, M0 to M9 1ss	1	6	-30.6				-24.4	-21.25	3.13
	VHT80, M0 to M9 1ss	2	6	-33.9	-44.0			-27.3	-21.25	6.03
	VHT80, M0 to M9 2ss	2	6	-33.9	-44.0			-27.3	-21.25	6.03
	VHT80, M0 to M9 1ss	3	6	-33.9	-44.0	-39.8		-26.4	-21.25	5.12
	VHT80, M0 to M9 2ss	3	6	-33.9	-44.0	-39.8		-26.4	-21.25	5.12
	VHT80, M0 to M9 3ss	3	6	-33.9	-44.0	-39.8		-26.4	-21.25	5.12
	VHT80, M0 to M9 1ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
	VHT80, M0 to M9 2ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
	VHT80, M0 to M9 3ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
	VHT80, M0 to M9 4ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
5290	VHT80 Beam Forming, M0 to M9 1ss	2	9	-36.8	-47.1			-27.2	-21.25	5.95
52	VHT80 Beam Forming, M0 to M9 2ss	2	6	-33.9	-44.0			-27.3	-21.25	6.03
	VHT80 Beam Forming, M0 to M9 1ss	3	11	-41.4	-48.1	-47.0		-28.5	-21.25	7.20
	VHT80 Beam Forming, M0 to M9 2ss	3	8	-36.8	-47.1	-45.0		-27.6	-21.25	6.38
	VHT80 Beam Forming, M0 to M9 3ss	3	6	-33.9	-44.0	-39.8		-26.4	-21.25	5.12
	VHT80 Beam Forming, M0 to M9 1ss	4	12	-47.9	-49.7	-48.9	-50.8	-31.0	-21.25	9.71
	VHT80 Beam Forming, M0 to M9 2ss	4	9	-41.4	-48.1	-47.0	-47.3	-29.8	-21.25	8.51
	VHT80 Beam Forming, M0 to M9 3ss	4	7	-36.8	-47.1	-45.0	-43.0	-27.9	-21.25	6.62
	VHT80 Beam Forming, M0 to M9 4ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
	VHT80 STBC, M0 to M9 1ss	2	6	-33.9	-44.0			-27.3	-21.25	6.03
	VHT80 STBC, M0 to M9 1ss	3	6	-33.9	-44.0	-39.8		-26.4	-21.25	5.12
	VHT80 STBC, M0 to M9 1ss	4	6	-33.9	-44.0	-39.8	-40.2	-25.7	-21.25	4.42
	HE80, M0 to M9 1ss	1	6	-37.2				-30.9	-21.25	9.70
	HE80, M0 to M9 1ss	2	6	-37.2	-44.8			-30.3	-21.25	9.00
	HE80, M0 to M9 2ss	2	6	-37.2	-44.8			-30.3	-21.25	9.00
	HE80, M0 to M9 1ss	3	6	-37.2	-44.8	-41.3		-29.0	-21.25	7.76

