

## Radio Test Report

For

### C9115AXE-B

FCC ID: LDKSLTSP1905

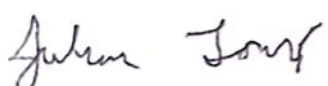
5470-5725 MHz

Against the following Specifications:

CFR47 Part 15.407



Cisco Systems  
170 West Tasman Drive  
San Jose, CA 95134

|                                                                                     |                                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  |           |
| <b>Author:</b> Julian Land<br><b>Tested By:</b> Julian Land                         | <b>Approved By:</b> Gerard Thorpe<br><b>Title:</b> Compliance Manager<br><b>Revision:</b> 1.2 |

This report replaces any previously entered test report under EDCS – 17191497. This test report has been electronically authorized and archived using the CISCO Engineering Document Control system. Test Report Template EDCS# 1526150.

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## Section 1: Overview

### 1.1 Test Summary

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

|                       |
|-----------------------|
| <b>specifications</b> |
| CFR47 Part 15.407     |

## Section 2: Assessment Information

### 2.1 General

This report contains an assessment of an apparatus against Radio 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*%                          |
- e) All AC testing was performed at one or more of the following supply voltages:

|                     |
|---------------------|
| 110V 60 Hz (+/-20%) |
|---------------------|

### 2.2 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    | $\pm 2$ dB              |
| conducted EIRP measurements       | $\pm 1.4$ dB            |
| radiated measurements             | $\pm 3.2$ dB            |
| frequency measurements            | $\pm 2.4 \cdot 10^{-7}$ |
| temperature measurements          | $\pm 0.54^\circ$        |
| humidity measurements             | $\pm 2.3\%$             |
| DC and low frequency measurements | $\pm 2.5\%$             |

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%)

|                |             |
|----------------|-------------|
| 30 MHz – 40GHz | +/- 0.38 dB |
|----------------|-------------|

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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## 2.3 Date of testing (initial sample receipt date to last date of testing)

March 12, 2019 – April 29, 2019

## 2.4 Report Issue Date

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## 2.5 Testing facilities

This assessment was performed by:

### Headquarters

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

### Testing Laboratory

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

### Registration Numbers for ISED (Innovation, Science and Economic Development Canada)

| Cisco System Site       | Address                                                            | Site Identifier    |
|-------------------------|--------------------------------------------------------------------|--------------------|
| Building P, 10m Chamber | 125 West Tasman Drive<br>San Jose, CA 95134<br>United States       | Company #: 2461N-2 |
| Building P, 5m Chamber  | 125 West Tasman Drive<br>San Jose, CA 95134<br>United States       | Company #: 2461N-1 |
| Building I, 5m Chamber  | 285 W. Tasman Drive<br>San Jose, California 95134<br>United States | Company #: 2461M-1 |
| Building 7, 5m Chamber  | 425 E. Tasman Drive<br>San Jose, California 95134<br>United States | Company #: 2461N-3 |

### Test Engineers

Julian Land

## 2.6 Equipment Assessed (EUT)

C9115AXE-B

## 2.7 EUT Description

The C9115AX is a next generation access point. The dual band 2.4GHz and 5GHz WIFI radio supports the next generation WIFI protocol of 802.11ax and is backwards compatible with 802.11a, b, g, n, ac. The access point features 4 external antennas and operates in a 4x4 configuration in both the 2.4GHz and 5GHz bands.

The following antennas are supported by this product series.

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

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

|      | Supported Channel | Bandwidth |
|------|-------------------|-----------|
| Low  | 5500MHz           | 20MHz     |
| Mid  | 5580MHz           | 20MHz     |
| High | 5720MHz           | 20MHz     |
| Low  | 5510MHz           | 40MHz     |
| Mid  | 5590MHz           | 40MHz     |
| High | 5710MHz           | 40MHz     |
| Low  | 5530MHz           | 80MHz     |
| Mid  | 5610MHz           | 80MHz     |



|      |         |        |
|------|---------|--------|
| High | 5690MHz | 80MHz  |
| Low  | 5570MHz | 160MHz |
| Mid  | n/a     | 160MHz |
| High | n/a     | 160MHz |

## Section 3: Result Summary

### 3.1 Results Summary Table

#### 3.1.1 Radio Port Results

| Basic Standard                         | Technical Requirements / Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Result |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| FCC 15.407                             | <p><b>99%- &amp; 26-dB Bandwidth:</b><br/>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.</p> <p>The 26dB 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.</p>                                                                         | Pass   |
| FCC 15.407                             | <p><b>Output Power:</b><br/><b>15.407</b> (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 250mW 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 6dBi 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 6dBi.</p> | Pass   |
| FCC 15.407                             | <p><b>Power Spectral Density</b><br/><b>15.407</b> (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands...the maximum power spectral density shall not exceed 11 dBm in any 1-megahertz band. If transmitting antennas of directional gain greater than 6dBi 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 6dBi.</p>                                                                                                                                                                                              | Pass   |
| FCC 15.407                             | <p><b>Conducted Spurious Emissions / Band-Edge:</b><br/><b>15.407</b> (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz..</p>                                                                                                                                                                                                                                                                                                                                                                                                              | Pass   |
| FCC 15.407<br>FCC 15.209<br>FCC 15.205 | <p><b>Restricted band:</b><br/>Unwanted emissions falling within the restricted bands, as defined in FCC 15.205 (a) must also comply with the radiated emission limits specified in FCC 15.209 (a)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pass   |

### 3.1.2 Radiated Emissions (General Requirements)

| Basic Standard | Technical Requirements / Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Result                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| FCC 15.209     | <b>TX Spurious Emissions:</b><br>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.                                                                                                                                                                                                                                                                                                   | Pass                                        |
| FCC 15.207     | <b>AC conducted Emissions:</b><br>Except when the requirements applicable to a given device state otherwise, for any radio apparatus equipped to operate from the public utility AC power supply, either directly or indirectly (such as with a battery charger), the radio frequency voltage of emissions conducted back onto the AC power lines in the frequency range of 0.15 MHz to 30 MHz shall not exceed the limits shown in the table in these sections. The more stringent limit applies at the frequency range boundaries. | NA (Unit is only powered by DC power - POE) |

## 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        | C9115AXE              | Cisco Systems, Inc. | V09           | 17.10 RC25.2101                 | 8.8.1.10      | F0C22511RC6   |
| S02        | Catalyst 3850 48 PoE+ | Cisco Systems, Inc. | T0            | 1.18                            | 03.03.05SE    | FCW1931C1U7   |
| S03        | C9115AXE              | Cisco Systems, Inc. | V09           | 17.10 RC25.2101                 | 8.8.1.10      | F0C22511R8B   |
| S04        | Catalyst 3850 48 PoE+ | Cisco Systems, Inc. | M0            | 1.2<br>(cat3k_caa-universal k9) | 03.03.03SE    | FOC18218BFL   |

### 4.2 System Details

| System # | Description                            | Samples                   |
|----------|----------------------------------------|---------------------------|
| 1        | EUT and Power Supply (Conducted Tests) | (S01 & S02)   (S03 & S04) |

### 4.3 Mode of Operation Details

| Mode# | Description             | Comments                                    |
|-------|-------------------------|---------------------------------------------|
| 1     | 802.11a, OFDM           | Receive and Transmit (1, 2, 3, or 4 chains) |
| 2     | Duplicate mode NonHT40  | Receive and Transmit (1, 2, 3, or 4 chains) |
| 3     | Duplicate mode NonHT80  | Receive and Transmit (1, 2, 3, or 4 chains) |
| 4     | Duplicate mode NonHT160 | Receive and Transmit (1, 2, 3, or 4 chains) |
| 5     | 802.11n20, OFDM         | Receive and Transmit (1, 2, 3, or 4 chains) |
| 6     | 802.11n40, OFDM         | Receive and Transmit (1, 2, 3, or 4 chains) |
| 7     | 802.11ac20, OFDM        | Receive and Transmit (1, 2, 3, or 4 chains) |
| 8     | 802.11ac40, OFDM        | Receive and Transmit (1, 2, 3, or 4 chains) |
| 9     | 802.11ac80, OFDM        | Receive and Transmit (1, 2, 3, or 4 chains) |
| 10    | 802.11ac160, OFDM       | Receive and Transmit (1, 2, 3, or 4 chains) |
| 11    | 802.11ax20, OFDMA       | Receive and Transmit (1, 2, 3, or 4 chains) |
| 12    | 802.11ax40, OFDMA       | Receive and Transmit (1, 2, 3, or 4 chains) |
| 13    | 802.11ax80, OFDMA       | Receive and Transmit (1, 2, 3, or 4 chains) |
| 14    | 802.11ax160, OFDMA      | Receive and Transmit (1, 2, 3, or 4 chains) |

## Section 5: Radio Port Results

### 5.1 Duty Cycle

#### 5.1.1 Duty Cycle Test Requirement

From KDB 789033 D02 General UNII Test Procedures New Rules v01r02

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.

### 5.1.2 Duty Cycle Test Method

From KDB 789033 D02 General UNII Test Procedures New Rules v01r02:

#### 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.)

### 5.1.3 Duty Cycle Test Information

**Samples, Systems, and Modes**

| System Number | Description | Samples | System under test                   | Support equipment                   |
|---------------|-------------|---------|-------------------------------------|-------------------------------------|
| 1             | EUT         | S01     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|               | Support     | S02     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Tested By:<br>Julian Land | Date of testing:<br>March 14, 2019 – April 29, 2019 |
| Test Result: Pass         |                                                     |

**Test Equipment**

See Appendix A for list of test equipment

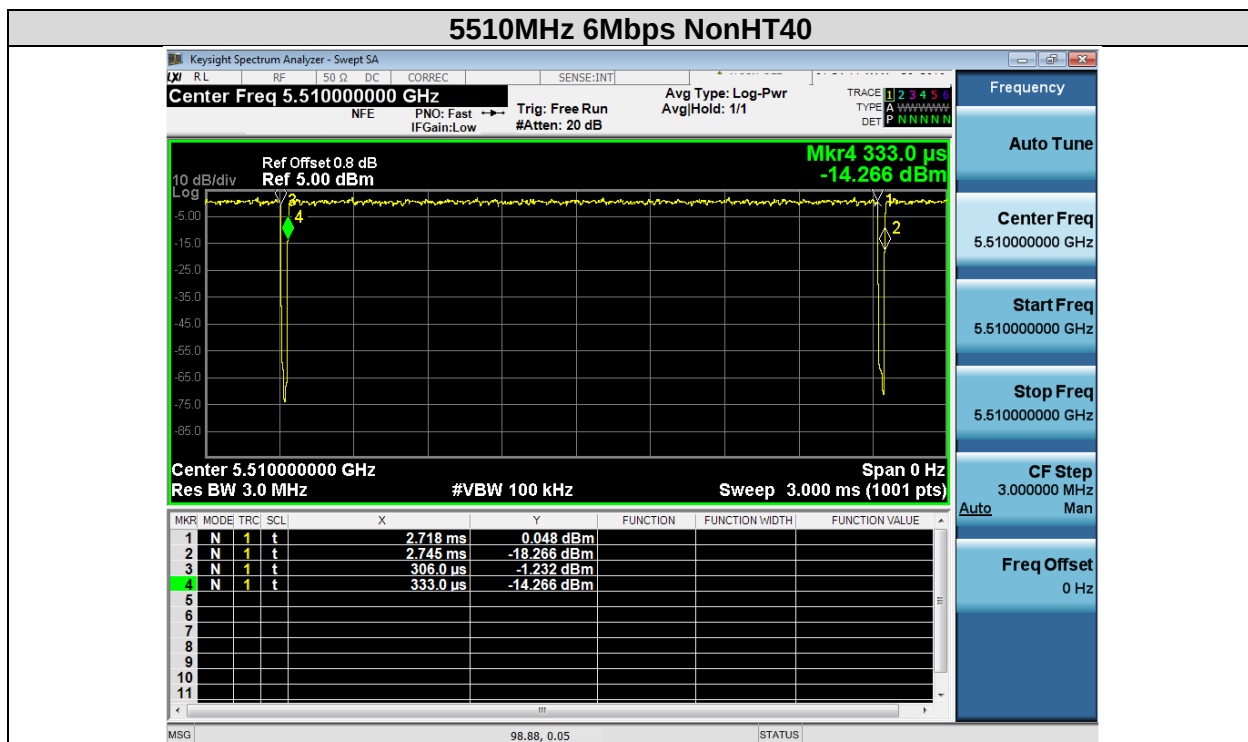
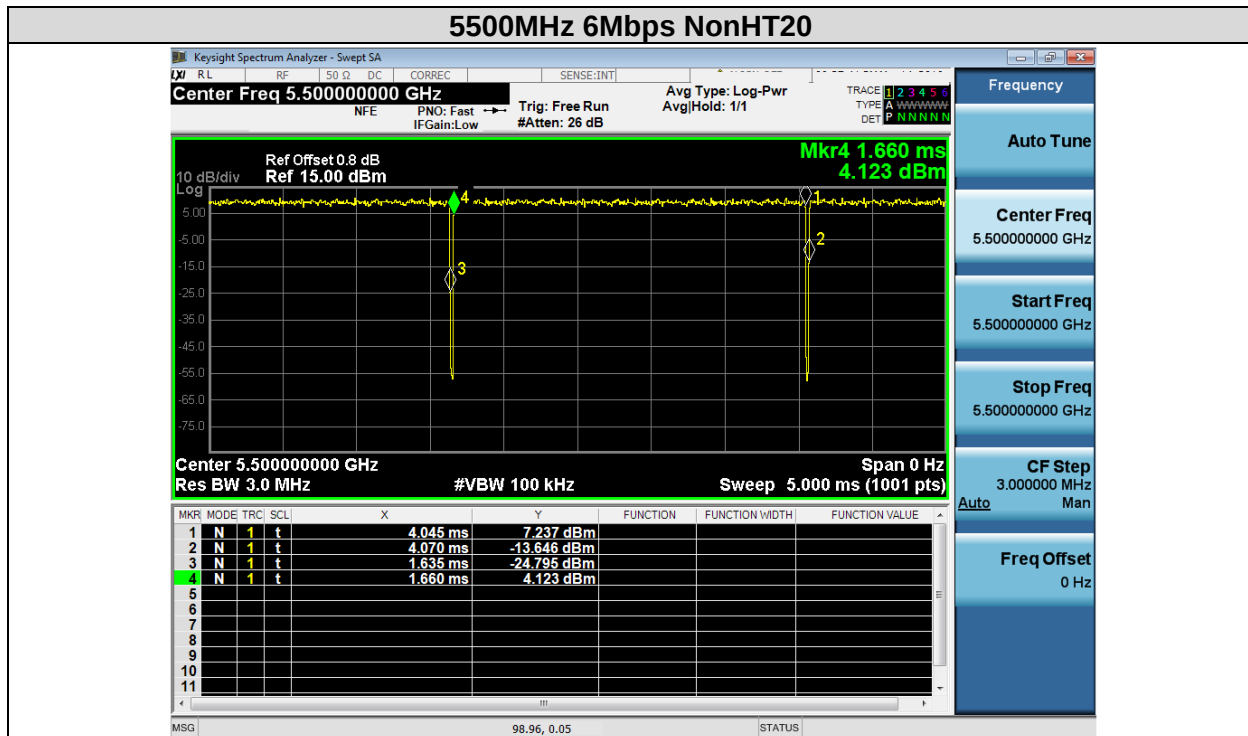
### 5.1.4 Duty Cycle Data Table

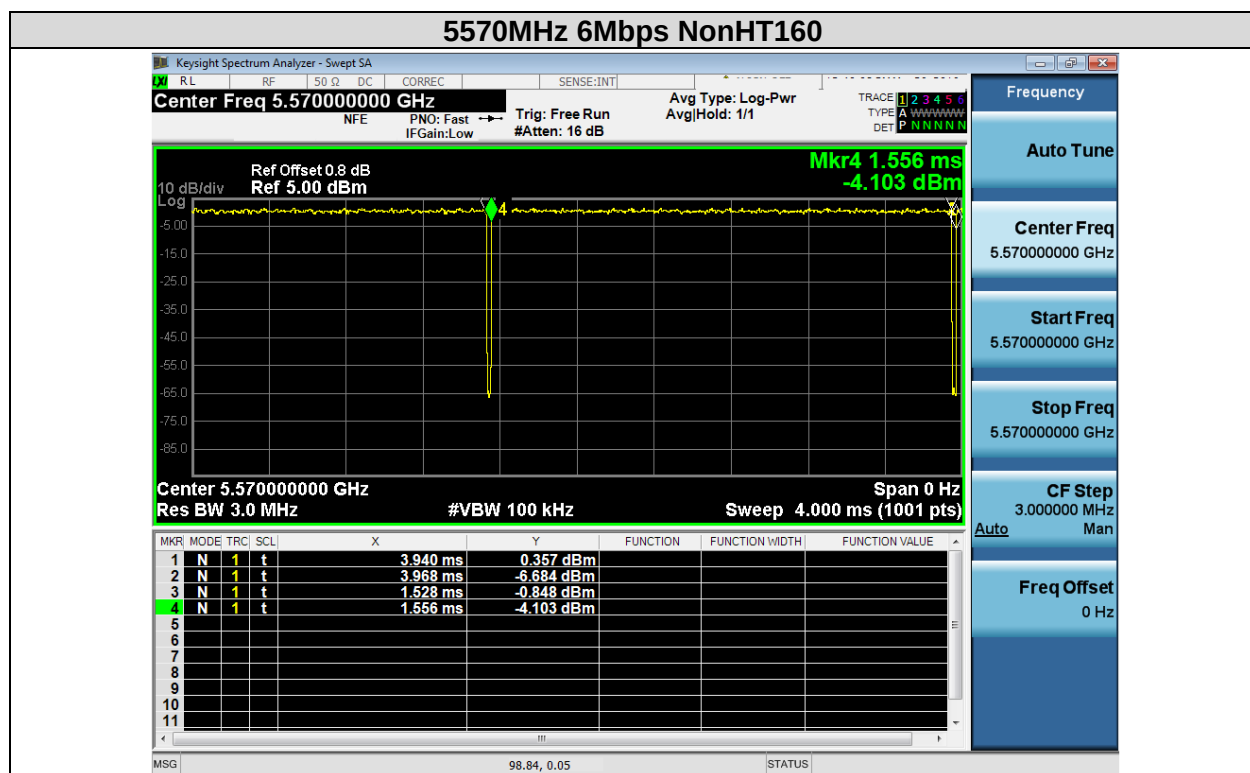
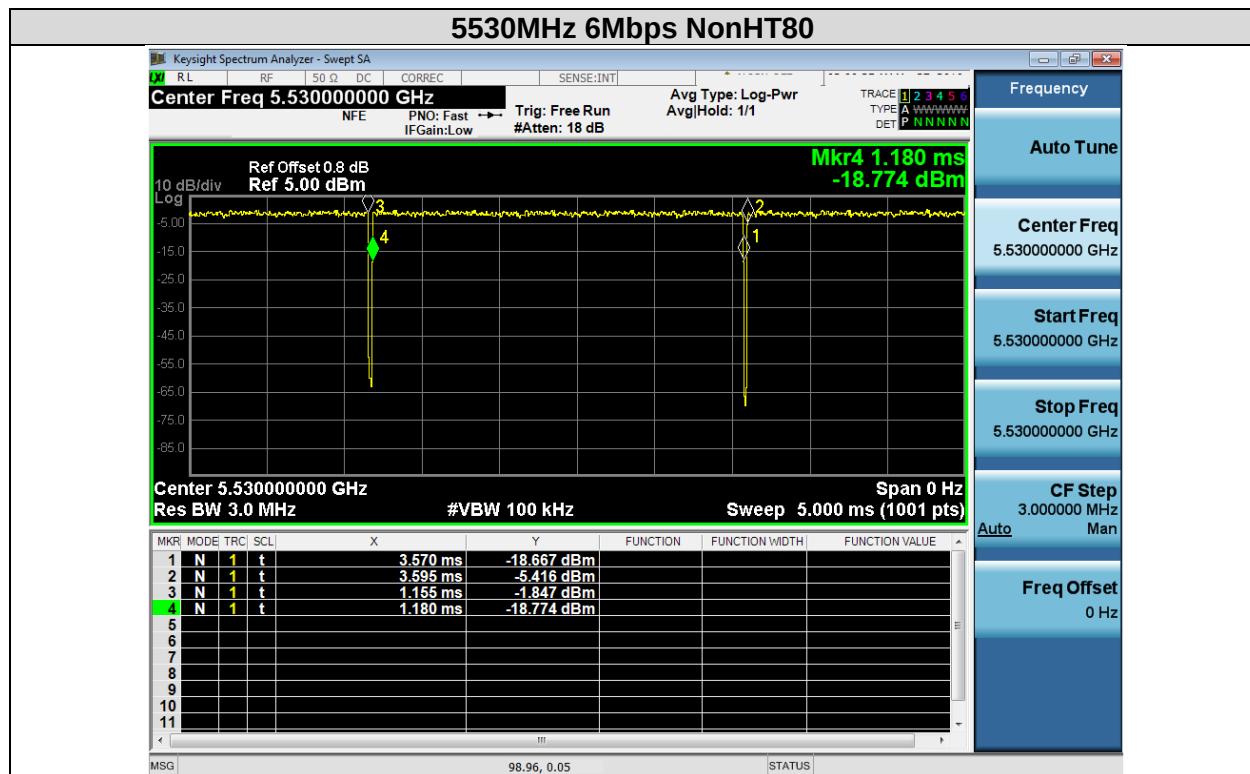
Duty Cycle table and screen captures are shown below for power/psd modes.

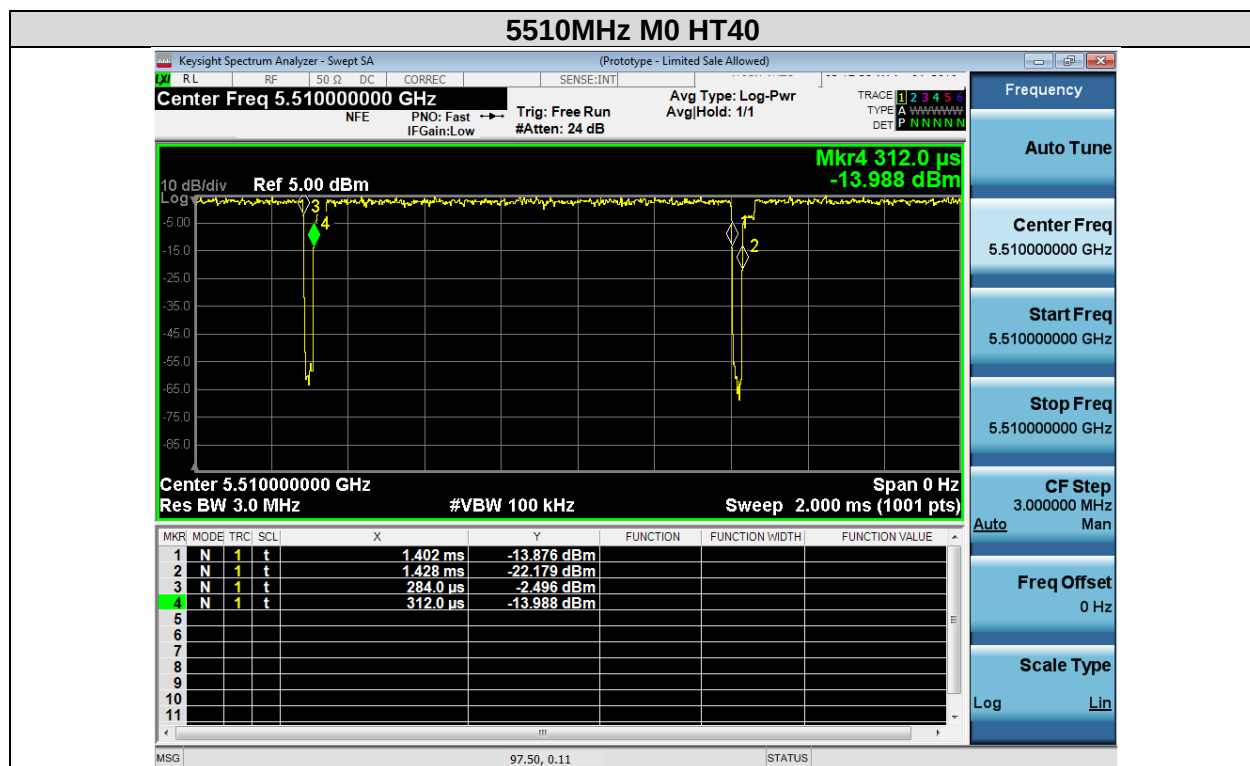
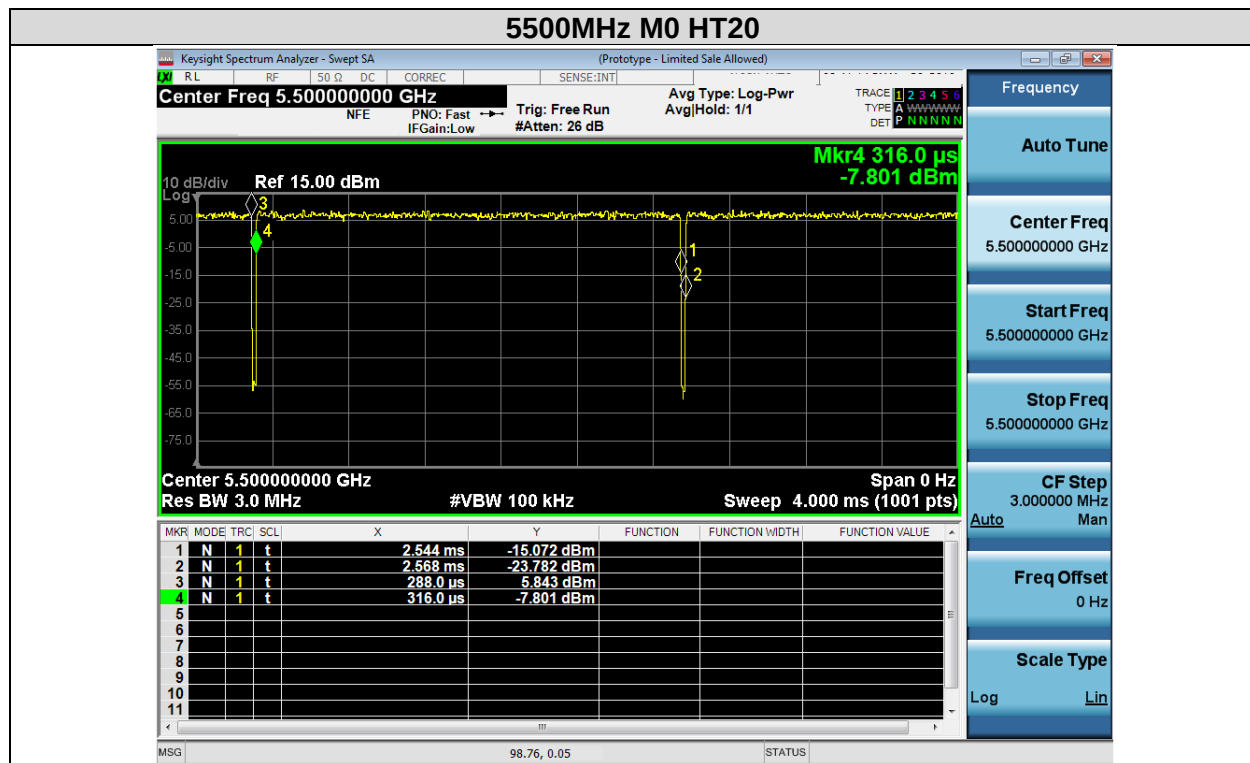
| Mode       | Data Rate    | On-time (ms) | Total Time (ms) | Duty Cycle (%) | Correction Factor (dB) |
|------------|--------------|--------------|-----------------|----------------|------------------------|
| NonHT20    | 6 to 54Mbps  | 2.385        | 2.410           | 98.963         | 0.05                   |
| NonHT40    | 6 to 54Mbps  | 2.385        | 2.412           | 98.881         | 0.05                   |
| NonHT80    | 6 to 54Mbps  | 2.390        | 2.415           | 98.965         | 0.05                   |
| NonHT160   | 6 to 54Mbps  | 2.384        | 2.412           | 98.839         | 0.05                   |
| HT20/VHT20 | M0 to M31    | 2.228        | 2.256           | 98.759         | 0.05                   |
| HT40/VHT40 | M0 to M31    | 1.090        | 1.118           | 97.496         | 0.11                   |
| VHT80      | M0.1 to M9.4 | 0.530        | 0.557           | 95.153         | 0.22                   |
| VHT160     | M0.1 to M9.4 | 0.286        | 0.313           | 91.374         | 0.39                   |
| HE20       | M0.1 to M9.4 | 1.713        | 1.740           | 98.448         | 0.07                   |
| HE40       | M0.1 to M9.4 | 0.888        | 0.914           | 97.155         | 0.13                   |
| HE80       | M0.1 to M9.4 | 0.456        | 0.483           | 94.410         | 0.25                   |
| HE160      | M0.1 to M9.4 | 0.258        | 0.284           | 90.845         | 0.42                   |

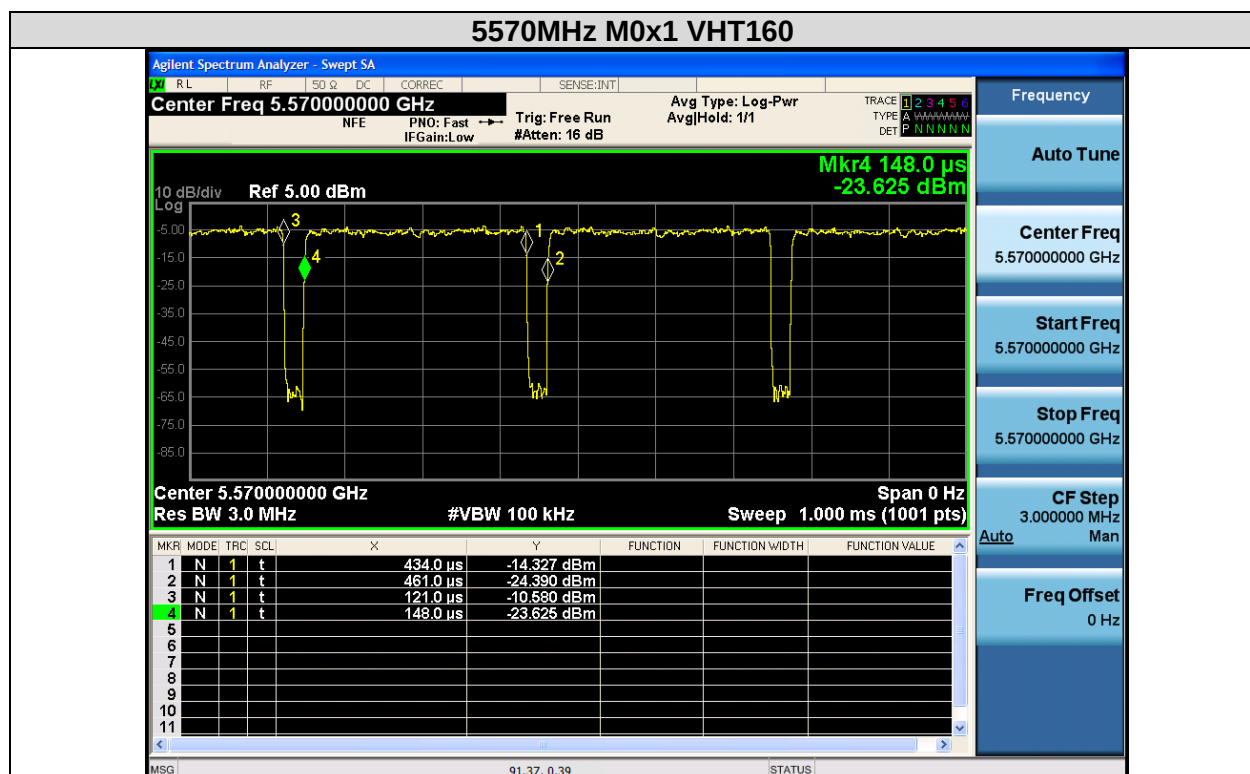
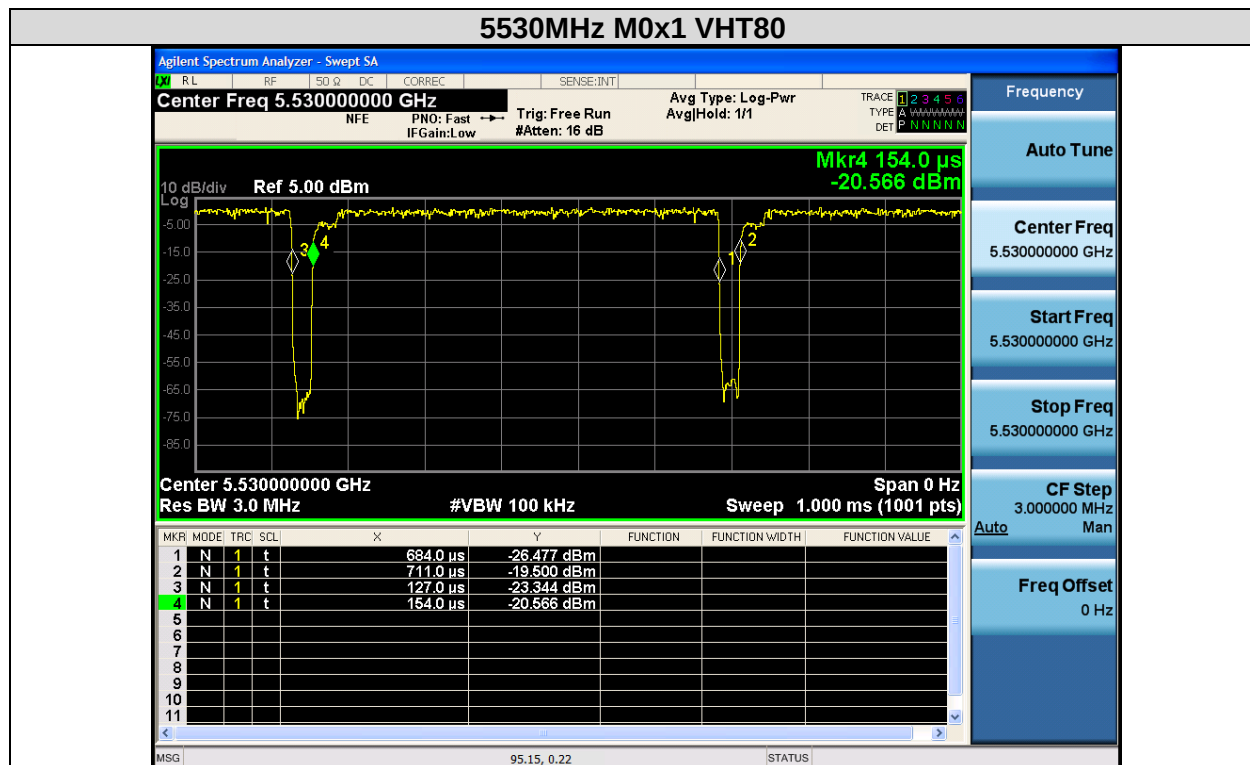


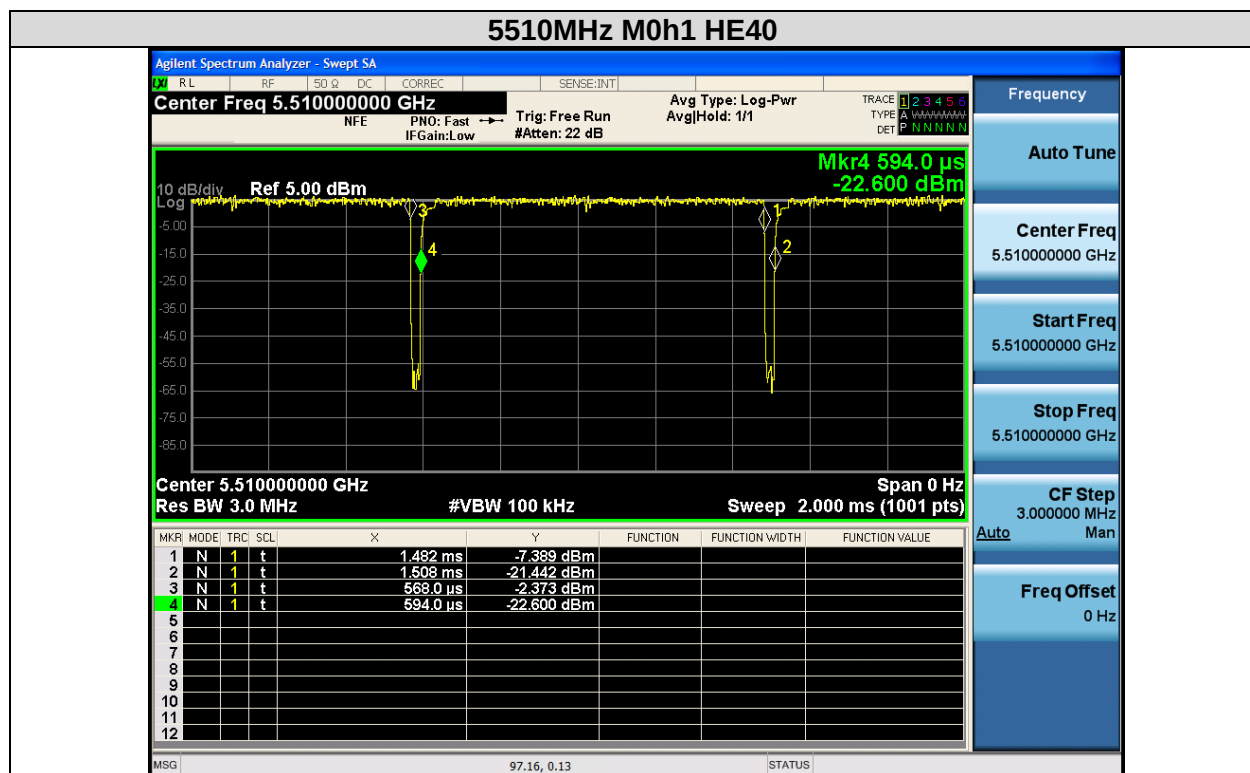
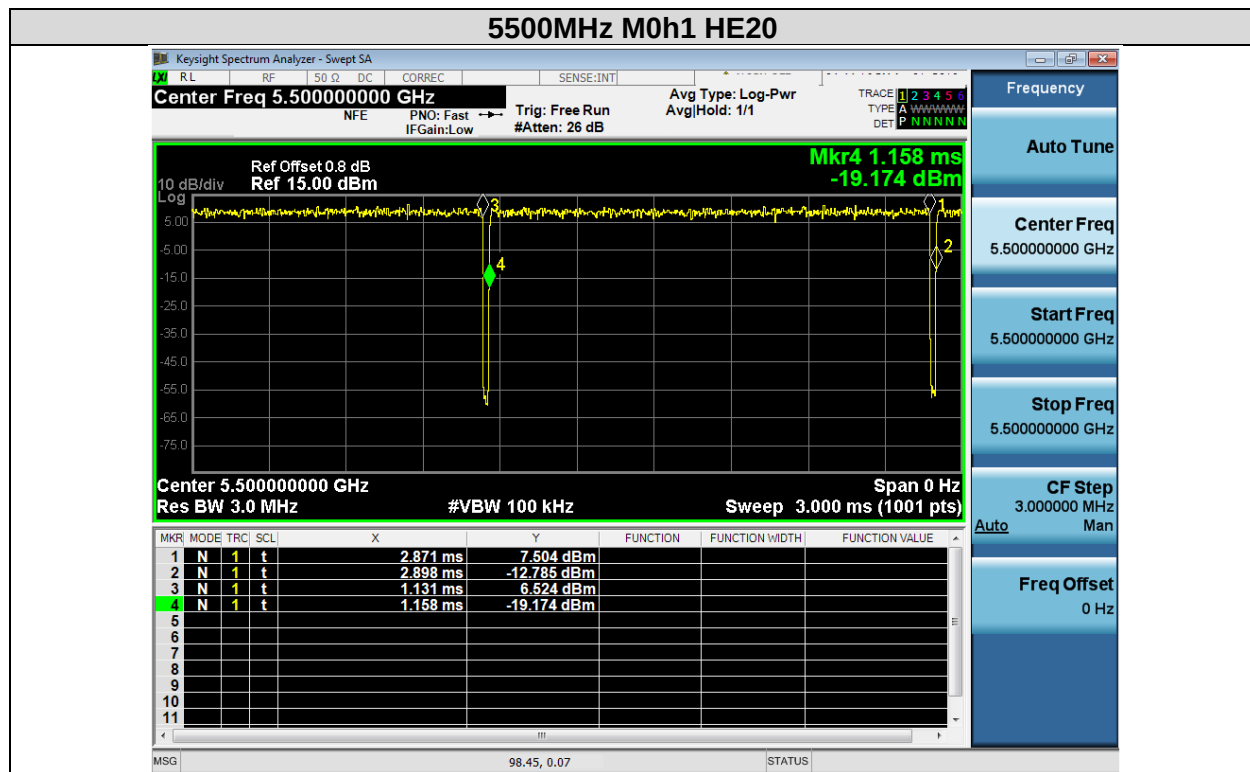
### 5.1.5 Duty Cycle Data Screenshots

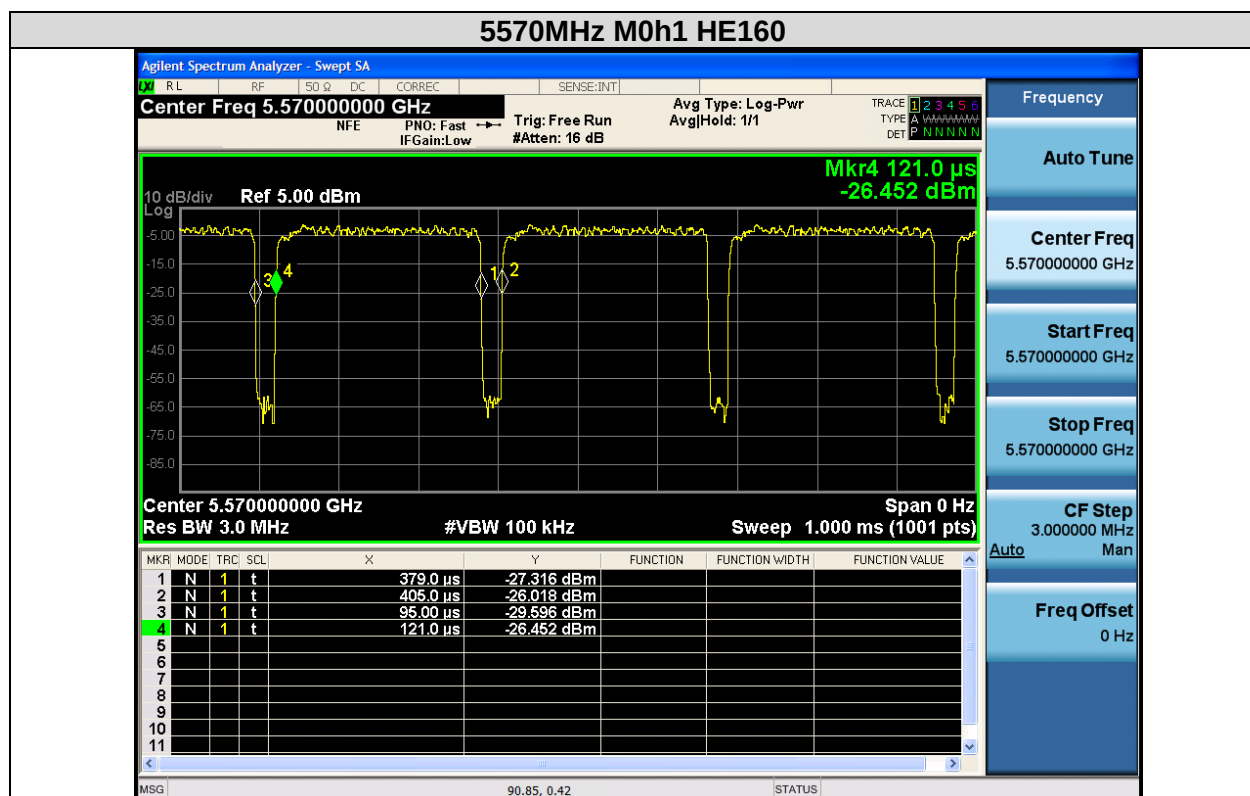
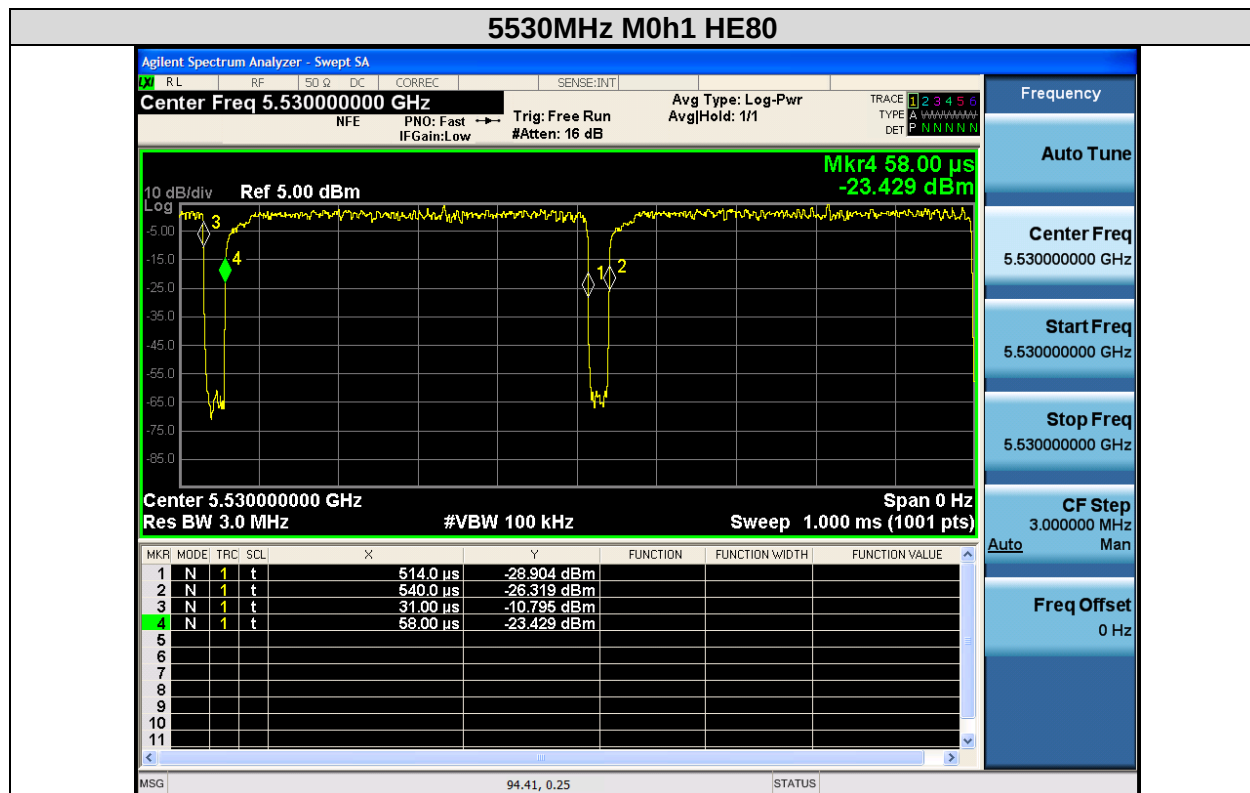