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HE80, M0 to M9 2ss											
HE80, M0 to M9 1ss		HE80, M0 to M9 2ss	3	6	-37.2	-44.8	-41.3		-29.0	-21.25	7.76
HE80, M0 to M9 2ss		HE80, M0 to M9 3ss	3	6	-37.2	-44.8	-41.3		-29.0	-21.25	7.76
HE80, M0 to M9 3ss		HE80, M0 to M9 1ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
HE80, M0 to M9 4ss		HE80, M0 to M9 2ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
HE80 Beam Forming, M0 to M9 1ss		HE80, M0 to M9 3ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
HE80 Beam Forming, M0 to M9 2ss 2 6 -37.2 -44.8 -30.3 -21.25 9.00 HE80 Beam Forming, M0 to M9 1ss 3 11 -47.4 -49.0 -47.4 -49.0 -47.4 -31.8 -21.25 10.60 HE80 Beam Forming, M0 to M9 2ss 3 8 -41.6 -46.7 -44.0 -30.6 -21.25 9.35 HE80 Beam Forming, M0 to M9 3ss 3 6 -37.2 -44.8 -41.3 -29.0 -21.25 9.76 HE80 Beam Forming, M0 to M9 1ss 4 12 -48.1 -49.3 -49.5 -50.3 -31.0 -21.25 9.71 HE80 Beam Forming, M0 to M9 1ss 4 7 -41.6 -46.7 -44.0 -44.8 -30.6 -21.25 9.35 HE80 Beam Forming, M0 to M9 3ss 4 7 -41.6 -46.7 -44.0 -44.8 -30.6 -21.25 9.36 HE80 Beam Forming, M0 to M9 4ss 4 6 -41.6 -46.7 -44.0 -44.8 -31.6 -21.25 9.36 HE80 STBC, M0 to M9 1ss 2 6 -37.2 -44.8 -41.3 -29.0 -21.25 9.00 HE80 STBC, M0 to M9 1ss 3 6 -37.2 -44.8 -41.3 -29.0 -21.25 9.00 HE80 STBC, M0 to M9 1ss 4 6 -41.6 -46.7 -44.0 -44.8 -31.6 -21.25 10.36 HE80 STBC, M0 to M9 1ss 4 6 -41.6 -46.7 -44.0 -44.8 -31.6 -21.25 10.36 Non HT40, 6 to 54 Mbps 1 6 -31.8 -25.7 -21.25 6.91 Non HT40, 6 to 54 Mbps 3 6 -34.8 -43.2 -42.4 -43.2 -27.1 -21.25 5.80 Non HT40, 6 to 54 Mbps 3 6 -34.8 -43.2 -42.4 -43.2 -27.1 -21.25 5.85 HT//HT40, M0 to M7 1 6 -33.1 -42.0 -26.5 -21.25 5.27 HT//HT40, M8 to M15 2 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT//HT40, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 8.12 HT//HT40, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 8.12 HT//HT40, M16 to M23 3 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT//HT40, Beam Forming, M8 to M15 2 6 -33.1 -42.0 -43.4 -26.2 -21.25 -8.91 HT//HT40 Beam Forming, M8 to M15 3 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 -8.12 HT//HT40 Beam Forming, M8 to M15 3 6 -37.5 -48.3 -45		HE80, M0 to M9 4ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 1ss	2	9	-41.6	-46.7			-31.2	-21.25	9.93
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 2ss	2	6	-37.2	-44.8			-30.3	-21.25	9.00
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	3	11	-47.4	-49.0	-47.4		-31.8	-21.25	10.60
HE80 Beam Forming, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 2ss	3	8	-41.6	-46.7	-44.0		-30.6	-21.25	9.35
HE80 Beam Forming, M0 to M9 2ss		HE80 Beam Forming, M0 to M9 3ss	3	6	-37.2	-44.8	-41.3		-29.0	-21.25	7.76
HE80 Beam Forming, M0 to M9 3ss		HE80 Beam Forming, M0 to M9 1ss	4	12	-48.1	-49.3	-49.5	-50.3	-31.0	-21.25	9.71
HE80 Beam Forming, M0 to M9 4ss		HE80 Beam Forming, M0 to M9 2ss	4	9	-45.3	-47.4	-45.3	-45.7	-30.6	-21.25	9.32
HE80 STBC, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 3ss	4	7	-41.6	-46.7	-44.0	-44.8	-30.6	-21.25	9.36
HE80 STBC, M0 to M9 1ss		HE80 Beam Forming, M0 to M9 4ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	2	6	-37.2	-44.8			-30.3	-21.25	9.00
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	3	6	-37.2	-44.8	-41.3		-29.0	-21.25	7.76
Non HT40, 6 to 54 Mbps		HE80 STBC, M0 to M9 1ss	4	6	-41.6	-46.7	-44.0	-44.8	-31.6	-21.25	10.36
Non HT40, 6 to 54 Mbps											
Non HT40, 6 to 54 Mbps		Non HT40, 6 to 54 Mbps	1	6	-31.8				-25.7	-21.25	4.50
Non HT40, 6 to 54 Mbps		Non HT40, 6 to 54 Mbps	2	6	-34.8	-43.2			-28.2	-21.25	6.91
HT/VHT40, M0 to M7		Non HT40, 6 to 54 Mbps	3	6	-34.8	-43.2	-42.4		-27.5	-21.25	6.30
HT/VHT40, M0 to M7		Non HT40, 6 to 54 Mbps	4	6	-34.8	-43.2	-42.4	-43.2	-27.1	-21.25	5.85
HT/VHT40, M8 to M15 2 6 -33.1 -42.0 -43.4 -26.2 -21.25 5.27 HT/VHT40, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40, M8 to M15 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40, M0 to M7 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40, M24 to M31 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40 Beam Forming, M0 to M7 2 9 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40 Beam Forming, M8 to M15 2 6 -33.1 -42.0 -26.5 -21.25 5.27 HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 9.53 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40, M0 to M7	1	6	-33.1				-27.0	-21.25	5.80
HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M0 to M7 HT/VHT40, M0 to M7 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/V		HT/VHT40, M0 to M7	2	6	-33.1	-42.0			-26.5	-21.25	5.27
HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40, M0 to M7 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40, M8 to M15 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40, M16 to M23 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40, M24 to M31 4 6 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 8.12 HT/VHT40 Beam Forming, M0 to M7 2 9 -37.5 -48.3 -45.3 -41.9 -29.4 -21.25 6.85 HT/VHT40 Beam Forming, M8 to M15 2 6 -33.1 -42.0 -26.5 -21.25 5.27 HT/VHT40 Beam Forming, M0 to M7 3 11 -44.3 -49.7 -47.5 -30.8 -21.25 9.53 HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40, M8 to M15	2	6	-33.1	-42.0			-26.5	-21.25	5.27
HT/VHT40, M16 to M23 HT/VHT40, M0 to M7 HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Formin		HT/VHT40, M0 to M7	3	6	-33.1	-42.0	-43.4		-26.2	-21.25	4.93
HT/VHT40, M0 to M7 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M8 to M15 HT/VHT40, M16 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Bea		HT/VHT40, M8 to M15	3	6	-33.1	-42.0	-43.4		-26.2	-21.25	4.93
HT/VHT40, M8 to M15 HT/VHT40, M8 to M23 HT/VHT40, M24 to M31 HT/VHT40 Beam Forming, M0 to M7 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam Forming, M8 to M15 HT/VHT40 Beam Forming, M16 to M23 HT/VHT40 Beam For		HT/VHT40, M16 to M23	3	6	-33.1	-42.0	-43.4		-26.2	-21.25	4.93
HT/VHT40, M8 to M15		HT/VHT40, M0 to M7	4	6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12
HT/VHT40, M16 to M23		HT/VHT40, M8 to M15	4	6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12
HT/VHT40 Beam Forming, M0 to M7 2 9 -37.5 -48.3 -28.1 -21.25 6.85 HT/VHT40 Beam Forming, M8 to M15 2 6 -33.1 -42.0 -26.5 -21.25 5.27 HT/VHT40 Beam Forming, M0 to M7 3 11 -44.3 -49.7 -47.5 -30.8 -21.25 9.53 HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12	Ω	HT/VHT40, M16 to M23	4	6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12
HT/VHT40 Beam Forming, M8 to M15 2 6 -33.1 -42.0 -26.5 -21.25 5.27 HT/VHT40 Beam Forming, M0 to M7 3 11 -44.3 -49.7 -47.5 -30.8 -21.25 9.53 HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40, M24 to M31	4	6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12
HT/VHT40 Beam Forming, M0 to M7 3 11 -44.3 -49.7 -47.5 -30.8 -21.25 9.53 HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40 Beam Forming, M0 to M7	2	9	-37.5	-48.3			-28.1	-21.25	6.85
HT/VHT40 Beam Forming, M8 to M15 3 8 -37.5 -48.3 -45.3 -28.5 -21.25 7.23 HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40 Beam Forming, M8 to M15	2	6	-33.1	-42.0			-26.5	-21.25	5.27
HT/VHT40 Beam Forming, M16 to M23 3 6 -33.1 -42.0 -43.4 -26.2 -21.25 4.93 HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40 Beam Forming, M0 to M7	3	11	-44.3	-49.7	-47.5		-30.8	-21.25	9.53
HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12			3	8	-37.5		-45.3		-28.5	-21.25	7.23
HT/VHT40 Beam Forming, M0 to M7 4 12 -47.6 -47.5 -49.5 -49.7 -30.4 -21.25 9.13 HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40 Beam Forming, M16 to M23	3	6	-33.1	-42.0	-43.4		-26.2	-21.25	4.93
HT/VHT40 Beam Forming, M8 to M15 4 9 -42.6 -46.2 -46.8 -48.0 -30.3 -21.25 9.06 HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12		HT/VHT40 Beam Forming, M0 to M7	4	12		-47.5	-49.5	-49.7			9.13
HT/VHT40 Beam Forming, M16 to M23 4 7 -37.5 -48.3 -45.3 -41.9 -28.4 -21.25 7.12			4	9	-42.6	-46.2	-46.8	-48.0	-30.3	-21.25	9.06
		HT/VHT40 Beam Forming, M16 to M23	4	7	-37.5	-48.3	-45.3	-41.9	-28.4	-21.25	7.12
		HT/VHT40 Beam Forming, M24 to M31		6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12

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HT/VHT40 STBC, M0 to M7											
HT/VHT40 STBC, M0 to M7		HT/VHT40 STBC, M0 to M7	2	6	-33.1	-42.0			-26.5	-21.25	5.27
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	3	6	-33.1	-42.0	-43.4		-26.2	-21.25	4.93
HE40, M0 to M9 1ss		HT/VHT40 STBC, M0 to M7	4	6	-37.5	-48.3	-45.3	-41.9	-29.4	-21.25	8.12
HE40, M0 to M9 2ss		HE40, M0 to M9 1ss	1	6	-32.3				-26.2	-21.25	4.98
HE40, M0 to M9 1ss		HE40, M0 to M9 1ss	2	6	-32.3	-39.9			-25.5	-21.25	4.29
HE40, M0 to M9 2ss		HE40, M0 to M9 2ss	2	6	-32.3	-39.9			-25.5	-21.25	4.29
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	3	6	-32.3	-39.9	-44.7		-25.3	-21.25	4.08
HE40, M0 to M9 1ss		HE40, M0 to M9 2ss	3	6	-32.3	-39.9	-44.7		-25.3	-21.25	4.08
HE40, M0 to M9 2ss		HE40, M0 to M9 3ss	3	6	-32.3	-39.9	-44.7		-25.3	-21.25	4.08
HE40, M0 to M9 3ss		HE40, M0 to M9 1ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
HE40, M0 to M9 4ss		HE40, M0 to M9 2ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
HE40 Beam Forming, M0 to M9 1ss 2 9 -34.6 -45.4 - 25.2 -21.25 3.94 HE40 Beam Forming, M0 to M9 2ss 2 6 32.3 39.9 - 25.5 -21.25 4.29 HE40 Beam Forming, M0 to M9 1ss 3 11 39.8 48.3 45.8 -27.3 21.25 6.04 HE40 Beam Forming, M0 to M9 2ss 3 8 34.6 45.4 48.4 -26.0 21.25 4.77 HE40 Beam Forming, M0 to M9 3ss 3 6 32.3 39.9 44.7 25.3 21.25 4.08 HE40 Beam Forming, M0 to M9 1ss 4 12 49.0 49.0 50.0 52.5 31.8 21.25 10.58 HE40 Beam Forming, M0 to M9 2ss 4 9 39.8 48.3 45.8 46.6 28.7 21.25 7.44 HE40 Beam Forming, M0 to M9 3ss 4 7 34.6 45.4 48.4 45.6 26.7 21.25 7.44 HE40 Beam Forming, M0 to M9 3ss 4 7 34.6 45.4 48.4 45.6 26.7 21.25 5.47 HE40 Beam Forming, M0 to M9 2ss 4 9 39.8 48.3 45.8 46.6 28.7 21.25 5.47 HE40 Beam Forming, M0 to M9 2ss 4 6 32.3 39.9 44.7 41.7 24.9 21.25 3.69 HE40 STBC, M0 to M9 2ss 2 6 32.3 39.9 44.7 41.7 24.9 21.25 3.69 HE40 STBC, M0 to M9 2ss 3 6 32.3 39.9 44.7 25.5 21.25 4.08 HE40 STBC, M0 to M9 2ss 3 6 33.3 39.9 44.7 25.5 21.25 4.08 HE40 STBC, M0 to M9 2ss 3 6 33.3 39.9 44.7 24.9 21.25 3.69 Non HT20, 6 to 54 Mbps 2 6 37.9 43.7 24.7 24.9 21.25 6.00 Non HT20, 6 to 54 Mbps 2 7 6 37.9 43.7 30.8 21.25 16.49 Non HT20, 6 to 54 Mbps 3 6 48.6 48.5 48.6 37.7 21.25 16.49 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 48.6 48.5 48.6 32.7 21.25 16.39 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 48.6 48.5 48.6 32.7 21.25 16.39 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 48.8 48.5 48.6 32.7 21.25 16.39 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 48.8 48.5 48.6 32.7 21.25 16.39 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 48.8 48.5 48.6 32.7 21.25 16.39 HT/VHT20, M0 to M7 1 6 32.1 42.9 44.9 31.6 21.25 10.39 HT/VHT20, M0 to M7 1 6 32.1 42.9 44.8 49.9 31.6 21.25 10.39 HT/VHT20, M0 to M7 1 6 32.1 42.9 44.8 24.9 31.6 21.25 14.99 HT/VHT20, M0 to M7 4 6 44.9 48.6 48.9 50.6 50.5 38.0 21.25 14.99 HT/VHT20, M0 to M7 4 6 44.9 48.9 50.6 50.5 38.0 21.25 10.78 HT/VHT20, M0 to M7 4 6 44.9 48.9 50.6 50.5 38.0 21.25 10.78 HT/VHT20, M0 to M7 4 6 44.9 48.9 50.6 50.5 38.0 21.25 10.78 HT/VHT20, M0 to M		HE40, M0 to M9 3ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
HE40 Beam Forming, M0 to M9 2ss		HE40, M0 to M9 4ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
HE40 Beam Forming, M0 to M9 1ss		HE40 Beam Forming, M0 to M9 1ss	2	9	-34.6	-45.4			-25.2	-21.25	3.94
HE40 Beam Forming, M0 to M9 2ss 3 8 -34.6 -45.4 -48.4 -26.0 -21.25 4.77 HE40 Beam Forming, M0 to M9 3ss 3 6 -32.3 -39.9 -44.7 -25.3 -21.25 4.08 HE40 Beam Forming, M0 to M9 1ss 4 12 -49.0 -49.0 -50.0 -52.5 -31.8 -21.25 10.58 HE40 Beam Forming, M0 to M9 2ss 4 9 -39.8 -48.3 -45.8 -46.6 -28.7 -21.25 7.44 HE40 Beam Forming, M0 to M9 3ss 4 7 -34.6 -45.4 -48.4 -45.6 -26.7 -21.25 5.47 HE40 Beam Forming, M0 to M9 4ss 4 6 -32.3 -39.9 -44.7 -41.7 -24.9 -21.25 3.69 HE40 STBC, M0 to M9 2ss 2 6 -32.3 -39.9 -44.7 -41.7 -24.9 -21.25 3.69 HE40 STBC, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -41.7 -24.9 -21.25 3.69 HE40 STBC, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -41.7 -24.9 -21.25 3.69 HE40 STBC, M0 to M9 2ss 3 6 -32.3 -39.9 -44.7 -41.7 -24.9 -21.25 3.69 Non HT20, 6 to 54 Mbps 1 6 -33.3 -39.9 -44.7 -41.7 -24.9 -21.25 3.69 Non HT20, 6 to 54 Mbps 2 6 -37.9 -43.7 -30.8 -21.25 9.59 Non HT20, 6 to 54 Mbps 3 6 -48.6 -48.5 -48.6 -37.7 -21.25 16.49 Non HT20, 6 to 54 Mbps 4 6 -48.9 -50.4 -49.8 -49.9 -37.6 -21.25 16.39 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -48.6 -48.5 -48.6 -32.7 -21.25 11.49 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -48.6 -48.5 -48.6 -32.7 -21.25 11.49 Non HT20 Beam Forming, 6 to 54 Mbps 3 11 -48.6 -48.5 -48.6 -32.7 -21.25 10.39 HT//HT20, M0 to M7 1 6 -32.1 -42.9 -25.7 -21.25 4.80 HT//HT20, M0 to M7 2 6 -32.1 -42.9 -25.7 -21.25 4.45 HT//HT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT//HT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 14.99 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 16.78 HT//HT20, M16 to M23 3 6 -32.		HE40 Beam Forming, M0 to M9 2ss	2	6	-32.3	-39.9			-25.5	-21.25	4.29