## 5.2 99% and 26dB Bandwidth

### 5.2.1 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.

## 5.2.2 99% and 26dB Bandwidth Test Procedure

Ref. KDB 789033 Section D. 99 Percent Occupied Bandwidth

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>99% BW</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Test Parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <ol style="list-style-type: none"> <li>1. Set center frequency to the nominal EUT channel center frequency.</li> <li>2. Set span = 1.5 times to 5.0 times the OBW.</li> <li>3. Set RBW = 1 % to 5 % of the OBW</li> <li>4. Set VBW <math>\geq 3 \cdot</math> RBW</li> <li>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.</li> <li>6. Use the 99 % power bandwidth function of the instrument (if available).</li> </ol> |

Ref KDB 789033 in Section C. Measurement Bandwidth, Section 1

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>26 BW</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Test parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>X dB BW = -26dB (using the OBW function of the spectrum analyzer)</p> <p>Emission Bandwidth (EBW)</p> <ol style="list-style-type: none"> <li>a) Set RBW = approximately 1% of the emission bandwidth.</li> <li>b) Set the VBW &gt; RBW.</li> <li>c) Detector = Peak.</li> <li>d) Trace mode = max hold.</li> <li>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%.</li> </ol> |

## 5.2.3 99% Bandwidth Test Information



**Samples, Systems, and Modes**

| System Number | Description | Samples | System under test                   | Support equipment                   |
|---------------|-------------|---------|-------------------------------------|-------------------------------------|
| 1             | EUT         | S03     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|               | Support     | S04     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Tested By:<br>Julian Land | Date of testing:<br>March 14, 2019 – April 8, 2019 |
| Test Result: PASS         |                                                    |

**Test Equipment**

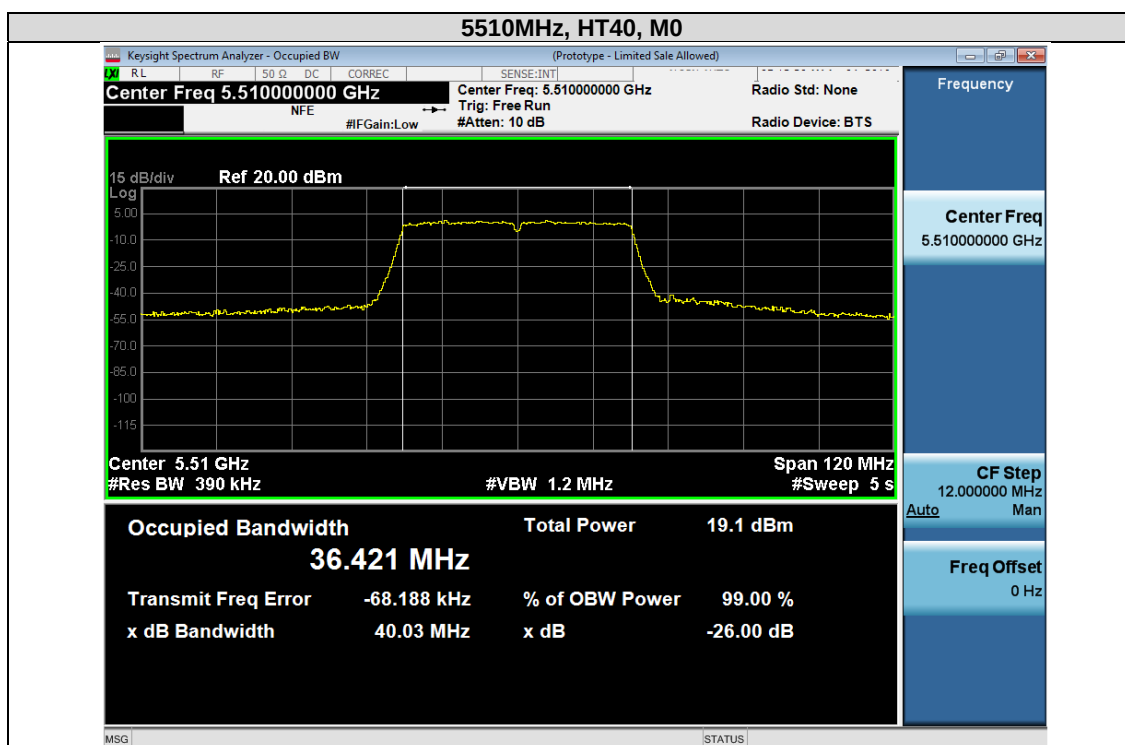
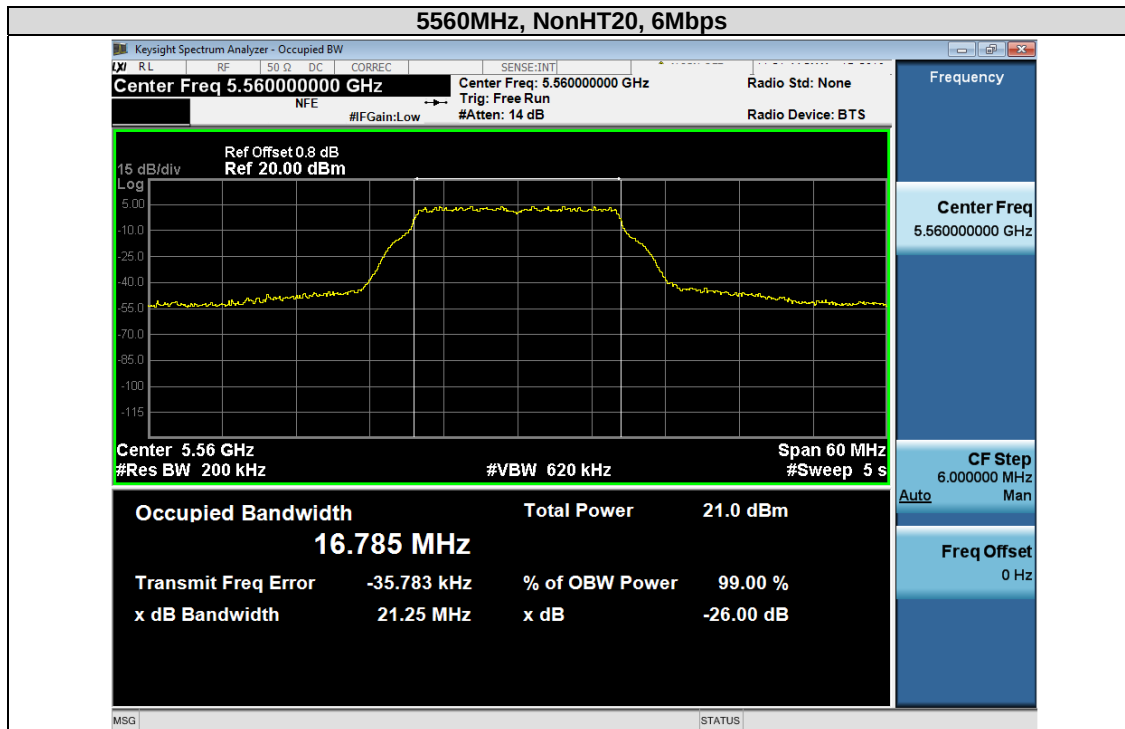
See Appendix A for list of test equipment

**5.2.4 99% and 26dB Bandwidth Data Table**

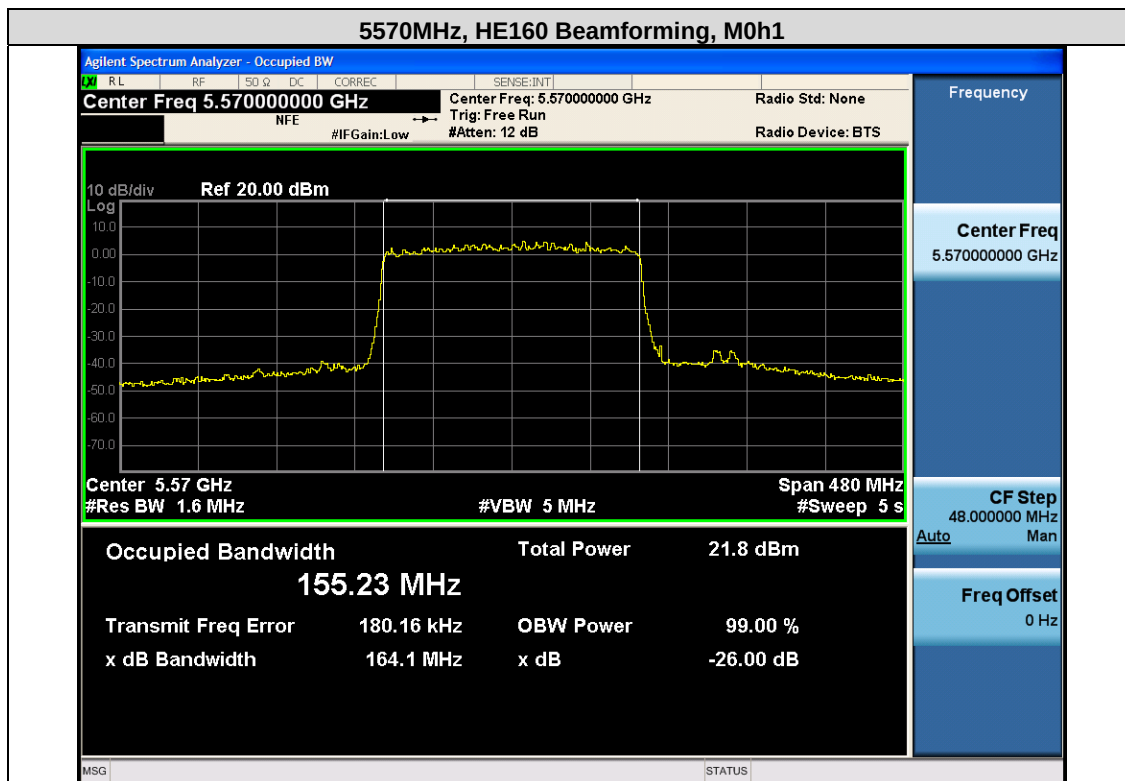
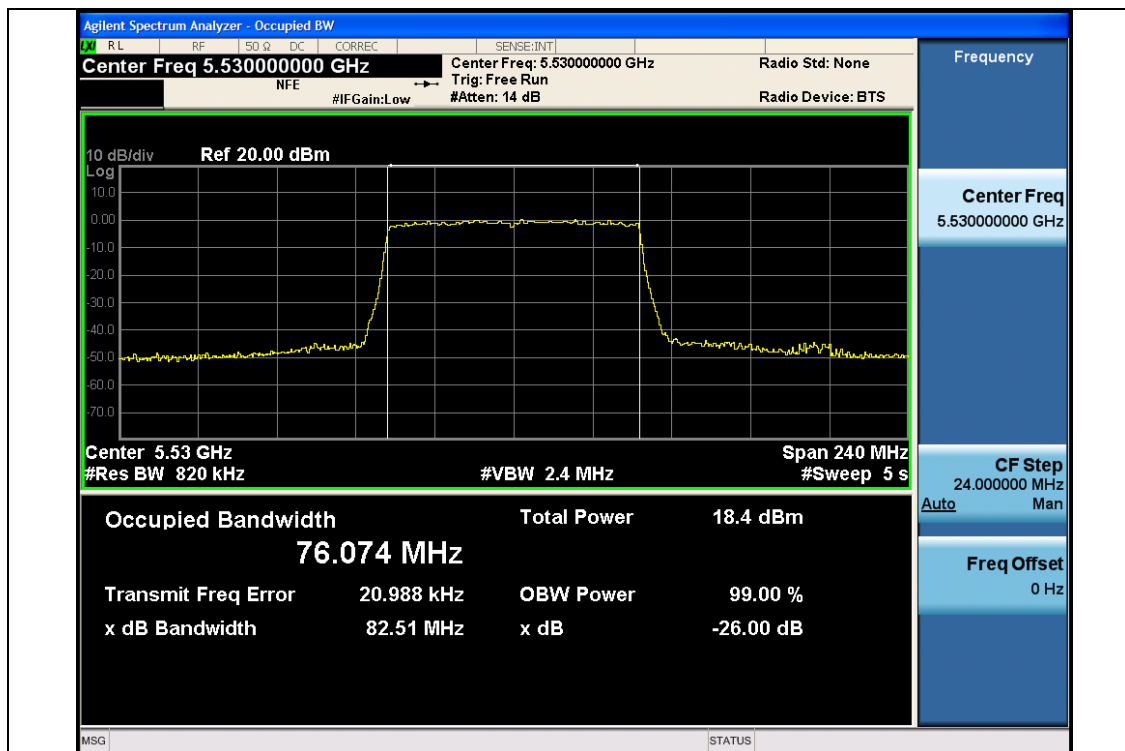
| Frequency (MHz) | Mode                             | Data Rate (Mbps) | 26dB BW (MHz) | 99% BW (MHz) |
|-----------------|----------------------------------|------------------|---------------|--------------|
| 5500            | Non HT20, 6 to 54 Mbps           | 6                | 21.2          | 16.787       |
|                 | HT/VHT20, M0 to M31              | m0               | 21.8          | 18.043       |
|                 | HE20, M0 to M9, M0 to M9 1-2ss   | m0h1             | 21.4          | 19.112       |
| 5510            | Non HT40, 6 to 54 Mbps           | 6                | 39.6          | 36.347       |
|                 | HT/VHT40, M0 to M31              | m0               | 40            | 36.421       |
|                 | HE40, M0 to M9, M0 to M9 1-2ss   | m0h1             | 40            | 37.598       |
| 5530            | Non HT80, 6 to 54 Mbps           | 6                | 82.1          | 76.243       |
|                 | VHT80, M0 to M9, M0 to M9 1-2ss  | m0x1             | 82.5          | 76.074       |
|                 | HE80, M0 to M9, M0 to M9 1-2ss   | m0h1             | 82.2          | 77.106       |
| 5550            | Non HT40, 6 to 54 Mbps           | 6                | 39.7          | 36.345       |
|                 | HT/VHT40, M0 to M31              | m0               | 40.1          | 36.433       |
|                 | HE40, M0 to M9, M0 to M9 1-2ss   | m0h1             | 40            | 37.599       |
| 5560            | Non HT20, 6 to 54 Mbps           | 6                | 21.2          | 16.785       |
|                 | HT/VHT20, M0 to M31              | m0               | 21.8          | 18.043       |
|                 | HE20, M0 to M9, M0 to M9 1-2ss   | m0h1             | 21.4          | 19.102       |
| 5570            | Non HT160, 6 to 54 Mbps          | 6                | 164           | 154.31       |
|                 | VHT160, M0 to M9, M0 to M9 1-2ss | m0x1             | 165.5         | 154.795      |
|                 | HE160, M0 to M9, M0 to M9 1-2ss  | m0h1             | 164.1         | 155.23       |
| 5610            | Non HT80, 6 to 54 Mbps           | 6                | 82            | 76.196       |
|                 | VHT80, M0 to M9, M0 to M9 1-2ss  | m0x1             | 82.5          | 76.077       |
|                 | HE80, M0 to M9, M0 to M9 1-2ss   | m0h1             | 82.1          | 77.09        |
| 5690            | Non HT80, 6 to 54 Mbps           | 6                | 82.2          | 76.269       |
|                 | VHT80, M0 to M9, M0 to M9 1-2ss  | m0x1             | 82.5          | 76.09        |
|                 | HE80, M0 to M9, M0 to M9 1-2ss   | m0h1             | 82            | 77.102       |
| 5700            | Non HT20, 6 to 54 Mbps           | 6                | 21.2          | 16.78        |
|                 | HT/VHT20, M0 to M31              | m0               | 21.8          | 18.037       |
|                 | HE20, M0 to M9, M0 to M9 1-2ss   | m0h1             | 21.4          | 19.105       |
| 5710            | Non HT40, 6 to 54 Mbps           | 6                | 39.7          | 36.343       |
|                 | HT/VHT40, M0 to M31              | m0               | 40.1          | 36.444       |

|             |                                |          |             |               |
|-------------|--------------------------------|----------|-------------|---------------|
|             | HE40, M0 to M9, M0 to M9 1-2ss | m0h1     | 39.9        | 37.592        |
|             |                                |          |             |               |
| <b>5720</b> | <b>Non HT20, 6 to 54 Mbps</b>  | <b>6</b> | <b>15.6</b> | <b>13.531</b> |
|             | HT/VHT20, M0 to M31            | m0       | 15.9        | 14.138        |
|             | HE20, M0 to M9, M0 to M9 1-2ss | m0h1     | 15.8        | 14.599        |

### 5.2.5 99% and 26dB Bandwidth Plots



**5530MHz, VHT80 Beamforming, M0x1**



## 5.3 Maximum Conducted Output Power

### 5.3.1 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 250mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6dBi 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 6dBi.

### 5.3.2 Maximum Conducted Output Power Test Procedure

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v01r02  
ANSI C63.10: 2013

| <b>Maximum Conducted Output Power</b><br>Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Set the radio in the continuous transmitting mode at full power</li> <li>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.</li> <li>3. Capture graphs and record pertinent measurement data.</li> </ol> |

Ref. KDB 789033 D02 General UNII Test Procedures New Rules v01r02

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

| <b>Maximum Conducted Output Power</b><br>Test parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).</p> <ol style="list-style-type: none"> <li>(i) Measure the duty cycle, <math>x</math>, of the transmitter output signal as described in section II.B.</li> <li>(ii) Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.</li> <li>(iii) Set RBW = 1MHz.</li> <li>(iv) Set VBW <math>\geq</math> 3MHz.</li> <li>(v) Number of points in sweep <math>\geq</math> 2 Span / RBW. (This ensures that bin-to-bin spacing is <math>\leq</math> RBW/2, so that narrowband signals are not lost between frequency bins.)</li> <li>(vi) Sweep time = auto.</li> <li>(vii) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.</li> <li>(viii) Do not use sweep triggering. Allow the sweep to "free run".</li> <li>(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.</li> <li>(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)</li> </ol> |

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

### 5.3.3 Maximum Conducted Output Power Test Information

#### Samples, Systems, and Modes

| System Number | Description | Samples | System under test                   | Support equipment                   |
|---------------|-------------|---------|-------------------------------------|-------------------------------------|
| 1             | EUT         | S01     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|               | Support     | S02     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Tested By:<br>Julian Land | Date of testing:<br>March 14, 2019 – April 8, 2019 |
| Test Result: PASS         |                                                    |

#### Test Equipment

See Appendix A for list of test equipment



### 5.3.4 Maximum Conducted Output Power Data Table

| Frequency (MHz) | Mode                                | Tx Paths | Index Power (dBm) | Correlated Antenna Gain (dBi) | Duty Cycle (%) | Tx 1 Max Power (dBm) | Tx 2 Max Power (dBm) | Tx 3 Max Power (dBm) | Tx 4 Max Power (dBm) | Total Tx Channel Power (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------------------|----------|-------------------|-------------------------------|----------------|----------------------|----------------------|----------------------|----------------------|------------------------------|-------------|-------------|
| 5500            | Non HT20, 6 to 54 Mbps              | 1        | 16                | 6                             | 98.96          | 16.1                 |                      |                      |                      | 16.2                         | 24.0        | 7.9         |
|                 | Non HT20, 6 to 54 Mbps              | 2        | 15                | 6                             | 98.96          | 14.9                 | 15.2                 |                      |                      | 18.1                         | 24.0        | 5.9         |
|                 | Non HT20, 6 to 54 Mbps              | 3        | 12                | 6                             | 98.96          | 11.7                 | 12.1                 | 11.4                 |                      | 16.6                         | 24.0        | 7.4         |
|                 | Non HT20, 6 to 54 Mbps              | 4        | 9                 | 6                             | 98.96          | 9.0                  | 9.1                  | 8.9                  | 9.2                  | 15.1                         | 24.0        | 8.9         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 2        | 13                | 9                             | 98.96          | 12.8                 | 13.1                 |                      |                      | 16.0                         | 21.0        | 5.0         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 3        | 10                | 11                            | 98.96          | 9.7                  | 10.0                 | 9.6                  |                      | 14.6                         | 19.0        | 4.4         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 4        | 7                 | 12                            | 98.96          | 6.7                  | 7.4                  | 6.9                  | 7.1                  | 13.1                         | 18.0        | 4.9         |
|                 | HT/VHT20, M0 to M7                  | 1        | 16                | 6                             | 98.76          | 15.1                 |                      |                      |                      | 15.2                         | 24.0        | 8.9         |
|                 | HT/VHT20, M0 to M7                  | 2        | 16                | 6                             | 98.76          | 15.1                 | 14.9                 |                      |                      | 18.1                         | 24.0        | 5.9         |
|                 | HT/VHT20, M8 to M15                 | 2        | 16                | 6                             | 98.76          | 15.1                 | 14.9                 |                      |                      | 18.1                         | 24.0        | 5.9         |
|                 | HT/VHT20, M0 to M7                  | 3        | 12                | 6                             | 98.76          | 11.1                 | 10.8                 | 10.8                 |                      | 15.7                         | 24.0        | 8.3         |
|                 | HT/VHT20, M8 to M15                 | 3        | 15                | 6                             | 98.76          | 14.4                 | 13.8                 | 13.8                 |                      | 18.8                         | 24.0        | 5.2         |
|                 | HT/VHT20, M16 to M23                | 3        | 15                | 6                             | 98.76          | 14.4                 | 13.8                 | 13.8                 |                      | 18.8                         | 24.0        | 5.2         |
|                 | HT/VHT20, M0 to M7                  | 4        | 10                | 6                             | 98.76          | 9.2                  | 8.6                  | 8.8                  | 9.0                  | 15.0                         | 24.0        | 9.0         |
|                 | HT/VHT20, M8 to M15                 | 4        | 13                | 6                             | 98.76          | 12.0                 | 11.9                 | 12.0                 | 12.3                 | 18.1                         | 24.0        | 5.9         |
|                 | HT/VHT20, M16 to M23                | 4        | 14                | 6                             | 98.76          | 13.4                 | 13.0                 | 12.8                 | 13.2                 | 19.2                         | 24.0        | 4.8         |
|                 | HT/VHT20, M24 to M31                | 4        | 14                | 6                             | 98.76          | 13.4                 | 13.0                 | 12.8                 | 13.2                 | 19.2                         | 24.0        | 4.8         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 2        | 13                | 9                             | 98.76          | 12.0                 | 11.9                 |                      |                      | 15.0                         | 21.0        | 6.0         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 2        | 16                | 6                             | 98.76          | 15.1                 | 14.9                 |                      |                      | 18.1                         | 24.0        | 5.9         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 3        | 10                | 11                            | 98.76          | 9.2                  | 8.6                  | 8.8                  |                      | 13.7                         | 19.0        | 5.3         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 3        | 13                | 8                             | 98.76          | 12.0                 | 11.9                 | 12.0                 |                      | 16.8                         | 22.0        | 5.2         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 3        | 15                | 6                             | 98.76          | 14.4                 | 13.8                 | 13.8                 |                      | 18.8                         | 24.0        | 5.2         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 4        | 7                 | 12                            | 98.76          | 6.9                  | 4.2                  | 5.9                  | 6.4                  | 12.0                         | 18.0        | 6.0         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 4        | 10                | 9                             | 98.76          | 9.2                  | 8.6                  | 8.8                  | 9.0                  | 15.0                         | 21.0        | 6.0         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 4        | 12                | 7                             | 98.76          | 11.1                 | 10.8                 | 10.8                 | 11.3                 | 17.1                         | 23.0        | 5.9         |
|                 | HT/VHT20 Beam Forming, M24 to M31   | 4        | 14                | 6                             | 98.76          | 13.4                 | 13.0                 | 12.8                 | 13.2                 | 19.2                         | 24.0        | 4.8         |

|      |                                 |   |    |    |       |      |      |      |      |      |      |      |
|------|---------------------------------|---|----|----|-------|------|------|------|------|------|------|------|
|      | HT/VHT20 STBC, M0 to M7         | 2 | 16 | 6  | 98.76 | 15.1 | 14.9 |      |      | 18.1 | 24.0 | 5.9  |
|      | HT/VHT20 STBC, M0 to M7         | 3 | 15 | 6  | 98.76 | 14.4 | 13.8 | 13.8 |      | 18.8 | 24.0 | 5.2  |
|      | HT/VHT20 STBC, M0 to M7         | 4 | 13 | 6  | 98.76 | 12.0 | 11.9 | 12.0 | 12.3 | 18.1 | 24.0 | 5.9  |
|      | HE20, M0 to M9 1ss              | 1 | 16 | 6  | 98.45 | 16.2 |      |      |      | 16.3 | 24.0 | 7.7  |
|      | HE20, M0 to M9 1ss              | 2 | 15 | 6  | 98.45 | 15.2 | 15.6 |      |      | 18.5 | 24.0 | 5.5  |
|      | HE20, M0 to M9 2ss              | 2 | 15 | 6  | 98.45 | 15.2 | 15.6 |      |      | 18.5 | 24.0 | 5.5  |
|      | HE20, M0 to M9 1ss              | 3 | 12 | 6  | 98.45 | 12.0 | 12.6 | 11.9 |      | 17.0 | 24.0 | 7.0  |
|      | HE20, M0 to M9 2ss              | 3 | 15 | 6  | 98.45 | 15.2 | 15.6 | 14.6 |      | 20.0 | 24.0 | 4.0  |
|      | HE20, M0 to M9 3ss              | 3 | 15 | 6  | 98.45 | 15.2 | 15.6 | 14.6 |      | 20.0 | 24.0 | 4.0  |
|      | HE20, M0 to M9 1ss              | 4 | 9  | 6  | 98.45 | 9.7  | 10.6 | 10.1 | 9.2  | 16.0 | 24.0 | 8.0  |
|      | HE20, M0 to M9 2ss              | 4 | 13 | 6  | 98.45 | 13.1 | 13.5 | 12.7 | 13.4 | 19.3 | 24.0 | 4.7  |
|      | HE20, M0 to M9 3ss              | 4 | 14 | 6  | 98.45 | 14.3 | 14.5 | 13.6 | 14.3 | 20.3 | 24.0 | 3.7  |
|      | HE20, M0 to M9 4ss              | 4 | 14 | 6  | 98.45 | 14.3 | 14.5 | 13.6 | 14.3 | 20.3 | 24.0 | 3.7  |
|      | HE20 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | 98.45 | 13.1 | 13.5 |      |      | 16.4 | 21.0 | 4.6  |
|      | HE20 Beam Forming, M0 to M9 2ss | 2 | 15 | 6  | 98.45 | 15.2 | 15.6 |      |      | 18.5 | 24.0 | 5.5  |
|      | HE20 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | 98.45 | 10.0 | 10.4 | 10.1 |      | 15.0 | 19.0 | 4.0  |
|      | HE20 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | 98.45 | 13.1 | 13.5 | 12.7 |      | 18.0 | 22.0 | 4.0  |
|      | HE20 Beam Forming, M0 to M9 3ss | 3 | 15 | 6  | 98.45 | 15.2 | 15.6 | 14.6 |      | 20.0 | 24.0 | 4.0  |
|      | HE20 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | 98.45 | 7.3  | 8.6  | 8.1  | 7.1  | 13.9 | 18.0 | 4.1  |
|      | HE20 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | 98.45 | 10.0 | 10.4 | 10.1 | 10.4 | 16.3 | 21.0 | 4.7  |
|      | HE20 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | 98.45 | 12.0 | 12.6 | 11.9 | 12.4 | 18.3 | 23.0 | 4.7  |
|      | HE20 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | 98.45 | 14.3 | 14.5 | 13.6 | 14.3 | 20.3 | 24.0 | 3.7  |
|      | HE20 STBC, M0 to M9 2ss         | 2 | 15 | 6  | 98.45 | 15.2 | 15.6 |      |      | 18.5 | 24.0 | 5.5  |
|      | HE20 STBC, M0 to M9 2ss         | 3 | 15 | 6  | 98.45 | 15.2 | 15.6 | 14.6 |      | 20.0 | 24.0 | 4.0  |
|      | HE20 STBC, M0 to M9 2ss         | 4 | 13 | 6  | 98.45 | 13.1 | 13.5 | 12.7 | 13.4 | 19.3 | 24.0 | 4.7  |
|      |                                 |   |    |    |       |      |      |      |      |      |      |      |
| 5510 | Non HT40, 6 to 54 Mbps          | 1 | 13 | 6  | 98.88 | 12.2 |      |      |      | 12.3 | 24.0 | 11.8 |
|      | Non HT40, 6 to 54 Mbps          | 2 | 13 | 6  | 98.88 | 12.2 | 13.1 |      |      | 15.7 | 24.0 | 8.3  |
|      | Non HT40, 6 to 54 Mbps          | 3 | 13 | 6  | 98.88 | 12.2 | 13.1 | 12.3 |      | 17.4 | 24.0 | 6.6  |
|      | Non HT40, 6 to 54 Mbps          | 4 | 12 | 6  | 98.88 | 11.4 | 12.0 | 11.4 | 12.1 | 17.8 | 24.0 | 6.2  |
|      | HT/VHT40, M0 to M7              | 1 | 15 | 6  | 97.50 | 14.2 |      |      |      | 14.3 | 24.0 | 9.7  |
|      | HT/VHT40, M0 to M7              | 2 | 14 | 6  | 97.50 | 13.1 | 13.3 |      |      | 16.3 | 24.0 | 7.7  |
|      | HT/VHT40, M8 to M15             | 2 | 14 | 6  | 97.50 | 13.1 | 13.3 |      |      | 16.3 | 24.0 | 7.7  |
|      | HT/VHT40, M0 to M7              | 3 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 |      | 17.9 | 24.0 | 6.1  |
|      | HT/VHT40, M8 to M15             | 3 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 |      | 17.9 | 24.0 | 6.1  |
|      | HT/VHT40, M16 to M23            | 3 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 |      | 17.9 | 24.0 | 6.1  |
|      | HT/VHT40, M0 to M7              | 4 | 13 | 6  | 97.50 | 12.2 | 12.2 | 11.8 | 12.3 | 18.3 | 24.0 | 5.7  |
|      | HT/VHT40, M8 to M15             | 4 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 | 13.2 | 19.2 | 24.0 | 4.8  |
|      | HT/VHT40, M16 to M23            | 4 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 | 13.2 | 19.2 | 24.0 | 4.8  |
|      | HT/VHT40, M24 to M31            | 4 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 | 13.2 | 19.2 | 24.0 | 4.8  |
|      | HT/VHT40 Beam Forming, M0 to M7 | 2 | 13 | 9  | 97.50 | 12.2 | 12.2 |      |      | 15.3 | 21.0 | 5.7  |

|      |                                   |   |    |    |       |      |      |      |      |      |      |      |
|------|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|------|
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 14 | 6  | 97.50 | 13.1 | 13.3 |      |      | 16.3 | 24.0 | 7.7  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 10 | 11 | 97.50 | 9.2  | 9.2  | 9.1  |      | 14.0 | 19.0 | 5.0  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 13 | 8  | 97.50 | 12.2 | 12.2 | 11.8 |      | 17.0 | 22.0 | 5.0  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 |      | 17.9 | 24.0 | 6.1  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 7  | 12 | 97.50 | 7.0  | 6.0  | 5.5  | 7.1  | 12.6 | 18.0 | 5.4  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 10 | 9  | 97.50 | 9.2  | 9.2  | 9.1  | 9.3  | 15.3 | 21.0 | 5.7  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 12 | 7  | 97.50 | 11.1 | 11.2 | 10.9 | 11.3 | 17.3 | 23.0 | 5.7  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 | 13.2 | 19.2 | 24.0 | 4.8  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 14 | 6  | 97.50 | 13.1 | 13.3 |      |      | 16.3 | 24.0 | 7.7  |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 |      | 17.9 | 24.0 | 6.1  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 14 | 6  | 97.50 | 13.1 | 13.3 | 12.7 | 13.2 | 19.2 | 24.0 | 4.8  |
|      | HE40, M0 to M9 1ss                | 1 | 12 | 6  | 97.16 | 10.8 |      |      |      | 10.9 | 24.0 | 13.1 |
|      | HE40, M0 to M9 1ss                | 2 | 12 | 6  | 97.16 | 10.8 | 11.4 |      |      | 14.3 | 24.0 | 9.7  |
|      | HE40, M0 to M9 2ss                | 2 | 12 | 6  | 97.16 | 10.8 | 11.4 |      |      | 14.3 | 24.0 | 9.7  |
|      | HE40, M0 to M9 1ss                | 3 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 |      | 16.0 | 24.0 | 8.0  |
|      | HE40, M0 to M9 2ss                | 3 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 |      | 16.0 | 24.0 | 8.0  |
|      | HE40, M0 to M9 3ss                | 3 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 |      | 16.0 | 24.0 | 8.0  |
|      | HE40, M0 to M9 1ss                | 4 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 24.0 | 6.7  |
|      | HE40, M0 to M9 2ss                | 4 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 24.0 | 6.7  |
|      | HE40, M0 to M9 3ss                | 4 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 24.0 | 6.7  |
|      | HE40, M0 to M9 4ss                | 4 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 24.0 | 6.7  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 12 | 9  | 97.16 | 10.8 | 11.4 |      |      | 14.3 | 21.0 | 6.7  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 12 | 6  | 97.16 | 10.8 | 11.4 |      |      | 14.3 | 24.0 | 9.7  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | 97.16 | 8.3  | 9.7  | 9.5  |      | 14.1 | 19.0 | 4.9  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 12 | 8  | 97.16 | 10.8 | 11.4 | 11.0 |      | 16.0 | 22.0 | 6.0  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 |      | 16.0 | 24.0 | 8.0  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | 97.16 | 4.9  | 6.9  | 7.4  | 5.9  | 12.5 | 18.0 | 5.5  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | 97.16 | 8.3  | 9.7  | 9.5  | 9.8  | 15.5 | 21.0 | 5.5  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 23.0 | 5.7  |
|      | HE40 Beam Forming, M0 to M9 4ss   | 4 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 24.0 | 6.7  |
|      | HE40 STBC, M0 to M9 2ss           | 2 | 12 | 6  | 97.16 | 10.8 | 11.4 |      |      | 14.3 | 24.0 | 9.7  |
|      | HE40 STBC, M0 to M9 2ss           | 3 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 |      | 16.0 | 24.0 | 8.0  |
|      | HE40 STBC, M0 to M9 2ss           | 4 | 12 | 6  | 97.16 | 10.8 | 11.4 | 11.0 | 11.5 | 17.3 | 24.0 | 6.7  |
|      |                                   |   |    |    |       |      |      |      |      |      |      |      |
| 5530 | Non HT80, 6 to 54 Mbps            | 1 | 13 | 6  | 98.97 | 12.2 |      |      |      | 12.3 | 24.0 | 11.8 |
|      | Non HT80, 6 to 54 Mbps            | 2 | 13 | 6  | 98.97 | 12.2 | 12.8 |      |      | 15.6 | 24.0 | 8.4  |
|      | Non HT80, 6 to 54 Mbps            | 3 | 13 | 6  | 98.97 | 12.2 | 12.8 | 12.7 |      | 17.4 | 24.0 | 6.6  |
|      | Non HT80, 6 to 54 Mbps            | 4 | 12 | 6  | 98.97 | 11.1 | 11.7 | 11.7 | 12.0 | 17.7 | 24.0 | 6.3  |
|      | VHT80, M0 to M9 1ss               | 1 | 14 | 6  | 95.15 | 12.8 |      |      |      | 13.0 | 24.0 | 11.0 |
|      | VHT80, M0 to M9 1ss               | 2 | 13 | 6  | 95.15 | 11.9 | 11.9 |      |      | 15.1 | 24.0 | 8.9  |
|      | VHT80, M0 to M9 2ss               | 2 | 13 | 6  | 95.15 | 11.9 | 11.9 |      |      | 15.1 | 24.0 | 8.9  |

|                                  |   |    |    |       |      |      |      |      |      |      |     |
|----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
| VHT80, M0 to M9 1ss              | 3 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 |      | 16.8 | 24.0 | 7.2 |
| VHT80, M0 to M9 2ss              | 3 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 |      | 16.8 | 24.0 | 7.2 |
| VHT80, M0 to M9 3ss              | 3 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 |      | 16.8 | 24.0 | 7.2 |
| VHT80, M0 to M9 1ss              | 4 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 | 11.8 | 18.0 | 24.0 | 6.0 |
| VHT80, M0 to M9 2ss              | 4 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 | 11.8 | 18.0 | 24.0 | 6.0 |
| VHT80, M0 to M9 3ss              | 4 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 | 11.8 | 18.0 | 24.0 | 6.0 |
| VHT80, M0 to M9 4ss              | 4 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 | 11.8 | 18.0 | 24.0 | 6.0 |
| VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | 95.15 | 11.9 | 11.9 |      |      | 15.1 | 21.0 | 5.9 |
| VHT80 Beam Forming, M0 to M9 2ss | 2 | 13 | 6  | 95.15 | 11.9 | 11.9 |      |      | 15.1 | 24.0 | 8.9 |
| VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | 95.15 | 9.1  | 9.1  | 8.9  |      | 14.0 | 19.0 | 5.0 |
| VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | 95.15 | 11.9 | 11.9 | 11.6 |      | 16.8 | 22.0 | 5.2 |
| VHT80 Beam Forming, M0 to M9 3ss | 3 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 |      | 16.8 | 24.0 | 7.2 |
| VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | 95.15 | 5.8  | 5.9  | 5.6  | 5.8  | 12.0 | 18.0 | 6.0 |
| VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | 95.15 | 9.1  | 9.1  | 8.9  | 8.9  | 15.2 | 21.0 | 5.8 |
| VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | 95.15 | 11.0 | 11.0 | 10.6 | 10.9 | 17.1 | 23.0 | 5.9 |
| VHT80 Beam Forming, M0 to M9 4ss | 4 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 | 11.8 | 18.0 | 24.0 | 6.0 |
| VHT80 STBC, M0 to M9 1ss         | 2 | 13 | 6  | 95.15 | 11.9 | 11.9 |      |      | 15.1 | 24.0 | 8.9 |
| VHT80 STBC, M0 to M9 1ss         | 3 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 |      | 16.8 | 24.0 | 7.2 |
| VHT80 STBC, M0 to M9 1ss         | 4 | 13 | 6  | 95.15 | 11.9 | 11.9 | 11.6 | 11.8 | 18.0 | 24.0 | 6.0 |
| HE80, M0 to M9 1ss               | 1 | 15 | 6  | 94.41 | 14.4 |      |      |      | 14.7 | 24.0 | 9.4 |
| HE80, M0 to M9 1ss               | 2 | 14 | 6  | 94.41 | 13.1 | 13.1 |      |      | 16.4 | 24.0 | 7.6 |
| HE80, M0 to M9 2ss               | 2 | 14 | 6  | 94.41 | 13.1 | 13.1 |      |      | 16.4 | 24.0 | 7.6 |
| HE80, M0 to M9 1ss               | 3 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 |      | 18.0 | 24.0 | 6.0 |
| HE80, M0 to M9 2ss               | 3 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 |      | 18.0 | 24.0 | 6.0 |
| HE80, M0 to M9 3ss               | 3 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 |      | 18.0 | 24.0 | 6.0 |
| HE80, M0 to M9 1ss               | 4 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 | 12.7 | 19.2 | 24.0 | 4.8 |
| HE80, M0 to M9 2ss               | 4 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 | 12.7 | 19.2 | 24.0 | 4.8 |
| HE80, M0 to M9 3ss               | 4 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 | 12.7 | 19.2 | 24.0 | 4.8 |
| HE80, M0 to M9 4ss               | 4 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 | 12.7 | 19.2 | 24.0 | 4.8 |
| HE80 Beam Forming, M0 to M9 1ss  | 2 | 12 | 9  | 94.41 | 11.4 | 11.2 |      |      | 14.6 | 21.0 | 6.4 |
| HE80 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | 94.41 | 13.1 | 13.1 |      |      | 16.4 | 24.0 | 7.6 |
| HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | 94.41 | 8.9  | 9.3  | 9.0  |      | 14.1 | 19.0 | 4.9 |
| HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | 94.41 | 12.4 | 12.2 | 12.0 |      | 17.2 | 22.0 | 4.8 |
| HE80 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 |      | 18.0 | 24.0 | 6.0 |
| HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | 94.41 | 6.0  | 6.1  | 5.7  | 5.5  | 12.1 | 18.0 | 5.9 |
| HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | 94.41 | 8.9  | 9.3  | 9.0  | 8.9  | 15.3 | 21.0 | 5.7 |
| HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | 94.41 | 11.4 | 11.2 | 11.0 | 10.7 | 17.4 | 23.0 | 5.6 |
| HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 | 12.7 | 19.2 | 24.0 | 4.8 |
| HE80 STBC, M0 to M9 1ss          | 2 | 14 | 6  | 94.41 | 13.1 | 13.1 |      |      | 16.4 | 24.0 | 7.6 |
| HE80 STBC, M0 to M9 1ss          | 3 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 |      | 18.0 | 24.0 | 6.0 |
| HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | 94.41 | 13.1 | 13.1 | 12.7 | 12.7 | 19.2 | 24.0 | 4.8 |

|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
|------|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
| 5550 | Non HT40, 6 to 54 Mbps            | 1 | 17 | 6  | 98.88 | 16.4 |      |      |      | 16.5 | 24.0 | 7.6 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 17 | 6  | 98.88 | 16.4 | 17.2 |      |      | 19.9 | 24.0 | 4.1 |
|      | Non HT40, 6 to 54 Mbps            | 3 | 15 | 6  | 98.88 | 14.1 | 14.9 | 14.1 |      | 19.2 | 24.0 | 4.8 |
|      | Non HT40, 6 to 54 Mbps            | 4 | 13 | 6  | 98.88 | 11.8 | 13.1 | 12.3 | 12.8 | 18.6 | 24.0 | 5.4 |
|      | HT/VHT40, M0 to M7                | 1 | 17 | 6  | 97.50 | 16.2 |      |      |      | 16.3 | 24.0 | 7.7 |
|      | HT/VHT40, M0 to M7                | 2 | 17 | 6  | 97.50 | 16.2 | 16.7 |      |      | 19.6 | 24.0 | 4.4 |
|      | HT/VHT40, M8 to M15               | 2 | 17 | 6  | 97.50 | 16.2 | 16.7 |      |      | 19.6 | 24.0 | 4.4 |
|      | HT/VHT40, M0 to M7                | 3 | 16 | 6  | 97.50 | 15.2 | 15.4 | 14.8 |      | 20.0 | 24.0 | 4.0 |
|      | HT/VHT40, M8 to M15               | 3 | 16 | 6  | 97.50 | 15.2 | 15.4 | 14.8 |      | 20.0 | 24.0 | 4.0 |
|      | HT/VHT40, M16 to M23              | 3 | 16 | 6  | 97.50 | 15.2 | 15.4 | 14.8 |      | 20.0 | 24.0 | 4.0 |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 6  | 97.50 | 12.1 | 12.7 | 12.1 | 12.5 | 18.5 | 24.0 | 5.5 |
|      | HT/VHT40, M8 to M15               | 4 | 15 | 6  | 97.50 | 14.3 | 14.7 | 13.9 | 14.4 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40, M16 to M23              | 4 | 15 | 6  | 97.50 | 14.3 | 14.7 | 13.9 | 14.4 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40, M24 to M31              | 4 | 15 | 6  | 97.50 | 14.3 | 14.7 | 13.9 | 14.4 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | 97.50 | 13.4 | 13.3 |      |      | 16.5 | 21.0 | 4.5 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | 97.50 | 16.2 | 16.7 |      |      | 19.6 | 24.0 | 4.4 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | 97.50 | 10.5 | 10.5 | 10.3 |      | 15.3 | 19.0 | 3.7 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | 97.50 | 13.4 | 13.3 | 13.2 |      | 18.2 | 22.0 | 3.8 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | 97.50 | 15.2 | 15.4 | 14.8 |      | 20.0 | 24.0 | 4.0 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | 97.50 | 7.2  | 7.4  | 8.0  | 6.9  | 13.5 | 18.0 | 4.5 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | 97.50 | 10.5 | 10.5 | 10.3 | 10.5 | 16.6 | 21.0 | 4.4 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | 97.50 | 12.1 | 12.7 | 12.1 | 12.5 | 18.5 | 23.0 | 4.5 |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | 97.50 | 14.3 | 14.7 | 13.9 | 14.4 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | 97.50 | 16.2 | 16.7 |      |      | 19.6 | 24.0 | 4.4 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 16 | 6  | 97.50 | 15.2 | 15.4 | 14.8 |      | 20.0 | 24.0 | 4.0 |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 15 | 6  | 97.50 | 14.3 | 14.7 | 13.9 | 14.4 | 20.5 | 24.0 | 3.5 |
|      | HE40, M0 to M9 1ss                | 1 | 17 | 6  | 97.16 | 15.8 |      |      |      | 15.9 | 24.0 | 8.1 |
|      | HE40, M0 to M9 1ss                | 2 | 17 | 6  | 97.16 | 15.8 | 16.7 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40, M0 to M9 2ss                | 2 | 17 | 6  | 97.16 | 15.8 | 16.7 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40, M0 to M9 1ss                | 3 | 16 | 6  | 97.16 | 14.5 | 15.5 | 14.5 |      | 19.8 | 24.0 | 4.2 |
|      | HE40, M0 to M9 2ss                | 3 | 16 | 6  | 97.16 | 14.5 | 15.5 | 14.5 |      | 19.8 | 24.0 | 4.2 |
|      | HE40, M0 to M9 3ss                | 3 | 16 | 6  | 97.16 | 14.5 | 15.5 | 14.5 |      | 19.8 | 24.0 | 4.2 |
|      | HE40, M0 to M9 1ss                | 4 | 14 | 6  | 97.16 | 12.3 | 13.3 | 12.8 | 13.3 | 19.1 | 24.0 | 4.9 |
|      | HE40, M0 to M9 2ss                | 4 | 15 | 6  | 97.16 | 13.2 | 14.6 | 13.8 | 14.1 | 20.1 | 24.0 | 3.9 |
|      | HE40, M0 to M9 3ss                | 4 | 15 | 6  | 97.16 | 13.2 | 14.6 | 13.8 | 14.1 | 20.1 | 24.0 | 3.9 |
|      | HE40, M0 to M9 4ss                | 4 | 15 | 6  | 97.16 | 13.2 | 14.6 | 13.8 | 14.1 | 20.1 | 24.0 | 3.9 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | 97.16 | 12.3 | 13.3 |      |      | 16.0 | 21.0 | 5.0 |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 17 | 6  | 97.16 | 15.8 | 16.7 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | 97.16 | 9.5  | 10.6 | 10.3 |      | 15.1 | 19.0 | 3.9 |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | 97.16 | 12.3 | 13.3 | 12.8 |      | 17.7 | 22.0 | 4.3 |