HE40 Beam Forming, M0 to M9 3ss		HE40 Beam Forming, M0 to M9 1ss	3	11	-39.8	-48.3	-45.8		-27.3	-21.25	6.04
HE40 Beam Forming, M0 to M9 3ss		HE40 Beam Forming, M0 to M9 2ss	3	8	-34.6	-45.4	-48.4		-26.0	-21.25	4.77
HE40 Beam Forming, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	3	6	-32.3	-39.9	-44.7		-25.3		4.08
HE40 Beam Forming, M0 to M9 2ss			4	12	-49.0	-49.0	-50.0	-52.5	-31.8	-21.25	10.58
HE40 Beam Forming, M0 to M9 4ss		-	4	9	-39.8	-48.3	-45.8	-46.6	-28.7	-21.25	7.44
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 3ss	4	7	-34.6	-45.4	-48.4	-45.6	-26.7	-21.25	5.47
HE40 STBC, M0 to M9 2ss		HE40 Beam Forming, M0 to M9 4ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
HE40 STBC, M0 to M9 2ss		HE40 STBC, M0 to M9 2ss	2	6	-32.3	-39.9			-25.5	-21.25	4.29
Non HT20, 6 to 54 Mbps		HE40 STBC, M0 to M9 2ss	3	6	-32.3	-39.9	-44.7		-25.3	-21.25	4.08
Non HT20, 6 to 54 Mbps Non HT20, 6 to 54 Mbps 3 6 -48.6 -48.5 -48.6 -37.7 -21.25 16.49		HE40 STBC, M0 to M9 2ss	4	6	-32.3	-39.9	-44.7	-41.7	-24.9	-21.25	3.69
Non HT20, 6 to 54 Mbps Non HT20, 6 to 54 Mbps 3 6 -48.6 -48.5 -48.6 -37.7 -21.25 16.49							_		_		
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 P-48.6 -48.6 -48.6 -48.6 -48.6 -48.6 -48.6 -48.9 -25.7 -21.25 10.39 HT/VHT20, M0 to M7 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 10.49 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -49.9 -41.8 -25.3 -21.25 10.49 HT/VHT20, M0 to M7 -41.8 -25.3 -21.25 10.49 HT/VHT20, M0 to M7		Non HT20, 6 to 54 Mbps	1	6	-33.3				-27.2	-21.25	6.00
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps Non HT20 Peas Peas Peas Peas Peas Peas Peas Peas		Non HT20, 6 to 54 Mbps	2	6	-37.9	-43.7			-30.8	-21.25	9.59
Non HT20, 6 to 54 Mbps Non HT20 Beam Forming, 6 to 54 Mbps HT/VHT20, M0 to M7 Non HT20, M0 to M7 Non HT20 Beam Forming, 6 to 54 Mbps HT/VHT20, M0 to M7 Non HT20, M0 to M15 Non HT2		Non HT20, 6 to 54 Mbps	3	6	-48.6	-48.5	-48.6		-37.7	-21.25	16.49
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20, 6 to 54 Mbps	4	6	-48.9	-50.4	-49.8	-49.9	-37.6	-21.25	16.39
Non HT20 Beam Forming, 6 to 54 Mbps		Non HT20 Beam Forming, 6 to 54 Mbps	2	9	-37.9	-43.7			-27.8	-21.25	6.59
HT/VHT20, M0 to M7 1 6 -32.1 -42.9 -25.7 -21.25 4.80 HT/VHT20, M8 to M15 2 6 -32.1 -42.9 -25.7 -21.25 4.45 HT/VHT20, M8 to M15 3 6 -44.9 -48.6 -48.9 -36.2 -21.25 14.99 HT/VHT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77		Non HT20 Beam Forming, 6 to 54 Mbps	3	11	-48.6	-48.5	-48.6		-32.7	-21.25	11.49
HT/VHT20, M8 to M15 2 6 -32.1 -42.9 -25.7 -21.25 4.45 HT/VHT20, M0 to M7 3 6 -44.9 -48.6 -48.9 -36.2 -21.25 14.99 HT/VHT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77		Non HT20 Beam Forming, 6 to 54 Mbps	4	12	-48.9	-50.4	-49.8	-49.9	-31.6	-21.25	10.39
HT/VHT20, M8 to M15 2 6 -32.1 -42.9 -25.7 -21.25 4.45 HT/VHT20, M0 to M7 3 6 -44.9 -48.6 -48.9 -36.2 -21.25 14.99 HT/VHT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77	20	HT/VHT20, M0 to M7	1	6	-32.1				-26.0	-21.25	4.80
HT/VHT20, M0 to M7 3 6 -44.9 -48.6 -48.9 -36.2 -21.25 14.99 HT/VHT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77	53,	HT/VHT20, M0 to M7	2	6	-32.1	-42.9			-25.7	-21.25	4.45
HT/VHT20, M0 to M7 3 6 -44.9 -48.6 -48.9 -36.2 -21.25 14.99 HT/VHT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77		HT/VHT20, M8 to M15	2	6	-32.1	-42.9			-25.7	-21.25	4.45
HT/VHT20, M8 to M15 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77		,	_				-48.9				
HT/VHT20, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.25 4.04 HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77											
HT/VHT20, M0 to M7 4 6 -49.6 -49.8 -50.6 -50.5 -38.0 -21.25 16.78 HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77		·	3	6							
HT/VHT20, M8 to M15 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.25 10.77			-				-50.6	-50.5			
			4								
		HT/VHT20, M16 to M23	4		-35.8	-45.0		-46.5	-28.5	-21.25	7.29

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HT/VHT20, M24 to M31 4 6 -35.8 -45.0 -45.2 -46.5 -28.5 -21.3 HT/VHT20 Beam Forming, M8 to M15 2 9 -35.8 -45.0 -26.3 -21.3 HT/VHT20 Beam Forming, M8 to M15 2 6 -32.1 -42.9 -25.7 -21.3 HTAVHT20 Beam Forming, M0 to M7 3 44.0 48.6 48.0 34.2 34.2	
HT/VHT20 Beam Forming, M8 to M15 2 6 -32.1 -42.9 -25.7 -21.2	5 5.00
HTA/HT20 Poom Forming M0 to M7	5 4.45
HT/VHT20 Beam Forming, M0 to M7	5 9.99
HT/VHT20 Beam Forming, M8 to M15 3 8 -35.8 -45.0 -45.2 -26.8 -21.2	5 5.58
HT/VHT20 Beam Forming, M16 to M23 3 6 -32.1 -42.9 -41.8 -25.3 -21.3	5 4.04
HT/VHT20 Beam Forming, M0 to M7 4 12 -49.6 -49.8 -50.6 -50.5 -32.0 -21.2	5 10.78
HT/VHT20 Beam Forming, M8 to M15 4 9 -40.3 -47.2 -46.1 -47.2 -29.0 -21.3	5 7.77
HT/VHT20 Beam Forming, M16 to M23 4 7 -35.8 -45.0 -45.2 -46.5 -27.5 -21.3	5 6.29
HT/VHT20 Beam Forming, M24 to M31	5 7.29
HT/VHT20 STBC, M0 to M7 2 6 -32.1 -42.9 -25.7 -21.2	5 4.45
HT/VHT20 STBC, M0 to M7 3 6 -32.1 -42.9 -41.8 -25.3 -21.3	5 4.04
HT/VHT20 STBC, M0 to M7 4 6 -40.3 -47.2 -46.1 -47.2 -32.0 -21.2	5 10.77
HE20, M0 to M9 1ss 1 6 -34.4 -28.3 -21.3	5 7.08
HE20, M0 to M9 1ss 2 6 -34.4 -43.1 -27.8 -21.2	5 6.53
HE20, M0 to M9 2ss 2 6 -34.4 -43.1 -27.8 -21.2	5 6.53
HE20, M0 to M9 1ss 3 6 -42.5 -47.1 -47.6 -34.2 -21.2	5 12.99
HE20, M0 to M9 2ss 3 6 -34.4 -43.1 -44.7 -27.4 -21.3	5 6.19
HE20, M0 to M9 3ss 3 6 -34.4 -43.1 -44.7 -27.4 -21.2	5 6.19
HE20, M0 to M9 1ss 4 6 -48.8 -49.7 -49.0 -49.6 -37.2 -21.3	5 15.92
HE20, M0 to M9 2ss 4 6 -35.9 -45.9 -45.9 -47.7 -28.8 -21.3	5 7.56
HE20, M0 to M9 3ss 4 6 -34.4 -43.1 -44.7 -43.8 -27.1 -21.3	5 5.80
HE20, M0 to M9 4ss 4 6 -34.4 -43.1 -44.7 -43.8 -27.1 -21.2	5 5.80
HE20 Beam Forming, M0 to M9 1ss 2 9 -35.9 -45.9 -26.4 -21.3	5 5.17
HE20 Beam Forming, M0 to M9 2ss 2 6 -34.4 -43.1 -27.8 -21.3	5 6.53
HE20 Beam Forming, M0 to M9 1ss 3 11 -42.5 -47.1 -47.6 -29.2 -21.2	5 7.99
HE20 Beam Forming, M0 to M9 2ss 3 8 -35.9 -45.9 -45.9 -27.0 -21.3	5 5.79
HE20 Beam Forming, M0 to M9 3ss 3 6 -34.4 -43.1 -44.7 -27.4 -21.2	5 6.19
HE20 Beam Forming, M0 to M9 1ss 4 12 -48.8 -49.7 -49.0 -49.6 -31.2 -21.2	5 9.92
HE20 Beam Forming, M0 to M9 2ss 4 9 -35.9 -45.9 -45.9 -47.7 -25.8 -21.3	5 4.56
HE20 Beam Forming, M0 to M9 3ss 4 7 -35.9 -45.9 -45.9 -47.7 -27.8 -21.3	5 6.56
HE20 Beam Forming, M0 to M9 4ss 4 6 -34.4 -43.1 -44.7 -43.8 -27.1 -21.3	5 5.80
HE20 STBC, M0 to M9 2ss 2 6 -34.4 -43.1 -27.8 -21.3	5 6.53
HE20 STBC, M0 to M9 2ss 3 6 -34.4 -43.1 -44.7 -27.4 -21.3	5 6.19
HE20 STBC, M0 to M9 2ss 4 6 -35.9 -45.9 -45.9 -47.7 -28.8 -21.3	5 7.56
Non HT160, 6 to 54 Mbps 1 6 -34.8 -28.7 -21.3	5 7.50
Non HT160, 6 to 54 Mbps 2 6 -34.8 -42.3 -28.0 -21.3	5 6.79
Non HT160, 6 to 54 Mbps 3 6 -34.8 -42.3 -40.1 -27.1 -21.3 Non HT160, 6 to 54 Mbps 4 6 -34.8 -42.3 -40.1 -40.5 -26.3 -21.3	5 5.82
Non HT160, 6 to 54 Mbps 4 6 -34.8 -42.3 -40.1 -40.5 -26.3 -21.3	5 5.09
VHT160, M0 to M9 1ss 1 6 -30.1 -24.0 -21.3	5 2.80
VHT160, M0 to M9 1ss 2 6 -30.1 -35.8 -23.0 -21.3	5 1.76