|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
|------|-------------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | HE40 Beam Forming, M0 to M9 3ss     | 3 | 16 | 6  | 97.16 | 14.5 | 15.5 | 14.5 |      | 19.8 | 24.0 | 4.2 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 4 | 8  | 12 | 97.16 | 5.9  | 6.4  | 6.9  | 7.8  | 13.0 | 18.0 | 5.0 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | 97.16 | 9.5  | 10.6 | 10.3 | 10.4 | 16.4 | 21.0 | 4.6 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | 97.16 | 11.3 | 12.7 | 12.1 | 12.5 | 18.3 | 23.0 | 4.7 |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | 97.16 | 13.2 | 14.6 | 13.8 | 14.1 | 20.1 | 24.0 | 3.9 |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | 97.16 | 15.8 | 16.7 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 6  | 97.16 | 14.5 | 15.5 | 14.5 |      | 19.8 | 24.0 | 4.2 |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 6  | 97.16 | 13.2 | 14.6 | 13.8 | 14.1 | 20.1 | 24.0 | 3.9 |
|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
| 5560 | Non HT20, 6 to 54 Mbps              | 1 | 17 | 6  | 98.96 | 16.9 |      |      |      | 17.0 | 24.0 | 7.1 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 6  | 98.96 | 14.5 | 15.1 |      |      | 17.9 | 24.0 | 6.1 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | 98.96 | 11.4 | 12.2 | 11.5 |      | 16.5 | 24.0 | 7.5 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | 98.96 | 9.1  | 9.9  | 9.7  | 9.6  | 15.7 | 24.0 | 8.3 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | 98.96 | 13.4 | 14.2 |      |      | 16.9 | 21.0 | 4.1 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | 98.96 | 10.4 | 11.0 | 10.5 |      | 15.5 | 19.0 | 3.5 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | 98.96 | 7.5  | 8.4  | 7.3  | 8.0  | 13.9 | 18.0 | 4.1 |
|      | HT/VHT20, M0 to M7                  | 1 | 17 | 6  | 98.76 | 16.3 |      |      |      | 16.4 | 24.0 | 7.7 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 6  | 98.76 | 15.4 | 15.0 |      |      | 18.3 | 24.0 | 5.7 |
|      | HT/VHT20, M8 to M15                 | 2 | 17 | 6  | 98.76 | 16.3 | 16.1 |      |      | 19.3 | 24.0 | 4.7 |
|      | HT/VHT20, M0 to M7                  | 3 | 13 | 6  | 98.76 | 12.1 | 11.9 | 12.3 |      | 16.9 | 24.0 | 7.1 |
|      | HT/VHT20, M8 to M15                 | 3 | 16 | 6  | 98.76 | 15.4 | 15.0 | 14.9 |      | 19.9 | 24.0 | 4.1 |
|      | HT/VHT20, M16 to M23                | 3 | 16 | 6  | 98.76 | 15.4 | 15.0 | 14.9 |      | 19.9 | 24.0 | 4.1 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | 98.76 | 9.7  | 9.0  | 9.7  | 9.4  | 15.5 | 24.0 | 8.5 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | 98.76 | 12.1 | 11.9 | 12.3 | 12.4 | 18.2 | 24.0 | 5.8 |
|      | HT/VHT20, M16 to M23                | 4 | 15 | 6  | 98.76 | 14.3 | 14.0 | 14.2 | 14.3 | 20.3 | 24.0 | 3.7 |
|      | HT/VHT20, M24 to M31                | 4 | 15 | 6  | 98.76 | 14.3 | 14.0 | 14.2 | 14.3 | 20.3 | 24.0 | 3.7 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | 98.76 | 12.9 | 13.1 |      |      | 16.1 | 21.0 | 4.9 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 17 | 6  | 98.76 | 16.3 | 16.1 |      |      | 19.3 | 24.0 | 4.7 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | 98.76 | 10.1 | 10.1 | 10.5 |      | 15.1 | 19.0 | 3.9 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | 98.76 | 12.9 | 13.1 | 13.1 |      | 17.9 | 22.0 | 4.1 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 16 | 6  | 98.76 | 15.4 | 15.0 | 14.9 |      | 19.9 | 24.0 | 4.1 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | 98.76 | 8.0  | 6.0  | 8.2  | 7.1  | 13.5 | 18.0 | 4.5 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | 98.76 | 10.1 | 10.1 | 10.5 | 10.5 | 16.4 | 21.0 | 4.6 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | 98.76 | 12.1 | 11.9 | 12.3 | 12.4 | 18.2 | 23.0 | 4.8 |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 15 | 6  | 98.76 | 14.3 | 14.0 | 14.2 | 14.3 | 20.3 | 24.0 | 3.7 |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 17 | 6  | 98.76 | 16.3 | 16.1 |      |      | 19.3 | 24.0 | 4.7 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 16 | 6  | 98.76 | 15.4 | 15.0 | 14.9 |      | 19.9 | 24.0 | 4.1 |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 6  | 98.76 | 12.1 | 11.9 | 12.3 | 12.4 | 18.2 | 24.0 | 5.8 |
|      | HE20, M0 to M9 1ss                  | 1 | 17 | 6  | 98.45 | 17.1 |      |      |      | 17.2 | 24.0 | 6.8 |
|      | HE20, M0 to M9 1ss                  | 2 | 16 | 6  | 98.45 | 15.9 | 16.6 |      |      | 19.3 | 24.0 | 4.7 |
|      | HE20, M0 to M9 2ss                  | 2 | 17 | 6  | 98.45 | 17.1 | 17.5 |      |      | 20.4 | 24.0 | 3.6 |

|      |                                   |          |           |          |              |             |             |             |             |             |             |            |
|------|-----------------------------------|----------|-----------|----------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
|      | HE20, M0 to M9 1ss                | 3        | 12        | 6        | 98.45        | 11.8        | 12.6        | 11.9        |             | 17.0        | 24.0        | 7.0        |
|      | HE20, M0 to M9 2ss                | 3        | 15        | 6        | 98.45        | 14.8        | 15.5        | 14.4        |             | 19.8        | 24.0        | 4.2        |
|      | HE20, M0 to M9 3ss                | 3        | 16        | 6        | 98.45        | 15.9        | 16.6        | 15.3        |             | 20.8        | 24.0        | 3.2        |
|      | HE20, M0 to M9 1ss                | 4        | 10        | 6        | 98.45        | 9.6         | 10.4        | 10.1        | 10.2        | 16.2        | 24.0        | 7.8        |
|      | HE20, M0 to M9 2ss                | 4        | 13        | 6        | 98.45        | 12.8        | 13.5        | 12.7        | 13.3        | 19.2        | 24.0        | 4.8        |
|      | <b>HE20, M0 to M9 3ss</b>         | <b>4</b> | <b>15</b> | <b>6</b> | <b>98.45</b> | <b>14.8</b> | <b>15.5</b> | <b>14.4</b> | <b>15.2</b> | <b>21.1</b> | <b>24.0</b> | <b>2.9</b> |
|      | HE20, M0 to M9 4ss                | 4        | 15        | 6        | 98.45        | 14.8        | 15.5        | 14.4        | 15.2        | 21.1        | 24.0        | 2.9        |
|      | HE20 Beam Forming, M0 to M9 1ss   | 2        | 14        | 9        | 98.45        | 13.6        | 14.3        |             |             | 17.0        | 21.0        | 4.0        |
|      | HE20 Beam Forming, M0 to M9 2ss   | 2        | 17        | 6        | 98.45        | 17.1        | 17.5        |             |             | 20.4        | 24.0        | 3.6        |
|      | HE20 Beam Forming, M0 to M9 1ss   | 3        | 11        | 11       | 98.45        | 10.6        | 11.5        | 11.0        |             | 15.9        | 19.0        | 3.1        |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3        | 14        | 8        | 98.45        | 13.6        | 14.3        | 13.5        |             | 18.7        | 22.0        | 3.3        |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3        | 16        | 6        | 98.45        | 15.9        | 16.6        | 15.3        |             | 20.8        | 24.0        | 3.2        |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4        | 8         | 12       | 98.45        | 8.0         | 8.0         | 7.3         | 9.3         | 14.3        | 18.0        | 3.7        |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4        | 11        | 9        | 98.45        | 10.6        | 11.5        | 11.0        | 11.3        | 17.2        | 21.0        | 3.8        |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4        | 13        | 7        | 98.45        | 12.8        | 13.5        | 12.7        | 13.3        | 19.2        | 23.0        | 3.8        |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4        | 15        | 6        | 98.45        | 14.8        | 15.5        | 14.4        | 15.2        | 21.1        | 24.0        | 2.9        |
|      | HE20 STBC, M0 to M9 2ss           | 2        | 17        | 6        | 98.45        | 17.1        | 17.5        |             |             | 20.4        | 24.0        | 3.6        |
|      | HE20 STBC, M0 to M9 2ss           | 3        | 15        | 6        | 98.45        | 14.8        | 15.5        | 14.4        |             | 19.8        | 24.0        | 4.2        |
|      | HE20 STBC, M0 to M9 2ss           | 4        | 13        | 6        | 98.45        | 12.8        | 13.5        | 12.7        | 13.3        | 19.2        | 24.0        | 4.8        |
|      |                                   |          |           |          |              |             |             |             |             |             |             |            |
| 5570 | Non HT160, 6 to 54 Mbps           | 1        | 13        | 6        | 98.84        | 12.4        |             |             |             | 12.5        | 24.0        | 11.6       |
|      | Non HT160, 6 to 54 Mbps           | 2        | 12        | 6        | 98.84        | 11.3        | 12.0        |             |             | 14.7        | 24.0        | 9.3        |
|      | Non HT160, 6 to 54 Mbps           | 3        | 12        | 6        | 98.84        | 11.3        | 12.0        | 12.0        |             | 16.6        | 24.0        | 7.4        |
|      | Non HT160, 6 to 54 Mbps           | 4        | 12        | 6        | 98.84        | 11.3        | 12.0        | 12.0        | 11.7        | 17.8        | 24.0        | 6.2        |
|      | VHT160, M0 to M9 1ss              | 1        | 13        | 6        | 91.37        | 12.0        |             |             |             | 12.4        | 24.0        | 11.6       |
|      | VHT160, M0 to M9 1ss              | 2        | 12        | 6        | 91.37        | 11.1        | 11.0        |             |             | 14.5        | 24.0        | 9.5        |
|      | VHT160, M0 to M9 2ss              | 2        | 12        | 6        | 91.37        | 11.1        | 11.0        |             |             | 14.5        | 24.0        | 9.5        |
|      | VHT160, M0 to M9 1ss              | 3        | 12        | 6        | 91.37        | 11.1        | 11.0        | 10.5        |             | 16.0        | 24.0        | 8.0        |
|      | VHT160, M0 to M9 2ss              | 3        | 12        | 6        | 91.37        | 11.1        | 11.0        | 10.5        |             | 16.0        | 24.0        | 8.0        |
|      | VHT160, M0 to M9 3ss              | 3        | 12        | 6        | 91.37        | 11.1        | 11.0        | 10.5        |             | 16.0        | 24.0        | 8.0        |
|      | VHT160, M0 to M9 1ss              | 4        | 9         | 6        | 91.37        | 8.3         | 8.3         | 7.5         | 7.9         | 14.4        | 24.0        | 9.6        |
|      | VHT160, M0 to M9 2ss              | 4        | 9         | 6        | 91.37        | 8.3         | 8.3         | 7.5         | 7.9         | 14.4        | 24.0        | 9.6        |
|      | VHT160, M0 to M9 3ss              | 4        | 9         | 6        | 91.37        | 8.3         | 8.3         | 7.5         | 7.9         | 14.4        | 24.0        | 9.6        |
|      | VHT160, M0 to M9 4ss              | 4        | 9         | 6        | 91.37        | 8.3         | 8.3         | 7.5         | 7.9         | 14.4        | 24.0        | 9.6        |
|      | VHT160 Beam Forming, M0 to M9 1ss | 2        | 8         | 9        | 91.37        | 7.1         | 7.3         |             |             | 10.6        | 21.0        | 10.4       |
|      | VHT160 Beam Forming, M0 to M9 2ss | 2        | 12        | 6        | 91.37        | 11.1        | 11.0        |             |             | 14.5        | 24.0        | 9.5        |
|      | VHT160 Beam Forming, M0 to M9 1ss | 3        | 5         | 11       | 91.37        | 4.0         | 4.2         | 3.5         |             | 9.1         | 19.0        | 9.9        |
|      | VHT160 Beam Forming, M0 to M9 2ss | 3        | 8         | 8        | 91.37        | 7.1         | 7.3         | 6.4         |             | 12.1        | 22.0        | 9.9        |
|      | VHT160 Beam Forming, M0 to M9 3ss | 3        | 12        | 6        | 91.37        | 11.1        | 11.0        | 10.5        |             | 16.0        | 24.0        | 8.0        |
|      | VHT160 Beam Forming, M0 to M9 1ss | 4        | 3         | 12       | 91.37        | 1.6         | 2.4         | 1.5         | 2.1         | 8.3         | 18.0        | 9.7        |
|      | VHT160 Beam Forming, M0 to M9 2ss | 4        | 7         | 9        | 91.37        | 6.1         | 6.3         | 5.4         | 6.2         | 12.4        | 21.0        | 8.6        |



|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
|------|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | VHT160 Beam Forming, M0 to M9 3ss | 4 | 8  | 7  | 91.37 | 7.1  | 7.3  | 6.4  | 7.2  | 13.4 | 23.0 | 9.6 |
|      | VHT160 Beam Forming, M0 to M9 4ss | 4 | 9  | 6  | 91.37 | 8.3  | 8.3  | 7.5  | 7.9  | 14.4 | 24.0 | 9.6 |
|      | VHT160 STBC, M0 to M9 1ss         | 2 | 12 | 6  | 91.37 | 11.1 | 11.0 |      |      | 14.5 | 24.0 | 9.5 |
|      | VHT160 STBC, M0 to M9 1ss         | 3 | 12 | 6  | 91.37 | 11.1 | 11.0 | 10.5 |      | 16.0 | 24.0 | 8.0 |
|      | VHT160 STBC, M0 to M9 1ss         | 4 | 9  | 6  | 91.37 | 8.3  | 8.3  | 7.5  | 7.9  | 14.4 | 24.0 | 9.6 |
|      | HE160, M0 to M9 1ss               | 1 | 15 | 6  | 90.85 | 14.3 |      |      |      | 14.7 | 24.0 | 9.3 |
|      | HE160, M0 to M9 1ss               | 2 | 14 | 6  | 90.85 | 13.0 | 13.2 |      |      | 16.5 | 24.0 | 7.5 |
|      | HE160, M0 to M9 2ss               | 2 | 14 | 6  | 90.85 | 13.0 | 13.2 |      |      | 16.5 | 24.0 | 7.5 |
|      | HE160, M0 to M9 1ss               | 3 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 |      | 18.2 | 24.0 | 5.8 |
|      | HE160, M0 to M9 2ss               | 3 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 |      | 18.2 | 24.0 | 5.8 |
|      | HE160, M0 to M9 3ss               | 3 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 |      | 18.2 | 24.0 | 5.8 |
|      | HE160, M0 to M9 1ss               | 4 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 | 12.7 | 19.3 | 24.0 | 4.7 |
|      | HE160, M0 to M9 2ss               | 4 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 | 12.7 | 19.3 | 24.0 | 4.7 |
|      | HE160, M0 to M9 3ss               | 4 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 | 12.7 | 19.3 | 24.0 | 4.7 |
|      | HE160, M0 to M9 4ss               | 4 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 | 12.7 | 19.3 | 24.0 | 4.7 |
|      | HE160 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | 90.85 | 12.0 | 12.0 |      |      | 15.4 | 21.0 | 5.6 |
|      | HE160 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | 90.85 | 13.0 | 13.2 |      |      | 16.5 | 24.0 | 7.5 |
|      | HE160 Beam Forming, M0 to M9 1ss  | 3 | 11 | 11 | 90.85 | 10.4 | 10.1 | 9.9  |      | 15.3 | 19.0 | 3.7 |
|      | HE160 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | 90.85 | 12.0 | 12.0 | 11.6 |      | 17.1 | 22.0 | 4.9 |
|      | HE160 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 |      | 18.2 | 24.0 | 5.8 |
|      | HE160 Beam Forming, M0 to M9 1ss  | 4 | 8  | 12 | 90.85 | 7.0  | 7.3  | 6.7  | 7.3  | 13.5 | 18.0 | 4.5 |
|      | HE160 Beam Forming, M0 to M9 2ss  | 4 | 11 | 9  | 90.85 | 10.4 | 10.1 | 9.9  | 9.8  | 16.5 | 21.0 | 4.5 |
|      | HE160 Beam Forming, M0 to M9 3ss  | 4 | 13 | 7  | 90.85 | 12.0 | 12.0 | 11.6 | 11.7 | 18.3 | 23.0 | 4.7 |
|      | HE160 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 | 12.7 | 19.3 | 24.0 | 4.7 |
|      | HE160 STBC, M0 to M9 1ss          | 2 | 14 | 6  | 90.85 | 13.0 | 13.2 |      |      | 16.5 | 24.0 | 7.5 |
|      | HE160 STBC, M0 to M9 1ss          | 3 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 |      | 18.2 | 24.0 | 5.8 |
|      | HE160 STBC, M0 to M9 1ss          | 4 | 14 | 6  | 90.85 | 13.0 | 13.2 | 12.7 | 12.7 | 19.3 | 24.0 | 4.7 |
|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
| 5610 | Non HT80, 6 to 54 Mbps            | 1 | 17 | 6  | 98.97 | 16.7 |      |      |      | 16.8 | 24.0 | 7.3 |
|      | Non HT80, 6 to 54 Mbps            | 2 | 17 | 6  | 98.97 | 16.7 | 16.9 |      |      | 19.9 | 24.0 | 4.1 |
|      | Non HT80, 6 to 54 Mbps            | 3 | 16 | 6  | 98.97 | 15.8 | 16.0 | 15.5 |      | 20.6 | 24.0 | 3.4 |
|      | Non HT80, 6 to 54 Mbps            | 4 | 15 | 6  | 98.97 | 14.2 | 14.9 | 14.6 | 14.6 | 20.7 | 24.0 | 3.3 |
|      | VHT80, M0 to M9 1ss               | 1 | 17 | 6  | 95.15 | 16.4 |      |      |      | 16.6 | 24.0 | 7.4 |
|      | VHT80, M0 to M9 1ss               | 2 | 17 | 6  | 95.15 | 16.4 | 16.1 |      |      | 19.5 | 24.0 | 4.5 |
|      | VHT80, M0 to M9 2ss               | 2 | 17 | 6  | 95.15 | 16.4 | 16.1 |      |      | 19.5 | 24.0 | 4.5 |
|      | VHT80, M0 to M9 1ss               | 3 | 16 | 6  | 95.15 | 15.7 | 15.0 | 14.8 |      | 20.2 | 24.0 | 3.8 |
|      | VHT80, M0 to M9 2ss               | 3 | 16 | 6  | 95.15 | 15.7 | 15.0 | 14.8 |      | 20.2 | 24.0 | 3.8 |
|      | VHT80, M0 to M9 3ss               | 3 | 16 | 6  | 95.15 | 15.7 | 15.0 | 14.8 |      | 20.2 | 24.0 | 3.8 |
|      | VHT80, M0 to M9 1ss               | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |
|      | VHT80, M0 to M9 2ss               | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |
|      | VHT80, M0 to M9 3ss               | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |
|      | VHT80, M0 to M9 3ss               | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |



|      |                                  |   |    |    |       |      |      |      |      |      |      |     |
|------|----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | VHT80, M0 to M9 4ss              | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 14 | 9  | 95.15 | 13.2 | 13.1 |      |      | 16.4 | 21.0 | 4.6 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 17 | 6  | 95.15 | 16.4 | 16.1 |      |      | 19.5 | 24.0 | 4.5 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 11 | 11 | 95.15 | 10.0 | 10.1 | 10.0 |      | 15.0 | 19.0 | 4.0 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 14 | 8  | 95.15 | 13.2 | 13.1 | 12.9 |      | 18.1 | 22.0 | 3.9 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 16 | 6  | 95.15 | 15.7 | 15.0 | 14.8 |      | 20.2 | 24.0 | 3.8 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 8  | 12 | 95.15 | 7.5  | 7.4  | 6.8  | 6.2  | 13.2 | 18.0 | 4.8 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 11 | 9  | 95.15 | 10.0 | 10.1 | 10.0 | 9.4  | 16.1 | 21.0 | 4.9 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 13 | 7  | 95.15 | 12.5 | 12.1 | 11.8 | 11.3 | 18.2 | 23.0 | 4.8 |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 17 | 6  | 95.15 | 16.4 | 16.1 |      |      | 19.5 | 24.0 | 4.5 |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 16 | 6  | 95.15 | 15.7 | 15.0 | 14.8 |      | 20.2 | 24.0 | 3.8 |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 15 | 6  | 95.15 | 14.1 | 13.9 | 13.7 | 13.5 | 20.0 | 24.0 | 4.0 |
|      | HE80, M0 to M9 1ss               | 1 | 17 | 6  | 94.41 | 16.5 |      |      |      | 16.8 | 24.0 | 7.3 |
|      | HE80, M0 to M9 1ss               | 2 | 17 | 6  | 94.41 | 16.5 | 16.4 |      |      | 19.7 | 24.0 | 4.3 |
|      | HE80, M0 to M9 2ss               | 2 | 17 | 6  | 94.41 | 16.5 | 16.4 |      |      | 19.7 | 24.0 | 4.3 |
|      | HE80, M0 to M9 1ss               | 3 | 16 | 6  | 94.41 | 15.8 | 15.2 | 15.0 |      | 20.4 | 24.0 | 3.6 |
|      | HE80, M0 to M9 2ss               | 3 | 16 | 6  | 94.41 | 15.8 | 15.2 | 15.0 |      | 20.4 | 24.0 | 3.6 |
|      | HE80, M0 to M9 3ss               | 3 | 16 | 6  | 94.41 | 15.8 | 15.2 | 15.0 |      | 20.4 | 24.0 | 3.6 |
|      | HE80, M0 to M9 1ss               | 4 | 15 | 6  | 94.41 | 14.4 | 14.5 | 14.1 | 13.4 | 20.4 | 24.0 | 3.6 |
|      | HE80, M0 to M9 2ss               | 4 | 15 | 6  | 94.41 | 14.4 | 14.5 | 14.1 | 13.4 | 20.4 | 24.0 | 3.6 |
|      | HE80, M0 to M9 3ss               | 4 | 15 | 6  | 94.41 | 14.4 | 14.5 | 14.1 | 13.4 | 20.4 | 24.0 | 3.6 |
|      | HE80, M0 to M9 4ss               | 4 | 15 | 6  | 94.41 | 14.4 | 14.5 | 14.1 | 13.4 | 20.4 | 24.0 | 3.6 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 14 | 9  | 94.41 | 13.2 | 13.3 |      |      | 16.5 | 21.0 | 4.5 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 17 | 6  | 94.41 | 16.5 | 16.4 |      |      | 19.7 | 24.0 | 4.3 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 11 | 11 | 94.41 | 10.7 | 10.5 | 10.5 |      | 15.6 | 19.0 | 3.4 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 14 | 8  | 94.41 | 13.2 | 13.3 | 13.2 |      | 18.3 | 22.0 | 3.7 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 16 | 6  | 94.41 | 15.8 | 15.2 | 15.0 |      | 20.4 | 24.0 | 3.6 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 8  | 12 | 94.41 | 7.3  | 7.5  | 7.3  | 6.9  | 13.5 | 18.0 | 4.5 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 11 | 9  | 94.41 | 10.7 | 10.5 | 10.5 | 9.5  | 16.6 | 21.0 | 4.4 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 13 | 7  | 94.41 | 12.5 | 12.2 | 12.3 | 11.5 | 18.4 | 23.0 | 4.6 |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 15 | 6  | 94.41 | 14.4 | 14.5 | 14.1 | 13.4 | 20.4 | 24.0 | 3.6 |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 17 | 6  | 94.41 | 16.5 | 16.4 |      |      | 19.7 | 24.0 | 4.3 |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 16 | 6  | 94.41 | 15.8 | 15.2 | 15.0 |      | 20.4 | 24.0 | 3.6 |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 15 | 6  | 94.41 | 14.4 | 14.5 | 14.1 | 13.4 | 20.4 | 24.0 | 3.6 |
| 5690 |                                  |   |    |    |       |      |      |      |      |      |      |     |
|      | Non HT80, 6 to 54 Mbps           | 1 | 16 | 6  | 98.97 | 15.9 |      |      |      | 16.0 | 24.0 | 8.1 |
|      | Non HT80, 6 to 54 Mbps           | 2 | 16 | 6  | 98.97 | 15.9 | 16.1 |      |      | 19.1 | 24.0 | 4.9 |
|      | Non HT80, 6 to 54 Mbps           | 3 | 15 | 6  | 98.97 | 14.6 | 14.8 | 14.5 |      | 19.5 | 24.0 | 4.5 |
|      | Non HT80, 6 to 54 Mbps           | 4 | 14 | 6  | 98.97 | 13.8 | 13.9 | 13.7 | 13.8 | 19.9 | 24.0 | 4.1 |
|      | VHT80, M0 to M9 1ss              | 1 | 16 | 6  | 95.15 | 15.6 |      |      |      | 15.8 | 24.0 | 8.2 |

|                                  |   |    |    |       |      |      |      |      |      |      |     |
|----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
| VHT80, M0 to M9 1ss              | 2 | 16 | 6  | 95.15 | 15.6 | 15.1 |      |      | 18.6 | 24.0 | 5.4 |
| VHT80, M0 to M9 2ss              | 2 | 16 | 6  | 95.15 | 15.6 | 15.1 |      |      | 18.6 | 24.0 | 5.4 |
| VHT80, M0 to M9 1ss              | 3 | 15 | 6  | 95.15 | 14.5 | 14.1 | 13.5 |      | 19.0 | 24.0 | 5.0 |
| VHT80, M0 to M9 2ss              | 3 | 15 | 6  | 95.15 | 14.5 | 14.1 | 13.5 |      | 19.0 | 24.0 | 5.0 |
| VHT80, M0 to M9 3ss              | 3 | 15 | 6  | 95.15 | 14.5 | 14.1 | 13.5 |      | 19.0 | 24.0 | 5.0 |
| VHT80, M0 to M9 1ss              | 4 | 14 | 6  | 95.15 | 13.6 | 13.2 | 12.6 | 12.6 | 19.3 | 24.0 | 4.7 |
| VHT80, M0 to M9 2ss              | 4 | 14 | 6  | 95.15 | 13.6 | 13.2 | 12.6 | 12.6 | 19.3 | 24.0 | 4.7 |
| VHT80, M0 to M9 3ss              | 4 | 14 | 6  | 95.15 | 13.6 | 13.2 | 12.6 | 12.6 | 19.3 | 24.0 | 4.7 |
| VHT80, M0 to M9 4ss              | 4 | 14 | 6  | 95.15 | 13.6 | 13.2 | 12.6 | 12.6 | 19.3 | 24.0 | 4.7 |
| VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | 95.15 | 12.5 | 12.1 |      |      | 15.5 | 21.0 | 5.5 |
| VHT80 Beam Forming, M0 to M9 2ss | 2 | 16 | 6  | 95.15 | 15.6 | 15.1 |      |      | 18.6 | 24.0 | 5.4 |
| VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | 95.15 | 9.3  | 9.3  | 8.8  |      | 14.1 | 19.0 | 4.9 |
| VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | 95.15 | 12.5 | 12.1 | 11.6 |      | 17.1 | 22.0 | 4.9 |
| VHT80 Beam Forming, M0 to M9 3ss | 3 | 15 | 6  | 95.15 | 14.5 | 14.1 | 13.5 |      | 19.0 | 24.0 | 5.0 |
| VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | 95.15 | 6.3  | 6.8  | 5.4  | 5.6  | 12.3 | 18.0 | 5.7 |
| VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | 95.15 | 9.3  | 9.3  | 8.8  | 8.7  | 15.3 | 21.0 | 5.7 |
| VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | 95.15 | 11.3 | 11.2 | 10.6 | 10.7 | 17.2 | 23.0 | 5.8 |
| VHT80 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | 95.15 | 13.6 | 13.2 | 12.6 | 12.6 | 19.3 | 24.0 | 4.7 |
| VHT80 STBC, M0 to M9 1ss         | 2 | 16 | 6  | 95.15 | 15.6 | 15.1 |      |      | 18.6 | 24.0 | 5.4 |
| VHT80 STBC, M0 to M9 1ss         | 3 | 15 | 6  | 95.15 | 14.5 | 14.1 | 13.5 |      | 19.0 | 24.0 | 5.0 |
| VHT80 STBC, M0 to M9 1ss         | 4 | 14 | 6  | 95.15 | 13.6 | 13.2 | 12.6 | 12.6 | 19.3 | 24.0 | 4.7 |
| HE80, M0 to M9 1ss               | 1 | 16 | 6  | 94.41 | 16.0 |      |      |      | 16.3 | 24.0 | 7.8 |
| HE80, M0 to M9 1ss               | 2 | 16 | 6  | 94.41 | 16.0 | 15.6 |      |      | 19.1 | 24.0 | 4.9 |
| HE80, M0 to M9 2ss               | 2 | 16 | 6  | 94.41 | 16.0 | 15.6 |      |      | 19.1 | 24.0 | 4.9 |
| HE80, M0 to M9 1ss               | 3 | 15 | 6  | 94.41 | 15.0 | 14.6 | 13.9 |      | 19.5 | 24.0 | 4.5 |
| HE80, M0 to M9 2ss               | 3 | 15 | 6  | 94.41 | 15.0 | 14.6 | 13.9 |      | 19.5 | 24.0 | 4.5 |
| HE80, M0 to M9 3ss               | 3 | 15 | 6  | 94.41 | 15.0 | 14.6 | 13.9 |      | 19.5 | 24.0 | 4.5 |
| HE80, M0 to M9 1ss               | 4 | 14 | 6  | 94.41 | 14.1 | 13.5 | 13.0 | 12.6 | 19.6 | 24.0 | 4.4 |
| HE80, M0 to M9 2ss               | 4 | 14 | 6  | 94.41 | 14.1 | 13.5 | 13.0 | 12.6 | 19.6 | 24.0 | 4.4 |
| HE80, M0 to M9 3ss               | 4 | 14 | 6  | 94.41 | 14.1 | 13.5 | 13.0 | 12.6 | 19.6 | 24.0 | 4.4 |
| HE80, M0 to M9 4ss               | 4 | 14 | 6  | 94.41 | 14.1 | 13.5 | 13.0 | 12.6 | 19.6 | 24.0 | 4.4 |
| HE80 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | 94.41 | 12.7 | 12.6 |      |      | 15.9 | 21.0 | 5.1 |
| HE80 Beam Forming, M0 to M9 2ss  | 2 | 16 | 6  | 94.41 | 16.0 | 15.6 |      |      | 19.1 | 24.0 | 4.9 |
| HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | 94.41 | 9.6  | 9.9  | 9.3  |      | 14.6 | 19.0 | 4.4 |
| HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | 94.41 | 12.7 | 12.6 | 11.9 |      | 17.4 | 22.0 | 4.6 |
| HE80 Beam Forming, M0 to M9 3ss  | 3 | 15 | 6  | 94.41 | 15.0 | 14.6 | 13.9 |      | 19.5 | 24.0 | 4.5 |
| HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | 94.41 | 6.6  | 6.7  | 5.9  | 5.6  | 12.5 | 18.0 | 5.5 |
| HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | 94.41 | 9.6  | 9.9  | 9.3  | 8.8  | 15.7 | 21.0 | 5.3 |
| HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | 94.41 | 11.7 | 11.6 | 11.2 | 10.7 | 17.6 | 23.0 | 5.4 |
| HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | 94.41 | 14.1 | 13.5 | 13.0 | 12.6 | 19.6 | 24.0 | 4.4 |
| HE80 STBC, M0 to M9 1ss          | 2 | 16 | 6  | 94.41 | 16.0 | 15.6 |      |      | 19.1 | 24.0 | 4.9 |

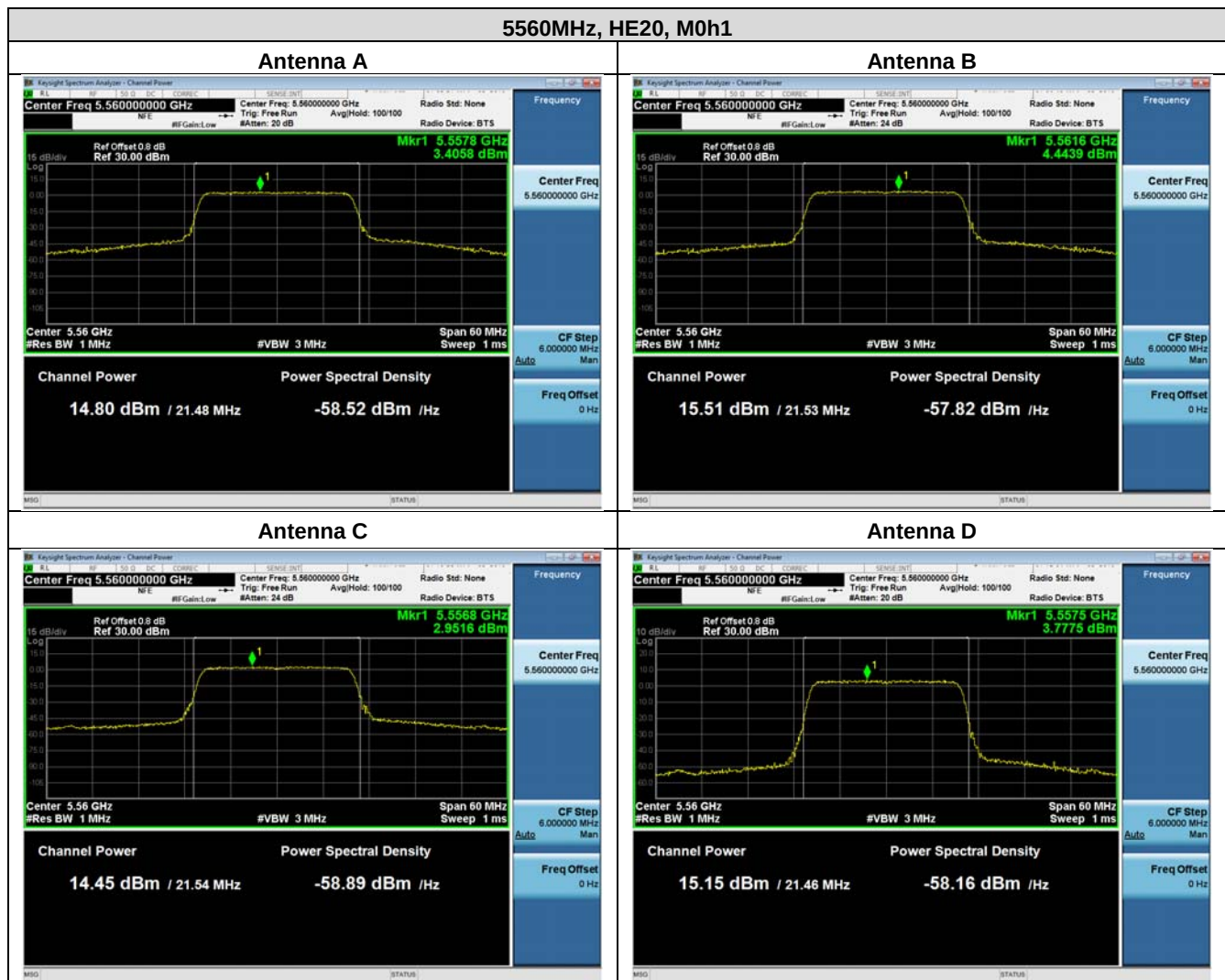
|      |                                     |   |    |    |       |      |      |      |      |      |      |      |
|------|-------------------------------------|---|----|----|-------|------|------|------|------|------|------|------|
|      | HE80 STBC, M0 to M9 1ss             | 3 | 15 | 6  | 94.41 | 15.0 | 14.6 | 13.9 |      | 19.5 | 24.0 | 4.5  |
|      | HE80 STBC, M0 to M9 1ss             | 4 | 14 | 6  | 94.41 | 14.1 | 13.5 | 13.0 | 12.6 | 19.6 | 24.0 | 4.4  |
|      |                                     |   |    |    |       |      |      |      |      |      |      |      |
| 5700 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | 98.96 | 15.3 |      |      |      | 15.4 | 24.0 | 8.7  |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 6  | 98.96 | 14.2 | 14.9 |      |      | 17.6 | 24.0 | 6.4  |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | 98.96 | 11.3 | 11.7 | 11.7 |      | 16.4 | 24.0 | 7.6  |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | 98.96 | 8.9  | 9.8  | 10.0 | 9.7  | 15.7 | 24.0 | 8.3  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | 98.96 | 13.3 | 13.7 |      |      | 16.6 | 21.0 | 4.4  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | 98.96 | 10.0 | 10.7 | 10.9 |      | 15.4 | 19.0 | 3.6  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | 98.96 | 7.4  | 8.0  | 7.7  | 7.6  | 13.8 | 18.0 | 4.2  |
|      | HT/VHT20, M0 to M7                  | 1 | 15 | 6  | 98.76 | 14.9 |      |      |      | 15.0 | 24.0 | 9.1  |
|      | HT/VHT20, M0 to M7                  | 2 | 15 | 6  | 98.76 | 14.9 | 14.3 |      |      | 17.7 | 24.0 | 6.3  |
|      | HT/VHT20, M8 to M15                 | 2 | 15 | 6  | 98.76 | 14.9 | 14.3 |      |      | 17.7 | 24.0 | 6.3  |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 6  | 98.76 | 12.1 | 11.4 | 11.6 |      | 16.5 | 24.0 | 7.5  |
|      | HT/VHT20, M8 to M15                 | 3 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 |      | 18.4 | 24.0 | 5.6  |
|      | HT/VHT20, M16 to M23                | 3 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 |      | 18.4 | 24.0 | 5.6  |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | 98.76 | 10.0 | 9.5  | 10.0 | 9.7  | 15.9 | 24.0 | 8.1  |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | 98.76 | 12.7 | 12.5 | 12.4 | 12.6 | 18.6 | 24.0 | 5.4  |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 | 13.7 | 19.7 | 24.0 | 4.3  |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 | 13.7 | 19.7 | 24.0 | 4.3  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | 98.76 | 14.0 | 13.4 |      |      | 16.8 | 21.0 | 4.2  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 15 | 6  | 98.76 | 14.9 | 14.3 |      |      | 17.7 | 24.0 | 6.3  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | 98.76 | 10.7 | 10.5 | 10.7 |      | 15.5 | 19.0 | 3.5  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | 98.76 | 14.0 | 13.4 | 13.4 |      | 18.4 | 22.0 | 3.6  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 |      | 18.4 | 24.0 | 5.6  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | 98.76 | 9.1  | 7.6  | 7.7  | 8.1  | 14.2 | 18.0 | 3.8  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | 98.76 | 10.7 | 10.5 | 10.7 | 10.5 | 16.7 | 21.0 | 4.3  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | 98.76 | 12.7 | 12.5 | 12.4 | 12.6 | 18.6 | 23.0 | 4.4  |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 | 13.7 | 19.7 | 24.0 | 4.3  |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 15 | 6  | 98.76 | 14.9 | 14.3 |      |      | 17.7 | 24.0 | 6.3  |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 14 | 6  | 98.76 | 14.0 | 13.4 | 13.4 |      | 18.4 | 24.0 | 5.6  |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 6  | 98.76 | 12.7 | 12.5 | 12.4 | 12.6 | 18.6 | 24.0 | 5.4  |
|      | HE20, M0 to M9 1ss                  | 1 | 14 | 6  | 98.45 | 13.7 |      |      |      | 13.8 | 24.0 | 10.2 |
|      | HE20, M0 to M9 1ss                  | 2 | 14 | 6  | 98.45 | 13.7 | 14.1 |      |      | 17.0 | 24.0 | 7.0  |
|      | HE20, M0 to M9 2ss                  | 2 | 14 | 6  | 98.45 | 13.7 | 14.1 |      |      | 17.0 | 24.0 | 7.0  |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 6  | 98.45 | 11.5 | 12.1 | 12.1 |      | 16.8 | 24.0 | 7.2  |
|      | HE20, M0 to M9 2ss                  | 3 | 14 | 6  | 98.45 | 13.7 | 14.1 | 13.9 |      | 18.7 | 24.0 | 5.3  |
|      | HE20, M0 to M9 3ss                  | 3 | 14 | 6  | 98.45 | 13.7 | 14.1 | 13.9 |      | 18.7 | 24.0 | 5.3  |
|      | HE20, M0 to M9 1ss                  | 4 | 10 | 6  | 98.45 | 9.3  | 10.0 | 10.4 | 10.3 | 16.1 | 24.0 | 7.9  |
|      | HE20, M0 to M9 2ss                  | 4 | 13 | 6  | 98.45 | 12.7 | 13.2 | 13.1 | 13.1 | 19.1 | 24.0 | 4.9  |
|      | HE20, M0 to M9 3ss                  | 4 | 13 | 6  | 98.45 | 12.7 | 13.2 | 13.1 | 13.1 | 19.1 | 24.0 | 4.9  |