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VHT160, M0 to M9 2ss	2	6	-30.1	-35.8			-23.0	-21.25	1.76
VHT160, M0 to M9 1ss	3	6	-30.1	-35.8	-34.9		-22.0	-21.25	0.75
VHT160, M0 to M9 2ss	3	6	-30.1	-35.8	-34.9		-22.0	-21.25	0.75
VHT160, M0 to M9 3ss	3	6	-30.1	-35.8	-34.9		-22.0	-21.25	0.75
VHT160, M0 to M9 1ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
VHT160, M0 to M9 2ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
VHT160, M0 to M9 3ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
VHT160, M0 to M9 4ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
VHT160 Beam Forming, M0 to M9 1ss	2	9	-32.9	-37.4			-22.5	-21.25	1.28
VHT160 Beam Forming, M0 to M9 2ss	2	6	-30.1	-35.8			-23.0	-21.25	1.76
VHT160 Beam Forming, M0 to M9 1ss	3	11	-36.7	-38.8	-39.1		-22.2	-21.25	0.99
VHT160 Beam Forming, M0 to M9 2ss	3	8	-32.9	-37.4	-37.0		-22.4	-21.25	1.18
VHT160 Beam Forming, M0 to M9 3ss	3	6	-30.1	-35.8	-34.9		-22.0	-21.25	0.75
VHT160 Beam Forming, M0 to M9 1ss	4	12	-39.5	-40.7	-39.1	-40.6	-21.8	-21.25	0.60
VHT160 Beam Forming, M0 to M9 2ss	4	9	-36.7	-38.8	-39.1	-39.8	-23.4	-21.25	2.11
VHT160 Beam Forming, M0 to M9 3ss	4	7	-32.9	-37.4	-37.0	-36.7	-22.5	-21.25	1.25
VHT160 Beam Forming, M0 to M9 4ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
VHT160 STBC, M0 to M9 1ss	2	6	-30.1	-35.8			-23.0	-21.25	1.76
VHT160 STBC, M0 to M9 1ss	3	6	-30.1	-35.8	-34.9		-22.0	-21.25	0.75
VHT160 STBC, M0 to M9 1ss	4	6	-32.9	-37.4	-37.0	-36.7	-23.5	-21.25	2.25
HE160, M0 to M9 1ss	1	6	-32.2				-26.1	-21.25	4.88
HE160, M0 to M9 1ss	2	6	-36.0	-42.3			-29.0	-21.25	7.77
HE160, M0 to M9 2ss	2	6	-36.0	-42.3			-29.0	-21.25	7.77
HE160, M0 to M9 1ss	3	6	-36.0	-42.3	-41.6		-28.1	-21.25	6.89
HE160, M0 to M9 2ss	3	6	-36.0	-42.3	-41.6		-28.1	-21.25	6.89
HE160, M0 to M9 3ss	3	6	-36.0	-42.3	-41.6		-28.1	-21.25	6.89
HE160, M0 to M9 1ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88
HE160, M0 to M9 2ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88
HE160, M0 to M9 3ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88
HE160, M0 to M9 4ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88
HE160 Beam Forming, M0 to M9 1ss	2	9	-40.0	-44.0			-29.5	-21.25	8.23
HE160 Beam Forming, M0 to M9 2ss	2	6	-36.0	-42.3			-29.0	-21.25	7.77
HE160 Beam Forming, M0 to M9 1ss	3	11	-43.3	-46.0	-46.1		-29.1	-21.25	7.84
HE160 Beam Forming, M0 to M9 2ss	3	8	-40.0	-44.0	-43.2		-29.2	-21.25	7.95
HE160 Beam Forming, M0 to M9 3ss	3	6	-36.0	-42.3	-41.6		-28.1	-21.25	6.89
HE160 Beam Forming, M0 to M9 1ss	4	12	-44.2	-46.2	-46.8	-48.1	-28.0	-21.25	6.75
HE160 Beam Forming, M0 to M9 2ss	4	9	-43.3	-46.0	-46.1	-45.8	-30.0	-21.25	8.79
HE160 Beam Forming, M0 to M9 3ss	4	7	-40.0	-44.0	-43.2	-41.9	-28.9	-21.25	7.66
HE160 Beam Forming, M0 to M9 4ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88
HE160 STBC, M0 to M9 1ss	2	6	-36.0	-42.3			-29.0	-21.25	7.77
HE160 STBC, M0 to M9 1ss	3	6	-36.0	-42.3	-41.6		-28.1	-21.25	6.89
HE160 STBC, M0 to M9 1ss	4	6	-36.0	-42.3	-41.6	-40.0	-27.1	-21.25	5.88