|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
|------|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | HE20, M0 to M9 4ss                | 4 | 13 | 6  | 98.45 | 12.7 | 13.2 | 13.1 | 13.1 | 19.1 | 24.0 | 4.9 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | 98.45 | 13.7 | 14.1 |      |      | 17.0 | 21.0 | 4.0 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 2 | 14 | 6  | 98.45 | 13.7 | 14.1 |      |      | 17.0 | 24.0 | 7.0 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | 98.45 | 10.6 | 11.2 | 11.3 |      | 15.9 | 19.0 | 3.1 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | 98.45 | 13.7 | 14.1 | 13.9 |      | 18.7 | 22.0 | 3.3 |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3 | 14 | 6  | 98.45 | 13.7 | 14.1 | 13.9 |      | 18.7 | 24.0 | 5.3 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | 98.45 | 6.3  | 7.2  | 9.5  | 6.5  | 13.7 | 18.0 | 4.3 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4 | 11 | 9  | 98.45 | 10.6 | 11.2 | 11.3 | 11.1 | 17.1 | 21.0 | 3.9 |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4 | 13 | 7  | 98.45 | 12.7 | 13.2 | 13.1 | 13.1 | 19.1 | 23.0 | 3.9 |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4 | 13 | 6  | 98.45 | 12.7 | 13.2 | 13.1 | 13.1 | 19.1 | 24.0 | 4.9 |
|      | HE20 STBC, M0 to M9 2ss           | 2 | 14 | 6  | 98.45 | 13.7 | 14.1 |      |      | 17.0 | 24.0 | 7.0 |
|      | HE20 STBC, M0 to M9 2ss           | 3 | 14 | 6  | 98.45 | 13.7 | 14.1 | 13.9 |      | 18.7 | 24.0 | 5.3 |
|      | HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | 98.45 | 12.7 | 13.2 | 13.1 | 13.1 | 19.1 | 24.0 | 4.9 |
|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
| 5710 | Non HT40, 6 to 54 Mbps            | 1 | 17 | 6  | 98.88 | 16.9 |      |      |      | 17.0 | 24.0 | 7.1 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 17 | 6  | 98.88 | 16.9 | 17.1 |      |      | 20.1 | 24.0 | 3.9 |
|      | Non HT40, 6 to 54 Mbps            | 3 | 15 | 6  | 98.88 | 14.9 | 14.9 | 14.7 |      | 19.7 | 24.0 | 4.3 |
|      | Non HT40, 6 to 54 Mbps            | 4 | 12 | 6  | 98.88 | 11.5 | 11.8 | 12.1 | 11.7 | 17.9 | 24.0 | 6.1 |
|      | HT/VHT40, M0 to M7                | 1 | 17 | 6  | 97.50 | 16.3 |      |      |      | 16.4 | 24.0 | 7.6 |
|      | HT/VHT40, M0 to M7                | 2 | 17 | 6  | 97.50 | 16.3 | 16.4 |      |      | 19.5 | 24.0 | 4.5 |
|      | HT/VHT40, M8 to M15               | 2 | 17 | 6  | 97.50 | 16.3 | 16.4 |      |      | 19.5 | 24.0 | 4.5 |
|      | HT/VHT40, M0 to M7                | 3 | 15 | 6  | 97.50 | 14.6 | 14.3 | 14.3 |      | 19.3 | 24.0 | 4.7 |
|      | HT/VHT40, M8 to M15               | 3 | 16 | 6  | 97.50 | 15.4 | 15.2 | 15.1 |      | 20.1 | 24.0 | 3.9 |
|      | HT/VHT40, M16 to M23              | 3 | 16 | 6  | 97.50 | 15.4 | 15.2 | 15.1 |      | 20.1 | 24.0 | 3.9 |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 6  | 97.50 | 12.6 | 12.2 | 12.7 | 12.4 | 18.6 | 24.0 | 5.4 |
|      | HT/VHT40, M8 to M15               | 4 | 15 | 6  | 97.50 | 14.6 | 14.3 | 14.3 | 14.3 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40, M16 to M23              | 4 | 15 | 6  | 97.50 | 14.6 | 14.3 | 14.3 | 14.3 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40, M24 to M31              | 4 | 15 | 6  | 97.50 | 14.6 | 14.3 | 14.3 | 14.3 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | 97.50 | 13.3 | 13.2 |      |      | 16.4 | 21.0 | 4.6 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | 97.50 | 16.3 | 16.4 |      |      | 19.5 | 24.0 | 4.5 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | 97.50 | 10.7 | 10.5 | 10.8 |      | 15.5 | 19.0 | 3.5 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | 97.50 | 13.3 | 13.2 | 13.5 |      | 18.2 | 22.0 | 3.8 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | 97.50 | 15.4 | 15.2 | 15.1 |      | 20.1 | 24.0 | 3.9 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | 97.50 | 7.7  | 8.1  | 7.0  | 8.3  | 13.9 | 18.0 | 4.1 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | 97.50 | 10.7 | 10.5 | 10.8 | 10.7 | 16.8 | 21.0 | 4.2 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | 97.50 | 12.6 | 12.2 | 12.7 | 12.4 | 18.6 | 23.0 | 4.4 |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | 97.50 | 14.6 | 14.3 | 14.3 | 14.3 | 20.5 | 24.0 | 3.5 |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | 97.50 | 16.3 | 16.4 |      |      | 19.5 | 24.0 | 4.5 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 16 | 6  | 97.50 | 15.4 | 15.2 | 15.1 |      | 20.1 | 24.0 | 3.9 |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 15 | 6  | 97.50 | 14.6 | 14.3 | 14.3 | 14.3 | 20.5 | 24.0 | 3.5 |
|      | HE40, M0 to M9 1ss                | 1 | 17 | 6  | 97.16 | 16.1 |      |      |      | 16.2 | 24.0 | 7.8 |

|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
|------|-------------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | HE40, M0 to M9 1ss                  | 2 | 17 | 6  | 97.16 | 16.1 | 16.4 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40, M0 to M9 2ss                  | 2 | 17 | 6  | 97.16 | 16.1 | 16.4 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40, M0 to M9 1ss                  | 3 | 15 | 6  | 97.16 | 14.4 | 14.8 | 14.5 |      | 19.5 | 24.0 | 4.5 |
|      | HE40, M0 to M9 2ss                  | 3 | 16 | 6  | 97.16 | 15.3 | 15.6 | 15.2 |      | 20.3 | 24.0 | 3.7 |
|      | HE40, M0 to M9 3ss                  | 3 | 16 | 6  | 97.16 | 15.3 | 15.6 | 15.2 |      | 20.3 | 24.0 | 3.7 |
|      | HE40, M0 to M9 1ss                  | 4 | 13 | 6  | 97.16 | 12.4 | 12.7 | 12.6 | 12.1 | 18.6 | 24.0 | 5.4 |
|      | HE40, M0 to M9 2ss                  | 4 | 15 | 6  | 97.16 | 14.4 | 14.8 | 14.5 | 14.3 | 20.7 | 24.0 | 3.3 |
|      | HE40, M0 to M9 3ss                  | 4 | 15 | 6  | 97.16 | 14.4 | 14.8 | 14.5 | 14.3 | 20.7 | 24.0 | 3.3 |
|      | HE40, M0 to M9 4ss                  | 4 | 15 | 6  | 97.16 | 14.4 | 14.8 | 14.5 | 14.3 | 20.7 | 24.0 | 3.3 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 2 | 14 | 9  | 97.16 | 13.1 | 13.6 |      |      | 16.5 | 21.0 | 4.5 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 2 | 17 | 6  | 97.16 | 16.1 | 16.4 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 3 | 11 | 11 | 97.16 | 10.1 | 10.3 | 10.8 |      | 15.3 | 19.0 | 3.7 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 3 | 14 | 8  | 97.16 | 13.1 | 13.6 | 13.7 |      | 18.4 | 22.0 | 3.6 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 3 | 16 | 6  | 97.16 | 15.3 | 15.6 | 15.2 |      | 20.3 | 24.0 | 3.7 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 4 | 8  | 12 | 97.16 | 6.7  | 6.5  | 8.6  | 6.7  | 13.4 | 18.0 | 4.6 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | 97.16 | 10.1 | 10.3 | 10.8 | 10.2 | 16.5 | 21.0 | 4.5 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | 97.16 | 12.4 | 12.7 | 12.6 | 12.1 | 18.6 | 23.0 | 4.4 |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | 97.16 | 14.4 | 14.8 | 14.5 | 14.3 | 20.7 | 24.0 | 3.3 |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | 97.16 | 16.1 | 16.4 |      |      | 19.4 | 24.0 | 4.6 |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 6  | 97.16 | 15.3 | 15.6 | 15.2 |      | 20.3 | 24.0 | 3.7 |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 6  | 97.16 | 14.4 | 14.8 | 14.5 | 14.3 | 20.7 | 24.0 | 3.3 |
|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
| 5720 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | 98.96 | 14.6 |      |      |      | 14.7 | 24.0 | 9.4 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 16 | 6  | 98.96 | 14.6 | 15.0 |      |      | 17.9 | 24.0 | 6.1 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | 98.96 | 10.2 | 10.8 | 10.9 |      | 15.5 | 24.0 | 8.5 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | 98.96 | 8.5  | 8.7  | 9.2  | 8.6  | 14.8 | 24.0 | 9.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 13 | 9  | 98.96 | 11.6 | 11.8 |      |      | 14.8 | 21.0 | 6.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 10 | 11 | 98.96 | 8.5  | 8.7  | 9.2  |      | 13.6 | 19.0 | 5.4 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 7  | 12 | 98.96 | 5.4  | 5.6  | 6.0  | 5.9  | 11.8 | 18.0 | 6.2 |
|      | HT/VHT20, M0 to M7                  | 1 | 16 | 6  | 98.76 | 15.0 |      |      |      | 15.1 | 24.0 | 9.0 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 6  | 98.76 | 15.0 | 14.5 |      |      | 17.8 | 24.0 | 6.2 |
|      | HT/VHT20, M8 to M15                 | 2 | 16 | 6  | 98.76 | 15.0 | 14.5 |      |      | 17.8 | 24.0 | 6.2 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 6  | 98.76 | 10.8 | 10.5 | 10.5 |      | 15.4 | 24.0 | 8.6 |
|      | HT/VHT20, M8 to M15                 | 3 | 15 | 6  | 98.76 | 13.7 | 13.4 | 13.1 |      | 18.2 | 24.0 | 5.8 |
|      | HT/VHT20, M16 to M23                | 3 | 15 | 6  | 98.76 | 13.7 | 13.4 | 13.1 |      | 18.2 | 24.0 | 5.8 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | 98.76 | 9.0  | 8.6  | 8.8  | 8.8  | 14.9 | 24.0 | 9.1 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | 98.76 | 11.6 | 11.4 | 11.2 | 11.6 | 17.5 | 24.0 | 6.5 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 6  | 98.76 | 12.8 | 12.6 | 12.3 | 12.7 | 18.7 | 24.0 | 5.3 |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | 98.76 | 12.8 | 12.6 | 12.3 | 12.7 | 18.7 | 24.0 | 5.3 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 13 | 9  | 98.76 | 11.6 | 11.4 |      |      | 14.6 | 21.0 | 6.4 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 16 | 6  | 98.76 | 15.0 | 14.5 |      |      | 17.8 | 24.0 | 6.2 |

|                                   |   |    |    |       |      |      |      |      |      |      |     |
|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
| HT/VHT20 Beam Forming, M0 to M7   | 3 | 10 | 11 | 98.76 | 9.0  | 8.6  | 8.8  |      | 13.6 | 19.0 | 5.4 |
| HT/VHT20 Beam Forming, M8 to M15  | 3 | 13 | 8  | 98.76 | 11.6 | 11.4 | 11.2 |      | 16.2 | 22.0 | 5.8 |
| HT/VHT20 Beam Forming, M16 to M23 | 3 | 15 | 6  | 98.76 | 13.7 | 13.4 | 13.1 |      | 18.2 | 24.0 | 5.8 |
| HT/VHT20 Beam Forming, M0 to M7   | 4 | 7  | 12 | 98.76 | 5.0  | 5.6  | 4.9  | 6.5  | 11.6 | 18.0 | 6.4 |
| HT/VHT20 Beam Forming, M8 to M15  | 4 | 10 | 9  | 98.76 | 9.0  | 8.6  | 8.8  | 8.8  | 14.9 | 21.0 | 6.1 |
| HT/VHT20 Beam Forming, M16 to M23 | 4 | 12 | 7  | 98.76 | 10.8 | 10.5 | 10.5 | 10.8 | 16.7 | 23.0 | 6.3 |
| HT/VHT20 Beam Forming, M24 to M31 | 4 | 14 | 6  | 98.76 | 12.8 | 12.6 | 12.3 | 12.7 | 18.7 | 24.0 | 5.3 |
| HT/VHT20 STBC, M0 to M7           | 2 | 16 | 6  | 98.76 | 15.0 | 14.5 |      |      | 17.8 | 24.0 | 6.2 |
| HT/VHT20 STBC, M0 to M7           | 3 | 15 | 6  | 98.76 | 13.7 | 13.4 | 13.1 |      | 18.2 | 24.0 | 5.8 |
| HT/VHT20 STBC, M0 to M7           | 4 | 13 | 6  | 98.76 | 11.6 | 11.4 | 11.2 | 11.6 | 17.5 | 24.0 | 6.5 |
| HE20, M0 to M9 1ss                | 1 | 16 | 6  | 98.45 | 14.1 |      |      |      | 14.2 | 24.0 | 9.8 |
| HE20, M0 to M9 1ss                | 2 | 16 | 6  | 98.45 | 14.1 | 14.3 |      |      | 17.3 | 24.0 | 6.7 |
| HE20, M0 to M9 2ss                | 2 | 16 | 6  | 98.45 | 14.1 | 14.3 |      |      | 17.3 | 24.0 | 6.7 |
| HE20, M0 to M9 1ss                | 3 | 12 | 6  | 98.45 | 10.7 | 10.5 | 10.9 |      | 15.5 | 24.0 | 8.5 |
| HE20, M0 to M9 2ss                | 3 | 15 | 6  | 98.45 | 12.7 | 13.4 | 13.4 |      | 18.0 | 24.0 | 6.0 |
| HE20, M0 to M9 3ss                | 3 | 15 | 6  | 98.45 | 12.7 | 13.4 | 13.4 |      | 18.0 | 24.0 | 6.0 |
| HE20, M0 to M9 1ss                | 4 | 10 | 6  | 98.45 | 8.3  | 8.5  | 9.2  | 8.6  | 14.8 | 24.0 | 9.2 |
| HE20, M0 to M9 2ss                | 4 | 13 | 6  | 98.45 | 11.4 | 11.6 | 11.7 | 11.5 | 17.6 | 24.0 | 6.4 |
| HE20, M0 to M9 3ss                | 4 | 14 | 6  | 98.45 | 12.0 | 12.1 | 12.3 | 12.4 | 18.3 | 24.0 | 5.7 |
| HE20, M0 to M9 4ss                | 4 | 14 | 6  | 98.45 | 12.0 | 12.1 | 12.3 | 12.4 | 18.3 | 24.0 | 5.7 |
| HE20 Beam Forming, M0 to M9 1ss   | 2 | 13 | 9  | 98.45 | 11.4 | 11.6 |      |      | 14.6 | 21.0 | 6.4 |
| HE20 Beam Forming, M0 to M9 2ss   | 2 | 16 | 6  | 98.45 | 14.1 | 14.3 |      |      | 17.3 | 24.0 | 6.7 |
| HE20 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | 98.45 | 8.3  | 8.5  | 9.2  |      | 13.5 | 19.0 | 5.5 |
| HE20 Beam Forming, M0 to M9 2ss   | 3 | 13 | 8  | 98.45 | 11.4 | 11.6 | 11.7 |      | 16.4 | 22.0 | 5.6 |
| HE20 Beam Forming, M0 to M9 3ss   | 3 | 15 | 6  | 98.45 | 12.7 | 13.4 | 13.4 |      | 18.0 | 24.0 | 6.0 |
| HE20 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | 98.45 | 5.4  | 4.8  | 5.4  | 5.5  | 11.4 | 18.0 | 6.6 |
| HE20 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | 98.45 | 8.3  | 8.5  | 9.2  | 8.6  | 14.8 | 21.0 | 6.2 |
| HE20 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | 98.45 | 10.7 | 10.5 | 10.9 | 10.8 | 16.8 | 23.0 | 6.2 |
| HE20 Beam Forming, M0 to M9 4ss   | 4 | 14 | 6  | 98.45 | 12.0 | 12.1 | 12.3 | 12.4 | 18.3 | 24.0 | 5.7 |
| HE20 STBC, M0 to M9 2ss           | 2 | 16 | 6  | 98.45 | 14.1 | 14.3 |      |      | 17.3 | 24.0 | 6.7 |
| HE20 STBC, M0 to M9 2ss           | 3 | 15 | 6  | 98.45 | 12.7 | 13.4 | 13.4 |      | 18.0 | 24.0 | 6.0 |
| HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | 98.45 | 11.4 | 11.6 | 11.7 | 11.5 | 17.6 | 24.0 | 6.4 |

### 5.3.5 Maximum Conducted Output Power Plots



## 5.4 Power Spectral Density

### 5.4.1 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 250mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26dB 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 6dBi 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 6dBi.



## 5.4.2 Power Spectral Density Test Procedure

Ref. 789033 D02 General UNII Test Procedures New Rules v01r02

ANSI C63.10: 2013

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Output Power</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <ol style="list-style-type: none"> <li>1. Set the radio in the continuous transmitting mode at full power</li> <li>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.</li> <li>3. Capture graphs and record pertinent measurement data.</li> </ol> |

Ref. 789033 D02 General UNII Test Procedures New Rules v01r02

ANSI C63.10: 2013, section 12.3.2.2 Method SA-1

|                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Output Power</b>                                                                                                                    |
| Test parameters                                                                                                                        |
| Span = >1.5 times the OBW<br>RBW = 1MHz<br>VBW $\geq$ 3 x RBW<br>Sweep = Auto couple<br>Detector = Sample<br>Trace = Trace Average 100 |

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: 2013, section 14.3.2.2)

### 5.4.3 Power Spectral Density Test Information

**Samples, Systems, and Modes**

| System Number | Description | Samples | System under test                   | Support equipment                   |
|---------------|-------------|---------|-------------------------------------|-------------------------------------|
| 1             | EUT         | S01     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|               | Support     | S02     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Tested By:<br>Julian Land | Date of testing:<br>March 14, 2019 - April 8, 2019 |
| Test Result: PASS         |                                                    |

**Test Equipment**

See Appendix A for list of test equipment

### 5.4.4 Power Spectral Density Data Table

| Frequency (MHz) | Mode                                | Tx Paths | Index Power (dBm) | Correlated Antenna Gain (dBi) | Duty Cycle (%) | Tx 1 PSD (dBm/MHz) | Tx 2 PSD (dBm/MHz) | Tx 3 PSD (dBm/MHz) | Tx 4 PSD (dBm/MHz) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) |
|-----------------|-------------------------------------|----------|-------------------|-------------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|-------------|
| 5500            | Non HT20, 6 to 54 Mbps              | 1        | 16                | 6                             | 98.96          | 5.4                |                    |                    |                    | 5.5                 | 11.0            | 5.6         |
|                 | Non HT20, 6 to 54 Mbps              | 2        | 15                | 9                             | 98.96          | 3.8                | 4.3                |                    |                    | 7.1                 | 8.0             | 0.9         |
|                 | Non HT20, 6 to 54 Mbps              | 3        | 12                | 11                            | 98.96          | 1.0                | 1.0                | 0.5                |                    | 5.7                 | 6.0             | 0.3         |
|                 | Non HT20, 6 to 54 Mbps              | 4        | 9                 | 12                            | 98.96          | -2.0               | -1.7               | -1.9               | -1.7               | 4.2                 | 5.0             | 0.8         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 2        | 13                | 9                             | 98.96          | 1.8                | 2.0                |                    |                    | 5.0                 | 8.0             | 3.0         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 3        | 10                | 11                            | 98.96          | -0.9               | -0.6               | -1.2               |                    | 3.9                 | 6.0             | 2.1         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 4        | 7                 | 12                            | 98.96          | -4.1               | -3.5               | -4.1               | -3.8               | 2.2                 | 5.0             | 2.8         |
|                 | HT/VHT20, M0 to M7                  | 1        | 16                | 6                             | 98.76          | 3.9                |                    |                    |                    | 4.0                 | 11.0            | 7.1         |
|                 | HT/VHT20, M0 to M7                  | 2        | 16                | 9                             | 98.76          | 3.9                | 3.7                |                    |                    | 6.9                 | 8.0             | 1.1         |
|                 | HT/VHT20, M8 to M15                 | 2        | 16                | 6                             | 98.76          | 3.9                | 3.7                |                    |                    | 6.9                 | 11.0            | 4.1         |
|                 | HT/VHT20, M0 to M7                  | 3        | 12                | 11                            | 98.76          | 0.1                | -0.6               | -0.5               |                    | 4.5                 | 6.0             | 1.5         |
|                 | HT/VHT20, M8 to M15                 | 3        | 15                | 8                             | 98.76          | 3.3                | 2.6                | 2.5                |                    | 7.6                 | 9.0             | 1.4         |
|                 | HT/VHT20, M16 to M23                | 3        | 15                | 6                             | 98.76          | 3.3                | 2.6                | 2.5                |                    | 7.6                 | 11.0            | 3.4         |
|                 | HT/VHT20, M0 to M7                  | 4        | 10                | 12                            | 98.76          | -1.9               | -2.7               | -2.6               | -2.3               | 3.7                 | 5.0             | 1.3         |
|                 | HT/VHT20, M8 to M15                 | 4        | 13                | 9                             | 98.76          | 0.6                | 0.6                | 0.8                | 1.4                | 6.9                 | 8.0             | 1.1         |
|                 | HT/VHT20, M16 to M23                | 4        | 14                | 7                             | 98.76          | 2.2                | 2.0                | 1.8                | 2.0                | 8.1                 | 10.0            | 1.9         |
|                 | HT/VHT20, M24 to M31                | 4        | 14                | 6                             | 98.76          | 2.2                | 2.0                | 1.8                | 2.0                | 8.1                 | 11.0            | 2.9         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 2        | 13                | 9                             | 98.76          | 0.6                | 0.6                |                    |                    | 3.7                 | 8.0             | 4.3         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 2        | 16                | 6                             | 98.76          | 3.9                | 3.7                |                    |                    | 6.9                 | 11.0            | 4.1         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 3        | 10                | 11                            | 98.76          | -1.9               | -2.7               | -2.6               |                    | 2.4                 | 6.0             | 3.6         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 3        | 13                | 8                             | 98.76          | 0.6                | 0.6                | 0.8                |                    | 5.5                 | 9.0             | 3.5         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 3        | 15                | 6                             | 98.76          | 3.3                | 2.6                | 2.5                |                    | 7.6                 | 11.0            | 3.4         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 4        | 7                 | 12                            | 98.76          | -4.3               | -6.9               | -5.3               | -4.8               | 0.8                 | 5.0             | 4.2         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 4        | 10                | 9                             | 98.76          | -1.9               | -2.7               | -2.6               | -2.3               | 3.7                 | 8.0             | 4.3         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 4        | 12                | 7                             | 98.76          | 0.1                | -0.6               | -0.5               | 0.3                | 5.9                 | 10.0            | 4.1         |
|                 | HT/VHT20 Beam Forming, M24 to M31   | 4        | 14                | 6                             | 98.76          | 2.2                | 2.0                | 1.8                | 2.0                | 8.1                 | 11.0            | 2.9         |
|                 | HT/VHT20 STBC, M0 to M7             | 2        | 16                | 6                             | 98.76          | 3.9                | 3.7                |                    |                    | 6.9                 | 11.0            | 4.1         |
|                 | HT/VHT20 STBC, M0 to M7             | 3        | 15                | 8                             | 98.76          | 3.3                | 2.6                | 2.5                |                    | 7.6                 | 9.0             | 1.4         |
|                 | HT/VHT20 STBC, M0 to M7             | 4        | 13                | 9                             | 98.76          | 0.6                | 0.6                | 0.8                | 1.4                | 6.9                 | 8.0             | 1.1         |

|      |                                  |          |           |          |              |            |            |            |            |            |            |            |
|------|----------------------------------|----------|-----------|----------|--------------|------------|------------|------------|------------|------------|------------|------------|
|      | HE20, M0 to M9 1ss               | 1        | 16        | 6        | 98.45        | 4.6        |            |            |            | 4.7        | 11.0       | 6.3        |
|      | HE20, M0 to M9 1ss               | 2        | 15        | 9        | 98.45        | 3.9        | 4.6        |            |            | 7.3        | 8.0        | 0.7        |
|      | HE20, M0 to M9 2ss               | 2        | 15        | 6        | 98.45        | 3.9        | 4.6        |            |            | 7.3        | 11.0       | 3.7        |
|      | HE20, M0 to M9 1ss               | 3        | 12        | 11       | 98.45        | 1.0        | 1.1        | 1.1        |            | 5.9        | 6.0        | 0.1        |
|      | HE20, M0 to M9 2ss               | 3        | 15        | 8        | 98.45        | 3.9        | 4.6        | 3.1        |            | 8.8        | 9.0        | 0.2        |
|      | HE20, M0 to M9 3ss               | 3        | 15        | 6        | 98.45        | 3.9        | 4.6        | 3.1        |            | 8.8        | 11.0       | 2.2        |
|      | HE20, M0 to M9 1ss               | 4        | 9         | 12       | 98.45        | -1.6       | -0.6       | -1.2       | -2.1       | 4.8        | 5.0        | 0.2        |
|      | <b>HE20, M0 to M9 2ss</b>        | <b>4</b> | <b>13</b> | <b>9</b> | <b>98.45</b> | <b>1.8</b> | <b>2.1</b> | <b>1.5</b> | <b>2.1</b> | <b>8.0</b> | <b>8.0</b> | <b>0.0</b> |
|      | HE20, M0 to M9 3ss               | 4        | 14        | 7        | 98.45        | 2.9        | 3.0        | 2.1        | 3.1        | 8.9        | 10.0       | 1.1        |
|      | HE20, M0 to M9 4ss               | 4        | 14        | 6        | 98.45        | 2.9        | 3.0        | 2.1        | 3.1        | 8.9        | 11.0       | 2.1        |
|      | HE20 Beam Forming, M0 to M9 1ss  | 2        | 13        | 9        | 98.45        | 1.8        | 2.1        |            |            | 5.0        | 8.0        | 3.0        |
|      | HE20 Beam Forming, M0 to M9 2ss  | 2        | 15        | 6        | 98.45        | 3.9        | 4.6        |            |            | 7.3        | 11.0       | 3.7        |
|      | HE20 Beam Forming, M0 to M9 1ss  | 3        | 10        | 11       | 98.45        | -1.1       | -1.0       | -1.2       |            | 3.7        | 6.0        | 2.3        |
|      | HE20 Beam Forming, M0 to M9 2ss  | 3        | 13        | 8        | 98.45        | 1.8        | 2.1        | 1.5        |            | 6.6        | 9.0        | 2.4        |
|      | HE20 Beam Forming, M0 to M9 3ss  | 3        | 15        | 6        | 98.45        | 3.9        | 4.6        | 3.1        |            | 8.8        | 11.0       | 2.2        |
|      | HE20 Beam Forming, M0 to M9 1ss  | 4        | 7         | 12       | 98.45        | -3.7       | -2.9       | -3.4       | -3.9       | 2.6        | 5.0        | 2.4        |
|      | HE20 Beam Forming, M0 to M9 2ss  | 4        | 10        | 9        | 98.45        | -1.1       | -1.0       | -1.2       | -0.5       | 5.1        | 8.0        | 2.9        |
|      | HE20 Beam Forming, M0 to M9 3ss  | 4        | 12        | 7        | 98.45        | 1.0        | 1.1        | 1.1        | 0.9        | 7.1        | 10.0       | 2.9        |
|      | HE20 Beam Forming, M0 to M9 4ss  | 4        | 14        | 6        | 98.45        | 2.9        | 3.0        | 2.1        | 3.1        | 8.9        | 11.0       | 2.1        |
|      | HE20 STBC, M0 to M9 2ss          | 2        | 15        | 6        | 98.45        | 3.9        | 4.6        |            |            | 7.3        | 11.0       | 3.7        |
|      | HE20 STBC, M0 to M9 2ss          | 3        | 15        | 8        | 98.45        | 3.9        | 4.6        | 3.1        |            | 8.8        | 9.0        | 0.2        |
|      | HE20 STBC, M0 to M9 2ss          | 4        | 13        | 9        | 98.45        | 1.8        | 2.1        | 1.5        | 2.1        | 8.0        | 8.0        | 0.0        |
|      |                                  |          |           |          |              |            |            |            |            |            |            |            |
| 5510 | Non HT40, 6 to 54 Mbps           | 1        | 13        | 6        | 98.88        | -1.6       |            |            |            | -1.6       | 11.0       | 12.6       |
|      | Non HT40, 6 to 54 Mbps           | 2        | 13        | 9        | 98.88        | -1.6       | -0.4       |            |            | 2.1        | 8.0        | 5.9        |
|      | Non HT40, 6 to 54 Mbps           | 3        | 13        | 11       | 98.88        | -1.6       | -0.4       | -1.4       |            | 3.7        | 6.0        | 2.3        |
|      | Non HT40, 6 to 54 Mbps           | 4        | 12        | 12       | 98.88        | -2.4       | -1.8       | -2.2       | -1.6       | 4.1        | 5.0        | 0.9        |
|      | HT/VHT40, M0 to M7               | 1        | 15        | 6        | 97.50        | 0.2        |            |            |            | 0.3        | 11.0       | 10.7       |
|      | HT/VHT40, M0 to M7               | 2        | 14        | 9        | 97.50        | -0.9       | -1.0       |            |            | 2.2        | 8.0        | 5.8        |
|      | HT/VHT40, M8 to M15              | 2        | 14        | 6        | 97.50        | -0.9       | -1.0       |            |            | 2.2        | 11.0       | 8.8        |
|      | HT/VHT40, M0 to M7               | 3        | 14        | 11       | 97.50        | -0.9       | -1.0       | -1.6       |            | 3.7        | 6.0        | 2.3        |
|      | HT/VHT40, M8 to M15              | 3        | 14        | 8        | 97.50        | -0.9       | -1.0       | -1.6       |            | 3.7        | 9.0        | 5.3        |
|      | HT/VHT40, M16 to M23             | 3        | 14        | 6        | 97.50        | -0.9       | -1.0       | -1.6       |            | 3.7        | 11.0       | 7.3        |
|      | HT/VHT40, M0 to M7               | 4        | 13        | 12       | 97.50        | -2.0       | -2.0       | -2.2       | -1.6       | 4.2        | 5.0        | 0.8        |
|      | HT/VHT40, M8 to M15              | 4        | 14        | 9        | 97.50        | -0.9       | -1.0       | -1.6       | -1.0       | 5.0        | 8.0        | 3.0        |
|      | HT/VHT40, M16 to M23             | 4        | 14        | 7        | 97.50        | -0.9       | -1.0       | -1.6       | -1.0       | 5.0        | 10.0       | 5.0        |
|      | HT/VHT40, M24 to M31             | 4        | 14        | 6        | 97.50        | -0.9       | -1.0       | -1.6       | -1.0       | 5.0        | 11.0       | 6.0        |
|      | HT/VHT40 Beam Forming, M0 to M7  | 2        | 13        | 9        | 97.50        | -2.0       | -2.0       |            |            | 1.1        | 8.0        | 6.9        |
|      | HT/VHT40 Beam Forming, M8 to M15 | 2        | 14        | 6        | 97.50        | -0.9       | -1.0       |            |            | 2.2        | 11.0       | 8.8        |
|      | HT/VHT40 Beam Forming, M0 to M7  | 3        | 10        | 11       | 97.50        | -4.9       | -4.9       | -5.3       |            | -0.1       | 6.0        | 6.1        |
|      | HT/VHT40 Beam Forming, M8 to M15 | 3        | 13        | 8        | 97.50        | -2.0       | -2.0       | -2.2       |            | 2.8        | 9.0        | 6.2        |

|      |                                   |   |    |    |       |      |      |      |      |      |      |      |
|------|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|------|
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 14 | 6  | 97.50 | -0.9 | -1.0 | -1.6 |      | 3.7  | 11.0 | 7.3  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 7  | 12 | 97.50 | -7.3 | -8.2 | -8.5 | -7.0 | -1.6 | 5.0  | 6.6  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 10 | 9  | 97.50 | -4.9 | -4.9 | -5.3 | -4.8 | 1.2  | 8.0  | 6.8  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 12 | 7  | 97.50 | -3.2 | -2.9 | -3.1 | -2.9 | 3.1  | 10.0 | 6.9  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 14 | 6  | 97.50 | -0.9 | -1.0 | -1.6 | -1.0 | 5.0  | 11.0 | 6.0  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 14 | 6  | 97.50 | -0.9 | -1.0 |      |      | 2.2  | 11.0 | 8.8  |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 14 | 8  | 97.50 | -0.9 | -1.0 | -1.6 |      | 3.7  | 9.0  | 5.3  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 14 | 9  | 97.50 | -0.9 | -1.0 | -1.6 | -1.0 | 5.0  | 8.0  | 3.0  |
|      | HE40, M0 to M9 1ss                | 1 | 12 | 6  | 97.16 | -3.4 |      |      |      | -3.3 | 11.0 | 14.3 |
|      | HE40, M0 to M9 1ss                | 2 | 12 | 9  | 97.16 | -3.4 | -2.8 |      |      | 0.1  | 8.0  | 7.9  |
|      | HE40, M0 to M9 2ss                | 2 | 12 | 6  | 97.16 | -3.4 | -2.8 |      |      | 0.1  | 11.0 | 10.9 |
|      | HE40, M0 to M9 1ss                | 3 | 12 | 11 | 97.16 | -3.4 | -2.8 | -3.3 |      | 1.7  | 6.0  | 4.3  |
|      | HE40, M0 to M9 2ss                | 3 | 12 | 8  | 97.16 | -3.4 | -2.8 | -3.3 |      | 1.7  | 9.0  | 7.3  |
|      | HE40, M0 to M9 3ss                | 3 | 12 | 6  | 97.16 | -3.4 | -2.8 | -3.3 |      | 1.7  | 11.0 | 9.3  |
|      | HE40, M0 to M9 1ss                | 4 | 12 | 12 | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 5.0  | 1.9  |
|      | HE40, M0 to M9 2ss                | 4 | 12 | 9  | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 8.0  | 4.9  |
|      | HE40, M0 to M9 3ss                | 4 | 12 | 7  | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 10.0 | 6.9  |
|      | HE40, M0 to M9 4ss                | 4 | 12 | 6  | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 11.0 | 7.9  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 12 | 9  | 97.16 | -3.4 | -2.8 |      |      | 0.1  | 8.0  | 7.9  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 12 | 6  | 97.16 | -3.4 | -2.8 |      |      | 0.1  | 11.0 | 10.9 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | 97.16 | -6.1 | -4.5 | -4.8 |      | -0.2 | 6.0  | 6.2  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 12 | 8  | 97.16 | -3.4 | -2.8 | -3.3 |      | 1.7  | 9.0  | 7.3  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 12 | 6  | 97.16 | -3.4 | -2.8 | -3.3 |      | 1.7  | 11.0 | 9.3  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | 97.16 | -9.3 | -7.3 | -6.8 | -8.4 | -1.7 | 5.0  | 6.7  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | 97.16 | -6.1 | -4.5 | -4.8 | -4.4 | 1.3  | 8.0  | 6.7  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 10.0 | 6.9  |
|      | HE40 Beam Forming, M0 to M9 4ss   | 4 | 12 | 6  | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 11.0 | 7.9  |
|      | HE40 STBC, M0 to M9 2ss           | 2 | 12 | 6  | 97.16 | -3.4 | -2.8 |      |      | 0.1  | 11.0 | 10.9 |
|      | HE40 STBC, M0 to M9 2ss           | 3 | 12 | 8  | 97.16 | -3.4 | -2.8 | -3.3 |      | 1.7  | 9.0  | 7.3  |
|      | HE40 STBC, M0 to M9 2ss           | 4 | 12 | 9  | 97.16 | -3.4 | -2.8 | -3.3 | -2.8 | 3.1  | 8.0  | 4.9  |
| 5530 |                                   |   |    |    |       |      |      |      |      |      |      |      |
|      | Non HT80, 6 to 54 Mbps            | 1 | 13 | 6  | 98.97 | -4.5 |      |      |      | -4.5 | 11.0 | 15.5 |
|      | Non HT80, 6 to 54 Mbps            | 2 | 13 | 9  | 98.97 | -4.5 | -4.0 |      |      | -1.2 | 8.0  | 9.2  |
|      | Non HT80, 6 to 54 Mbps            | 3 | 13 | 11 | 98.97 | -4.5 | -4.0 | -4.2 |      | 0.6  | 6.0  | 5.4  |
|      | Non HT80, 6 to 54 Mbps            | 4 | 12 | 12 | 98.97 | -5.2 | -4.8 | -4.9 | -4.6 | 1.2  | 5.0  | 3.8  |
|      | VHT80, M0 to M9 1ss               | 1 | 14 | 6  | 95.15 | -4.4 |      |      |      | -4.2 | 11.0 | 15.2 |
|      | VHT80, M0 to M9 1ss               | 2 | 13 | 9  | 95.15 | -5.5 | -5.2 |      |      | -2.1 | 8.0  | 10.1 |
|      | VHT80, M0 to M9 2ss               | 2 | 13 | 6  | 95.15 | -5.5 | -5.2 |      |      | -2.1 | 11.0 | 13.1 |
|      | VHT80, M0 to M9 1ss               | 3 | 13 | 11 | 95.15 | -5.5 | -5.2 | -5.5 |      | -0.4 | 6.0  | 6.4  |
|      | VHT80, M0 to M9 2ss               | 3 | 13 | 8  | 95.15 | -5.5 | -5.2 | -5.5 |      | -0.4 | 9.0  | 9.4  |
|      | VHT80, M0 to M9 3ss               | 3 | 13 | 6  | 95.15 | -5.5 | -5.2 | -5.5 |      | -0.4 | 11.0 | 11.4 |

|      |                                  |   |    |    |       |       |       |       |       |      |      |      |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|------|------|------|
|      | VHT80, M0 to M9 1ss              | 4 | 13 | 12 | 95.15 | -5.5  | -5.2  | -5.5  | -5.7  | 0.8  | 5.0  | 4.2  |
|      | VHT80, M0 to M9 2ss              | 4 | 13 | 9  | 95.15 | -5.5  | -5.2  | -5.5  | -5.7  | 0.8  | 8.0  | 7.2  |
|      | VHT80, M0 to M9 3ss              | 4 | 13 | 7  | 95.15 | -5.5  | -5.2  | -5.5  | -5.7  | 0.8  | 10.0 | 9.2  |
|      | VHT80, M0 to M9 4ss              | 4 | 13 | 6  | 95.15 | -5.5  | -5.2  | -5.5  | -5.7  | 0.8  | 11.0 | 10.2 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | 95.15 | -5.5  | -5.2  |       |       | -2.1 | 8.0  | 10.1 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 13 | 6  | 95.15 | -5.5  | -5.2  |       |       | -2.1 | 11.0 | 13.1 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | 95.15 | -8.0  | -7.5  | -8.1  |       | -2.9 | 6.0  | 8.9  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | 95.15 | -5.5  | -5.2  | -5.5  |       | -0.4 | 9.0  | 9.4  |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 13 | 6  | 95.15 | -5.5  | -5.2  | -5.5  |       | -0.4 | 11.0 | 11.4 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | 95.15 | -11.6 | -11.2 | -11.4 | -11.6 | -5.2 | 5.0  | 10.2 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | 95.15 | -8.0  | -7.5  | -8.1  | -8.1  | -1.7 | 8.0  | 9.7  |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | 95.15 | -6.2  | -6.3  | -6.5  | -6.2  | -0.1 | 10.0 | 10.1 |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 13 | 6  | 95.15 | -5.5  | -5.2  | -5.5  | -5.7  | 0.8  | 11.0 | 10.2 |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 13 | 6  | 95.15 | -5.5  | -5.2  |       |       | -2.1 | 11.0 | 13.1 |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 13 | 6  | 95.15 | -5.5  | -5.2  | -5.5  |       | -0.4 | 11.0 | 11.4 |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 13 | 6  | 95.15 | -5.5  | -5.2  | -5.5  | -5.7  | 0.8  | 11.0 | 10.2 |
|      | HE80, M0 to M9 1ss               | 1 | 15 | 6  | 94.41 | -2.4  |       |       |       | -2.2 | 11.0 | 13.2 |
|      | HE80, M0 to M9 1ss               | 2 | 14 | 9  | 94.41 | -4.1  | -4.2  |       |       | -0.9 | 8.0  | 8.9  |
|      | HE80, M0 to M9 2ss               | 2 | 14 | 6  | 94.41 | -4.1  | -4.2  |       |       | -0.9 | 11.0 | 11.9 |
|      | HE80, M0 to M9 1ss               | 3 | 14 | 11 | 94.41 | -4.1  | -4.2  | -4.0  |       | 0.9  | 6.0  | 5.1  |
|      | HE80, M0 to M9 2ss               | 3 | 14 | 8  | 94.41 | -4.1  | -4.2  | -4.0  |       | 0.9  | 9.0  | 8.1  |
|      | HE80, M0 to M9 3ss               | 3 | 14 | 6  | 94.41 | -4.1  | -4.2  | -4.0  |       | 0.9  | 11.0 | 10.1 |
|      | HE80, M0 to M9 1ss               | 4 | 14 | 12 | 94.41 | -4.1  | -4.2  | -4.0  | -4.7  | 2.0  | 5.0  | 3.0  |
|      | HE80, M0 to M9 2ss               | 4 | 14 | 9  | 94.41 | -4.1  | -4.2  | -4.0  | -4.7  | 2.0  | 8.0  | 6.0  |
|      | HE80, M0 to M9 3ss               | 4 | 14 | 7  | 94.41 | -4.1  | -4.2  | -4.0  | -4.7  | 2.0  | 10.0 | 8.0  |
|      | HE80, M0 to M9 4ss               | 4 | 14 | 6  | 94.41 | -4.1  | -4.2  | -4.0  | -4.7  | 2.0  | 11.0 | 9.0  |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 12 | 9  | 94.41 | -5.8  | -6.0  |       |       | -2.6 | 8.0  | 10.6 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | 94.41 | -4.1  | -4.2  |       |       | -0.9 | 11.0 | 11.9 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | 94.41 | -8.3  | -7.9  | -7.8  |       | -3.0 | 6.0  | 9.0  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | 94.41 | -4.5  | -5.0  | -5.0  |       | 0.2  | 9.0  | 8.8  |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | 94.41 | -4.1  | -4.2  | -4.0  |       | 0.9  | 11.0 | 10.1 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | 94.41 | -11.2 | -11.2 | -11.6 | -11.8 | -5.2 | 5.0  | 10.2 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | 94.41 | -8.3  | -7.9  | -7.8  | -8.4  | -1.8 | 8.0  | 9.8  |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | 94.41 | -5.8  | -6.0  | -6.1  | -6.7  | 0.1  | 10.0 | 9.9  |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | 94.41 | -4.1  | -4.2  | -4.0  | -4.7  | 2.0  | 11.0 | 9.0  |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 14 | 6  | 94.41 | -4.1  | -4.2  |       |       | -0.9 | 11.0 | 11.9 |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 14 | 6  | 94.41 | -4.1  | -4.2  | -4.0  |       | 0.9  | 11.0 | 10.1 |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | 94.41 | -4.1  | -4.2  | -4.0  | -4.7  | 2.0  | 11.0 | 9.0  |
| 5550 |                                  |   |    |    |       |       |       |       |       |      |      |      |
|      | Non HT40, 6 to 54 Mbps           | 1 | 17 | 6  | 98.88 | 2.7   |       |       |       | 2.8  | 11.0 | 8.3  |
| 5550 |                                  |   |    |    |       |       |       |       |       |      |      |      |
|      | Non HT40, 6 to 54 Mbps           | 2 | 17 | 9  | 98.88 | 2.7   | 3.5   |       |       | 6.2  | 8.0  | 1.8  |

|                                   |   |    |    |       |      |      |      |      |      |      |     |
|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
| Non HT40, 6 to 54 Mbps            | 3 | 15 | 11 | 98.88 | 0.2  | 1.0  | 0.6  |      | 5.4  | 6.0  | 0.6 |
| Non HT40, 6 to 54 Mbps            | 4 | 13 | 12 | 98.88 | -2.2 | -0.9 | -1.5 | -1.1 | 4.7  | 5.0  | 0.3 |
| HT/VHT40, M0 to M7                | 1 | 17 | 6  | 97.50 | 2.5  |      |      |      | 2.6  | 11.0 | 8.4 |
| HT/VHT40, M0 to M7                | 2 | 17 | 9  | 97.50 | 2.5  | 2.7  |      |      | 5.7  | 8.0  | 2.3 |
| HT/VHT40, M8 to M15               | 2 | 17 | 6  | 97.50 | 2.5  | 2.7  |      |      | 5.7  | 11.0 | 5.3 |
| HT/VHT40, M0 to M7                | 3 | 16 | 11 | 97.50 | 1.4  | 1.3  | 0.6  |      | 6.0  | 6.0  | 0.0 |
| HT/VHT40, M8 to M15               | 3 | 16 | 8  | 97.50 | 1.4  | 1.3  | 0.6  |      | 6.0  | 9.0  | 3.0 |
| HT/VHT40, M16 to M23              | 3 | 16 | 6  | 97.50 | 1.4  | 1.3  | 0.6  |      | 6.0  | 11.0 | 5.0 |
| HT/VHT40, M0 to M7                | 4 | 13 | 12 | 97.50 | -1.7 | -1.5 | -2.1 | -1.8 | 4.4  | 5.0  | 0.6 |
| HT/VHT40, M8 to M15               | 4 | 15 | 9  | 97.50 | 0.4  | 0.7  | 0.1  | 0.5  | 6.6  | 8.0  | 1.4 |
| HT/VHT40, M16 to M23              | 4 | 15 | 7  | 97.50 | 0.4  | 0.7  | 0.1  | 0.5  | 6.6  | 10.0 | 3.4 |
| HT/VHT40, M24 to M31              | 4 | 15 | 6  | 97.50 | 0.4  | 0.7  | 0.1  | 0.5  | 6.6  | 11.0 | 4.4 |
| HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | 97.50 | -0.7 | -0.9 |      |      | 2.3  | 8.0  | 5.7 |
| HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | 97.50 | 2.5  | 2.7  |      |      | 5.7  | 11.0 | 5.3 |
| HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | 97.50 | -3.7 | -3.6 | -4.0 |      | 1.1  | 6.0  | 4.9 |
| HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | 97.50 | -0.7 | -0.9 | -0.8 |      | 4.1  | 9.0  | 4.9 |
| HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | 97.50 | 1.4  | 1.3  | 0.6  |      | 6.0  | 11.0 | 5.0 |
| HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | 97.50 | -7.1 | -6.9 | -6.2 | -7.0 | -0.7 | 5.0  | 5.7 |
| HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | 97.50 | -3.7 | -3.6 | -4.0 | -3.5 | 2.4  | 8.0  | 5.6 |
| HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | 97.50 | -1.7 | -1.5 | -2.1 | -1.8 | 4.4  | 10.0 | 5.6 |
| HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | 97.50 | 0.4  | 0.7  | 0.1  | 0.5  | 6.6  | 11.0 | 4.4 |
| HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | 97.50 | 2.5  | 2.7  |      |      | 5.7  | 11.0 | 5.3 |
| HT/VHT40 STBC, M0 to M7           | 3 | 16 | 8  | 97.50 | 1.4  | 1.3  | 0.6  |      | 6.0  | 9.0  | 3.0 |
| HT/VHT40 STBC, M0 to M7           | 4 | 15 | 9  | 97.50 | 0.4  | 0.7  | 0.1  | 0.5  | 6.6  | 8.0  | 1.4 |
| HE40, M0 to M9 1ss                | 1 | 17 | 6  | 97.16 | 1.5  |      |      |      | 1.6  | 11.0 | 9.4 |
| HE40, M0 to M9 1ss                | 2 | 17 | 9  | 97.16 | 1.5  | 2.4  |      |      | 5.1  | 8.0  | 2.9 |
| HE40, M0 to M9 2ss                | 2 | 17 | 6  | 97.16 | 1.5  | 2.4  |      |      | 5.1  | 11.0 | 5.9 |
| HE40, M0 to M9 1ss                | 3 | 16 | 11 | 97.16 | 0.4  | 1.4  | 0.3  |      | 5.6  | 6.0  | 0.4 |
| HE40, M0 to M9 2ss                | 3 | 16 | 8  | 97.16 | 0.4  | 1.4  | 0.3  |      | 5.6  | 9.0  | 3.4 |
| HE40, M0 to M9 3ss                | 3 | 16 | 6  | 97.16 | 0.4  | 1.4  | 0.3  |      | 5.6  | 11.0 | 5.4 |
| HE40, M0 to M9 1ss                | 4 | 14 | 12 | 97.16 | -2.3 | -1.0 | -1.1 | -0.8 | 4.9  | 5.0  | 0.1 |
| HE40, M0 to M9 2ss                | 4 | 15 | 9  | 97.16 | -1.0 | 0.2  | -0.6 | 0.0  | 5.8  | 8.0  | 2.2 |
| HE40, M0 to M9 3ss                | 4 | 15 | 7  | 97.16 | -1.0 | 0.2  | -0.6 | 0.0  | 5.8  | 10.0 | 4.2 |
| HE40, M0 to M9 4ss                | 4 | 15 | 6  | 97.16 | -1.0 | 0.2  | -0.6 | 0.0  | 5.8  | 11.0 | 5.2 |
| HE40 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | 97.16 | -2.3 | -1.0 |      |      | 1.5  | 8.0  | 6.5 |
| HE40 Beam Forming, M0 to M9 2ss   | 2 | 17 | 6  | 97.16 | 1.5  | 2.4  |      |      | 5.1  | 11.0 | 5.9 |
| HE40 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | 97.16 | -4.7 | -3.6 | -3.8 |      | 0.9  | 6.0  | 5.1 |
| HE40 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | 97.16 | -2.3 | -1.0 | -1.1 |      | 3.5  | 9.0  | 5.5 |
| HE40 Beam Forming, M0 to M9 3ss   | 3 | 16 | 6  | 97.16 | 0.4  | 1.4  | 0.3  |      | 5.6  | 11.0 | 5.4 |
| HE40 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | 97.16 | -8.3 | -7.6 | -7.4 | -6.4 | -1.2 | 5.0  | 6.2 |
| HE40 Beam Forming, M0 to M9 2ss   | 4 | 11 | 9  | 97.16 | -4.7 | -3.6 | -3.8 | -3.8 | 2.2  | 8.0  | 5.8 |