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Conducted Bandedge Peak, 5250 MHz, VHT160 Beam Forming, M0 to M9 1ss





Antenna A

Antenna B





Antenna C

Antenna D



Appendix B: Radiated & AC Conducted Emissions Test Results Testing done by outsite laboratory.

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Appendix C: List of Test Equipment Used to perform the test

	Test Equipment used for Radiated Emissions							
Equip# Manufacturer/ Model		Description	Last Cal	Next Cal	Test Item			
57476	Cisco	Automation Test Insertion Loss	NA	NA	A1-A7			
50721	Keysight N9030A-550	PXA Signal Analyzer, 3Hz to 50GHz	15 Mar 2019	15 Mar 2020	A1-A7			
55094	NI PXI-1042	CHASSIS, PXI	NA	NA	A1-A7			
57237	NI PXI-8115	Embedded Controller	NA	NA	A1-A7			
54686	NI PXI-2796	40 GHz Dual 6x1 Multiplexer (SP6T)	NA	NA	A1-A7			
57245	NI PXI-2799	Switch 1x1	NA	NA	A1-A7			
56091	NI PXI-2796	40 GHz Dual 6x1 Multiplexer (SP6T)	NA	NA	A1-A7			
7329	Omega CT485B	Chart recorder	18 Feb 2019	18 Feb 2020	A1-A7			
56328	Pasternack PE5019-1	Torque wrench	14 Feb 2019	14 Feb 2020	A1-A7			
56329	Pasternack PE5019-1	Torque wrench	28 Feb 2019	28 Feb 2020	A1-A7			
56330	Pasternack PE5019-1	Torque wrench	28 Feb 2019	28 Feb 2020	A1-A7			

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Appendix D: Abbreviation Key and Definitions

The following table defines abbreviations used within this test report.

Abbreviation	Description	Abbreviation	Description
EMC	Electro Magnetic Compatibility	°F	Degrees Fahrenheit
EMI	Electro Magnetic Interference	°C	Degrees Celsius
EUT	Equipment Under Test	Temp	Temperature
ITE	Information Technology Equipment	S/N	Serial Number
TAP	Test Assessment Schedule	Qty	Quantity
ESD	Electro Static Discharge	emf	Electromotive force
EFT	Electric Fast Transient	RMS	Root mean square
EDCS	Engineering Document Control System	Qp	Quasi Peak
Config	Configuration	Av	Average
CIS#	Cisco Number (unique identification number for Cisco test equipment)	Pk	Peak
Cal	Calibration	kHz	Kilohertz (1x10 ³)
EN	European Norm	MHz	MegaHertz (1x10 ⁶)
IEC	International Electro technical Commission	GHz	Gigahertz (1x10 ⁹)
CISPR	International Special Committee on Radio Interference	Н	Horizontal
CDN	Coupling/Decoupling Network	V	Vertical
LISN	Line Impedance Stabilization Network	dB	decibel
PE	Protective Earth	V	Volt
GND	Ground	kV	Kilovolt (1x10 ³)
L1	Line 1	μV	Microvolt (1x10 ⁻⁶)
L2	Line2	A	Amp
L3	Line 3	μА	Micro Amp (1x10 ⁻⁶)
DC	Direct Current	mS	Milli Second (1x10 ⁻³)
RAW	Uncorrected measurement value, as indicated by the measuring device	μЅ	Micro Second (1x10 ⁻⁶)
RF	Radio Frequency	μS	Micro Second (1x10 ⁻⁶)
SLCE	Signal Line Conducted Emissions	m	Meter
Meas dist	Measurement distance	Spec dist	Specification distance
N/A or NA	Not Applicable	SL	Signal Line (or Telecom Line)
Р	Power Line	L	Live Line
N	Neutral Line	R	Return
S	Supply	AC	Alternating Current

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Appendix E: Photographs of Test Setups

Please refer to the attachment

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Appendix F: Software Used to Perform Testing

Cisco Internal LabView Radio Test Automation Software rev57

Appendix G: Test Procedures

Measurements were made in accordance with

- KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- KDB 662911 MIMO
- ANSI C63.4 2014 Unintentional Radiators
- ANSI C63.10 2013 Intentional Radiators

Test procedures are summarized below:

FCC 5GHz Test Procedures	EDCS # 1445048
FCC 5GHz RSE Test Procedures	EDCS # 1511600

Appendix H: Scope of Accreditation (A2LA certificate number 1178-01)

The scope of accreditation of Cisco Systems, Inc. can be found on the A2LA web page at:

http://www.a2la.org/scopepdf/1178-01.pdf

Appendix I: Test Assessment Plan

Target Power Tables EDCS# 18087112

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Appendix J: UUT Software Info

APA453.0E7B.CD60#
APA453.0E7B.CD60#
APA453.0E7B.CD60#
APA453.0E7B.CD60#test watchdog monitoring off
APA453.0E7B.CD60#
APA453.0E7B.CD60#
APA453.0E7B.CD60#
APA453.0E7B.CD60#
APA453.0E7B.CD60#
APA453.0E7B.CD60#sho ver
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Cisco AP Software, (ap1g7), [cheetah-build6:/san2/BUILD/workspace/Nightly-Cheetah-axel-bcm-mfg-c8_10_throttle] Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2019 by Cisco Systems, Inc.

Compiled Wed Aug 21 08:08:55 PDT 2019

ROM: Bootstrap program is U-Boot boot loader BOOTLDR: U-Boot boot loader Version

APA453.0E7B.CD60 uptime is 0 days, 0 hours, 4 minutes Last reload time : Wed Aug 21 08:11:07 UTC 2019

Last reload reason : unknown

cisco C9120AXE-B with 1813676/1039368K bytes of memory.