|      |                                     |   |    |    |       |      |      |      |      |     |      |     |
|------|-------------------------------------|---|----|----|-------|------|------|------|------|-----|------|-----|
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | 97.16 | -2.9 | -1.6 | -2.0 | -1.9 | 4.1 | 10.0 | 5.9 |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | 97.16 | -1.0 | 0.2  | -0.6 | 0.0  | 5.8 | 11.0 | 5.2 |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | 97.16 | 1.5  | 2.4  |      |      | 5.1 | 11.0 | 5.9 |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 8  | 97.16 | 0.4  | 1.4  | 0.3  |      | 5.6 | 9.0  | 3.4 |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 9  | 97.16 | -1.0 | 0.2  | -0.6 | 0.0  | 5.8 | 8.0  | 2.2 |
|      |                                     |   |    |    |       |      |      |      |      |     |      |     |
| 5560 | Non HT20, 6 to 54 Mbps              | 1 | 17 | 6  | 98.96 | 5.8  |      |      |      | 5.9 | 11.0 | 5.2 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 9  | 98.96 | 3.6  | 4.3  |      |      | 7.0 | 8.0  | 1.0 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 11 | 98.96 | 0.4  | 1.4  | 0.5  |      | 5.6 | 6.0  | 0.4 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 12 | 98.96 | -1.8 | -1.0 | -1.2 | -1.2 | 4.8 | 5.0  | 0.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | 98.96 | 2.3  | 3.5  |      |      | 6.0 | 8.0  | 2.0 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | 98.96 | -0.6 | 0.2  | -0.5 |      | 4.5 | 6.0  | 1.5 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | 98.96 | -3.3 | -2.3 | -3.8 | -2.8 | 3.1 | 5.0  | 1.9 |
|      | HT/VHT20, M0 to M7                  | 1 | 17 | 6  | 98.76 | 5.3  |      |      |      | 5.4 | 11.0 | 5.7 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 9  | 98.76 | 4.4  | 3.6  |      |      | 7.1 | 8.0  | 0.9 |
|      | HT/VHT20, M8 to M15                 | 2 | 17 | 6  | 98.76 | 5.3  | 4.7  |      |      | 8.1 | 11.0 | 2.9 |
|      | HT/VHT20, M0 to M7                  | 3 | 13 | 11 | 98.76 | 1.0  | 0.8  | 1.0  |      | 5.8 | 6.0  | 0.2 |
|      | HT/VHT20, M8 to M15                 | 3 | 16 | 8  | 98.76 | 4.4  | 3.6  | 3.9  |      | 8.8 | 9.0  | 0.2 |
|      | HT/VHT20, M16 to M23                | 3 | 16 | 6  | 98.76 | 4.4  | 3.6  | 3.9  |      | 8.8 | 11.0 | 2.2 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 12 | 98.76 | -1.4 | -2.2 | -1.7 | -1.8 | 4.3 | 5.0  | 0.7 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 9  | 98.76 | 1.0  | 0.8  | 1.0  | 1.4  | 7.1 | 8.0  | 0.9 |
|      | HT/VHT20, M16 to M23                | 4 | 15 | 7  | 98.76 | 3.3  | 2.7  | 3.2  | 3.1  | 9.2 | 10.0 | 0.8 |
|      | HT/VHT20, M24 to M31                | 4 | 15 | 6  | 98.76 | 3.3  | 2.7  | 3.2  | 3.1  | 9.2 | 11.0 | 1.8 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | 98.76 | 1.9  | 2.0  |      |      | 5.0 | 8.0  | 3.0 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 17 | 6  | 98.76 | 5.3  | 4.7  |      |      | 8.1 | 11.0 | 2.9 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | 98.76 | -1.0 | -1.3 | -0.8 |      | 3.8 | 6.0  | 2.2 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | 98.76 | 1.9  | 2.0  | 1.8  |      | 6.7 | 9.0  | 2.3 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 16 | 6  | 98.76 | 4.4  | 3.6  | 3.9  |      | 8.8 | 11.0 | 2.2 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | 98.76 | -3.4 | -5.2 | -3.1 | -4.0 | 2.2 | 5.0  | 2.8 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | 98.76 | -1.0 | -1.3 | -0.8 | -0.7 | 5.1 | 8.0  | 2.9 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | 98.76 | 1.0  | 0.8  | 1.0  | 1.4  | 7.1 | 10.0 | 2.9 |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 15 | 6  | 98.76 | 3.3  | 2.7  | 3.2  | 3.1  | 9.2 | 11.0 | 1.8 |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 17 | 6  | 98.76 | 5.3  | 4.7  |      |      | 8.1 | 11.0 | 2.9 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 16 | 8  | 98.76 | 4.4  | 3.6  | 3.9  |      | 8.8 | 9.0  | 0.2 |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 9  | 98.76 | 1.0  | 0.8  | 1.0  | 1.4  | 7.1 | 8.0  | 0.9 |
|      | HE20, M0 to M9 1ss                  | 1 | 17 | 6  | 98.45 | 5.8  |      |      |      | 5.9 | 11.0 | 5.1 |
|      | HE20, M0 to M9 1ss                  | 2 | 16 | 9  | 98.45 | 4.3  | 5.1  |      |      | 7.8 | 8.0  | 0.2 |
|      | HE20, M0 to M9 2ss                  | 2 | 17 | 6  | 98.45 | 5.8  | 6.2  |      |      | 9.1 | 11.0 | 1.9 |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 11 | 98.45 | 0.3  | 1.2  | 0.8  |      | 5.6 | 6.0  | 0.4 |
|      | HE20, M0 to M9 2ss                  | 3 | 15 | 8  | 98.45 | 3.4  | 4.4  | 3.0  |      | 8.5 | 9.0  | 0.5 |
|      | HE20, M0 to M9 3ss                  | 3 | 16 | 6  | 98.45 | 4.3  | 5.1  | 4.0  |      | 9.3 | 11.0 | 1.7 |



|      |                                   |   |    |    |       |       |       |       |       |       |      |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|-------|------|------|
|      | HE20, M0 to M9 1ss                | 4 | 10 | 12 | 98.45 | -1.8  | -1.0  | -1.4  | -1.2  | 4.8   | 5.0  | 0.2  |
|      | HE20, M0 to M9 2ss                | 4 | 13 | 9  | 98.45 | 1.3   | 2.2   | 1.3   | 2.0   | 7.8   | 8.0  | 0.2  |
|      | HE20, M0 to M9 3ss                | 4 | 15 | 7  | 98.45 | 3.4   | 4.4   | 3.0   | 3.8   | 9.8   | 10.0 | 0.2  |
|      | HE20, M0 to M9 4ss                | 4 | 15 | 6  | 98.45 | 3.4   | 4.4   | 3.0   | 3.8   | 9.8   | 11.0 | 1.2  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | 98.45 | 2.2   | 2.9   |       |       | 5.6   | 8.0  | 2.4  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 2 | 17 | 6  | 98.45 | 5.8   | 6.2   |       |       | 9.1   | 11.0 | 1.9  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | 98.45 | -0.7  | 0.1   | -0.5  |       | 4.5   | 6.0  | 1.5  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | 98.45 | 2.2   | 2.9   | 2.1   |       | 7.3   | 9.0  | 1.7  |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3 | 16 | 6  | 98.45 | 4.3   | 5.1   | 4.0   |       | 9.3   | 11.0 | 1.7  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | 98.45 | -3.5  | -3.6  | -3.8  | -1.8  | 3.0   | 5.0  | 2.0  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4 | 11 | 9  | 98.45 | -0.7  | 0.1   | -0.5  | 0.2   | 5.9   | 8.0  | 2.1  |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4 | 13 | 7  | 98.45 | 1.3   | 2.2   | 1.3   | 2.0   | 7.8   | 10.0 | 2.2  |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4 | 15 | 6  | 98.45 | 3.4   | 4.4   | 3.0   | 3.8   | 9.8   | 11.0 | 1.2  |
|      | HE20 STBC, M0 to M9 2ss           | 2 | 17 | 6  | 98.45 | 5.8   | 6.2   |       |       | 9.1   | 11.0 | 1.9  |
|      | HE20 STBC, M0 to M9 2ss           | 3 | 15 | 8  | 98.45 | 3.4   | 4.4   | 3.0   |       | 8.5   | 9.0  | 0.5  |
|      | HE20 STBC, M0 to M9 2ss           | 4 | 13 | 9  | 98.45 | 1.3   | 2.2   | 1.3   | 2.0   | 7.8   | 8.0  | 0.2  |
|      |                                   |   |    |    |       |       |       |       |       |       |      |      |
| 5570 | Non HT160, 6 to 54 Mbps           | 1 | 13 | 6  | 98.84 | -5.3  |       |       |       | -5.3  | 11.0 | 16.3 |
|      | Non HT160, 6 to 54 Mbps           | 2 | 12 | 9  | 98.84 | -6.4  | -7.4  |       |       | -3.8  | 8.0  | 11.8 |
|      | Non HT160, 6 to 54 Mbps           | 3 | 12 | 11 | 98.84 | -6.4  | -7.4  | -7.1  |       | -2.1  | 6.0  | 8.1  |
|      | Non HT160, 6 to 54 Mbps           | 4 | 12 | 12 | 98.84 | -6.4  | -7.4  | -7.1  | -7.4  | -1.0  | 5.0  | 6.0  |
|      | VHT160, M0 to M9 1ss              | 1 | 13 | 6  | 91.37 | -7.7  |       |       |       | -7.3  | 11.0 | 18.3 |
|      | VHT160, M0 to M9 1ss              | 2 | 12 | 9  | 91.37 | -8.2  | -8.7  |       |       | -5.0  | 8.0  | 13.0 |
|      | VHT160, M0 to M9 2ss              | 2 | 12 | 6  | 91.37 | -8.2  | -8.7  |       |       | -5.0  | 11.0 | 16.0 |
|      | VHT160, M0 to M9 1ss              | 3 | 12 | 11 | 91.37 | -8.2  | -8.7  | -7.3  |       | -2.9  | 6.0  | 8.9  |
|      | VHT160, M0 to M9 2ss              | 3 | 12 | 8  | 91.37 | -8.2  | -8.7  | -7.3  |       | -2.9  | 9.0  | 11.9 |
|      | VHT160, M0 to M9 3ss              | 3 | 12 | 6  | 91.37 | -8.2  | -8.7  | -7.3  |       | -2.9  | 11.0 | 13.9 |
|      | VHT160, M0 to M9 1ss              | 4 | 9  | 12 | 91.37 | -11.6 | -11.4 | -10.0 | -11.6 | -4.7  | 5.0  | 9.7  |
|      | VHT160, M0 to M9 2ss              | 4 | 9  | 9  | 91.37 | -11.6 | -11.4 | -10.0 | -11.6 | -4.7  | 8.0  | 12.7 |
|      | VHT160, M0 to M9 3ss              | 4 | 9  | 7  | 91.37 | -11.6 | -11.4 | -10.0 | -11.6 | -4.7  | 10.0 | 14.7 |
|      | VHT160, M0 to M9 4ss              | 4 | 9  | 6  | 91.37 | -11.6 | -11.4 | -10.0 | -11.6 | -4.7  | 11.0 | 15.7 |
|      | VHT160 Beam Forming, M0 to M9 1ss | 2 | 8  | 9  | 91.37 | -12.6 | -12.7 |       |       | -9.2  | 8.0  | 17.2 |
|      | VHT160 Beam Forming, M0 to M9 2ss | 2 | 12 | 6  | 91.37 | -8.2  | -8.7  |       |       | -5.0  | 11.0 | 16.0 |
|      | VHT160 Beam Forming, M0 to M9 1ss | 3 | 5  | 11 | 91.37 | -15.9 | -15.7 | -14.1 |       | -10.0 | 6.0  | 16.0 |
|      | VHT160 Beam Forming, M0 to M9 2ss | 3 | 8  | 8  | 91.37 | -12.6 | -12.7 | -11.9 |       | -7.2  | 9.0  | 16.2 |
|      | VHT160 Beam Forming, M0 to M9 3ss | 3 | 12 | 6  | 91.37 | -8.2  | -8.7  | -7.3  |       | -2.9  | 11.0 | 13.9 |
|      | VHT160 Beam Forming, M0 to M9 1ss | 4 | 3  | 12 | 91.37 | -17.9 | -17.4 | -15.8 | -17.4 | -10.6 | 5.0  | 15.6 |
|      | VHT160 Beam Forming, M0 to M9 2ss | 4 | 7  | 9  | 91.37 | -13.6 | -13.4 | -12.4 | -12.5 | -6.5  | 8.0  | 14.5 |
|      | VHT160 Beam Forming, M0 to M9 3ss | 4 | 8  | 7  | 91.37 | -12.6 | -12.7 | -11.9 | -11.7 | -5.8  | 10.0 | 15.8 |
|      | VHT160 Beam Forming, M0 to M9 4ss | 4 | 9  | 6  | 91.37 | -11.6 | -11.4 | -10.0 | -11.6 | -4.7  | 11.0 | 15.7 |
|      | VHT160 STBC, M0 to M9 1ss         | 2 | 12 | 6  | 91.37 | -8.2  | -8.7  |       |       | -5.0  | 11.0 | 16.0 |

|      |                                  |   |    |    |       |       |       |       |       |      |      |      |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|------|------|------|
|      | VHT160 STBC, M0 to M9 1ss        | 3 | 12 | 6  | 91.37 | -8.2  | -8.7  | -7.3  |       | -2.9 | 11.0 | 13.9 |
|      | VHT160 STBC, M0 to M9 1ss        | 4 | 9  | 6  | 91.37 | -11.6 | -11.4 | -10.0 | -11.6 | -4.7 | 11.0 | 15.7 |
|      | HE160, M0 to M9 1ss              | 1 | 15 | 6  | 90.85 | -5.6  |       |       |       | -5.2 | 11.0 | 16.2 |
|      | HE160, M0 to M9 1ss              | 2 | 14 | 9  | 90.85 | -7.0  | -6.9  |       |       | -3.5 | 8.0  | 11.5 |
|      | HE160, M0 to M9 2ss              | 2 | 14 | 6  | 90.85 | -7.0  | -6.9  |       |       | -3.5 | 11.0 | 14.5 |
|      | HE160, M0 to M9 1ss              | 3 | 14 | 11 | 90.85 | -7.0  | -6.9  | -5.0  |       | -1.0 | 6.0  | 7.0  |
|      | HE160, M0 to M9 2ss              | 3 | 14 | 8  | 90.85 | -7.0  | -6.9  | -5.0  |       | -1.0 | 9.0  | 10.0 |
|      | HE160, M0 to M9 3ss              | 3 | 14 | 6  | 90.85 | -7.0  | -6.9  | -5.0  |       | -1.0 | 11.0 | 12.0 |
|      | HE160, M0 to M9 1ss              | 4 | 14 | 12 | 90.85 | -7.0  | -6.9  | -5.0  | -6.7  | 0.1  | 5.0  | 4.9  |
|      | HE160, M0 to M9 2ss              | 4 | 14 | 9  | 90.85 | -7.0  | -6.9  | -5.0  | -6.7  | 0.1  | 8.0  | 7.9  |
|      | HE160, M0 to M9 3ss              | 4 | 14 | 7  | 90.85 | -7.0  | -6.9  | -5.0  | -6.7  | 0.1  | 10.0 | 9.9  |
|      | HE160, M0 to M9 4ss              | 4 | 14 | 6  | 90.85 | -7.0  | -6.9  | -5.0  | -6.7  | 0.1  | 11.0 | 10.9 |
|      | HE160 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | 90.85 | -8.0  | -7.8  |       |       | -4.5 | 8.0  | 12.5 |
|      | HE160 Beam Forming, M0 to M9 2ss | 2 | 14 | 6  | 90.85 | -7.0  | -6.9  |       |       | -3.5 | 11.0 | 14.5 |
|      | HE160 Beam Forming, M0 to M9 1ss | 3 | 11 | 11 | 90.85 | -9.5  | -9.5  | -8.0  |       | -3.7 | 6.0  | 9.7  |
|      | HE160 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | 90.85 | -8.0  | -7.8  | -6.4  |       | -2.1 | 9.0  | 11.1 |
|      | HE160 Beam Forming, M0 to M9 3ss | 3 | 14 | 6  | 90.85 | -7.0  | -6.9  | -5.0  |       | -1.0 | 11.0 | 12.0 |
|      | HE160 Beam Forming, M0 to M9 1ss | 4 | 8  | 12 | 90.85 | -13.0 | -12.6 | -12.0 | -11.8 | -5.9 | 5.0  | 10.9 |
|      | HE160 Beam Forming, M0 to M9 2ss | 4 | 11 | 9  | 90.85 | -9.5  | -9.5  | -8.0  | -9.9  | -2.7 | 8.0  | 10.7 |
|      | HE160 Beam Forming, M0 to M9 3ss | 4 | 13 | 7  | 90.85 | -8.0  | -7.8  | -6.4  | -7.8  | -1.0 | 10.0 | 11.0 |
|      | HE160 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | 90.85 | -7.0  | -6.9  | -5.0  | -6.7  | 0.1  | 11.0 | 10.9 |
|      | HE160 STBC, M0 to M9 1ss         | 2 | 14 | 6  | 90.85 | -7.0  | -6.9  |       |       | -3.5 | 11.0 | 14.5 |
|      | HE160 STBC, M0 to M9 1ss         | 3 | 14 | 6  | 90.85 | -7.0  | -6.9  | -5.0  |       | -1.0 | 11.0 | 12.0 |
|      | HE160 STBC, M0 to M9 1ss         | 4 | 14 | 6  | 90.85 | -7.0  | -6.9  | -5.0  | -6.7  | 0.1  | 11.0 | 10.9 |
|      |                                  |   |    |    |       |       |       |       |       |      |      |      |
| 5610 | Non HT80, 6 to 54 Mbps           | 1 | 17 | 6  | 98.97 | 0.2   |       |       |       | 0.3  | 11.0 | 10.8 |
|      | Non HT80, 6 to 54 Mbps           | 2 | 17 | 9  | 98.97 | 0.2   | 0.1   |       |       | 3.2  | 8.0  | 4.8  |
|      | Non HT80, 6 to 54 Mbps           | 3 | 16 | 11 | 98.97 | -0.9  | -0.7  | -1.2  |       | 3.9  | 6.0  | 2.1  |
|      | Non HT80, 6 to 54 Mbps           | 4 | 15 | 12 | 98.97 | -2.2  | -1.8  | -2.0  | -2.1  | 4.0  | 5.0  | 1.0  |
|      | VHT80, M0 to M9 1ss              | 1 | 17 | 6  | 95.15 | -0.9  |       |       |       | -0.7 | 11.0 | 11.7 |
|      | VHT80, M0 to M9 1ss              | 2 | 17 | 9  | 95.15 | -0.9  | -1.1  |       |       | 2.2  | 8.0  | 5.8  |
|      | VHT80, M0 to M9 2ss              | 2 | 17 | 6  | 95.15 | -0.9  | -1.1  |       |       | 2.2  | 11.0 | 8.8  |
|      | VHT80, M0 to M9 1ss              | 3 | 16 | 11 | 95.15 | -1.4  | -2.3  | -2.1  |       | 3.1  | 6.0  | 2.9  |
|      | VHT80, M0 to M9 2ss              | 3 | 16 | 8  | 95.15 | -1.4  | -2.3  | -2.1  |       | 3.1  | 9.0  | 5.9  |
|      | VHT80, M0 to M9 3ss              | 3 | 16 | 6  | 95.15 | -1.4  | -2.3  | -2.1  |       | 3.1  | 11.0 | 7.9  |
|      | VHT80, M0 to M9 1ss              | 4 | 15 | 12 | 95.15 | -2.8  | -3.4  | -3.2  | -4.0  | 2.9  | 5.0  | 2.1  |
|      | VHT80, M0 to M9 2ss              | 4 | 15 | 9  | 95.15 | -2.8  | -3.4  | -3.2  | -4.0  | 2.9  | 8.0  | 5.1  |
|      | VHT80, M0 to M9 3ss              | 4 | 15 | 7  | 95.15 | -2.8  | -3.4  | -3.2  | -4.0  | 2.9  | 10.0 | 7.1  |
|      | VHT80, M0 to M9 4ss              | 4 | 15 | 6  | 95.15 | -2.8  | -3.4  | -3.2  | -4.0  | 2.9  | 11.0 | 8.1  |
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 14 | 9  | 95.15 | -3.6  | -4.1  |       |       | -0.6 | 8.0  | 8.6  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 17 | 6  | 95.15 | -0.9  | -1.1  |       |       | 2.2  | 11.0 | 8.8  |

|      |                                  |   |    |    |       |      |      |       |       |      |      |      |
|------|----------------------------------|---|----|----|-------|------|------|-------|-------|------|------|------|
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 11 | 11 | 95.15 | -6.9 | -7.2 | -7.0  |       | -2.0 | 6.0  | 8.0  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 14 | 8  | 95.15 | -3.6 | -4.1 | -4.2  |       | 1.0  | 9.0  | 8.0  |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 16 | 6  | 95.15 | -1.4 | -2.3 | -2.1  |       | 3.1  | 11.0 | 7.9  |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 8  | 12 | 95.15 | -9.7 | -9.7 | -10.4 | -10.9 | -3.9 | 5.0  | 8.9  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 11 | 9  | 95.15 | -6.9 | -7.2 | -7.0  | -7.8  | -1.0 | 8.0  | 9.0  |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 13 | 7  | 95.15 | -4.5 | -4.9 | -5.5  | -5.5  | 1.2  | 10.0 | 8.8  |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 15 | 6  | 95.15 | -2.8 | -3.4 | -3.2  | -4.0  | 2.9  | 11.0 | 8.1  |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 17 | 6  | 95.15 | -0.9 | -1.1 |       |       | 2.2  | 11.0 | 8.8  |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 16 | 6  | 95.15 | -1.4 | -2.3 | -2.1  |       | 3.1  | 11.0 | 7.9  |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 15 | 6  | 95.15 | -2.8 | -3.4 | -3.2  | -4.0  | 2.9  | 11.0 | 8.1  |
|      | HE80, M0 to M9 1ss               | 1 | 17 | 6  | 94.41 | -0.6 |      |       |       | -0.4 | 11.0 | 11.4 |
|      | HE80, M0 to M9 1ss               | 2 | 17 | 9  | 94.41 | -0.6 | -0.9 |       |       | 2.5  | 8.0  | 5.5  |
|      | HE80, M0 to M9 2ss               | 2 | 17 | 6  | 94.41 | -0.6 | -0.9 |       |       | 2.5  | 11.0 | 8.5  |
|      | HE80, M0 to M9 1ss               | 3 | 16 | 11 | 94.41 | -1.4 | -2.1 | -1.8  |       | 3.3  | 6.0  | 2.7  |
|      | HE80, M0 to M9 2ss               | 3 | 16 | 8  | 94.41 | -1.4 | -2.1 | -1.8  |       | 3.3  | 9.0  | 5.7  |
|      | HE80, M0 to M9 3ss               | 3 | 16 | 6  | 94.41 | -1.4 | -2.1 | -1.8  |       | 3.3  | 11.0 | 7.7  |
|      | HE80, M0 to M9 1ss               | 4 | 15 | 12 | 94.41 | -2.9 | -2.9 | -3.0  | -3.6  | 3.2  | 5.0  | 1.8  |
|      | HE80, M0 to M9 2ss               | 4 | 15 | 9  | 94.41 | -2.9 | -2.9 | -3.0  | -3.6  | 3.2  | 8.0  | 4.8  |
|      | HE80, M0 to M9 3ss               | 4 | 15 | 7  | 94.41 | -2.9 | -2.9 | -3.0  | -3.6  | 3.2  | 10.0 | 6.8  |
|      | HE80, M0 to M9 4ss               | 4 | 15 | 6  | 94.41 | -2.9 | -2.9 | -3.0  | -3.6  | 3.2  | 11.0 | 7.8  |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 14 | 9  | 94.41 | -3.8 | -4.0 |       |       | -0.6 | 8.0  | 8.6  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 17 | 6  | 94.41 | -0.6 | -0.9 |       |       | 2.5  | 11.0 | 8.5  |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 11 | 11 | 94.41 | -6.4 | -6.3 | -6.2  |       | -1.3 | 6.0  | 7.3  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 14 | 8  | 94.41 | -3.8 | -4.0 | -3.5  |       | 1.3  | 9.0  | 7.7  |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 16 | 6  | 94.41 | -1.4 | -2.1 | -1.8  |       | 3.3  | 11.0 | 7.7  |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 8  | 12 | 94.41 | -9.9 | -9.6 | -9.5  | -10.2 | -3.5 | 5.0  | 8.5  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 11 | 9  | 94.41 | -6.4 | -6.3 | -6.2  | -7.7  | -0.3 | 8.0  | 8.3  |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 13 | 7  | 94.41 | -4.6 | -4.6 | -4.1  | -5.8  | 1.5  | 10.0 | 8.5  |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 15 | 6  | 94.41 | -2.9 | -2.9 | -3.0  | -3.6  | 3.2  | 11.0 | 7.8  |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 17 | 6  | 94.41 | -0.6 | -0.9 |       |       | 2.5  | 11.0 | 8.5  |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 16 | 6  | 94.41 | -1.4 | -2.1 | -1.8  |       | 3.3  | 11.0 | 7.7  |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 15 | 6  | 94.41 | -2.9 | -2.9 | -3.0  | -3.6  | 3.2  | 11.0 | 7.8  |
| 5690 | Non HT80, 6 to 54 Mbps           | 1 | 16 | 6  | 98.97 | -1.1 |      |       |       | -1.1 | 11.0 | 12.1 |
|      | Non HT80, 6 to 54 Mbps           | 2 | 16 | 9  | 98.97 | -1.1 | -0.6 |       |       | 2.2  | 8.0  | 5.8  |
|      | Non HT80, 6 to 54 Mbps           | 3 | 15 | 11 | 98.97 | -2.0 | -1.5 | -2.3  |       | 2.9  | 6.0  | 3.1  |
|      | Non HT80, 6 to 54 Mbps           | 4 | 14 | 12 | 98.97 | -3.0 | -2.8 | -2.8  | -2.8  | 3.2  | 5.0  | 1.8  |
|      | VHT80, M0 to M9 1ss              | 1 | 16 | 6  | 95.15 | -1.8 |      |       |       | -1.6 | 11.0 | 12.6 |
|      | VHT80, M0 to M9 1ss              | 2 | 16 | 9  | 95.15 | -1.8 | -2.0 |       |       | 1.3  | 8.0  | 6.7  |
|      | VHT80, M0 to M9 2ss              | 2 | 16 | 6  | 95.15 | -1.8 | -2.0 |       |       | 1.3  | 11.0 | 9.7  |
|      | VHT80, M0 to M9 1ss              | 3 | 15 | 11 | 95.15 | -2.7 | -3.3 | -3.7  |       | 1.8  | 6.0  | 4.2  |

|                                  |   |    |    |       |       |       |       |       |      |      |      |
|----------------------------------|---|----|----|-------|-------|-------|-------|-------|------|------|------|
| VHT80, M0 to M9 2ss              | 3 | 15 | 8  | 95.15 | -2.7  | -3.3  | -3.7  |       | 1.8  | 9.0  | 7.2  |
| VHT80, M0 to M9 3ss              | 3 | 15 | 6  | 95.15 | -2.7  | -3.3  | -3.7  |       | 1.8  | 11.0 | 9.2  |
| VHT80, M0 to M9 1ss              | 4 | 14 | 12 | 95.15 | -3.6  | -3.9  | -4.8  | -4.8  | 2.0  | 5.0  | 3.0  |
| VHT80, M0 to M9 2ss              | 4 | 14 | 9  | 95.15 | -3.6  | -3.9  | -4.8  | -4.8  | 2.0  | 8.0  | 6.0  |
| VHT80, M0 to M9 3ss              | 4 | 14 | 7  | 95.15 | -3.6  | -3.9  | -4.8  | -4.8  | 2.0  | 10.0 | 8.0  |
| VHT80, M0 to M9 4ss              | 4 | 14 | 6  | 95.15 | -3.6  | -3.9  | -4.8  | -4.8  | 2.0  | 11.0 | 9.0  |
| VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | 95.15 | -4.8  | -4.9  |       |       | -1.6 | 8.0  | 9.6  |
| VHT80 Beam Forming, M0 to M9 2ss | 2 | 16 | 6  | 95.15 | -1.8  | -2.0  |       |       | 1.3  | 11.0 | 9.7  |
| VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | 95.15 | -7.7  | -7.8  | -8.2  |       | -2.9 | 6.0  | 8.9  |
| VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | 95.15 | -4.8  | -4.9  | -5.5  |       | -0.1 | 9.0  | 9.1  |
| VHT80 Beam Forming, M0 to M9 3ss | 3 | 15 | 6  | 95.15 | -2.7  | -3.3  | -3.7  |       | 1.8  | 11.0 | 9.2  |
| VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | 95.15 | -10.6 | -10.2 | -11.7 | -11.4 | -4.7 | 5.0  | 9.7  |
| VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | 95.15 | -7.7  | -7.8  | -8.2  | -8.4  | -1.8 | 8.0  | 9.8  |
| VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | 95.15 | -5.8  | -6.0  | -6.5  | -6.4  | 0.1  | 10.0 | 9.9  |
| VHT80 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | 95.15 | -3.6  | -3.9  | -4.8  | -4.8  | 2.0  | 11.0 | 9.0  |
| VHT80 STBC, M0 to M9 1ss         | 2 | 16 | 6  | 95.15 | -1.8  | -2.0  |       |       | 1.3  | 11.0 | 9.7  |
| VHT80 STBC, M0 to M9 1ss         | 3 | 15 | 6  | 95.15 | -2.7  | -3.3  | -3.7  |       | 1.8  | 11.0 | 9.2  |
| VHT80 STBC, M0 to M9 1ss         | 4 | 14 | 6  | 95.15 | -3.6  | -3.9  | -4.8  | -4.8  | 2.0  | 11.0 | 9.0  |
| HE80, M0 to M9 1ss               | 1 | 16 | 6  | 94.41 | -1.2  |       |       |       | -1.0 | 11.0 | 12.0 |
| HE80, M0 to M9 1ss               | 2 | 16 | 9  | 94.41 | -1.2  | -1.5  |       |       | 1.9  | 8.0  | 6.1  |
| HE80, M0 to M9 2ss               | 2 | 16 | 6  | 94.41 | -1.2  | -1.5  |       |       | 1.9  | 11.0 | 9.1  |
| HE80, M0 to M9 1ss               | 3 | 15 | 11 | 94.41 | -2.0  | -2.4  | -3.1  |       | 2.5  | 6.0  | 3.5  |
| HE80, M0 to M9 2ss               | 3 | 15 | 8  | 94.41 | -2.0  | -2.4  | -3.1  |       | 2.5  | 9.0  | 6.5  |
| HE80, M0 to M9 3ss               | 3 | 15 | 6  | 94.41 | -2.0  | -2.4  | -3.1  |       | 2.5  | 11.0 | 8.5  |
| HE80, M0 to M9 1ss               | 4 | 14 | 12 | 94.41 | -3.3  | -3.8  | -4.4  | -4.6  | 2.3  | 5.0  | 2.7  |
| HE80, M0 to M9 2ss               | 4 | 14 | 9  | 94.41 | -3.3  | -3.8  | -4.4  | -4.6  | 2.3  | 8.0  | 5.7  |
| HE80, M0 to M9 3ss               | 4 | 14 | 7  | 94.41 | -3.3  | -3.8  | -4.4  | -4.6  | 2.3  | 10.0 | 7.7  |
| HE80, M0 to M9 4ss               | 4 | 14 | 6  | 94.41 | -3.3  | -3.8  | -4.4  | -4.6  | 2.3  | 11.0 | 8.7  |
| HE80 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | 94.41 | -4.4  | -4.6  |       |       | -1.2 | 8.0  | 9.2  |
| HE80 Beam Forming, M0 to M9 2ss  | 2 | 16 | 6  | 94.41 | -1.2  | -1.5  |       |       | 1.9  | 11.0 | 9.1  |
| HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | 94.41 | -7.8  | -7.5  | -6.9  |       | -2.4 | 6.0  | 8.4  |
| HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | 94.41 | -4.4  | -4.6  | -4.8  |       | 0.4  | 9.0  | 8.6  |
| HE80 Beam Forming, M0 to M9 3ss  | 3 | 15 | 6  | 94.41 | -2.0  | -2.4  | -3.1  |       | 2.5  | 11.0 | 8.5  |
| HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | 94.41 | -10.7 | -10.4 | -11.0 | -11.8 | -4.7 | 5.0  | 9.7  |
| HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | 94.41 | -7.8  | -7.5  | -6.9  | -8.3  | -1.3 | 8.0  | 9.3  |
| HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | 94.41 | -5.6  | -5.5  | -6.0  | -6.3  | 0.4  | 10.0 | 9.6  |
| HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | 94.41 | -3.3  | -3.8  | -4.4  | -4.6  | 2.3  | 11.0 | 8.7  |
| HE80 STBC, M0 to M9 1ss          | 2 | 16 | 6  | 94.41 | -1.2  | -1.5  |       |       | 1.9  | 11.0 | 9.1  |
| HE80 STBC, M0 to M9 1ss          | 3 | 15 | 6  | 94.41 | -2.0  | -2.4  | -3.1  |       | 2.5  | 11.0 | 8.5  |
| HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | 94.41 | -3.3  | -3.8  | -4.4  | -4.6  | 2.3  | 11.0 | 8.7  |
|                                  |   |    |    |       |       |       |       |       |      |      |      |

|      |                                     |   |    |    |       |      |      |      |      |     |      |     |
|------|-------------------------------------|---|----|----|-------|------|------|------|------|-----|------|-----|
| 5700 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | 98.96 | 4.3  |      |      |      | 4.4 | 11.0 | 6.7 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 9  | 98.96 | 3.2  | 4.1  |      |      | 6.7 | 8.0  | 1.3 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 11 | 98.96 | 0.5  | 0.8  | 0.7  |      | 5.5 | 6.0  | 0.5 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 12 | 98.96 | -1.8 | -1.1 | -0.9 | -1.4 | 4.8 | 5.0  | 0.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | 98.96 | 2.4  | 3.1  |      |      | 5.8 | 8.0  | 2.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | 98.96 | -0.9 | -0.3 | -0.2 |      | 4.4 | 6.0  | 1.6 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | 98.96 | -3.7 | -2.7 | -3.3 | -3.1 | 2.9 | 5.0  | 2.1 |
|      | HT/VHT20, M0 to M7                  | 1 | 15 | 6  | 98.76 | 3.8  |      |      |      | 3.9 | 11.0 | 7.2 |
|      | HT/VHT20, M0 to M7                  | 2 | 15 | 9  | 98.76 | 3.8  | 3.0  |      |      | 6.5 | 8.0  | 1.5 |
|      | HT/VHT20, M8 to M15                 | 2 | 15 | 6  | 98.76 | 3.8  | 3.0  |      |      | 6.5 | 11.0 | 4.5 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 11 | 98.76 | 1.1  | 0.1  | 0.4  |      | 5.4 | 6.0  | 0.6 |
|      | HT/VHT20, M8 to M15                 | 3 | 14 | 8  | 98.76 | 2.7  | 2.0  | 2.2  |      | 7.1 | 9.0  | 1.9 |
|      | HT/VHT20, M16 to M23                | 3 | 14 | 6  | 98.76 | 2.7  | 2.0  | 2.2  |      | 7.1 | 11.0 | 3.9 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 12 | 98.76 | -1.1 | -2.0 | -1.3 | -1.6 | 4.6 | 5.0  | 0.4 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 9  | 98.76 | 1.6  | 1.5  | 1.5  | 1.4  | 7.6 | 8.0  | 0.4 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 7  | 98.76 | 2.7  | 2.0  | 2.2  | 2.4  | 8.4 | 10.0 | 1.6 |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | 98.76 | 2.7  | 2.0  | 2.2  | 2.4  | 8.4 | 11.0 | 2.6 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | 98.76 | 2.7  | 2.0  |      |      | 5.4 | 8.0  | 2.6 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 15 | 6  | 98.76 | 3.8  | 3.0  |      |      | 6.5 | 11.0 | 4.5 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | 98.76 | -0.6 | -0.6 | -0.6 |      | 4.2 | 6.0  | 1.8 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | 98.76 | 2.7  | 2.0  | 2.2  |      | 7.1 | 9.0  | 1.9 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 14 | 6  | 98.76 | 2.7  | 2.0  | 2.2  |      | 7.1 | 11.0 | 3.9 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | 98.76 | -1.8 | -3.8 | -3.4 | -2.8 | 3.2 | 5.0  | 1.8 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | 98.76 | -0.6 | -0.6 | -0.6 | -0.7 | 5.4 | 8.0  | 2.6 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | 98.76 | 1.6  | 1.5  | 1.5  | 1.4  | 7.6 | 10.0 | 2.4 |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 14 | 6  | 98.76 | 2.7  | 2.0  | 2.2  | 2.4  | 8.4 | 11.0 | 2.6 |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 15 | 6  | 98.76 | 3.8  | 3.0  |      |      | 6.5 | 11.0 | 4.5 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 14 | 8  | 98.76 | 2.7  | 2.0  | 2.2  |      | 7.1 | 9.0  | 1.9 |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 9  | 98.76 | 1.6  | 1.5  | 1.5  | 1.4  | 7.6 | 8.0  | 0.4 |
|      | HE20, M0 to M9 1ss                  | 1 | 14 | 6  | 98.45 | 2.4  |      |      |      | 2.5 | 11.0 | 8.5 |
|      | HE20, M0 to M9 1ss                  | 2 | 14 | 9  | 98.45 | 2.4  | 2.5  |      |      | 5.5 | 8.0  | 2.5 |
|      | HE20, M0 to M9 2ss                  | 2 | 14 | 6  | 98.45 | 2.4  | 2.5  |      |      | 5.5 | 11.0 | 5.5 |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 11 | 98.45 | 0.1  | 0.8  | 0.5  |      | 5.3 | 6.0  | 0.7 |
|      | HE20, M0 to M9 2ss                  | 3 | 14 | 8  | 98.45 | 2.4  | 2.5  | 2.6  |      | 7.3 | 9.0  | 1.7 |
|      | HE20, M0 to M9 3ss                  | 3 | 14 | 6  | 98.45 | 2.4  | 2.5  | 2.6  |      | 7.3 | 11.0 | 3.7 |
|      | HE20, M0 to M9 1ss                  | 4 | 10 | 12 | 98.45 | -2.2 | -1.2 | -1.0 | -1.2 | 4.7 | 5.0  | 0.3 |
|      | HE20, M0 to M9 2ss                  | 4 | 13 | 9  | 98.45 | 1.2  | 1.7  | 1.7  | 1.5  | 7.6 | 8.0  | 0.4 |
|      | HE20, M0 to M9 3ss                  | 4 | 13 | 7  | 98.45 | 1.2  | 1.7  | 1.7  | 1.5  | 7.6 | 10.0 | 2.4 |
|      | HE20, M0 to M9 4ss                  | 4 | 13 | 6  | 98.45 | 1.2  | 1.7  | 1.7  | 1.5  | 7.6 | 11.0 | 3.4 |
|      | HE20 Beam Forming, M0 to M9 1ss     | 2 | 14 | 9  | 98.45 | 2.4  | 2.5  |      |      | 5.5 | 8.0  | 2.5 |
|      | HE20 Beam Forming, M0 to M9 2ss     | 2 | 14 | 6  | 98.45 | 2.4  | 2.5  |      |      | 5.5 | 11.0 | 5.5 |

|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
|------|-----------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | HE20 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | 98.45 | -0.9 | -0.2 | -0.3 |      | 4.4  | 6.0  | 1.6 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | 98.45 | 2.4  | 2.5  | 2.6  |      | 7.3  | 9.0  | 1.7 |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3 | 14 | 6  | 98.45 | 2.4  | 2.5  | 2.6  |      | 7.3  | 11.0 | 3.7 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | 98.45 | -5.3 | -4.2 | -1.7 | -5.0 | 2.3  | 5.0  | 2.7 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4 | 11 | 9  | 98.45 | -0.9 | -0.2 | -0.3 | -0.4 | 5.6  | 8.0  | 2.4 |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4 | 13 | 7  | 98.45 | 1.2  | 1.7  | 1.7  | 1.5  | 7.6  | 10.0 | 2.4 |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4 | 13 | 6  | 98.45 | 1.2  | 1.7  | 1.7  | 1.5  | 7.6  | 11.0 | 3.4 |
|      | HE20 STBC, M0 to M9 2ss           | 2 | 14 | 6  | 98.45 | 2.4  | 2.5  |      |      | 5.5  | 11.0 | 5.5 |
|      | HE20 STBC, M0 to M9 2ss           | 3 | 14 | 8  | 98.45 | 2.4  | 2.5  | 2.6  |      | 7.3  | 9.0  | 1.7 |
|      | HE20 STBC, M0 to M9 2ss           | 4 | 13 | 9  | 98.45 | 1.2  | 1.7  | 1.7  | 1.5  | 7.6  | 8.0  | 0.4 |
|      |                                   |   |    |    |       |      |      |      |      |      |      |     |
| 5710 | Non HT40, 6 to 54 Mbps            | 1 | 17 | 6  | 98.88 | 3.2  |      |      |      | 3.3  | 11.0 | 7.8 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 17 | 9  | 98.88 | 3.2  | 3.4  |      |      | 6.4  | 8.0  | 1.6 |
|      | Non HT40, 6 to 54 Mbps            | 3 | 15 | 11 | 98.88 | 1.0  | 1.3  | 0.9  |      | 5.9  | 6.0  | 0.1 |
|      | Non HT40, 6 to 54 Mbps            | 4 | 12 | 12 | 98.88 | -2.2 | -2.1 | -1.7 | -1.8 | 4.1  | 5.0  | 0.9 |
|      | HT/VHT40, M0 to M7                | 1 | 17 | 6  | 97.50 | 2.1  |      |      |      | 2.2  | 11.0 | 8.8 |
|      | HT/VHT40, M0 to M7                | 2 | 17 | 9  | 97.50 | 2.1  | 2.4  |      |      | 5.4  | 8.0  | 2.6 |
|      | HT/VHT40, M8 to M15               | 2 | 17 | 6  | 97.50 | 2.1  | 2.4  |      |      | 5.4  | 11.0 | 5.6 |
|      | HT/VHT40, M0 to M7                | 3 | 15 | 11 | 97.50 | 0.5  | 0.2  | -0.1 |      | 5.1  | 6.0  | 0.9 |
|      | HT/VHT40, M8 to M15               | 3 | 16 | 8  | 97.50 | 1.3  | 0.8  | 1.3  |      | 6.0  | 9.0  | 3.0 |
|      | HT/VHT40, M16 to M23              | 3 | 16 | 6  | 97.50 | 1.3  | 0.8  | 1.3  |      | 6.0  | 11.0 | 5.0 |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 12 | 97.50 | -1.2 | -2.2 | -1.4 | -1.7 | 4.5  | 5.0  | 0.5 |
|      | HT/VHT40, M8 to M15               | 4 | 15 | 9  | 97.50 | 0.5  | 0.2  | -0.1 | 0.0  | 6.3  | 8.0  | 1.7 |
|      | HT/VHT40, M16 to M23              | 4 | 15 | 7  | 97.50 | 0.5  | 0.2  | -0.1 | 0.0  | 6.3  | 10.0 | 3.7 |
|      | HT/VHT40, M24 to M31              | 4 | 15 | 6  | 97.50 | 0.5  | 0.2  | -0.1 | 0.0  | 6.3  | 11.0 | 4.7 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | 97.50 | -0.9 | -1.0 |      |      | 2.2  | 8.0  | 5.8 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | 97.50 | 2.1  | 2.4  |      |      | 5.4  | 11.0 | 5.6 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | 97.50 | -3.4 | -3.7 | -3.5 |      | 1.3  | 6.0  | 4.7 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | 97.50 | -0.9 | -1.0 | -1.0 |      | 3.9  | 9.0  | 5.1 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | 97.50 | 1.3  | 0.8  | 1.3  |      | 6.0  | 11.0 | 5.0 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | 97.50 | -6.3 | -6.1 | -7.3 | -5.9 | -0.2 | 5.0  | 5.2 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | 97.50 | -3.4 | -3.7 | -3.5 | -3.5 | 2.6  | 8.0  | 5.4 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | 97.50 | -1.2 | -2.2 | -1.4 | -1.7 | 4.5  | 10.0 | 5.5 |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | 97.50 | 0.5  | 0.2  | -0.1 | 0.0  | 6.3  | 11.0 | 4.7 |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | 97.50 | 2.1  | 2.4  |      |      | 5.4  | 11.0 | 5.6 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 16 | 8  | 97.50 | 1.3  | 0.8  | 1.3  |      | 6.0  | 9.0  | 3.0 |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 15 | 9  | 97.50 | 0.5  | 0.2  | -0.1 | 0.0  | 6.3  | 8.0  | 1.7 |
|      | HE40, M0 to M9 1ss                | 1 | 17 | 6  | 97.16 | 1.8  |      |      |      | 1.9  | 11.0 | 9.1 |
|      | HE40, M0 to M9 1ss                | 2 | 17 | 9  | 97.16 | 1.8  | 2.2  |      |      | 5.1  | 8.0  | 2.9 |
|      | HE40, M0 to M9 2ss                | 2 | 17 | 6  | 97.16 | 1.8  | 2.2  |      |      | 5.1  | 11.0 | 5.9 |
|      | HE40, M0 to M9 1ss                | 3 | 15 | 11 | 97.16 | 0.3  | 0.6  | 0.3  |      | 5.3  | 6.0  | 0.7 |

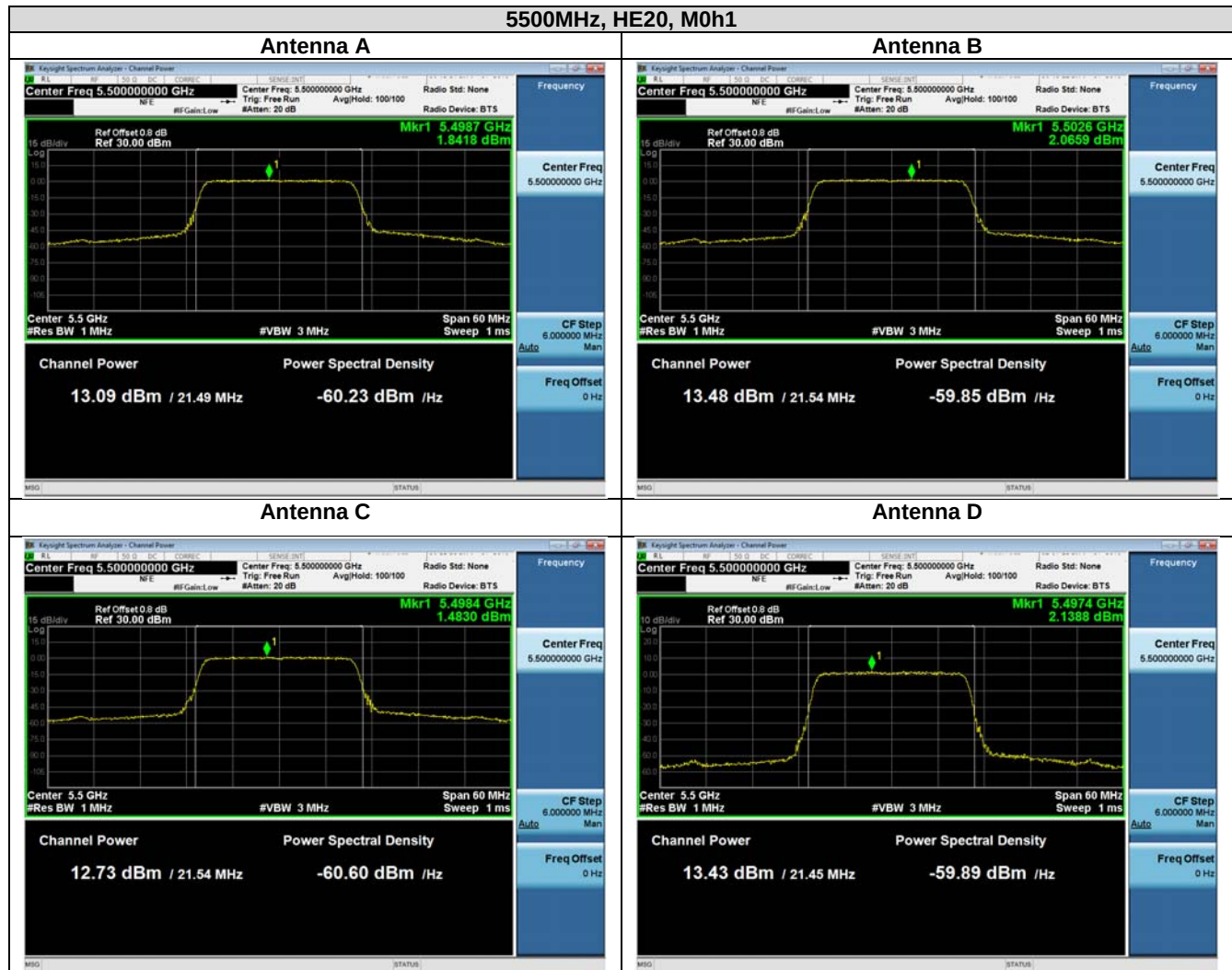
|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
|------|-------------------------------------|---|----|----|-------|------|------|------|------|------|------|-----|
|      | HE40, M0 to M9 2ss                  | 3 | 16 | 8  | 97.16 | 1.2  | 1.3  | 1.0  |      | 6.1  | 9.0  | 2.9 |
|      | HE40, M0 to M9 3ss                  | 3 | 16 | 6  | 97.16 | 1.2  | 1.3  | 1.0  |      | 6.1  | 11.0 | 4.9 |
|      | HE40, M0 to M9 1ss                  | 4 | 13 | 12 | 97.16 | -1.5 | -1.8 | -1.3 | -2.2 | 4.5  | 5.0  | 0.5 |
|      | HE40, M0 to M9 2ss                  | 4 | 15 | 9  | 97.16 | 0.3  | 0.6  | 0.3  | 0.0  | 6.5  | 8.0  | 1.5 |
|      | HE40, M0 to M9 3ss                  | 4 | 15 | 7  | 97.16 | 0.3  | 0.6  | 0.3  | 0.0  | 6.5  | 10.0 | 3.5 |
|      | HE40, M0 to M9 4ss                  | 4 | 15 | 6  | 97.16 | 0.3  | 0.6  | 0.3  | 0.0  | 6.5  | 11.0 | 4.5 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 2 | 14 | 9  | 97.16 | -1.2 | -0.6 |      |      | 2.3  | 8.0  | 5.7 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 2 | 17 | 6  | 97.16 | 1.8  | 2.2  |      |      | 5.1  | 11.0 | 5.9 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 3 | 11 | 11 | 97.16 | -4.2 | -4.0 | -3.4 |      | 1.0  | 6.0  | 5.0 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 3 | 14 | 8  | 97.16 | -1.2 | -0.6 | -0.5 |      | 4.1  | 9.0  | 4.9 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 3 | 16 | 6  | 97.16 | 1.2  | 1.3  | 1.0  |      | 6.1  | 11.0 | 4.9 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 4 | 8  | 12 | 97.16 | -7.5 | -7.8 | -5.5 | -7.6 | -0.8 | 5.0  | 5.8 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | 97.16 | -4.2 | -4.0 | -3.4 | -4.0 | 2.3  | 8.0  | 5.7 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | 97.16 | -1.5 | -1.8 | -1.3 | -2.2 | 4.5  | 10.0 | 5.5 |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | 97.16 | 0.3  | 0.6  | 0.3  | 0.0  | 6.5  | 11.0 | 4.5 |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | 97.16 | 1.8  | 2.2  |      |      | 5.1  | 11.0 | 5.9 |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 8  | 97.16 | 1.2  | 1.3  | 1.0  |      | 6.1  | 9.0  | 2.9 |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 9  | 97.16 | 0.3  | 0.6  | 0.3  | 0.0  | 6.5  | 8.0  | 1.5 |
|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
|      |                                     |   |    |    |       |      |      |      |      |      |      |     |
| 5720 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | 98.96 | 4.5  |      |      |      | 4.6  | 11.0 | 6.5 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 16 | 9  | 98.96 | 4.5  | 4.9  |      |      | 7.8  | 8.0  | 0.2 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 11 | 98.96 | 0.3  | 0.8  | 0.9  |      | 5.5  | 6.0  | 0.5 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 12 | 98.96 | -1.5 | -1.2 | -0.9 | -1.4 | 4.8  | 5.0  | 0.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 13 | 9  | 98.96 | 1.8  | 2.2  |      |      | 5.1  | 8.0  | 2.9 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 10 | 11 | 98.96 | -1.5 | -1.2 | -0.9 |      | 3.6  | 6.0  | 2.4 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 7  | 12 | 98.96 | -4.6 | -4.3 | -3.9 | -3.6 | 2.0  | 5.0  | 3.0 |
|      | HT/VHT20, M0 to M7                  | 1 | 16 | 6  | 98.76 | 4.8  |      |      |      | 4.9  | 11.0 | 6.2 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 9  | 98.76 | 4.8  | 4.4  |      |      | 7.7  | 8.0  | 0.3 |
|      | HT/VHT20, M8 to M15                 | 2 | 16 | 6  | 98.76 | 4.8  | 4.4  |      |      | 7.7  | 11.0 | 3.3 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 11 | 98.76 | 0.6  | 0.1  | 0.0  |      | 5.1  | 6.0  | 0.9 |
|      | HT/VHT20, M8 to M15                 | 3 | 15 | 8  | 98.76 | 3.5  | 3.3  | 2.8  |      | 8.0  | 9.0  | 1.0 |
|      | HT/VHT20, M16 to M23                | 3 | 15 | 6  | 98.76 | 3.5  | 3.3  | 2.8  |      | 8.0  | 11.0 | 3.0 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 12 | 98.76 | -0.9 | -1.6 | -1.1 | -1.2 | 4.9  | 5.0  | 0.1 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 9  | 98.76 | 1.7  | 1.3  | 1.1  | 1.8  | 7.6  | 8.0  | 0.4 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 7  | 98.76 | 2.7  | 2.4  | 2.0  | 2.7  | 8.5  | 10.0 | 1.5 |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | 98.76 | 2.7  | 2.4  | 2.0  | 2.7  | 8.5  | 11.0 | 2.5 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 13 | 9  | 98.76 | 1.7  | 1.3  |      |      | 4.6  | 8.0  | 3.4 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 16 | 6  | 98.76 | 4.8  | 4.4  |      |      | 7.7  | 11.0 | 3.3 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 10 | 11 | 98.76 | -0.9 | -1.6 | -1.1 |      | 3.6  | 6.0  | 2.4 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 13 | 8  | 98.76 | 1.7  | 1.3  | 1.1  |      | 6.2  | 9.0  | 2.8 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 15 | 6  | 98.76 | 3.5  | 3.3  | 2.8  |      | 8.0  | 11.0 | 3.0 |



|                                   |   |    |    |       |      |      |      |      |     |      |     |
|-----------------------------------|---|----|----|-------|------|------|------|------|-----|------|-----|
| HT/VHT20 Beam Forming, M0 to M7   | 4 | 7  | 12 | 98.76 | -5.1 | -4.5 | -5.2 | -3.5 | 1.5 | 5.0  | 3.5 |
| HT/VHT20 Beam Forming, M8 to M15  | 4 | 10 | 9  | 98.76 | -0.9 | -1.6 | -1.1 | -1.2 | 4.9 | 8.0  | 3.1 |
| HT/VHT20 Beam Forming, M16 to M23 | 4 | 12 | 7  | 98.76 | 0.6  | 0.1  | 0.0  | 0.7  | 6.4 | 10.0 | 3.6 |
| HT/VHT20 Beam Forming, M24 to M31 | 4 | 14 | 6  | 98.76 | 2.7  | 2.4  | 2.0  | 2.7  | 8.5 | 11.0 | 2.5 |
| HT/VHT20 STBC, M0 to M7           | 2 | 16 | 6  | 98.76 | 4.8  | 4.4  |      |      | 7.7 | 11.0 | 3.3 |
| HT/VHT20 STBC, M0 to M7           | 3 | 15 | 8  | 98.76 | 3.5  | 3.3  | 2.8  |      | 8.0 | 9.0  | 1.0 |
| HT/VHT20 STBC, M0 to M7           | 4 | 13 | 9  | 98.76 | 1.7  | 1.3  | 1.1  | 1.8  | 7.6 | 8.0  | 0.4 |
| HE20, M0 to M9 1ss                | 1 | 16 | 6  | 98.45 | 3.8  |      |      |      | 3.9 | 11.0 | 7.1 |
| HE20, M0 to M9 1ss                | 2 | 16 | 9  | 98.45 | 3.8  | 4.0  |      |      | 7.0 | 8.0  | 1.0 |
| HE20, M0 to M9 2ss                | 2 | 16 | 6  | 98.45 | 3.8  | 4.0  |      |      | 7.0 | 11.0 | 4.0 |
| HE20, M0 to M9 1ss                | 3 | 12 | 11 | 98.45 | 0.6  | 0.0  | 0.8  |      | 5.3 | 6.0  | 0.7 |
| HE20, M0 to M9 2ss                | 3 | 15 | 8  | 98.45 | 2.4  | 3.4  | 3.4  |      | 7.9 | 9.0  | 1.1 |
| HE20, M0 to M9 3ss                | 3 | 15 | 6  | 98.45 | 2.4  | 3.4  | 3.4  |      | 7.9 | 11.0 | 3.1 |
| HE20, M0 to M9 1ss                | 4 | 10 | 12 | 98.45 | -2.0 | -1.6 | -1.0 | -1.6 | 4.6 | 5.0  | 0.4 |
| HE20, M0 to M9 2ss                | 4 | 13 | 9  | 98.45 | 1.2  | 1.6  | 1.3  | 1.5  | 7.5 | 8.0  | 0.5 |
| HE20, M0 to M9 3ss                | 4 | 14 | 7  | 98.45 | 1.9  | 1.7  | 2.1  | 2.3  | 8.1 | 10.0 | 1.9 |
| HE20, M0 to M9 4ss                | 4 | 14 | 6  | 98.45 | 1.9  | 1.7  | 2.1  | 2.3  | 8.1 | 11.0 | 2.9 |
| HE20 Beam Forming, M0 to M9 1ss   | 2 | 13 | 9  | 98.45 | 1.2  | 1.6  |      |      | 4.5 | 8.0  | 3.5 |
| HE20 Beam Forming, M0 to M9 2ss   | 2 | 16 | 6  | 98.45 | 3.8  | 4.0  |      |      | 7.0 | 11.0 | 4.0 |
| HE20 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | 98.45 | -2.0 | -1.6 | -1.0 |      | 3.3 | 6.0  | 2.7 |
| HE20 Beam Forming, M0 to M9 2ss   | 3 | 13 | 8  | 98.45 | 1.2  | 1.6  | 1.3  |      | 6.2 | 9.0  | 2.8 |
| HE20 Beam Forming, M0 to M9 3ss   | 3 | 15 | 6  | 98.45 | 2.4  | 3.4  | 3.4  |      | 7.9 | 11.0 | 3.1 |
| HE20 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | 98.45 | -4.9 | -5.5 | -4.9 | -4.8 | 1.1 | 5.0  | 3.9 |
| HE20 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | 98.45 | -2.0 | -1.6 | -1.0 | -1.6 | 4.6 | 8.0  | 3.4 |
| HE20 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | 98.45 | 0.6  | 0.0  | 0.8  | 0.9  | 6.7 | 10.0 | 3.3 |
| HE20 Beam Forming, M0 to M9 4ss   | 4 | 14 | 6  | 98.45 | 1.9  | 1.7  | 2.1  | 2.3  | 8.1 | 11.0 | 2.9 |
| HE20 STBC, M0 to M9 2ss           | 2 | 16 | 6  | 98.45 | 3.8  | 4.0  |      |      | 7.0 | 11.0 | 4.0 |
| HE20 STBC, M0 to M9 2ss           | 3 | 15 | 8  | 98.45 | 2.4  | 3.4  | 3.4  |      | 7.9 | 9.0  | 1.1 |
| HE20 STBC, M0 to M9 2ss           | 4 | 13 | 9  | 98.45 | 1.2  | 1.6  | 1.3  | 1.5  | 7.5 | 8.0  | 0.5 |

## 5.4.5 Power Spectral Density Plots





## 5.5 Conducted Spurious Emissions

### 5.5.1 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:

**(3)** For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 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.

#### 15.205 / 15.209:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

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

$$E[\text{dB}\mu\text{V/m}] = \text{EIRP} [\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77, \text{ where } E = \text{field strength and } d = 3 \text{ meter}$$

1) Average Plot, Limit= -41.25 dBm eirp

2) Peak plot, Limit = -21.25 dBm eirp

### 5.5.2 Conducted Spurious Emissions Test Procedure

Ref. 789033 D02 General UNII Test Procedures New Rules v01r02

ANSI C63.10: 2013

|                                     |
|-------------------------------------|
| <b>Conducted Spurious Emissions</b> |
|-------------------------------------|

|                |
|----------------|
| Test Procedure |
|----------------|

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Connect the antenna port(s) to the spectrum analyzer input.</li> <li>2. Place the radio in continuous transmit mode. Use the procedures in KDB 789033 D02 General UNII Test Procedures New Rules v01r02 to substitute conducted measurements in place of radiated measurements.</li> <li>3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).</li> <li>4. Record the marker waveform peak to spur difference. Also measure any emissions in the restricted bands.</li> <li>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.</li> <li>6. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance.</li> </ol> <p>Also measure any emissions in the restricted bands</p> <ol style="list-style-type: none"> <li>7. Capture graphs and record pertinent measurement data.</li> </ol> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Ref. 789033 D02 General UNII Test Procedures New Rules v01r02

ANSI C63.10: 2013 section 12.7.7.3 and 12.7.6

|                                     |
|-------------------------------------|
| <b>Conducted Spurious Emissions</b> |
|-------------------------------------|

|                 |
|-----------------|
| Test parameters |
|-----------------|

|                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Span = 30MHz to 18GHz / 18GHz to 40GHz</p> <p>RBW = 1 MHz</p> <p>VBW <math>\geq</math> 3 MHz for Peak, 1kHz for Average</p> <p>Sweep = Auto couple</p> <p>Detector = Peak</p> <p>Trace = Max Hold.</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 5.5.3 Conducted Spurious Emissions Test Information

#### Samples, Systems, and Modes

| System Number | Description | Samples | System under test                   | Support equipment                   |
|---------------|-------------|---------|-------------------------------------|-------------------------------------|
| 1             | EUT         | S01     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|               | Support     | S02     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Tested By:<br>Julian Land | Date of testing:<br>March 12, 2019 – April 8, 2019 |
| Test Result: PASS         |                                                    |

#### Test Equipment

See Appendix A for list of test equipment

### 5.5.4 Conducted Spurious Emissions Data Table - Peak

| Frequency (MHz) | Mode                                | Tx Paths | Index Power (dBm) | Correlated Antenna Gain (dBi) | Tx 1 Spur Power (dBm) | Tx 2 Spur Power (dBm) | Tx 3 Spur Power (dBm) | Tx 4 Spur Power (dBm) | Total Conducted Spur (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------------------|----------|-------------------|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-------------|-------------|
| 5500            | Non HT20, 6 to 54 Mbps              | 1        | 16                | 6                             | -47.7                 |                       |                       |                       | -41.7                      | -21.25      | 20.45       |
|                 | Non HT20, 6 to 54 Mbps              | 2        | 15                | 6                             | -48.0                 | -47.6                 |                       |                       | -38.7                      | -21.25      | 17.45       |
|                 | Non HT20, 6 to 54 Mbps              | 3        | 12                | 6                             | -51.7                 | -50.4                 | -52.0                 |                       | -40.5                      | -21.25      | 19.25       |
|                 | Non HT20, 6 to 54 Mbps              | 4        | 9                 | 6                             | -53.5                 | -52.5                 | -52.9                 | -51.7                 | -40.5                      | -21.25      | 19.25       |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 2        | 13                | 9                             | -50.6                 | -49.1                 |                       |                       | -37.7                      | -21.25      | 16.45       |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 3        | 10                | 11                            | -51.6                 | -51.1                 | -53.2                 |                       | -36.1                      | -21.25      | 14.85       |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 4        | 7                 | 12                            | -54.0                 | -52.5                 | -55.7                 | -52.8                 | -35.5                      | -21.25      | 14.25       |
|                 | HT/VHT20, M0 to M7                  | 1        | 16                | 6                             | -51.9                 |                       |                       |                       | -45.9                      | -21.25      | 24.65       |
|                 | HT/VHT20, M0 to M7                  | 2        | 16                | 6                             | -51.9                 | -49.9                 |                       |                       | -41.7                      | -21.25      | 20.45       |
|                 | HT/VHT20, M8 to M15                 | 2        | 16                | 6                             | -51.9                 | -49.9                 |                       |                       | -41.7                      | -21.25      | 20.45       |
|                 | HT/VHT20, M0 to M7                  | 3        | 12                | 6                             | -53.8                 | -54.0                 | -55.2                 |                       | -43.5                      | -21.25      | 22.25       |
|                 | HT/VHT20, M8 to M15                 | 3        | 15                | 6                             | -51.6                 | -50.7                 | -51.3                 |                       | -40.4                      | -21.25      | 19.15       |
|                 | HT/VHT20, M16 to M23                | 3        | 15                | 6                             | -51.6                 | -50.7                 | -51.3                 |                       | -40.4                      | -21.25      | 19.15       |
|                 | HT/VHT20, M0 to M7                  | 4        | 10                | 6                             | -55.2                 | -53.8                 | -54.5                 | -53.5                 | -42.1                      | -21.25      | 20.85       |
|                 | HT/VHT20, M8 to M15                 | 4        | 13                | 6                             | -54.2                 | -50.1                 | -53.7                 | -51.4                 | -40.0                      | -21.25      | 18.75       |
|                 | HT/VHT20, M16 to M23                | 4        | 14                | 6                             | -52.3                 | -50.4                 | -53.8                 | -50.1                 | -39.3                      | -21.25      | 18.05       |
|                 | HT/VHT20, M24 to M31                | 4        | 14                | 6                             | -52.3                 | -50.4                 | -53.8                 | -50.1                 | -39.3                      | -21.25      | 18.05       |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 2        | 13                | 9                             | -54.2                 | -50.1                 |                       |                       | -39.6                      | -21.25      | 18.35       |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 2        | 16                | 6                             | -51.9                 | -49.9                 |                       |                       | -41.7                      | -21.25      | 20.45       |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 3        | 10                | 11                            | -55.2                 | -53.8                 | -54.5                 |                       | -38.6                      | -21.25      | 17.35       |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 3        | 13                | 8                             | -54.2                 | -50.1                 | -53.7                 |                       | -39.4                      | -21.25      | 18.15       |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 3        | 15                | 6                             | -51.6                 | -50.7                 | -51.3                 |                       | -40.4                      | -21.25      | 19.15       |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 4        | 7                 | 12                            | -56.0                 | -57.7                 | -58.5                 | -54.5                 | -38.3                      | -21.25      | 17.05       |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 4        | 10                | 9                             | -55.2                 | -53.8                 | -54.5                 | -53.5                 | -39.1                      | -21.25      | 17.85       |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 4        | 12                | 7                             | -53.8                 | -54.0                 | -55.2                 | -52.4                 | -40.7                      | -21.25      | 19.45       |
|                 | HT/VHT20 Beam Forming, M24 to M31   | 4        | 14                | 6                             | -52.3                 | -50.4                 | -53.8                 | -50.1                 | -39.3                      | -21.25      | 18.05       |
|                 | HT/VHT20 STBC, M0 to M7             | 2        | 16                | 6                             | -51.9                 | -49.9                 |                       |                       | -41.7                      | -21.25      | 20.45       |
|                 | HT/VHT20 STBC, M0 to M7             | 3        | 15                | 6                             | -51.6                 | -50.7                 | -51.3                 |                       | -40.4                      | -21.25      | 19.15       |

|      |                                  |   |    |    |       |       |       |       |       |        |       |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | HT/VHT20 STBC, M0 to M7          | 4 | 13 | 6  | -54.2 | -50.1 | -53.7 | -51.4 | -40.0 | -21.25 | 18.75 |
|      | HE20, M0 to M9 1ss               | 1 | 16 | 6  | -48.7 |       |       |       | -42.6 | -21.25 | 21.35 |
|      | HE20, M0 to M9 1ss               | 2 | 15 | 6  | -49.1 | -48.2 |       |       | -39.5 | -21.25 | 18.25 |
|      | HE20, M0 to M9 2ss               | 2 | 15 | 6  | -49.1 | -48.2 |       |       | -39.5 | -21.25 | 18.25 |
|      | HE20, M0 to M9 1ss               | 3 | 12 | 6  | -50.9 | -49.3 | -53.4 |       | -40.0 | -21.25 | 18.75 |
|      | HE20, M0 to M9 2ss               | 3 | 15 | 6  | -49.1 | -48.2 | -50.3 |       | -38.3 | -21.25 | 17.05 |
|      | HE20, M0 to M9 3ss               | 3 | 15 | 6  | -49.1 | -48.2 | -50.3 |       | -38.3 | -21.25 | 17.05 |
|      | HE20, M0 to M9 1ss               | 4 | 9  | 6  | -52.2 | -51.4 | -53.8 | -52.4 | -40.3 | -21.25 | 19.05 |
|      | HE20, M0 to M9 2ss               | 4 | 13 | 6  | -51.0 | -48.2 | -51.2 | -48.5 | -37.4 | -21.25 | 16.15 |
|      | HE20, M0 to M9 3ss               | 4 | 14 | 6  | -49.0 | -48.2 | -51.7 | -47.8 | -36.8 | -21.25 | 15.55 |
|      | HE20, M0 to M9 4ss               | 4 | 14 | 6  | -49.0 | -48.2 | -51.7 | -47.8 | -36.8 | -21.25 | 15.55 |
|      | HE20 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | -51.0 | -48.2 |       |       | -37.3 | -21.25 | 16.05 |
|      | HE20 Beam Forming, M0 to M9 2ss  | 2 | 15 | 6  | -49.1 | -48.2 |       |       | -39.5 | -21.25 | 18.25 |
|      | HE20 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -52.1 | -51.8 | -53.3 |       | -36.5 | -21.25 | 15.25 |
|      | HE20 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -51.0 | -48.2 | -51.2 |       | -37.1 | -21.25 | 15.85 |
|      | HE20 Beam Forming, M0 to M9 3ss  | 3 | 15 | 6  | -49.1 | -48.2 | -50.3 |       | -38.3 | -21.25 | 17.05 |
|      | HE20 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -54.3 | -52.7 | -56.5 | -54.2 | -36.1 | -21.25 | 14.85 |
|      | HE20 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -52.1 | -51.8 | -53.3 | -50.6 | -36.8 | -21.25 | 15.55 |
|      | HE20 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -50.9 | -49.3 | -53.4 | -49.8 | -37.5 | -21.25 | 16.25 |
|      | HE20 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -49.0 | -48.2 | -51.7 | -47.8 | -36.8 | -21.25 | 15.55 |
|      | HE20 STBC, M0 to M9 2ss          | 2 | 15 | 6  | -49.1 | -48.2 |       |       | -39.5 | -21.25 | 18.25 |
|      | HE20 STBC, M0 to M9 2ss          | 3 | 15 | 6  | -49.1 | -48.2 | -50.3 |       | -38.3 | -21.25 | 17.05 |
|      | HE20 STBC, M0 to M9 2ss          | 4 | 13 | 6  | -51.0 | -48.2 | -51.2 | -48.5 | -37.4 | -21.25 | 16.15 |
|      |                                  |   |    |    |       |       |       |       |       |        |       |
| 5510 | Non HT40, 6 to 54 Mbps           | 1 | 13 | 6  | -51.1 |       |       |       | -45.1 | -21.25 | 23.85 |
|      | Non HT40, 6 to 54 Mbps           | 2 | 13 | 6  | -51.1 | -49.0 |       |       | -40.9 | -21.25 | 19.65 |
|      | Non HT40, 6 to 54 Mbps           | 3 | 13 | 6  | -51.1 | -49.0 | -52.4 |       | -39.8 | -21.25 | 18.55 |
|      | Non HT40, 6 to 54 Mbps           | 4 | 12 | 6  | -52.2 | -50.2 | -52.5 | -48.6 | -38.5 | -21.25 | 17.25 |
|      | HT/VHT40, M0 to M7               | 1 | 15 | 6  | -51.0 |       |       |       | -44.9 | -21.25 | 23.65 |
|      | HT/VHT40, M0 to M7               | 2 | 14 | 6  | -52.4 | -49.8 |       |       | -41.8 | -21.25 | 20.55 |
|      | HT/VHT40, M8 to M15              | 2 | 14 | 6  | -52.4 | -49.8 |       |       | -41.8 | -21.25 | 20.55 |
|      | HT/VHT40, M0 to M7               | 3 | 14 | 6  | -52.4 | -49.8 | -51.9 |       | -40.3 | -21.25 | 19.05 |
|      | HT/VHT40, M8 to M15              | 3 | 14 | 6  | -52.4 | -49.8 | -51.9 |       | -40.3 | -21.25 | 19.05 |
|      | HT/VHT40, M16 to M23             | 3 | 14 | 6  | -52.4 | -49.8 | -51.9 |       | -40.3 | -21.25 | 19.05 |
|      | HT/VHT40, M0 to M7               | 4 | 13 | 6  | -52.8 | -50.7 | -53.6 | -51.2 | -39.8 | -21.25 | 18.55 |
|      | HT/VHT40, M8 to M15              | 4 | 14 | 6  | -52.4 | -49.8 | -51.9 | -50.8 | -39.0 | -21.25 | 17.75 |
|      | HT/VHT40, M16 to M23             | 4 | 14 | 6  | -52.4 | -49.8 | -51.9 | -50.8 | -39.0 | -21.25 | 17.75 |
|      | HT/VHT40, M24 to M31             | 4 | 14 | 6  | -52.4 | -49.8 | -51.9 | -50.8 | -39.0 | -21.25 | 17.75 |
|      | HT/VHT40 Beam Forming, M0 to M7  | 2 | 13 | 9  | -52.8 | -50.7 |       |       | -39.5 | -21.25 | 18.25 |
|      | HT/VHT40 Beam Forming, M8 to M15 | 2 | 14 | 6  | -52.4 | -49.8 |       |       | -41.8 | -21.25 | 20.55 |
|      | HT/VHT40 Beam Forming, M0 to M7  | 3 | 10 | 11 | -54.9 | -53.5 | -55.1 |       | -38.6 | -21.25 | 17.35 |

|      |                                   |   |    |    |       |       |       |       |       |        |       |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 13 | 8  | -52.8 | -50.7 | -53.6 |       | -39.3 | -21.25 | 18.05 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 14 | 6  | -52.4 | -49.8 | -51.9 |       | -40.3 | -21.25 | 19.05 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 7  | 12 | -56.2 | -53.1 | -57.5 | -53.9 | -36.7 | -21.25 | 15.45 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 10 | 9  | -54.9 | -53.5 | -55.1 | -53.8 | -39.1 | -21.25 | 17.85 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 12 | 7  | -54.3 | -53.1 | -54.2 | -52.6 | -40.4 | -21.25 | 19.15 |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 14 | 6  | -52.4 | -49.8 | -51.9 | -50.8 | -39.0 | -21.25 | 17.75 |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 14 | 6  | -52.4 | -49.8 |       |       | -41.8 | -21.25 | 20.55 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 14 | 6  | -52.4 | -49.8 | -51.9 |       | -40.3 | -21.25 | 19.05 |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 14 | 6  | -52.4 | -49.8 | -51.9 | -50.8 | -39.0 | -21.25 | 17.75 |
|      | HE40, M0 to M9 1ss                | 1 | 12 | 6  | -53.0 |       |       |       | -46.9 | -21.25 | 25.65 |
|      | HE40, M0 to M9 1ss                | 2 | 12 | 6  | -53.0 | -50.1 |       |       | -42.2 | -21.25 | 20.95 |
|      | HE40, M0 to M9 2ss                | 2 | 12 | 6  | -53.0 | -50.1 |       |       | -42.2 | -21.25 | 20.95 |
|      | HE40, M0 to M9 1ss                | 3 | 12 | 6  | -53.0 | -50.1 | -52.7 |       | -40.8 | -21.25 | 19.55 |
|      | HE40, M0 to M9 2ss                | 3 | 12 | 6  | -53.0 | -50.1 | -52.7 |       | -40.8 | -21.25 | 19.55 |
|      | HE40, M0 to M9 3ss                | 3 | 12 | 6  | -53.0 | -50.1 | -52.7 |       | -40.8 | -21.25 | 19.55 |
|      | HE40, M0 to M9 1ss                | 4 | 12 | 6  | -53.0 | -50.1 | -52.7 | -50.5 | -39.2 | -21.25 | 17.95 |
|      | HE40, M0 to M9 2ss                | 4 | 12 | 6  | -53.0 | -50.1 | -52.7 | -50.5 | -39.2 | -21.25 | 17.95 |
|      | HE40, M0 to M9 3ss                | 4 | 12 | 6  | -53.0 | -50.1 | -52.7 | -50.5 | -39.2 | -21.25 | 17.95 |
|      | HE40, M0 to M9 4ss                | 4 | 12 | 6  | -53.0 | -50.1 | -52.7 | -50.5 | -39.2 | -21.25 | 17.95 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 12 | 9  | -53.0 | -50.1 |       |       | -39.2 | -21.25 | 17.95 |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 12 | 6  | -53.0 | -50.1 |       |       | -42.2 | -21.25 | 20.95 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | -54.0 | -52.7 | -53.8 |       | -37.6 | -21.25 | 16.35 |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 12 | 8  | -53.0 | -50.1 | -52.7 |       | -38.8 | -21.25 | 17.55 |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 12 | 6  | -53.0 | -50.1 | -52.7 |       | -40.8 | -21.25 | 19.55 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | -54.7 | -52.8 | -54.1 | -55.5 | -36.0 | -21.25 | 14.75 |
|      | HE40 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | -54.0 | -52.7 | -53.8 | -52.0 | -37.9 | -21.25 | 16.65 |
|      | HE40 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | -53.0 | -50.1 | -52.7 | -50.5 | -38.2 | -21.25 | 16.95 |
|      | HE40 Beam Forming, M0 to M9 4ss   | 4 | 12 | 6  | -53.0 | -50.1 | -52.7 | -50.5 | -39.2 | -21.25 | 17.95 |
|      | HE40 STBC, M0 to M9 2ss           | 2 | 12 | 6  | -53.0 | -50.1 |       |       | -42.2 | -21.25 | 20.95 |
|      | HE40 STBC, M0 to M9 2ss           | 3 | 12 | 6  | -53.0 | -50.1 | -52.7 |       | -40.8 | -21.25 | 19.55 |
|      | HE40 STBC, M0 to M9 2ss           | 4 | 12 | 6  | -53.0 | -50.1 | -52.7 | -50.5 | -39.2 | -21.25 | 17.95 |
|      |                                   |   |    |    |       |       |       |       |       |        |       |
| 5530 | Non HT80, 6 to 54 Mbps            | 1 | 13 | 6  | -50.8 |       |       |       | -44.8 | -21.25 | 23.55 |
|      | Non HT80, 6 to 54 Mbps            | 2 | 13 | 6  | -50.8 | -50.4 |       |       | -41.5 | -21.25 | 20.25 |
|      | Non HT80, 6 to 54 Mbps            | 3 | 13 | 6  | -50.8 | -50.4 | -52.3 |       | -40.3 | -21.25 | 19.05 |
|      | Non HT80, 6 to 54 Mbps            | 4 | 12 | 6  | -52.4 | -50.4 | -53.2 | -49.7 | -39.1 | -21.25 | 17.85 |
|      | VHT80, M0 to M9 1ss               | 1 | 14 | 6  | -52.2 |       |       |       | -46.0 | -21.25 | 24.75 |
|      | VHT80, M0 to M9 1ss               | 2 | 13 | 6  | -53.7 | -52.4 |       |       | -43.8 | -21.25 | 22.55 |
|      | VHT80, M0 to M9 2ss               | 2 | 13 | 6  | -53.7 | -52.4 |       |       | -43.8 | -21.25 | 22.55 |
|      | VHT80, M0 to M9 1ss               | 3 | 13 | 6  | -53.7 | -52.4 | -55.2 |       | -42.6 | -21.25 | 21.35 |
|      | VHT80, M0 to M9 2ss               | 3 | 13 | 6  | -53.7 | -52.4 | -55.2 |       | -42.6 | -21.25 | 21.35 |

|    |                                  |   |    |    |       |       |       |       |       |        |       |
|----|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
| 50 | VHT80, M0 to M9 3ss              | 3 | 13 | 6  | -53.7 | -52.4 | -55.2 |       | -42.6 | -21.25 | 21.35 |
|    | VHT80, M0 to M9 1ss              | 4 | 13 | 6  | -53.7 | -52.4 | -55.2 | -53.3 | -41.3 | -21.25 | 20.05 |
|    | VHT80, M0 to M9 2ss              | 4 | 13 | 6  | -53.7 | -52.4 | -55.2 | -53.3 | -41.3 | -21.25 | 20.05 |
|    | VHT80, M0 to M9 3ss              | 4 | 13 | 6  | -53.7 | -52.4 | -55.2 | -53.3 | -41.3 | -21.25 | 20.05 |
|    | VHT80, M0 to M9 4ss              | 4 | 13 | 6  | -53.7 | -52.4 | -55.2 | -53.3 | -41.3 | -21.25 | 20.05 |
|    | VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | -53.7 | -52.4 |       |       | -40.8 | -21.25 | 19.55 |
|    | VHT80 Beam Forming, M0 to M9 2ss | 2 | 13 | 6  | -53.7 | -52.4 |       |       | -43.8 | -21.25 | 22.55 |
|    | VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | -55.4 | -54.6 | -57.0 |       | -39.6 | -21.25 | 18.35 |
|    | VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | -53.7 | -52.4 | -55.2 |       | -40.6 | -21.25 | 19.35 |
|    | VHT80 Beam Forming, M0 to M9 3ss | 3 | 13 | 6  | -53.7 | -52.4 | -55.2 |       | -42.6 | -21.25 | 21.35 |
|    | VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | -57.9 | -55.6 | -59.3 | -57.6 | -39.2 | -21.25 | 17.95 |
|    | VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | -55.4 | -54.6 | -57.0 | -54.4 | -40.0 | -21.25 | 18.75 |
|    | VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | -53.9 | -52.8 | -55.4 | -53.9 | -40.7 | -21.25 | 19.45 |
|    | VHT80 Beam Forming, M0 to M9 4ss | 4 | 13 | 6  | -53.7 | -52.4 | -55.2 | -53.3 | -41.3 | -21.25 | 20.05 |
|    | VHT80 STBC, M0 to M9 1ss         | 2 | 13 | 6  | -53.7 | -52.4 |       |       | -43.8 | -21.25 | 22.55 |
|    | VHT80 STBC, M0 to M9 1ss         | 3 | 13 | 6  | -53.7 | -52.4 | -55.2 |       | -42.6 | -21.25 | 21.35 |
|    | VHT80 STBC, M0 to M9 1ss         | 4 | 13 | 6  | -53.7 | -52.4 | -55.2 | -53.3 | -41.3 | -21.25 | 20.05 |
|    | HE80, M0 to M9 1ss               | 1 | 15 | 6  | -53.0 |       |       |       | -46.8 | -21.25 | 25.55 |
|    | HE80, M0 to M9 1ss               | 2 | 14 | 6  | -52.9 | -51.3 |       |       | -42.8 | -21.25 | 21.55 |
|    | HE80, M0 to M9 2ss               | 2 | 14 | 6  | -52.9 | -51.3 |       |       | -42.8 | -21.25 | 21.55 |
|    | HE80, M0 to M9 1ss               | 3 | 14 | 6  | -52.9 | -51.3 | -55.0 |       | -41.8 | -21.25 | 20.55 |
|    | HE80, M0 to M9 2ss               | 3 | 14 | 6  | -52.9 | -51.3 | -55.0 |       | -41.8 | -21.25 | 20.55 |
|    | HE80, M0 to M9 3ss               | 3 | 14 | 6  | -52.9 | -51.3 | -55.0 |       | -41.8 | -21.25 | 20.55 |
|    | HE80, M0 to M9 1ss               | 4 | 14 | 6  | -52.9 | -51.3 | -55.0 | -52.6 | -40.5 | -21.25 | 19.25 |
|    | HE80, M0 to M9 2ss               | 4 | 14 | 6  | -52.9 | -51.3 | -55.0 | -52.6 | -40.5 | -21.25 | 19.25 |
|    | HE80, M0 to M9 3ss               | 4 | 14 | 6  | -52.9 | -51.3 | -55.0 | -52.6 | -40.5 | -21.25 | 19.25 |
|    | HE80, M0 to M9 4ss               | 4 | 14 | 6  | -52.9 | -51.3 | -55.0 | -52.6 | -40.5 | -21.25 | 19.25 |
|    | HE80 Beam Forming, M0 to M9 1ss  | 2 | 12 | 9  | -55.1 | -51.7 |       |       | -40.8 | -21.25 | 19.55 |
|    | HE80 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | -52.9 | -51.3 |       |       | -42.8 | -21.25 | 21.55 |
|    | HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -55.9 | -55.2 | -56.7 |       | -39.9 | -21.25 | 18.65 |
|    | HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -53.3 | -51.8 | -55.8 |       | -40.3 | -21.25 | 19.05 |
|    | HE80 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | -52.9 | -51.3 | -55.0 |       | -41.8 | -21.25 | 20.55 |
|    | HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -56.1 | -55.9 | -59.1 | -58.1 | -38.8 | -21.25 | 17.55 |
|    | HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -55.9 | -55.2 | -56.7 | -55.3 | -40.5 | -21.25 | 19.25 |
|    | HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -55.1 | -51.7 | -56.5 | -53.5 | -40.6 | -21.25 | 19.35 |
|    | HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -52.9 | -51.3 | -55.0 | -52.6 | -40.5 | -21.25 | 19.25 |
|    | HE80 STBC, M0 to M9 1ss          | 2 | 14 | 6  | -52.9 | -51.3 |       |       | -42.8 | -21.25 | 21.55 |
|    | HE80 STBC, M0 to M9 1ss          | 3 | 14 | 6  | -52.9 | -51.3 | -55.0 |       | -41.8 | -21.25 | 20.55 |
|    | HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | -52.9 | -51.3 | -55.0 | -52.6 | -40.5 | -21.25 | 19.25 |
|    |                                  |   |    |    |       |       |       |       |       |        |       |
| 50 | Non HT40, 6 to 54 Mbps           | 1 | 17 | 6  | -49.8 |       |       |       | -43.8 | -21.25 | 22.55 |