Processor board ID 0

AP Running Image : 8.8.1.10
Primary Boot Image : 8.8.1.10
Backup Boot Image : 0.0.0.0
Primary Boot Image Hash:
Backup Boot Image Hash:
1 Gigabit Ethernet interfaces

2 802.11 Radios

Radio Driver version: 17.10 RC77.13

Radio FW version: 1268.14948.r14702 14702

NSS FW version : NA

Base ethernet MAC Address : A4:53:0E:7B:CD:60

Part Number : 0-000000-00

PCA Assembly Number : 800-105708-01

PCA Revision Number : 09

PCB Serial Number : FOC23302F06 Top Assembly Part Number : 800-105708-01

Top Assembly Serial Number : 0
Top Revision Number : 09

Product/Model Number : C9120AXE-B

APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60# APA453.0E7B.CD60#

APA453.0E7B.CD60#devs

EXITING CISCO SHELL. PLEASE EXECUTE EXIT IN DEVSHELL TO GET BACK TO CISCO SHELL.

BusyBox v1.29.3 () built-in shell (ash)

Welcome to Cisco.

Usage of this device is governed by Cisco's End User License Agreement, available at:

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```
http://www.cisco.com/c/en/us/td/docs/general/warranty/English/EU1KEN_.html.
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cat MERAKI_BUILD.extra
Wed Aug 21 08:08:55 PDT 2019
cheetah-build6
/san2/BUILD/workspace/Nightly-Cheetah-axel-bcm-mfg-c8_10_throttle
* (HEAD detached at 0b10909464)
svn base: 0b109094643143e6e3f14a2245747dc261b56619
commit: 0b109094643143e6e3f14a2245747dc261b56619
tree e30cd20c3ac842da790e18e92fa6ccadb2437fc6
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# show_cookie
Part Number
                         : 0-000000-00
Board Revision
                          : 00
PCB Serial Number
                            : FOC23302F06
PCB Fab Part Number
                              : 0-000000-00
Deviation Number
                           : 0
MAC Address
                          : A4:53:0E:7B:CD:60
MAC Address Block Size
Radio 0 MAC Address
                             : D4:AD:BD:A2:1B:00
Radio 0 MAC Address Block Size
                                : 16
Radio 1 MAC Address
                             : D4:AD:BD:A2:1B:10
Radio 1 MAC Address Block Size
                                 : 16
PCA Assembly Number
                              : 800-105708-01
PCA Revision Number
                             : 09
Product/Model Number
                             : C9120AXE-B
Top Assembly Part Number
                               : 800-105708-01
Top Revision Number
                             : 09
Top Assembly Serial Number
                               : 0
RMA Test History
                           : 00
RMA History
                         : 00
RMA Number
                          : 00-00-00-00
Device Type
                         : 4C
                             : 2
Max Association Allowed
Radio(2.4G) Carrier Set
                            : 0000
Radio(2.4G) Max Transmit Power Level: 100
Radio(2.4G) Antenna Diversity Support: 01
Radio(2.4G) Encryption Ability
                              : 0002
Radio(5G) Carrier Set
                            : 0029
Radio(5G) Max Transmit Power Level : 100
Radio(5G) Antenna Diversity Support: 01
Radio(5G) Encryption Ability
                              : 0002
Radio(802.11g) Radio Mode
                               : 255
PEP Product Identifier (PID)
                             : C9120AXE-B
PEP Version Identifier (VID)
                             : V01
System Flags
                         : 00
Controller Type
                         : 0000
Host Controller Type
                           : 0000
Mfr Service Date
                          : 2019.08.03-47:59:59
```

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```
Radio(49) Carrier Set
                            : 0000
Radio(49) Max Transmit Power Level : 0
Radio(49) Antenna Diversity Support: 00
Radio(49) Encryption Ability
                              : 0000
Radio(58) Carrier Set
                            : 0029
Radio(58) Max Transmit Power Level : 100
Radio(58) Antenna Diversity Support: 01
Radio(58) Encryption Ability
                             : 0002
                         : C9120
ACT2 ID
Static AP Mode
                           : 0
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cat /storage/rxtx_mode
tx
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/#
mA4530E7BCD60:/# cd /usr/bin/bcm/mfg
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg#
mA4530E7BCD60:/usr/bin/bcm/mfg# ./dfstool.lua
Vanc dfstool
BOARD: Axel BCM !!!!!!
Display config:
wl -i apr0v0 status | head -3
"SSID: "MFG-2GTEST"
Mode: Managed RSSI: 0 dBm
                                 SNR: 0 dB
                                                 noise: -97 dBm
                                                                  Channel: 1
BSSID: D4:AD:BD:A2:1B:00
                                 Capability: ESS ShortSlot "
Display config:
wl -i apr1v0 status | head -3
"SSID: "MFG-5GTEST"
Mode: Managed RSSI: 0 dBm
                                 SNR: 0 dB
                                                 noise: -96 dBm
                                                                  Channel: 36
                                 Capability: ESS "
BSSID: D4:AD:BD:A2:1B:0F
show_carrier_cookies | grep -o '..$'
rc:result="41"
wl -i apr1v0 country US
wl -i apr0v0 country US
line=""
line=""
line=""
line=""
line=""
>do0 stop
```



```
line="do0 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do0 stop"
interface="0"
stop_option="stop"
wl -i apr0v0 pkteng_status | awk -F'[, ]' '{print $3}'
main:result="0"
1601792112 (0x5f796870)
line=""
line=""
line=""
>do1 stop
line="do1 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do1 stop"
interface="1"
stop_option="stop"
wl -i apr1v0 pkteng_status | awk -F'[, ]' '{print $3}'
main:result="0"
1601792112 (0x5f796870)
line=""
line=""
line=""
>do4 stop
line="do4 stop"
DEBUG: compliance stop command matched.
INFO: subcommand="compliance off".
execution section for compliance stop command.
line="do4 stop"
interface="4"
stop_option="stop"
[08/21/2019 08:15:55.2970] NXP-RHL-Driver 0001:01:00.0: xcvr[0], swcmd 0x23 done
[08/21/2019 08:15:55.4770] NXP-RHL-Driver 0001:01:00.0: xcvr[0], swcmd 0x4 done
[08/21/2019 08:15:55.5600] NXP-RHL-Driver 0001:01:00.0: VSPA FW :: FN = dcr.eld
line=""
line=""
line=""
                                              Page No: 100 of 101
```



line=""

End