|                                   |   |    |    |       |       |       |       |       |        |       |
|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
| Non HT40, 6 to 54 Mbps            | 2 | 17 | 6  | -49.8 | -47.8 |       |       | -39.6 | -21.25 | 18.35 |
| Non HT40, 6 to 54 Mbps            | 3 | 15 | 6  | -50.7 | -48.5 | -50.8 |       | -39.0 | -21.25 | 17.75 |
| Non HT40, 6 to 54 Mbps            | 4 | 13 | 6  | -52.2 | -50.6 | -53.0 | -49.2 | -38.9 | -21.25 | 17.65 |
| HT/VHT40, M0 to M7                | 1 | 17 | 6  | -51.6 |       |       |       | -45.5 | -21.25 | 24.25 |
| HT/VHT40, M0 to M7                | 2 | 17 | 6  | -51.6 | -49.4 |       |       | -41.2 | -21.25 | 19.95 |
| HT/VHT40, M8 to M15               | 2 | 17 | 6  | -51.6 | -49.4 |       |       | -41.2 | -21.25 | 19.95 |
| HT/VHT40, M0 to M7                | 3 | 16 | 6  | -52.4 | -49.9 | -52.1 |       | -40.4 | -21.25 | 19.15 |
| HT/VHT40, M8 to M15               | 3 | 16 | 6  | -52.4 | -49.9 | -52.1 |       | -40.4 | -21.25 | 19.15 |
| HT/VHT40, M16 to M23              | 3 | 16 | 6  | -52.4 | -49.9 | -52.1 |       | -40.4 | -21.25 | 19.15 |
| HT/VHT40, M0 to M7                | 4 | 13 | 6  | -54.2 | -52.1 | -54.8 | -51.8 | -40.9 | -21.25 | 19.65 |
| HT/VHT40, M8 to M15               | 4 | 15 | 6  | -52.3 | -51.2 | -51.6 | -49.6 | -38.9 | -21.25 | 17.65 |
| HT/VHT40, M16 to M23              | 4 | 15 | 6  | -52.3 | -51.2 | -51.6 | -49.6 | -38.9 | -21.25 | 17.65 |
| HT/VHT40, M24 to M31              | 4 | 15 | 6  | -52.3 | -51.2 | -51.6 | -49.6 | -38.9 | -21.25 | 17.65 |
| HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | -52.5 | -50.9 |       |       | -39.5 | -21.25 | 18.25 |
| HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | -51.6 | -49.4 |       |       | -41.2 | -21.25 | 19.95 |
| HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | -55.1 | -54.0 | -55.7 |       | -39.0 | -21.25 | 17.75 |
| HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | -52.5 | -50.9 | -53.3 |       | -39.2 | -21.25 | 17.95 |
| HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | -52.4 | -49.9 | -52.1 |       | -40.4 | -21.25 | 19.15 |
| HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | -55.9 | -55.1 | -55.8 | -54.7 | -37.2 | -21.25 | 15.95 |
| HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | -55.1 | -54.0 | -55.7 | -53.3 | -39.3 | -21.25 | 18.05 |
| HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | -54.2 | -52.1 | -54.8 | -51.8 | -39.9 | -21.25 | 18.65 |
| HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | -52.3 | -51.2 | -51.6 | -49.6 | -38.9 | -21.25 | 17.65 |
| HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | -51.6 | -49.4 |       |       | -41.2 | -21.25 | 19.95 |
| HT/VHT40 STBC, M0 to M7           | 3 | 16 | 6  | -52.4 | -49.9 | -52.1 |       | -40.4 | -21.25 | 19.15 |
| HT/VHT40 STBC, M0 to M7           | 4 | 15 | 6  | -52.3 | -51.2 | -51.6 | -49.6 | -38.9 | -21.25 | 17.65 |
| HE40, M0 to M9 1ss                | 1 | 17 | 6  | -50.7 |       |       |       | -44.6 | -21.25 | 23.35 |
| HE40, M0 to M9 1ss                | 2 | 17 | 6  | -50.7 | -48.4 |       |       | -40.3 | -21.25 | 19.05 |
| HE40, M0 to M9 2ss                | 2 | 17 | 6  | -50.7 | -48.4 |       |       | -40.3 | -21.25 | 19.05 |
| HE40, M0 to M9 1ss                | 3 | 16 | 6  | -51.5 | -49.0 | -50.9 |       | -39.4 | -21.25 | 18.15 |
| HE40, M0 to M9 2ss                | 3 | 16 | 6  | -51.5 | -49.0 | -50.9 |       | -39.4 | -21.25 | 18.15 |
| HE40, M0 to M9 3ss                | 3 | 16 | 6  | -51.5 | -49.0 | -50.9 |       | -39.4 | -21.25 | 18.15 |
| HE40, M0 to M9 1ss                | 4 | 14 | 6  | -52.4 | -49.9 | -52.3 | -49.4 | -38.6 | -21.25 | 17.35 |
| HE40, M0 to M9 2ss                | 4 | 15 | 6  | -51.9 | -49.7 | -51.5 | -49.0 | -38.2 | -21.25 | 16.95 |
| HE40, M0 to M9 3ss                | 4 | 15 | 6  | -51.9 | -49.7 | -51.5 | -49.0 | -38.2 | -21.25 | 16.95 |
| HE40, M0 to M9 4ss                | 4 | 15 | 6  | -51.9 | -49.7 | -51.5 | -49.0 | -38.2 | -21.25 | 16.95 |
| HE40 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | -52.4 | -49.9 |       |       | -38.8 | -21.25 | 17.55 |
| HE40 Beam Forming, M0 to M9 2ss   | 2 | 17 | 6  | -50.7 | -48.4 |       |       | -40.3 | -21.25 | 19.05 |
| HE40 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | -53.6 | -52.7 | -54.3 |       | -37.6 | -21.25 | 16.35 |
| HE40 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | -52.4 | -49.9 | -52.3 |       | -38.5 | -21.25 | 17.25 |
| HE40 Beam Forming, M0 to M9 3ss   | 3 | 16 | 6  | -51.5 | -49.0 | -50.9 |       | -39.4 | -21.25 | 18.15 |
| HE40 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | -55.2 | -54.1 | -57.0 | -52.9 | -36.4 | -21.25 | 15.15 |

|      |                                     |   |    |    |       |       |       |       |       |        |       |
|------|-------------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | -53.6 | -52.7 | -54.3 | -52.5 | -38.1 | -21.25 | 16.85 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | -53.4 | -50.3 | -53.2 | -49.7 | -38.2 | -21.25 | 16.95 |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | -51.9 | -49.7 | -51.5 | -49.0 | -38.2 | -21.25 | 16.95 |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | -50.7 | -48.4 |       |       | -40.3 | -21.25 | 19.05 |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 6  | -51.5 | -49.0 | -50.9 |       | -39.4 | -21.25 | 18.15 |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 6  | -51.9 | -49.7 | -51.5 | -49.0 | -38.2 | -21.25 | 16.95 |
|      |                                     |   |    |    |       |       |       |       |       |        |       |
| 5560 | Non HT20, 6 to 54 Mbps              | 1 | 17 | 6  | -48.7 |       |       |       | -42.7 | -21.25 | 21.45 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 6  | -50.6 | -49.6 |       |       | -41.0 | -21.25 | 19.75 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | -52.8 | -51.4 | -53.6 |       | -41.7 | -21.25 | 20.45 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | -54.2 | -53.3 | -54.5 | -52.4 | -41.5 | -21.25 | 20.25 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | -50.7 | -50.0 |       |       | -38.3 | -21.25 | 17.05 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | -53.0 | -52.0 | -54.1 |       | -37.1 | -21.25 | 15.85 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | -54.3 | -53.4 | -57.4 | -52.4 | -35.9 | -21.25 | 14.65 |
|      | HT/VHT20, M0 to M7                  | 1 | 17 | 6  | -51.2 |       |       |       | -45.2 | -21.25 | 23.95 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 6  | -52.3 | -51.4 |       |       | -42.8 | -21.25 | 21.55 |
|      | HT/VHT20, M8 to M15                 | 2 | 17 | 6  | -51.2 | -50.7 |       |       | -41.9 | -21.25 | 20.65 |
|      | HT/VHT20, M0 to M7                  | 3 | 13 | 6  | -55.3 | -53.3 | -54.0 |       | -43.3 | -21.25 | 22.05 |
|      | HT/VHT20, M8 to M15                 | 3 | 16 | 6  | -52.3 | -51.4 | -51.5 |       | -40.9 | -21.25 | 19.65 |
|      | HT/VHT20, M16 to M23                | 3 | 16 | 6  | -52.3 | -51.4 | -51.5 |       | -40.9 | -21.25 | 19.65 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | -56.5 | -55.2 | -55.8 | -54.0 | -43.2 | -21.25 | 21.95 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | -55.3 | -53.3 | -54.0 | -52.4 | -41.6 | -21.25 | 20.35 |
|      | HT/VHT20, M16 to M23                | 4 | 15 | 6  | -52.6 | -51.5 | -51.2 | -50.8 | -39.4 | -21.25 | 18.15 |
|      | HT/VHT20, M24 to M31                | 4 | 15 | 6  | -52.6 | -51.5 | -51.2 | -50.8 | -39.4 | -21.25 | 18.15 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | -53.0 | -51.7 |       |       | -40.2 | -21.25 | 18.95 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 17 | 6  | -51.2 | -50.7 |       |       | -41.9 | -21.25 | 20.65 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | -54.8 | -54.1 | -55.1 |       | -38.8 | -21.25 | 17.55 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | -53.0 | -51.7 | -55.0 |       | -40.2 | -21.25 | 18.95 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 16 | 6  | -52.3 | -51.4 | -51.5 |       | -40.9 | -21.25 | 19.65 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | -56.6 | -57.5 | -55.7 | -55.1 | -38.1 | -21.25 | 16.85 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | -54.8 | -54.1 | -55.1 | -53.6 | -39.3 | -21.25 | 18.05 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | -55.3 | -53.3 | -54.0 | -52.4 | -40.6 | -21.25 | 19.35 |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 15 | 6  | -52.6 | -51.5 | -51.2 | -50.8 | -39.4 | -21.25 | 18.15 |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 17 | 6  | -51.2 | -50.7 |       |       | -41.9 | -21.25 | 20.65 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 16 | 6  | -52.3 | -51.4 | -51.5 |       | -40.9 | -21.25 | 19.65 |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 6  | -55.3 | -53.3 | -54.0 | -52.4 | -41.6 | -21.25 | 20.35 |
|      | HE20, M0 to M9 1ss                  | 1 | 17 | 6  | -48.5 |       |       |       | -42.4 | -21.25 | 21.15 |
|      | HE20, M0 to M9 1ss                  | 2 | 16 | 6  | -50.2 | -48.9 |       |       | -40.4 | -21.25 | 19.15 |
|      | HE20, M0 to M9 2ss                  | 2 | 17 | 6  | -48.5 | -48.3 |       |       | -39.3 | -21.25 | 18.05 |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 6  | -53.0 | -52.3 | -53.6 |       | -42.1 | -21.25 | 20.85 |
|      | HE20, M0 to M9 2ss                  | 3 | 15 | 6  | -49.8 | -49.2 | -52.6 |       | -39.5 | -21.25 | 18.25 |

|      |                                        |          |          |           |              |              |              |              |              |               |              |
|------|----------------------------------------|----------|----------|-----------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|
|      | HE20, M0 to M9 3ss                     | 3        | 16       | 6         | -50.2        | -48.9        | -49.8        |              | -38.8        | -21.25        | 17.55        |
|      | HE20, M0 to M9 1ss                     | 4        | 10       | 6         | -53.4        | -52.5        | -54.1        | -51.5        | -40.7        | -21.25        | 19.45        |
|      | HE20, M0 to M9 2ss                     | 4        | 13       | 6         | -51.3        | -49.6        | -52.6        | -49.9        | -38.6        | -21.25        | 17.35        |
|      | HE20, M0 to M9 3ss                     | 4        | 15       | 6         | -49.8        | -49.2        | -52.6        | -47.9        | -37.5        | -21.25        | 16.25        |
|      | HE20, M0 to M9 4ss                     | 4        | 15       | 6         | -49.8        | -49.2        | -52.6        | -47.9        | -37.5        | -21.25        | 16.25        |
|      | HE20 Beam Forming, M0 to M9 1ss        | 2        | 14       | 9         | -50.7        | -49.4        |              |              | -37.9        | -21.25        | 16.65        |
|      | HE20 Beam Forming, M0 to M9 2ss        | 2        | 17       | 6         | -48.5        | -48.3        |              |              | -39.3        | -21.25        | 18.05        |
|      | HE20 Beam Forming, M0 to M9 1ss        | 3        | 11       | 11        | -52.7        | -53.0        | -54.3        |              | -37.4        | -21.25        | 16.15        |
|      | HE20 Beam Forming, M0 to M9 2ss        | 3        | 14       | 8         | -50.7        | -49.4        | -51.3        |              | -37.6        | -21.25        | 16.35        |
|      | HE20 Beam Forming, M0 to M9 3ss        | 3        | 16       | 6         | -50.2        | -48.9        | -49.8        |              | -38.8        | -21.25        | 17.55        |
|      | <b>HE20 Beam Forming, M0 to M9 1ss</b> | <b>4</b> | <b>8</b> | <b>12</b> | <b>-53.3</b> | <b>-54.1</b> | <b>-55.8</b> | <b>-51.8</b> | <b>-35.4</b> | <b>-21.25</b> | <b>14.15</b> |
|      | HE20 Beam Forming, M0 to M9 2ss        | 4        | 11       | 9         | -52.7        | -53.0        | -54.3        | -51.0        | -37.5        | -21.25        | 16.25        |
|      | HE20 Beam Forming, M0 to M9 3ss        | 4        | 13       | 7         | -51.3        | -49.6        | -52.6        | -49.9        | -37.6        | -21.25        | 16.35        |
|      | HE20 Beam Forming, M0 to M9 4ss        | 4        | 15       | 6         | -49.8        | -49.2        | -52.6        | -47.9        | -37.5        | -21.25        | 16.25        |
|      | HE20 STBC, M0 to M9 2ss                | 2        | 17       | 6         | -48.5        | -48.3        |              |              | -39.3        | -21.25        | 18.05        |
|      | HE20 STBC, M0 to M9 2ss                | 3        | 15       | 6         | -49.8        | -49.2        | -52.6        |              | -39.5        | -21.25        | 18.25        |
|      | HE20 STBC, M0 to M9 2ss                | 4        | 13       | 6         | -51.3        | -49.6        | -52.6        | -49.9        | -38.6        | -21.25        | 17.35        |
|      |                                        |          |          |           |              |              |              |              |              |               |              |
| 5570 | Non HT160, 6 to 54 Mbps                | 1        | 13       | 6         | -51.1        |              |              |              | -45.1        | -21.25        | 23.85        |
|      | Non HT160, 6 to 54 Mbps                | 2        | 12       | 6         | -50.6        | -50.5        |              |              | -41.5        | -21.25        | 20.25        |
|      | Non HT160, 6 to 54 Mbps                | 3        | 12       | 6         | -50.6        | -50.5        | -50.3        |              | -39.6        | -21.25        | 18.35        |
|      | Non HT160, 6 to 54 Mbps                | 4        | 12       | 6         | -50.6        | -50.5        | -50.3        | -48.4        | -37.8        | -21.25        | 16.55        |
|      | VHT160, M0 to M9 1ss                   | 1        | 13       | 6         | -53.4        |              |              |              | -47.0        | -21.25        | 25.75        |
|      | VHT160, M0 to M9 1ss                   | 2        | 12       | 6         | -53.5        | -52.9        |              |              | -43.8        | -21.25        | 22.55        |
|      | VHT160, M0 to M9 2ss                   | 2        | 12       | 6         | -53.5        | -52.9        |              |              | -43.8        | -21.25        | 22.55        |
|      | VHT160, M0 to M9 1ss                   | 3        | 12       | 6         | -53.5        | -52.9        | -56.3        |              | -42.8        | -21.25        | 21.55        |
|      | VHT160, M0 to M9 2ss                   | 3        | 12       | 6         | -53.5        | -52.9        | -56.3        |              | -42.8        | -21.25        | 21.55        |
|      | VHT160, M0 to M9 3ss                   | 3        | 12       | 6         | -53.5        | -52.9        | -56.3        |              | -42.8        | -21.25        | 21.55        |
|      | VHT160, M0 to M9 1ss                   | 4        | 9        | 6         | -56.3        | -55.0        | -57.4        | -54.7        | -43.3        | -21.25        | 22.05        |
|      | VHT160, M0 to M9 2ss                   | 4        | 9        | 6         | -56.3        | -55.0        | -57.4        | -54.7        | -43.3        | -21.25        | 22.05        |
|      | VHT160, M0 to M9 3ss                   | 4        | 9        | 6         | -56.3        | -55.0        | -57.4        | -54.7        | -43.3        | -21.25        | 22.05        |
|      | VHT160, M0 to M9 4ss                   | 4        | 9        | 6         | -56.3        | -55.0        | -57.4        | -54.7        | -43.3        | -21.25        | 22.05        |
|      | VHT160 Beam Forming, M0 to M9 1ss      | 2        | 8        | 9         | -56.5        | -55.9        |              |              | -43.8        | -21.25        | 22.55        |
|      | VHT160 Beam Forming, M0 to M9 2ss      | 2        | 12       | 6         | -53.5        | -52.9        |              |              | -43.8        | -21.25        | 22.55        |
|      | VHT160 Beam Forming, M0 to M9 1ss      | 3        | 5        | 11        | -57.8        | -58.2        | -60.7        |              | -42.6        | -21.25        | 21.35        |
|      | VHT160 Beam Forming, M0 to M9 2ss      | 3        | 8        | 8         | -56.5        | -55.9        | -59.7        |              | -43.9        | -21.25        | 22.65        |
|      | VHT160 Beam Forming, M0 to M9 3ss      | 3        | 12       | 6         | -53.5        | -52.9        | -56.3        |              | -42.8        | -21.25        | 21.55        |
|      | VHT160 Beam Forming, M0 to M9 1ss      | 4        | 3        | 12        | -58.8        | -58.9        | -60.2        | -58.2        | -40.6        | -21.25        | 19.35        |
|      | VHT160 Beam Forming, M0 to M9 2ss      | 4        | 7        | 9         | -55.5        | -55.4        | -59.7        | -55.5        | -40.8        | -21.25        | 19.55        |
|      | VHT160 Beam Forming, M0 to M9 3ss      | 4        | 8        | 7         | -56.5        | -55.9        | -59.7        | -55.2        | -43.1        | -21.25        | 21.85        |
|      | VHT160 Beam Forming, M0 to M9 4ss      | 4        | 9        | 6         | -56.3        | -55.0        | -57.4        | -54.7        | -43.3        | -21.25        | 22.05        |

|      |                                  |   |    |    |       |       |       |       |       |        |       |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | VHT160 STBC, M0 to M9 1ss        | 2 | 12 | 6  | -53.5 | -52.9 |       |       | -43.8 | -21.25 | 22.55 |
|      | VHT160 STBC, M0 to M9 1ss        | 3 | 12 | 6  | -53.5 | -52.9 | -56.3 |       | -42.8 | -21.25 | 21.55 |
|      | VHT160 STBC, M0 to M9 1ss        | 4 | 9  | 6  | -56.3 | -55.0 | -57.4 | -54.7 | -43.3 | -21.25 | 22.05 |
|      | HE160, M0 to M9 1ss              | 1 | 15 | 6  | -52.3 |       |       |       | -45.9 | -21.25 | 24.65 |
|      | HE160, M0 to M9 1ss              | 2 | 14 | 6  | -53.1 | -52.5 |       |       | -43.4 | -21.25 | 22.15 |
|      | HE160, M0 to M9 2ss              | 2 | 14 | 6  | -53.1 | -52.5 |       |       | -43.4 | -21.25 | 22.15 |
|      | HE160, M0 to M9 1ss              | 3 | 14 | 6  | -53.1 | -52.5 | -53.9 |       | -41.9 | -21.25 | 20.65 |
|      | HE160, M0 to M9 2ss              | 3 | 14 | 6  | -53.1 | -52.5 | -53.9 |       | -41.9 | -21.25 | 20.65 |
|      | HE160, M0 to M9 3ss              | 3 | 14 | 6  | -53.1 | -52.5 | -53.9 |       | -41.9 | -21.25 | 20.65 |
|      | HE160, M0 to M9 1ss              | 4 | 14 | 6  | -53.1 | -52.5 | -53.9 | -51.6 | -40.3 | -21.25 | 19.05 |
|      | HE160, M0 to M9 2ss              | 4 | 14 | 6  | -53.1 | -52.5 | -53.9 | -51.6 | -40.3 | -21.25 | 19.05 |
|      | HE160, M0 to M9 3ss              | 4 | 14 | 6  | -53.1 | -52.5 | -53.9 | -51.6 | -40.3 | -21.25 | 19.05 |
|      | HE160, M0 to M9 4ss              | 4 | 14 | 6  | -53.1 | -52.5 | -53.9 | -51.6 | -40.3 | -21.25 | 19.05 |
|      | HE160 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | -52.4 | -51.6 |       |       | -39.6 | -21.25 | 18.35 |
|      | HE160 Beam Forming, M0 to M9 2ss | 2 | 14 | 6  | -53.1 | -52.5 |       |       | -43.4 | -21.25 | 22.15 |
|      | HE160 Beam Forming, M0 to M9 1ss | 3 | 11 | 11 | -54.9 | -53.6 | -56.5 |       | -38.7 | -21.25 | 17.45 |
|      | HE160 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | -52.4 | -51.6 | -55.4 |       | -39.7 | -21.25 | 18.45 |
|      | HE160 Beam Forming, M0 to M9 3ss | 3 | 14 | 6  | -53.1 | -52.5 | -53.9 |       | -41.9 | -21.25 | 20.65 |
|      | HE160 Beam Forming, M0 to M9 1ss | 4 | 8  | 12 | -56.3 | -55.3 | -59.8 | -55.8 | -38.1 | -21.25 | 16.85 |
|      | HE160 Beam Forming, M0 to M9 2ss | 4 | 11 | 9  | -54.9 | -53.6 | -56.5 | -54.3 | -39.3 | -21.25 | 18.05 |
|      | HE160 Beam Forming, M0 to M9 3ss | 4 | 13 | 7  | -52.4 | -51.6 | -55.4 | -52.5 | -39.3 | -21.25 | 18.05 |
|      | HE160 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | -53.1 | -52.5 | -53.9 | -51.6 | -40.3 | -21.25 | 19.05 |
|      | HE160 STBC, M0 to M9 1ss         | 2 | 14 | 6  | -53.1 | -52.5 |       |       | -43.4 | -21.25 | 22.15 |
|      | HE160 STBC, M0 to M9 1ss         | 3 | 14 | 6  | -53.1 | -52.5 | -53.9 |       | -41.9 | -21.25 | 20.65 |
|      | HE160 STBC, M0 to M9 1ss         | 4 | 14 | 6  | -53.1 | -52.5 | -53.9 | -51.6 | -40.3 | -21.25 | 19.05 |
|      |                                  |   |    |    |       |       |       |       |       |        |       |
| 5610 | Non HT80, 6 to 54 Mbps           | 1 | 17 | 6  | -49.1 |       |       |       | -43.1 | -21.25 | 21.85 |
|      | Non HT80, 6 to 54 Mbps           | 2 | 17 | 6  | -49.1 | -49.0 |       |       | -40.0 | -21.25 | 18.75 |
|      | Non HT80, 6 to 54 Mbps           | 3 | 16 | 6  | -49.7 | -49.3 | -50.3 |       | -38.9 | -21.25 | 17.65 |
|      | Non HT80, 6 to 54 Mbps           | 4 | 15 | 6  | -50.7 | -49.4 | -50.9 | -49.0 | -37.9 | -21.25 | 16.65 |
|      | VHT80, M0 to M9 1ss              | 1 | 17 | 6  | -52.0 |       |       |       | -45.8 | -21.25 | 24.55 |
|      | VHT80, M0 to M9 1ss              | 2 | 17 | 6  | -52.0 | -50.9 |       |       | -42.2 | -21.25 | 20.95 |
|      | VHT80, M0 to M9 2ss              | 2 | 17 | 6  | -52.0 | -50.9 |       |       | -42.2 | -21.25 | 20.95 |
|      | VHT80, M0 to M9 1ss              | 3 | 16 | 6  | -50.8 | -51.5 | -53.3 |       | -40.8 | -21.25 | 19.55 |
|      | VHT80, M0 to M9 2ss              | 3 | 16 | 6  | -50.8 | -51.5 | -53.3 |       | -40.8 | -21.25 | 19.55 |
|      | VHT80, M0 to M9 3ss              | 3 | 16 | 6  | -50.8 | -51.5 | -53.3 |       | -40.8 | -21.25 | 19.55 |
|      | VHT80, M0 to M9 1ss              | 4 | 15 | 6  | -51.6 | -51.5 | -54.3 | -52.1 | -40.0 | -21.25 | 18.75 |
|      | VHT80, M0 to M9 2ss              | 4 | 15 | 6  | -51.6 | -51.5 | -54.3 | -52.1 | -40.0 | -21.25 | 18.75 |
|      | VHT80, M0 to M9 3ss              | 4 | 15 | 6  | -51.6 | -51.5 | -54.3 | -52.1 | -40.0 | -21.25 | 18.75 |
|      | VHT80, M0 to M9 4ss              | 4 | 15 | 6  | -51.6 | -51.5 | -54.3 | -52.1 | -40.0 | -21.25 | 18.75 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 14 | 9  | -53.3 | -52.6 |       |       | -40.7 | -21.25 | 19.45 |

|      |                                  |   |    |    |       |       |       |       |       |        |       |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 17 | 6  | -52.0 | -50.9 |       |       | -42.2 | -21.25 | 20.95 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 11 | 11 | -56.4 | -53.8 | -56.5 |       | -39.4 | -21.25 | 18.15 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 14 | 8  | -53.3 | -52.6 | -55.8 |       | -40.7 | -21.25 | 19.45 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 16 | 6  | -50.8 | -51.5 | -53.3 |       | -40.8 | -21.25 | 19.55 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 8  | 12 | -56.9 | -54.9 | -59.2 | -57.7 | -38.7 | -21.25 | 17.45 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 11 | 9  | -56.4 | -53.8 | -56.5 | -53.3 | -39.5 | -21.25 | 18.25 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 13 | 7  | -53.1 | -53.1 | -56.1 | -51.8 | -40.0 | -21.25 | 18.75 |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 15 | 6  | -51.6 | -51.5 | -54.3 | -52.1 | -40.0 | -21.25 | 18.75 |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 17 | 6  | -52.0 | -50.9 |       |       | -42.2 | -21.25 | 20.95 |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 16 | 6  | -50.8 | -51.5 | -53.3 |       | -40.8 | -21.25 | 19.55 |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 15 | 6  | -51.6 | -51.5 | -54.3 | -52.1 | -40.0 | -21.25 | 18.75 |
|      | HE80, M0 to M9 1ss               | 1 | 17 | 6  | -52.0 |       |       |       | -45.8 | -21.25 | 24.55 |
|      | HE80, M0 to M9 1ss               | 2 | 17 | 6  | -52.0 | -50.5 |       |       | -41.9 | -21.25 | 20.65 |
|      | HE80, M0 to M9 2ss               | 2 | 17 | 6  | -52.0 | -50.5 |       |       | -41.9 | -21.25 | 20.65 |
|      | HE80, M0 to M9 1ss               | 3 | 16 | 6  | -52.2 | -50.9 | -53.0 |       | -40.9 | -21.25 | 19.65 |
|      | HE80, M0 to M9 2ss               | 3 | 16 | 6  | -52.2 | -50.9 | -53.0 |       | -40.9 | -21.25 | 19.65 |
|      | HE80, M0 to M9 3ss               | 3 | 16 | 6  | -52.2 | -50.9 | -53.0 |       | -40.9 | -21.25 | 19.65 |
|      | HE80, M0 to M9 1ss               | 4 | 15 | 6  | -52.5 | -51.6 | -53.4 | -51.9 | -40.0 | -21.25 | 18.75 |
|      | HE80, M0 to M9 2ss               | 4 | 15 | 6  | -52.5 | -51.6 | -53.4 | -51.9 | -40.0 | -21.25 | 18.75 |
|      | HE80, M0 to M9 3ss               | 4 | 15 | 6  | -52.5 | -51.6 | -53.4 | -51.9 | -40.0 | -21.25 | 18.75 |
|      | HE80, M0 to M9 4ss               | 4 | 15 | 6  | -52.5 | -51.6 | -53.4 | -51.9 | -40.0 | -21.25 | 18.75 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 14 | 9  | -53.5 | -52.0 |       |       | -40.4 | -21.25 | 19.15 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 17 | 6  | -52.0 | -50.5 |       |       | -41.9 | -21.25 | 20.65 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 11 | 11 | -55.1 | -55.1 | -56.5 |       | -39.5 | -21.25 | 18.25 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 14 | 8  | -53.5 | -52.0 | -55.3 |       | -40.4 | -21.25 | 19.15 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 16 | 6  | -52.2 | -50.9 | -53.0 |       | -40.9 | -21.25 | 19.65 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 8  | 12 | -55.8 | -56.0 | -59.3 | -55.3 | -38.1 | -21.25 | 16.85 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 11 | 9  | -55.1 | -55.1 | -56.5 | -55.5 | -40.2 | -21.25 | 18.95 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 13 | 7  | -54.3 | -52.5 | -55.3 | -53.3 | -40.5 | -21.25 | 19.25 |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 15 | 6  | -52.5 | -51.6 | -53.4 | -51.9 | -40.0 | -21.25 | 18.75 |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 17 | 6  | -52.0 | -50.5 |       |       | -41.9 | -21.25 | 20.65 |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 16 | 6  | -52.2 | -50.9 | -53.0 |       | -40.9 | -21.25 | 19.65 |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 15 | 6  | -52.5 | -51.6 | -53.4 | -51.9 | -40.0 | -21.25 | 18.75 |
| 5690 |                                  |   |    |    |       |       |       |       |       |        |       |
|      | Non HT80, 6 to 54 Mbps           | 1 | 16 | 6  | -51.3 |       |       |       | -45.3 | -21.25 | 24.05 |
|      | Non HT80, 6 to 54 Mbps           | 2 | 16 | 6  | -51.3 | -49.2 |       |       | -41.1 | -21.25 | 19.85 |
|      | Non HT80, 6 to 54 Mbps           | 3 | 15 | 6  | -51.1 | -50.6 | -51.9 |       | -40.3 | -21.25 | 19.05 |
|      | Non HT80, 6 to 54 Mbps           | 4 | 14 | 6  | -52.5 | -51.4 | -52.1 | -49.8 | -39.3 | -21.25 | 18.05 |
|      | VHT80, M0 to M9 1ss              | 1 | 16 | 6  | -53.3 |       |       |       | -47.1 | -21.25 | 25.85 |
|      | VHT80, M0 to M9 1ss              | 2 | 16 | 6  | -53.3 | -52.4 |       |       | -43.6 | -21.25 | 22.35 |
|      | VHT80, M0 to M9 2ss              | 2 | 16 | 6  | -53.3 | -52.4 |       |       | -43.6 | -21.25 | 22.35 |

|                                  |   |    |    |       |       |       |       |       |        |       |
|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
| VHT80, M0 to M9 1ss              | 3 | 15 | 6  | -53.5 | -52.4 | -55.8 |       | -42.7 | -21.25 | 21.45 |
| VHT80, M0 to M9 2ss              | 3 | 15 | 6  | -53.5 | -52.4 | -55.8 |       | -42.7 | -21.25 | 21.45 |
| VHT80, M0 to M9 3ss              | 3 | 15 | 6  | -53.5 | -52.4 | -55.8 |       | -42.7 | -21.25 | 21.45 |
| VHT80, M0 to M9 1ss              | 4 | 14 | 6  | -54.2 | -52.5 | -56.6 | -54.3 | -41.9 | -21.25 | 20.65 |
| VHT80, M0 to M9 2ss              | 4 | 14 | 6  | -54.2 | -52.5 | -56.6 | -54.3 | -41.9 | -21.25 | 20.65 |
| VHT80, M0 to M9 3ss              | 4 | 14 | 6  | -54.2 | -52.5 | -56.6 | -54.3 | -41.9 | -21.25 | 20.65 |
| VHT80, M0 to M9 4ss              | 4 | 14 | 6  | -54.2 | -52.5 | -56.6 | -54.3 | -41.9 | -21.25 | 20.65 |
| VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | -54.8 | -54.1 |       |       | -42.2 | -21.25 | 20.95 |
| VHT80 Beam Forming, M0 to M9 2ss | 2 | 16 | 6  | -53.3 | -52.4 |       |       | -43.6 | -21.25 | 22.35 |
| VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | -56.4 | -55.4 | -56.6 |       | -40.1 | -21.25 | 18.85 |
| VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | -54.8 | -54.1 | -55.4 |       | -41.7 | -21.25 | 20.45 |
| VHT80 Beam Forming, M0 to M9 3ss | 3 | 15 | 6  | -53.5 | -52.4 | -55.8 |       | -42.7 | -21.25 | 21.45 |
| VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | -58.2 | -56.0 | -60.1 | -59.3 | -39.9 | -21.25 | 18.65 |
| VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | -56.4 | -55.4 | -56.6 | -55.1 | -40.6 | -21.25 | 19.35 |
| VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | -56.1 | -55.8 | -55.7 | -55.0 | -42.4 | -21.25 | 21.15 |
| VHT80 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | -54.2 | -52.5 | -56.6 | -54.3 | -41.9 | -21.25 | 20.65 |
| VHT80 STBC, M0 to M9 1ss         | 2 | 16 | 6  | -53.3 | -52.4 |       |       | -43.6 | -21.25 | 22.35 |
| VHT80 STBC, M0 to M9 1ss         | 3 | 15 | 6  | -53.5 | -52.4 | -55.8 |       | -42.7 | -21.25 | 21.45 |
| VHT80 STBC, M0 to M9 1ss         | 4 | 14 | 6  | -54.2 | -52.5 | -56.6 | -54.3 | -41.9 | -21.25 | 20.65 |
| HE80, M0 to M9 1ss               | 1 | 16 | 6  | -52.7 |       |       |       | -46.5 | -21.25 | 25.25 |
| HE80, M0 to M9 1ss               | 2 | 16 | 6  | -52.7 | -52.3 |       |       | -43.2 | -21.25 | 21.95 |
| HE80, M0 to M9 2ss               | 2 | 16 | 6  | -52.7 | -52.3 |       |       | -43.2 | -21.25 | 21.95 |
| HE80, M0 to M9 1ss               | 3 | 15 | 6  | -53.9 | -52.4 | -53.6 |       | -42.2 | -21.25 | 20.95 |
| HE80, M0 to M9 2ss               | 3 | 15 | 6  | -53.9 | -52.4 | -53.6 |       | -42.2 | -21.25 | 20.95 |
| HE80, M0 to M9 3ss               | 3 | 15 | 6  | -53.9 | -52.4 | -53.6 |       | -42.2 | -21.25 | 20.95 |
| HE80, M0 to M9 1ss               | 4 | 14 | 6  | -54.0 | -53.4 | -56.1 | -53.1 | -41.7 | -21.25 | 20.45 |
| HE80, M0 to M9 2ss               | 4 | 14 | 6  | -54.0 | -53.4 | -56.1 | -53.1 | -41.7 | -21.25 | 20.45 |
| HE80, M0 to M9 3ss               | 4 | 14 | 6  | -54.0 | -53.4 | -56.1 | -53.1 | -41.7 | -21.25 | 20.45 |
| HE80, M0 to M9 4ss               | 4 | 14 | 6  | -54.0 | -53.4 | -56.1 | -53.1 | -41.7 | -21.25 | 20.45 |
| HE80 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | -54.5 | -53.3 |       |       | -41.6 | -21.25 | 20.35 |
| HE80 Beam Forming, M0 to M9 2ss  | 2 | 16 | 6  | -52.7 | -52.3 |       |       | -43.2 | -21.25 | 21.95 |
| HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -56.5 | -55.7 | -56.7 |       | -40.3 | -21.25 | 19.05 |
| HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -54.5 | -53.3 | -56.8 |       | -41.6 | -21.25 | 20.35 |
| HE80 Beam Forming, M0 to M9 3ss  | 3 | 15 | 6  | -53.9 | -52.4 | -53.6 |       | -42.2 | -21.25 | 20.95 |
| HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -56.5 | -55.6 | -60.3 | -58.0 | -39.0 | -21.25 | 17.75 |
| HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -56.5 | -55.7 | -56.7 | -55.7 | -40.9 | -21.25 | 19.65 |
| HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -54.9 | -55.1 | -56.4 | -54.9 | -42.0 | -21.25 | 20.75 |
| HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -54.0 | -53.4 | -56.1 | -53.1 | -41.7 | -21.25 | 20.45 |
| HE80 STBC, M0 to M9 1ss          | 2 | 16 | 6  | -52.7 | -52.3 |       |       | -43.2 | -21.25 | 21.95 |
| HE80 STBC, M0 to M9 1ss          | 3 | 15 | 6  | -53.9 | -52.4 | -53.6 |       | -42.2 | -21.25 | 20.95 |
| HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | -54.0 | -53.4 | -56.1 | -53.1 | -41.7 | -21.25 | 20.45 |

|      |                                     |   |    |    |       |       |       |       |       |        |       |
|------|-------------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
| 5700 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | -51.3 |       |       |       | -45.3 | -21.25 | 24.05 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 6  | -52.1 | -51.3 |       |       | -42.6 | -21.25 | 21.35 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | -53.8 | -53.7 | -54.4 |       | -43.1 | -21.25 | 21.85 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | -54.3 | -53.2 | -54.2 | -53.2 | -41.6 | -21.25 | 20.35 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | -52.3 | -51.0 |       |       | -39.5 | -21.25 | 18.25 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | -55.0 | -54.2 | -55.3 |       | -39.0 | -21.25 | 17.75 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | -54.7 | -54.3 | -57.2 | -53.0 | -36.5 | -21.25 | 15.25 |
|      | HT/VHT20, M0 to M7                  | 1 | 15 | 6  | -53.7 |       |       |       | -47.7 | -21.25 | 26.45 |
|      | HT/VHT20, M0 to M7                  | 2 | 15 | 6  | -53.7 | -52.2 |       |       | -43.8 | -21.25 | 22.55 |
|      | HT/VHT20, M8 to M15                 | 2 | 15 | 6  | -53.7 | -52.2 |       |       | -43.8 | -21.25 | 22.55 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 6  | -55.2 | -54.4 | -56.2 |       | -44.4 | -21.25 | 23.15 |
|      | HT/VHT20, M8 to M15                 | 3 | 14 | 6  | -54.0 | -52.6 | -55.3 |       | -43.0 | -21.25 | 21.75 |
|      | HT/VHT20, M16 to M23                | 3 | 14 | 6  | -54.0 | -52.6 | -55.3 |       | -43.0 | -21.25 | 21.75 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | -56.7 | -56.0 | -56.1 | -54.5 | -43.7 | -21.25 | 22.45 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | -54.0 | -54.6 | -55.5 | -53.8 | -42.4 | -21.25 | 21.15 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 6  | -54.0 | -52.6 | -55.3 | -52.6 | -41.4 | -21.25 | 20.15 |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | -54.0 | -52.6 | -55.3 | -52.6 | -41.4 | -21.25 | 20.15 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | -54.0 | -52.6 |       |       | -41.2 | -21.25 | 19.95 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 15 | 6  | -53.7 | -52.2 |       |       | -43.8 | -21.25 | 22.55 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | -56.2 | -55.0 | -56.6 |       | -40.1 | -21.25 | 18.85 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | -54.0 | -52.6 | -55.3 |       | -41.0 | -21.25 | 19.75 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 14 | 6  | -54.0 | -52.6 | -55.3 |       | -43.0 | -21.25 | 21.75 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | -56.1 | -55.8 | -59.2 | -55.0 | -38.2 | -21.25 | 16.95 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | -56.2 | -55.0 | -56.6 | -55.1 | -40.6 | -21.25 | 19.35 |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | -54.0 | -54.6 | -55.5 | -53.8 | -41.4 | -21.25 | 20.15 |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 14 | 6  | -54.0 | -52.6 | -55.3 | -52.6 | -41.4 | -21.25 | 20.15 |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 15 | 6  | -53.7 | -52.2 |       |       | -43.8 | -21.25 | 22.55 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 14 | 6  | -54.0 | -52.6 | -55.3 |       | -43.0 | -21.25 | 21.75 |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 6  | -54.0 | -54.6 | -55.5 | -53.8 | -42.4 | -21.25 | 21.15 |
|      | HE20, M0 to M9 1ss                  | 1 | 14 | 6  | -51.9 |       |       |       | -45.8 | -21.25 | 24.55 |
|      | HE20, M0 to M9 1ss                  | 2 | 14 | 6  | -51.9 | -50.4 |       |       | -42.0 | -21.25 | 20.75 |
|      | HE20, M0 to M9 2ss                  | 2 | 14 | 6  | -51.9 | -50.4 |       |       | -42.0 | -21.25 | 20.75 |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 6  | -54.0 | -53.4 | -54.9 |       | -43.2 | -21.25 | 21.95 |
|      | HE20, M0 to M9 2ss                  | 3 | 14 | 6  | -51.9 | -50.4 | -54.0 |       | -41.0 | -21.25 | 19.75 |
|      | HE20, M0 to M9 3ss                  | 3 | 14 | 6  | -51.9 | -50.4 | -54.0 |       | -41.0 | -21.25 | 19.75 |
|      | HE20, M0 to M9 1ss                  | 4 | 10 | 6  | -55.1 | -54.0 | -54.3 | -53.1 | -42.0 | -21.25 | 20.75 |
|      | HE20, M0 to M9 2ss                  | 4 | 13 | 6  | -53.5 | -53.3 | -53.3 | -52.4 | -41.0 | -21.25 | 19.75 |
|      | HE20, M0 to M9 3ss                  | 4 | 13 | 6  | -53.5 | -53.3 | -53.3 | -52.4 | -41.0 | -21.25 | 19.75 |
|      | HE20, M0 to M9 4ss                  | 4 | 13 | 6  | -53.5 | -53.3 | -53.3 | -52.4 | -41.0 | -21.25 | 19.75 |
|      | HE20 Beam Forming, M0 to M9 1ss     | 2 | 14 | 9  | -51.9 | -50.4 |       |       | -39.0 | -21.25 | 17.75 |



|      |                                   |   |    |    |       |       |       |       |       |        |       |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | HE20 Beam Forming, M0 to M9 2ss   | 2 | 14 | 6  | -51.9 | -50.4 |       |       | -42.0 | -21.25 | 20.75 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | -55.1 | -53.1 | -54.4 |       | -38.3 | -21.25 | 17.05 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | -51.9 | -50.4 | -54.0 |       | -39.0 | -21.25 | 17.75 |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3 | 14 | 6  | -51.9 | -50.4 | -54.0 |       | -41.0 | -21.25 | 19.75 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | -55.9 | -56.5 | -55.0 | -56.0 | -37.7 | -21.25 | 16.45 |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4 | 11 | 9  | -55.1 | -53.1 | -54.4 | -52.7 | -38.6 | -21.25 | 17.35 |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4 | 13 | 7  | -53.5 | -53.3 | -53.3 | -52.4 | -40.0 | -21.25 | 18.75 |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4 | 13 | 6  | -53.5 | -53.3 | -53.3 | -52.4 | -41.0 | -21.25 | 19.75 |
|      | HE20 STBC, M0 to M9 2ss           | 2 | 14 | 6  | -51.9 | -50.4 |       |       | -42.0 | -21.25 | 20.75 |
|      | HE20 STBC, M0 to M9 2ss           | 3 | 14 | 6  | -51.9 | -50.4 | -54.0 |       | -41.0 | -21.25 | 19.75 |
|      | HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | -53.5 | -53.3 | -53.3 | -52.4 | -41.0 | -21.25 | 19.75 |
|      |                                   |   |    |    |       |       |       |       |       |        |       |
| 5710 | Non HT40, 6 to 54 Mbps            | 1 | 17 | 6  | -49.8 |       |       |       | -43.8 | -21.25 | 22.55 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 17 | 6  | -49.8 | -49.9 |       |       | -40.8 | -21.25 | 19.55 |
|      | Non HT40, 6 to 54 Mbps            | 3 | 15 | 6  | -52.0 | -50.3 | -52.4 |       | -40.6 | -21.25 | 19.35 |
|      | Non HT40, 6 to 54 Mbps            | 4 | 12 | 6  | -54.6 | -53.0 | -53.0 | -51.8 | -40.9 | -21.25 | 19.65 |
|      | HT/VHT40, M0 to M7                | 1 | 17 | 6  | -52.5 |       |       |       | -46.4 | -21.25 | 25.15 |
|      | HT/VHT40, M0 to M7                | 2 | 17 | 6  | -52.5 | -51.5 |       |       | -42.9 | -21.25 | 21.65 |
|      | HT/VHT40, M8 to M15               | 2 | 17 | 6  | -52.5 | -51.5 |       |       | -42.9 | -21.25 | 21.65 |
|      | HT/VHT40, M0 to M7                | 3 | 15 | 6  | -53.8 | -52.2 | -53.3 |       | -42.2 | -21.25 | 20.95 |
|      | HT/VHT40, M8 to M15               | 3 | 16 | 6  | -53.5 | -51.4 | -52.7 |       | -41.6 | -21.25 | 20.35 |
|      | HT/VHT40, M16 to M23              | 3 | 16 | 6  | -53.5 | -51.4 | -52.7 |       | -41.6 | -21.25 | 20.35 |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 6  | -55.2 | -54.0 | -55.7 | -53.2 | -42.3 | -21.25 | 21.05 |
|      | HT/VHT40, M8 to M15               | 4 | 15 | 6  | -53.8 | -52.2 | -53.3 | -52.2 | -40.7 | -21.25 | 19.45 |
|      | HT/VHT40, M16 to M23              | 4 | 15 | 6  | -53.8 | -52.2 | -53.3 | -52.2 | -40.7 | -21.25 | 19.45 |
|      | HT/VHT40, M24 to M31              | 4 | 15 | 6  | -53.8 | -52.2 | -53.3 | -52.2 | -40.7 | -21.25 | 19.45 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | -54.3 | -50.4 |       |       | -39.8 | -21.25 | 18.55 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | -52.5 | -51.5 |       |       | -42.9 | -21.25 | 21.65 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | -56.7 | -54.6 | -56.2 |       | -39.9 | -21.25 | 18.65 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | -54.3 | -50.4 | -55.0 |       | -39.8 | -21.25 | 18.55 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | -53.5 | -51.4 | -52.7 |       | -41.6 | -21.25 | 20.35 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | -56.9 | -55.2 | -59.1 | -55.2 | -38.2 | -21.25 | 16.95 |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | -56.7 | -54.6 | -56.2 | -54.1 | -40.1 | -21.25 | 18.85 |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | -55.2 | -54.0 | -55.7 | -53.2 | -41.3 | -21.25 | 20.05 |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | -53.8 | -52.2 | -53.3 | -52.2 | -40.7 | -21.25 | 19.45 |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | -52.5 | -51.5 |       |       | -42.9 | -21.25 | 21.65 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 16 | 6  | -53.5 | -51.4 | -52.7 |       | -41.6 | -21.25 | 20.35 |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 15 | 6  | -53.8 | -52.2 | -53.3 | -52.2 | -40.7 | -21.25 | 19.45 |
|      | HE40, M0 to M9 1ss                | 1 | 17 | 6  | -51.8 |       |       |       | -45.7 | -21.25 | 24.45 |
|      | HE40, M0 to M9 1ss                | 2 | 17 | 6  | -51.8 | -50.3 |       |       | -41.8 | -21.25 | 20.55 |
|      | HE40, M0 to M9 2ss                | 2 | 17 | 6  | -51.8 | -50.3 |       |       | -41.8 | -21.25 | 20.55 |



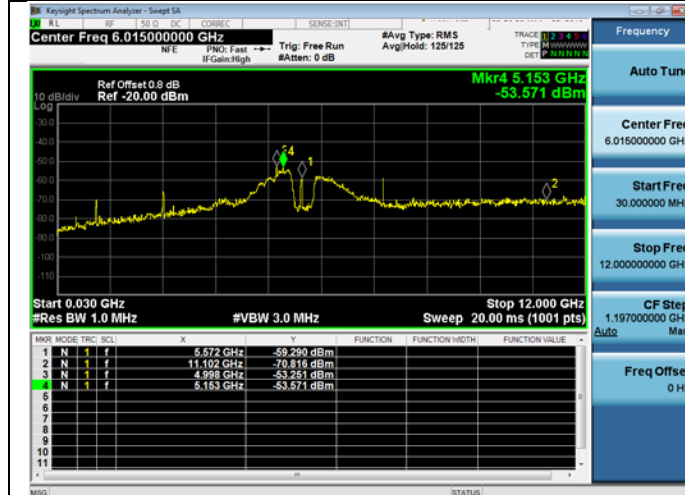
|      |                                     |   |    |    |       |       |       |       |       |        |       |
|------|-------------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
|      | HE40, M0 to M9 1ss                  | 3 | 15 | 6  | -51.8 | -50.8 | -51.8 |       | -40.5 | -21.25 | 19.25 |
|      | HE40, M0 to M9 2ss                  | 3 | 16 | 6  | -52.2 | -50.4 | -51.5 |       | -40.4 | -21.25 | 19.15 |
|      | HE40, M0 to M9 3ss                  | 3 | 16 | 6  | -52.2 | -50.4 | -51.5 |       | -40.4 | -21.25 | 19.15 |
|      | HE40, M0 to M9 1ss                  | 4 | 13 | 6  | -53.2 | -53.5 | -52.6 | -52.8 | -40.9 | -21.25 | 19.65 |
|      | HE40, M0 to M9 2ss                  | 4 | 15 | 6  | -51.8 | -50.8 | -51.8 | -50.7 | -39.1 | -21.25 | 17.85 |
|      | HE40, M0 to M9 3ss                  | 4 | 15 | 6  | -51.8 | -50.8 | -51.8 | -50.7 | -39.1 | -21.25 | 17.85 |
|      | HE40, M0 to M9 4ss                  | 4 | 15 | 6  | -51.8 | -50.8 | -51.8 | -50.7 | -39.1 | -21.25 | 17.85 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 2 | 14 | 9  | -52.4 | -51.2 |       |       | -39.6 | -21.25 | 18.35 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 2 | 17 | 6  | -51.8 | -50.3 |       |       | -41.8 | -21.25 | 20.55 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 3 | 11 | 11 | -54.0 | -53.6 | -53.5 |       | -37.8 | -21.25 | 16.55 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 3 | 14 | 8  | -52.4 | -51.2 | -51.6 |       | -38.8 | -21.25 | 17.55 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 3 | 16 | 6  | -52.2 | -50.4 | -51.5 |       | -40.4 | -21.25 | 19.15 |
|      | HE40 Beam Forming, M0 to M9 1ss     | 4 | 8  | 12 | -55.1 | -56.0 | -55.7 | -56.1 | -37.6 | -21.25 | 16.35 |
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | -54.0 | -53.6 | -53.5 | -53.9 | -38.6 | -21.25 | 17.35 |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | -53.2 | -53.5 | -52.6 | -52.8 | -39.9 | -21.25 | 18.65 |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | -51.8 | -50.8 | -51.8 | -50.7 | -39.1 | -21.25 | 17.85 |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | -51.8 | -50.3 |       |       | -41.8 | -21.25 | 20.55 |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 6  | -52.2 | -50.4 | -51.5 |       | -40.4 | -21.25 | 19.15 |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 6  | -51.8 | -50.8 | -51.8 | -50.7 | -39.1 | -21.25 | 17.85 |
|      |                                     |   |    |    |       |       |       |       |       |        |       |
| 5720 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | -51.2 |       |       |       | -45.2 | -21.25 | 23.95 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 16 | 6  | -51.2 | -50.5 |       |       | -41.8 | -21.25 | 20.55 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | -52.9 | -53.4 | -54.4 |       | -42.7 | -21.25 | 21.45 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | -54.9 | -54.3 | -55.5 | -53.4 | -42.4 | -21.25 | 21.15 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 13 | 9  | -53.5 | -53.0 |       |       | -41.2 | -21.25 | 19.95 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 10 | 11 | -54.9 | -54.3 | -55.5 |       | -39.1 | -21.25 | 17.85 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 7  | 12 | -55.3 | -57.2 | -58.6 | -55.7 | -38.4 | -21.25 | 17.15 |
|      | HT/VHT20, M0 to M7                  | 1 | 16 | 6  | -53.3 |       |       |       | -47.3 | -21.25 | 26.05 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 6  | -53.3 | -52.2 |       |       | -43.7 | -21.25 | 22.45 |
|      | HT/VHT20, M8 to M15                 | 2 | 16 | 6  | -53.3 | -52.2 |       |       | -43.7 | -21.25 | 22.45 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 6  | -55.8 | -54.3 | -55.4 |       | -44.3 | -21.25 | 23.05 |
|      | HT/VHT20, M8 to M15                 | 3 | 15 | 6  | -54.4 | -51.6 | -53.2 |       | -42.1 | -21.25 | 20.85 |
|      | HT/VHT20, M16 to M23                | 3 | 15 | 6  | -54.4 | -51.6 | -53.2 |       | -42.1 | -21.25 | 20.85 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | -55.6 | -55.6 | -56.5 | -55.2 | -43.6 | -21.25 | 22.35 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | -55.2 | -54.6 | -56.1 | -54.0 | -42.8 | -21.25 | 21.55 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 6  | -54.7 | -53.3 | -55.9 | -52.4 | -41.8 | -21.25 | 20.55 |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | -54.7 | -53.3 | -55.9 | -52.4 | -41.8 | -21.25 | 20.55 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 13 | 9  | -55.2 | -54.6 |       |       | -42.8 | -21.25 | 21.55 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 16 | 6  | -53.3 | -52.2 |       |       | -43.7 | -21.25 | 22.45 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 10 | 11 | -55.6 | -55.6 | -56.5 |       | -40.1 | -21.25 | 18.85 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 13 | 8  | -55.2 | -54.6 | -56.1 |       | -42.4 | -21.25 | 21.15 |

|                                   |   |    |    |       |       |       |       |       |        |       |
|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-------|
| HT/VHT20 Beam Forming, M16 to M23 | 3 | 15 | 6  | -54.4 | -51.6 | -53.2 |       | -42.1 | -21.25 | 20.85 |
| HT/VHT20 Beam Forming, M0 to M7   | 4 | 7  | 12 | -58.6 | -57.9 | -59.5 | -55.2 | -39.4 | -21.25 | 18.15 |
| HT/VHT20 Beam Forming, M8 to M15  | 4 | 10 | 9  | -55.6 | -55.6 | -56.5 | -55.2 | -40.6 | -21.25 | 19.35 |
| HT/VHT20 Beam Forming, M16 to M23 | 4 | 12 | 7  | -55.8 | -54.3 | -55.4 | -54.4 | -41.9 | -21.25 | 20.65 |
| HT/VHT20 Beam Forming, M24 to M31 | 4 | 14 | 6  | -54.7 | -53.3 | -55.9 | -52.4 | -41.8 | -21.25 | 20.55 |
| HT/VHT20 STBC, M0 to M7           | 2 | 16 | 6  | -53.3 | -52.2 |       |       | -43.7 | -21.25 | 22.45 |
| HT/VHT20 STBC, M0 to M7           | 3 | 15 | 6  | -54.4 | -51.6 | -53.2 |       | -42.1 | -21.25 | 20.85 |
| HT/VHT20 STBC, M0 to M7           | 4 | 13 | 6  | -55.2 | -54.6 | -56.1 | -54.0 | -42.8 | -21.25 | 21.55 |
| HE20, M0 to M9 1ss                | 1 | 16 | 6  | -52.6 |       |       |       | -46.5 | -21.25 | 25.25 |
| HE20, M0 to M9 1ss                | 2 | 16 | 6  | -52.6 | -49.5 |       |       | -41.7 | -21.25 | 20.45 |
| HE20, M0 to M9 2ss                | 2 | 16 | 6  | -52.6 | -49.5 |       |       | -41.7 | -21.25 | 20.45 |
| HE20, M0 to M9 1ss                | 3 | 12 | 6  | -53.1 | -52.9 | -54.2 |       | -42.5 | -21.25 | 21.25 |
| HE20, M0 to M9 2ss                | 3 | 15 | 6  | -51.6 | -51.4 | -53.2 |       | -41.2 | -21.25 | 19.95 |
| HE20, M0 to M9 3ss                | 3 | 15 | 6  | -51.6 | -51.4 | -53.2 |       | -41.2 | -21.25 | 19.95 |
| HE20, M0 to M9 1ss                | 4 | 10 | 6  | -54.0 | -53.0 | -55.1 | -53.2 | -41.7 | -21.25 | 20.45 |
| HE20, M0 to M9 2ss                | 4 | 13 | 6  | -53.4 | -52.6 | -53.2 | -51.9 | -40.6 | -21.25 | 19.35 |
| HE20, M0 to M9 3ss                | 4 | 14 | 6  | -52.6 | -51.3 | -53.0 | -51.2 | -39.9 | -21.25 | 18.65 |
| HE20, M0 to M9 4ss                | 4 | 14 | 6  | -52.6 | -51.3 | -53.0 | -51.2 | -39.9 | -21.25 | 18.65 |
| HE20 Beam Forming, M0 to M9 1ss   | 2 | 13 | 9  | -53.4 | -52.6 |       |       | -40.9 | -21.25 | 19.65 |
| HE20 Beam Forming, M0 to M9 2ss   | 2 | 16 | 6  | -52.6 | -49.5 |       |       | -41.7 | -21.25 | 20.45 |
| HE20 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | -54.0 | -53.0 | -55.1 |       | -38.1 | -21.25 | 16.85 |
| HE20 Beam Forming, M0 to M9 2ss   | 3 | 13 | 8  | -53.4 | -52.6 | -53.2 |       | -40.2 | -21.25 | 18.95 |
| HE20 Beam Forming, M0 to M9 3ss   | 3 | 15 | 6  | -51.6 | -51.4 | -53.2 |       | -41.2 | -21.25 | 19.95 |
| HE20 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | -54.8 | -55.9 | -57.6 | -55.6 | -37.8 | -21.25 | 16.55 |
| HE20 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | -54.0 | -53.0 | -55.1 | -53.2 | -38.7 | -21.25 | 17.45 |
| HE20 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | -53.1 | -52.9 | -54.2 | -53.3 | -40.3 | -21.25 | 19.05 |
| HE20 Beam Forming, M0 to M9 4ss   | 4 | 14 | 6  | -52.6 | -51.3 | -53.0 | -51.2 | -39.9 | -21.25 | 18.65 |
| HE20 STBC, M0 to M9 2ss           | 2 | 16 | 6  | -52.6 | -49.5 |       |       | -41.7 | -21.25 | 20.45 |
| HE20 STBC, M0 to M9 2ss           | 3 | 15 | 6  | -51.6 | -51.4 | -53.2 |       | -41.2 | -21.25 | 19.95 |
| HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | -53.4 | -52.6 | -53.2 | -51.9 | -40.6 | -21.25 | 19.35 |

## 5.5.5 Conducted Spurious Emissions Plots – Peak 30MHz – 12GHz

### HE20 Beamforming, 5560MHz, M0h1

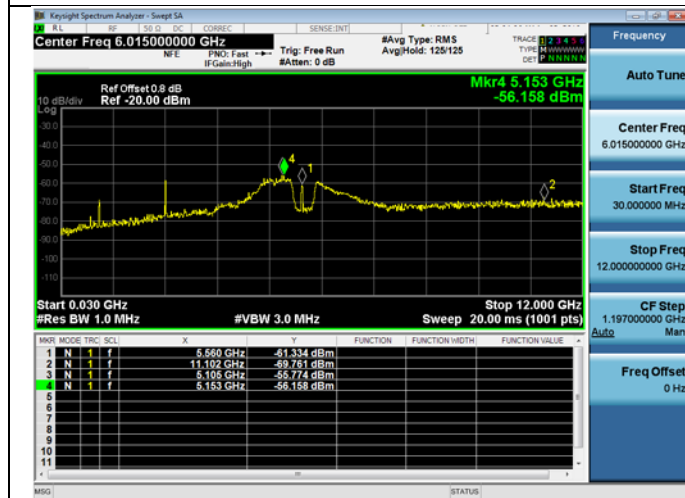
#### Antenna A



#### Antenna B



#### Antenna C



#### Antenna D



### 5.5.6 Conducted Spurious Emissions Data Table - Average

| Frequency (MHz) | Mode                                | Tx Paths | Index Power (dBm) | Correlated Antenna Gain (dBi) | Tx 1 Spur Power (dBm) | Tx 2 Spur Power (dBm) | Tx 3 Spur Power (dBm) | Tx 4 Spur Power (dBm) | Total Conducted Spur (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------------------|----------|-------------------|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-------------|-------------|
| 5500            | Non HT20, 6 to 54 Mbps              | 1        | 16                | 6                             | -58.4                 |                       |                       |                       | -52.4                      | -41.25      | 11.1        |
|                 | Non HT20, 6 to 54 Mbps              | 2        | 15                | 6                             | -58.8                 | -58.8                 |                       |                       | -49.7                      | -41.25      | 8.5         |
|                 | Non HT20, 6 to 54 Mbps              | 3        | 12                | 6                             | -61.8                 | -60.6                 | -63.3                 |                       | -50.9                      | -41.25      | 9.7         |
|                 | Non HT20, 6 to 54 Mbps              | 4        | 9                 | 6                             | -63.8                 | -63.1                 | -64.5                 | -62.4                 | -51.3                      | -41.25      | 10.1        |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 2        | 13                | 9                             | -60.8                 | -60.2                 |                       |                       | -48.4                      | -41.25      | 7.2         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 3        | 10                | 11                            | -63.1                 | -62.6                 | -64.3                 |                       | -47.5                      | -41.25      | 6.2         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 4        | 7                 | 12                            | -66.5                 | -63.4                 | -67.3                 | -63.3                 | -46.7                      | -41.25      | 5.4         |
|                 | HT/VHT20, M0 to M7                  | 1        | 16                | 6                             | -60.7                 |                       |                       |                       | -54.7                      | -41.25      | 13.4        |
|                 | HT/VHT20, M0 to M7                  | 2        | 16                | 6                             | -60.7                 | -60.6                 |                       |                       | -51.6                      | -41.25      | 10.3        |
|                 | HT/VHT20, M8 to M15                 | 2        | 16                | 6                             | -60.7                 | -60.6                 |                       |                       | -51.6                      | -41.25      | 10.3        |
|                 | HT/VHT20, M0 to M7                  | 3        | 12                | 6                             | -64.2                 | -63.6                 | -65.3                 |                       | -53.5                      | -41.25      | 12.2        |
|                 | HT/VHT20, M8 to M15                 | 3        | 15                | 6                             | -61.0                 | -60.9                 | -62.4                 |                       | -50.6                      | -41.25      | 9.3         |
|                 | HT/VHT20, M16 to M23                | 3        | 15                | 6                             | -61.0                 | -60.9                 | -62.4                 |                       | -50.6                      | -41.25      | 9.3         |
|                 | HT/VHT20, M0 to M7                  | 4        | 10                | 6                             | -64.9                 | -63.9                 | -65.5                 | -63.3                 | -52.2                      | -41.25      | 11.0        |
|                 | HT/VHT20, M8 to M15                 | 4        | 13                | 6                             | -63.5                 | -62.6                 | -64.8                 | -61.1                 | -50.7                      | -41.25      | 9.5         |
|                 | HT/VHT20, M16 to M23                | 4        | 14                | 6                             | -61.7                 | -61.4                 | -64.4                 | -60.9                 | -49.8                      | -41.25      | 8.6         |
|                 | HT/VHT20, M24 to M31                | 4        | 14                | 6                             | -61.7                 | -61.4                 | -64.4                 | -60.9                 | -49.8                      | -41.25      | 8.6         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 2        | 13                | 9                             | -63.5                 | -62.6                 |                       |                       | -51.0                      | -41.25      | 9.7         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 2        | 16                | 6                             | -60.7                 | -60.6                 |                       |                       | -51.6                      | -41.25      | 10.3        |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 3        | 10                | 11                            | -64.9                 | -63.9                 | -65.5                 |                       | -48.9                      | -41.25      | 7.6         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 3        | 13                | 8                             | -63.5                 | -62.6                 | -64.8                 |                       | -50.7                      | -41.25      | 9.5         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 3        | 15                | 6                             | -61.0                 | -60.9                 | -62.4                 |                       | -50.6                      | -41.25      | 9.3         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 4        | 7                 | 12                            | -66.1                 | -67.8                 | -68.8                 | -64.4                 | -48.4                      | -41.25      | 7.1         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 4        | 10                | 9                             | -64.9                 | -63.9                 | -65.5                 | -63.3                 | -49.2                      | -41.25      | 8.0         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 4        | 12                | 7                             | -64.2                 | -63.6                 | -65.3                 | -62.5                 | -50.7                      | -41.25      | 9.5         |
|                 | HT/VHT20 Beam Forming, M24 to M31   | 4        | 14                | 6                             | -61.7                 | -61.4                 | -64.4                 | -60.9                 | -49.8                      | -41.25      | 8.6         |
|                 | HT/VHT20 STBC, M0 to M7             | 2        | 16                | 6                             | -60.7                 | -60.6                 |                       |                       | -51.6                      | -41.25      | 10.3        |

|      |                                  |   |    |    |       |       |       |       |       |        |      |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HT/VHT20 STBC, M0 to M7          | 3 | 15 | 6  | -61.0 | -60.9 | -62.4 |       | -50.6 | -41.25 | 9.3  |
|      | HT/VHT20 STBC, M0 to M7          | 4 | 13 | 6  | -63.5 | -62.6 | -64.8 | -61.1 | -50.7 | -41.25 | 9.5  |
|      | HE20, M0 to M9 1ss               | 1 | 16 | 6  | -58.2 |       |       |       | -52.1 | -41.25 | 10.9 |
|      | HE20, M0 to M9 1ss               | 2 | 15 | 6  | -59.2 | -58.8 |       |       | -49.9 | -41.25 | 8.7  |
|      | HE20, M0 to M9 2ss               | 2 | 15 | 6  | -59.2 | -58.8 |       |       | -49.9 | -41.25 | 8.7  |
|      | HE20, M0 to M9 1ss               | 3 | 12 | 6  | -62.0 | -60.6 | -63.2 |       | -51.0 | -41.25 | 9.7  |
|      | HE20, M0 to M9 2ss               | 3 | 15 | 6  | -59.2 | -58.8 | -60.4 |       | -48.6 | -41.25 | 7.3  |
|      | HE20, M0 to M9 3ss               | 3 | 15 | 6  | -59.2 | -58.8 | -60.4 |       | -48.6 | -41.25 | 7.3  |
|      | HE20, M0 to M9 1ss               | 4 | 9  | 6  | -63.6 | -62.8 | -64.0 | -62.3 | -51.0 | -41.25 | 9.8  |
|      | HE20, M0 to M9 2ss               | 4 | 13 | 6  | -61.0 | -60.0 | -62.6 | -59.1 | -48.4 | -41.25 | 7.1  |
|      | HE20, M0 to M9 3ss               | 4 | 14 | 6  | -59.7 | -59.4 | -62.3 | -58.4 | -47.6 | -41.25 | 6.4  |
|      | HE20, M0 to M9 4ss               | 4 | 14 | 6  | -59.7 | -59.4 | -62.3 | -58.4 | -47.6 | -41.25 | 6.4  |
|      | HE20 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | -61.0 | -60.0 |       |       | -48.4 | -41.25 | 7.1  |
|      | HE20 Beam Forming, M0 to M9 2ss  | 2 | 15 | 6  | -59.2 | -58.8 |       |       | -49.9 | -41.25 | 8.7  |
|      | HE20 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -63.1 | -62.7 | -64.2 |       | -47.4 | -41.25 | 6.2  |
|      | HE20 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -61.0 | -60.0 | -62.6 |       | -48.2 | -41.25 | 7.0  |
|      | HE20 Beam Forming, M0 to M9 3ss  | 3 | 15 | 6  | -59.2 | -58.8 | -60.4 |       | -48.6 | -41.25 | 7.3  |
|      | HE20 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -66.4 | -63.4 | -67.1 | -65.0 | -47.1 | -41.25 | 5.9  |
|      | HE20 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -63.1 | -62.7 | -64.2 | -61.5 | -47.7 | -41.25 | 6.4  |
|      | HE20 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -62.0 | -60.6 | -63.2 | -60.1 | -48.2 | -41.25 | 7.0  |
|      | HE20 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -59.7 | -59.4 | -62.3 | -58.4 | -47.6 | -41.25 | 6.4  |
|      | HE20 STBC, M0 to M9 2ss          | 2 | 15 | 6  | -59.2 | -58.8 |       |       | -49.9 | -41.25 | 8.7  |
|      | HE20 STBC, M0 to M9 2ss          | 3 | 15 | 6  | -59.2 | -58.8 | -60.4 |       | -48.6 | -41.25 | 7.3  |
|      | HE20 STBC, M0 to M9 2ss          | 4 | 13 | 6  | -61.0 | -60.0 | -62.6 | -59.1 | -48.4 | -41.25 | 7.1  |
|      |                                  |   |    |    |       |       |       |       |       |        |      |
| 5510 | Non HT40, 6 to 54 Mbps           | 1 | 13 | 6  | -61.0 |       |       |       | -55.0 | -41.25 | 13.7 |
|      | Non HT40, 6 to 54 Mbps           | 2 | 13 | 6  | -61.0 | -60.3 |       |       | -51.6 | -41.25 | 10.3 |
|      | Non HT40, 6 to 54 Mbps           | 3 | 13 | 6  | -61.0 | -60.3 | -62.6 |       | -50.4 | -41.25 | 9.1  |
|      | Non HT40, 6 to 54 Mbps           | 4 | 12 | 6  | -61.9 | -60.5 | -63.1 | -60.1 | -49.2 | -41.25 | 7.9  |
|      | HT/VHT40, M0 to M7               | 1 | 15 | 6  | -61.0 |       |       |       | -54.9 | -41.25 | 13.6 |
|      | HT/VHT40, M0 to M7               | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HT/VHT40, M8 to M15              | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HT/VHT40, M0 to M7               | 3 | 14 | 6  | -61.8 | -60.9 | -62.9 |       | -50.9 | -41.25 | 9.7  |
|      | HT/VHT40, M8 to M15              | 3 | 14 | 6  | -61.8 | -60.9 | -62.9 |       | -50.9 | -41.25 | 9.7  |
|      | HT/VHT40, M16 to M23             | 3 | 14 | 6  | -61.8 | -60.9 | -62.9 |       | -50.9 | -41.25 | 9.7  |
|      | HT/VHT40, M0 to M7               | 4 | 13 | 6  | -62.3 | -61.3 | -64.6 | -61.1 | -50.0 | -41.25 | 8.7  |
|      | HT/VHT40, M8 to M15              | 4 | 14 | 6  | -61.8 | -60.9 | -62.9 | -60.7 | -49.4 | -41.25 | 8.1  |
|      | HT/VHT40, M16 to M23             | 4 | 14 | 6  | -61.8 | -60.9 | -62.9 | -60.7 | -49.4 | -41.25 | 8.1  |
|      | HT/VHT40, M24 to M31             | 4 | 14 | 6  | -61.8 | -60.9 | -62.9 | -60.7 | -49.4 | -41.25 | 8.1  |
|      | HT/VHT40 Beam Forming, M0 to M7  | 2 | 13 | 9  | -62.3 | -61.3 |       |       | -49.7 | -41.25 | 8.4  |
|      | HT/VHT40 Beam Forming, M8 to M15 | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |

|      |                                   |   |    |    |       |       |       |       |       |        |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 10 | 11 | -65.1 | -63.9 | -65.6 |       | -48.9 | -41.25 | 7.7  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 13 | 8  | -62.3 | -61.3 | -64.6 |       | -49.6 | -41.25 | 8.4  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 14 | 6  | -61.8 | -60.9 | -62.9 |       | -50.9 | -41.25 | 9.7  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 7  | 12 | -66.2 | -65.0 | -69.0 | -64.4 | -47.7 | -41.25 | 6.4  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 10 | 9  | -65.1 | -63.9 | -65.6 | -63.7 | -49.4 | -41.25 | 8.1  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 12 | 7  | -63.8 | -63.0 | -65.1 | -62.7 | -50.4 | -41.25 | 9.2  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 14 | 6  | -61.8 | -60.9 | -62.9 | -60.7 | -49.4 | -41.25 | 8.1  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 14 | 6  | -61.8 | -60.9 | -62.9 |       | -50.9 | -41.25 | 9.7  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 14 | 6  | -61.8 | -60.9 | -62.9 | -60.7 | -49.4 | -41.25 | 8.1  |
|      | HE40, M0 to M9 1ss                | 1 | 12 | 6  | -62.9 |       |       |       | -56.8 | -41.25 | 15.5 |
|      | HE40, M0 to M9 1ss                | 2 | 12 | 6  | -62.9 | -61.8 |       |       | -53.2 | -41.25 | 11.9 |
|      | HE40, M0 to M9 2ss                | 2 | 12 | 6  | -62.9 | -61.8 |       |       | -53.2 | -41.25 | 11.9 |
|      | HE40, M0 to M9 1ss                | 3 | 12 | 6  | -62.9 | -61.8 | -63.8 |       | -51.9 | -41.25 | 10.6 |
|      | HE40, M0 to M9 2ss                | 3 | 12 | 6  | -62.9 | -61.8 | -63.8 |       | -51.9 | -41.25 | 10.6 |
|      | HE40, M0 to M9 3ss                | 3 | 12 | 6  | -62.9 | -61.8 | -63.8 |       | -51.9 | -41.25 | 10.6 |
|      | HE40, M0 to M9 1ss                | 4 | 12 | 6  | -62.9 | -61.8 | -63.8 | -61.4 | -50.2 | -41.25 | 9.0  |
|      | HE40, M0 to M9 2ss                | 4 | 12 | 6  | -62.9 | -61.8 | -63.8 | -61.4 | -50.2 | -41.25 | 9.0  |
|      | HE40, M0 to M9 3ss                | 4 | 12 | 6  | -62.9 | -61.8 | -63.8 | -61.4 | -50.2 | -41.25 | 9.0  |
|      | HE40, M0 to M9 4ss                | 4 | 12 | 6  | -62.9 | -61.8 | -63.8 | -61.4 | -50.2 | -41.25 | 9.0  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 12 | 9  | -62.9 | -61.8 |       |       | -50.2 | -41.25 | 8.9  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 12 | 6  | -62.9 | -61.8 |       |       | -53.2 | -41.25 | 11.9 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | -64.4 | -63.2 | -64.5 |       | -48.1 | -41.25 | 6.8  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 12 | 8  | -62.9 | -61.8 | -63.8 |       | -49.9 | -41.25 | 8.6  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 12 | 6  | -62.9 | -61.8 | -63.8 |       | -51.9 | -41.25 | 10.6 |
|      | HE40 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | -67.0 | -64.2 | -65.0 | -66.3 | -47.3 | -41.25 | 6.1  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | -64.4 | -63.2 | -64.5 | -62.3 | -48.4 | -41.25 | 7.1  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | -62.9 | -61.8 | -63.8 | -61.4 | -49.2 | -41.25 | 8.0  |
|      | HE40 Beam Forming, M0 to M9 4ss   | 4 | 12 | 6  | -62.9 | -61.8 | -63.8 | -61.4 | -50.2 | -41.25 | 9.0  |
|      | HE40 STBC, M0 to M9 2ss           | 2 | 12 | 6  | -62.9 | -61.8 |       |       | -53.2 | -41.25 | 11.9 |
|      | HE40 STBC, M0 to M9 2ss           | 3 | 12 | 6  | -62.9 | -61.8 | -63.8 |       | -51.9 | -41.25 | 10.6 |
|      | HE40 STBC, M0 to M9 2ss           | 4 | 12 | 6  | -62.9 | -61.8 | -63.8 | -61.4 | -50.2 | -41.25 | 9.0  |
|      |                                   |   |    |    |       |       |       |       |       |        |      |
| 5530 | Non HT80, 6 to 54 Mbps            | 1 | 13 | 6  | -61.4 |       |       |       | -55.4 | -41.25 | 14.1 |
|      | Non HT80, 6 to 54 Mbps            | 2 | 13 | 6  | -61.4 | -60.7 |       |       | -52.0 | -41.25 | 10.7 |
|      | Non HT80, 6 to 54 Mbps            | 3 | 13 | 6  | -61.4 | -60.7 | -62.8 |       | -50.7 | -41.25 | 9.5  |
|      | Non HT80, 6 to 54 Mbps            | 4 | 12 | 6  | -62.7 | -61.2 | -63.4 | -60.8 | -49.8 | -41.25 | 8.6  |
|      | VHT80, M0 to M9 1ss               | 1 | 14 | 6  | -63.2 |       |       |       | -57.0 | -41.25 | 15.7 |
|      | VHT80, M0 to M9 1ss               | 2 | 13 | 6  | -63.8 | -63.5 |       |       | -54.4 | -41.25 | 13.2 |
|      | VHT80, M0 to M9 2ss               | 2 | 13 | 6  | -63.8 | -63.5 |       |       | -54.4 | -41.25 | 13.2 |
|      | VHT80, M0 to M9 1ss               | 3 | 13 | 6  | -63.8 | -63.5 | -66.8 |       | -53.5 | -41.25 | 12.2 |

|                                  |   |    |    |       |       |       |       |       |        |      |
|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
| VHT80, M0 to M9 2ss              | 3 | 13 | 6  | -63.8 | -63.5 | -66.8 |       | -53.5 | -41.25 | 12.2 |
| VHT80, M0 to M9 3ss              | 3 | 13 | 6  | -63.8 | -63.5 | -66.8 |       | -53.5 | -41.25 | 12.2 |
| VHT80, M0 to M9 1ss              | 4 | 13 | 6  | -63.8 | -63.5 | -66.8 | -64.2 | -52.2 | -41.25 | 10.9 |
| VHT80, M0 to M9 2ss              | 4 | 13 | 6  | -63.8 | -63.5 | -66.8 | -64.2 | -52.2 | -41.25 | 10.9 |
| VHT80, M0 to M9 3ss              | 4 | 13 | 6  | -63.8 | -63.5 | -66.8 | -64.2 | -52.2 | -41.25 | 10.9 |
| VHT80, M0 to M9 4ss              | 4 | 13 | 6  | -63.8 | -63.5 | -66.8 | -64.2 | -52.2 | -41.25 | 10.9 |
| VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | -63.8 | -63.5 |       |       | -51.4 | -41.25 | 10.2 |
| VHT80 Beam Forming, M0 to M9 2ss | 2 | 13 | 6  | -63.8 | -63.5 |       |       | -54.4 | -41.25 | 13.2 |
| VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | -66.3 | -65.8 | -67.8 |       | -50.6 | -41.25 | 9.3  |
| VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | -63.8 | -63.5 | -66.8 |       | -51.5 | -41.25 | 10.2 |
| VHT80 Beam Forming, M0 to M9 3ss | 3 | 13 | 6  | -63.8 | -63.5 | -66.8 |       | -53.5 | -41.25 | 12.2 |
| VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | -69.5 | -66.8 | -71.1 | -69.2 | -50.6 | -41.25 | 9.4  |
| VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | -66.3 | -65.8 | -67.8 | -65.8 | -51.1 | -41.25 | 9.9  |
| VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | -65.3 | -65.0 | -67.3 | -64.8 | -52.3 | -41.25 | 11.0 |
| VHT80 Beam Forming, M0 to M9 4ss | 4 | 13 | 6  | -63.8 | -63.5 | -66.8 | -64.2 | -52.2 | -41.25 | 10.9 |
| VHT80 STBC, M0 to M9 1ss         | 2 | 13 | 6  | -63.8 | -63.5 |       |       | -54.4 | -41.25 | 13.2 |
| VHT80 STBC, M0 to M9 1ss         | 3 | 13 | 6  | -63.8 | -63.5 | -66.8 |       | -53.5 | -41.25 | 12.2 |
| VHT80 STBC, M0 to M9 1ss         | 4 | 13 | 6  | -63.8 | -63.5 | -66.8 | -64.2 | -52.2 | -41.25 | 10.9 |
| HE80, M0 to M9 1ss               | 1 | 15 | 6  | -62.6 |       |       |       | -56.4 | -41.25 | 15.1 |
| HE80, M0 to M9 1ss               | 2 | 14 | 6  | -63.2 | -63.1 |       |       | -53.9 | -41.25 | 12.6 |
| HE80, M0 to M9 2ss               | 2 | 14 | 6  | -63.2 | -63.1 |       |       | -53.9 | -41.25 | 12.6 |
| HE80, M0 to M9 1ss               | 3 | 14 | 6  | -63.2 | -63.1 | -65.4 |       | -52.8 | -41.25 | 11.5 |
| HE80, M0 to M9 2ss               | 3 | 14 | 6  | -63.2 | -63.1 | -65.4 |       | -52.8 | -41.25 | 11.5 |
| HE80, M0 to M9 3ss               | 3 | 14 | 6  | -63.2 | -63.1 | -65.4 |       | -52.8 | -41.25 | 11.5 |
| HE80, M0 to M9 1ss               | 4 | 14 | 6  | -63.2 | -63.1 | -65.4 | -63.0 | -51.3 | -41.25 | 10.0 |
| HE80, M0 to M9 2ss               | 4 | 14 | 6  | -63.2 | -63.1 | -65.4 | -63.0 | -51.3 | -41.25 | 10.0 |
| HE80, M0 to M9 3ss               | 4 | 14 | 6  | -63.2 | -63.1 | -65.4 | -63.0 | -51.3 | -41.25 | 10.0 |
| HE80, M0 to M9 4ss               | 4 | 14 | 6  | -63.2 | -63.1 | -65.4 | -63.0 | -51.3 | -41.25 | 10.0 |
| HE80 Beam Forming, M0 to M9 1ss  | 2 | 12 | 9  | -65.3 | -63.9 |       |       | -52.3 | -41.25 | 11.0 |
| HE80 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | -63.2 | -63.1 |       |       | -53.9 | -41.25 | 12.6 |
| HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -66.7 | -66.0 | -65.5 |       | -50.0 | -41.25 | 8.8  |
| HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -63.4 | -63.6 | -65.4 |       | -51.0 | -41.25 | 9.8  |
| HE80 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | -63.2 | -63.1 | -65.4 |       | -52.8 | -41.25 | 11.5 |
| HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -67.5 | -66.9 | -65.4 | -69.5 | -48.8 | -41.25 | 7.6  |
| HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -66.7 | -66.0 | -65.5 | -66.3 | -50.8 | -41.25 | 9.6  |
| HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -65.3 | -63.9 | -65.5 | -65.3 | -51.7 | -41.25 | 10.4 |
| HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -63.2 | -63.1 | -65.4 | -63.0 | -51.3 | -41.25 | 10.0 |
| HE80 STBC, M0 to M9 1ss          | 2 | 14 | 6  | -63.2 | -63.1 |       |       | -53.9 | -41.25 | 12.6 |
| HE80 STBC, M0 to M9 1ss          | 3 | 14 | 6  | -63.2 | -63.1 | -65.4 |       | -52.8 | -41.25 | 11.5 |
| HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | -63.2 | -63.1 | -65.4 | -63.0 | -51.3 | -41.25 | 10.0 |
|                                  |   |    |    |       |       |       |       |       |        |      |



|      |                                   |   |    |    |       |       |       |       |       |        |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
| 5550 | Non HT40, 6 to 54 Mbps            | 1 | 17 | 6  | -58.5 |       |       |       | -52.5 | -41.25 | 11.2 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 17 | 6  | -58.5 | -58.5 |       |       | -49.4 | -41.25 | 8.2  |
|      | Non HT40, 6 to 54 Mbps            | 3 | 15 | 6  | -60.1 | -59.9 | -61.1 |       | -49.5 | -41.25 | 8.3  |
|      | Non HT40, 6 to 54 Mbps            | 4 | 13 | 6  | -62.1 | -60.8 | -63.3 | -60.0 | -49.3 | -41.25 | 8.1  |
|      | HT/VHT40, M0 to M7                | 1 | 17 | 6  | -60.9 |       |       |       | -54.8 | -41.25 | 13.5 |
|      | HT/VHT40, M0 to M7                | 2 | 17 | 6  | -60.9 | -60.1 |       |       | -51.4 | -41.25 | 10.1 |
|      | HT/VHT40, M8 to M15               | 2 | 17 | 6  | -60.9 | -60.1 |       |       | -51.4 | -41.25 | 10.1 |
|      | HT/VHT40, M0 to M7                | 3 | 16 | 6  | -61.5 | -60.7 | -62.9 |       | -50.7 | -41.25 | 9.5  |
|      | HT/VHT40, M8 to M15               | 3 | 16 | 6  | -61.5 | -60.7 | -62.9 |       | -50.7 | -41.25 | 9.5  |
|      | HT/VHT40, M16 to M23              | 3 | 16 | 6  | -61.5 | -60.7 | -62.9 |       | -50.7 | -41.25 | 9.5  |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 6  | -64.1 | -62.1 | -65.3 | -62.3 | -51.1 | -41.25 | 9.9  |
|      | HT/VHT40, M8 to M15               | 4 | 15 | 6  | -62.0 | -61.2 | -63.0 | -61.2 | -49.7 | -41.25 | 8.4  |
|      | HT/VHT40, M16 to M23              | 4 | 15 | 6  | -62.0 | -61.2 | -63.0 | -61.2 | -49.7 | -41.25 | 8.4  |
|      | HT/VHT40, M24 to M31              | 4 | 15 | 6  | -62.0 | -61.2 | -63.0 | -61.2 | -49.7 | -41.25 | 8.4  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | -62.4 | -61.7 |       |       | -49.9 | -41.25 | 8.7  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | -60.9 | -60.1 |       |       | -51.4 | -41.25 | 10.1 |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | -65.0 | -64.4 | -66.0 |       | -49.2 | -41.25 | 8.0  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | -62.4 | -61.7 | -64.1 |       | -49.7 | -41.25 | 8.5  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | -61.5 | -60.7 | -62.9 |       | -50.7 | -41.25 | 9.5  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | -66.8 | -65.3 | -66.8 | -65.2 | -47.8 | -41.25 | 6.6  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | -65.0 | -64.4 | -66.0 | -64.1 | -49.7 | -41.25 | 8.4  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | -64.1 | -62.1 | -65.3 | -62.3 | -50.1 | -41.25 | 8.9  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | -62.0 | -61.2 | -63.0 | -61.2 | -49.7 | -41.25 | 8.4  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | -60.9 | -60.1 |       |       | -51.4 | -41.25 | 10.1 |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 16 | 6  | -61.5 | -60.7 | -62.9 |       | -50.7 | -41.25 | 9.5  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 15 | 6  | -62.0 | -61.2 | -63.0 | -61.2 | -49.7 | -41.25 | 8.4  |
|      | HE40, M0 to M9 1ss                | 1 | 17 | 6  | -59.5 |       |       |       | -53.4 | -41.25 | 12.1 |
|      | HE40, M0 to M9 1ss                | 2 | 17 | 6  | -59.5 | -59.2 |       |       | -50.2 | -41.25 | 9.0  |
|      | HE40, M0 to M9 2ss                | 2 | 17 | 6  | -59.5 | -59.2 |       |       | -50.2 | -41.25 | 9.0  |
|      | HE40, M0 to M9 1ss                | 3 | 16 | 6  | -60.3 | -60.3 | -61.4 |       | -49.7 | -41.25 | 8.5  |
|      | HE40, M0 to M9 2ss                | 3 | 16 | 6  | -60.3 | -60.3 | -61.4 |       | -49.7 | -41.25 | 8.5  |
|      | HE40, M0 to M9 3ss                | 3 | 16 | 6  | -60.3 | -60.3 | -61.4 |       | -49.7 | -41.25 | 8.5  |
|      | HE40, M0 to M9 1ss                | 4 | 14 | 6  | -61.7 | -61.2 | -63.6 | -60.3 | -49.4 | -41.25 | 8.1  |
|      | HE40, M0 to M9 2ss                | 4 | 15 | 6  | -61.1 | -60.7 | -61.9 | -59.9 | -48.7 | -41.25 | 7.4  |
|      | HE40, M0 to M9 3ss                | 4 | 15 | 6  | -61.1 | -60.7 | -61.9 | -59.9 | -48.7 | -41.25 | 7.4  |
|      | HE40, M0 to M9 4ss                | 4 | 15 | 6  | -61.1 | -60.7 | -61.9 | -59.9 | -48.7 | -41.25 | 7.4  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | -61.7 | -61.2 |       |       | -49.3 | -41.25 | 8.1  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 17 | 6  | -59.5 | -59.2 |       |       | -50.2 | -41.25 | 9.0  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | -64.4 | -63.4 | -64.9 |       | -48.3 | -41.25 | 7.0  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | -61.7 | -61.2 | -63.6 |       | -49.1 | -41.25 | 7.9  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 16 | 6  | -60.3 | -60.3 | -61.4 |       | -49.7 | -41.25 | 8.5  |



|      |                                     |   |    |    |       |       |       |       |       |        |      |
|------|-------------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HE40 Beam Forming, M0 to M9 1ss     | 4 | 8  | 12 | -67.1 | -64.7 | -67.9 | -63.9 | -47.4 | -41.25 | 6.2  |
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | -64.4 | -63.4 | -64.9 | -62.7 | -48.6 | -41.25 | 7.4  |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | -63.1 | -61.3 | -64.0 | -60.8 | -49.0 | -41.25 | 7.7  |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | -61.1 | -60.7 | -61.9 | -59.9 | -48.7 | -41.25 | 7.4  |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | -59.5 | -59.2 |       |       | -50.2 | -41.25 | 9.0  |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 6  | -60.3 | -60.3 | -61.4 |       | -49.7 | -41.25 | 8.5  |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 6  | -61.1 | -60.7 | -61.9 | -59.9 | -48.7 | -41.25 | 7.4  |
|      |                                     |   |    |    |       |       |       |       |       |        |      |
| 5560 | Non HT20, 6 to 54 Mbps              | 1 | 17 | 6  | -58.4 |       |       |       | -52.4 | -41.25 | 11.1 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 6  | -60.1 | -60.3 |       |       | -51.1 | -41.25 | 9.9  |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | -62.7 | -62.4 | -64.3 |       | -52.2 | -41.25 | 11.0 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | -63.7 | -63.4 | -65.0 | -62.7 | -51.6 | -41.25 | 10.3 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | -60.6 | -60.6 |       |       | -48.5 | -41.25 | 7.3  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | -63.4 | -63.1 | -64.7 |       | -47.9 | -41.25 | 6.6  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | -64.8 | -63.8 | -67.6 | -63.6 | -46.6 | -41.25 | 5.4  |
|      | HT/VHT20, M0 to M7                  | 1 | 17 | 6  | -60.5 |       |       |       | -54.5 | -41.25 | 13.2 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 6  | -61.2 | -61.2 |       |       | -52.1 | -41.25 | 10.9 |
|      | HT/VHT20, M8 to M15                 | 2 | 17 | 6  | -60.5 | -60.5 |       |       | -51.4 | -41.25 | 10.2 |
|      | HT/VHT20, M0 to M7                  | 3 | 13 | 6  | -64.3 | -63.9 | -65.3 |       | -53.6 | -41.25 | 12.4 |
|      | HT/VHT20, M8 to M15                 | 3 | 16 | 6  | -61.2 | -61.2 | -62.8 |       | -50.8 | -41.25 | 9.6  |
|      | HT/VHT20, M16 to M23                | 3 | 16 | 6  | -61.2 | -61.2 | -62.8 |       | -50.8 | -41.25 | 9.6  |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | -65.7 | -65.0 | -66.3 | -64.3 | -53.2 | -41.25 | 11.9 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | -64.3 | -63.9 | -65.3 | -62.2 | -51.7 | -41.25 | 10.5 |
|      | HT/VHT20, M16 to M23                | 4 | 15 | 6  | -61.7 | -61.7 | -63.1 | -61.3 | -49.8 | -41.25 | 8.6  |
|      | HT/VHT20, M24 to M31                | 4 | 15 | 6  | -61.7 | -61.7 | -63.1 | -61.3 | -49.8 | -41.25 | 8.6  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | -62.5 | -62.1 |       |       | -50.2 | -41.25 | 9.0  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 17 | 6  | -60.5 | -60.5 |       |       | -51.4 | -41.25 | 10.2 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | -65.3 | -64.8 | -66.1 |       | -49.5 | -41.25 | 8.3  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | -62.5 | -62.1 | -65.0 |       | -50.2 | -41.25 | 9.0  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 16 | 6  | -61.2 | -61.2 | -62.8 |       | -50.8 | -41.25 | 9.6  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | -66.4 | -68.2 | -66.8 | -65.3 | -48.5 | -41.25 | 7.2  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | -65.3 | -64.8 | -66.1 | -64.1 | -49.9 | -41.25 | 8.7  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | -64.3 | -63.9 | -65.3 | -62.2 | -50.7 | -41.25 | 9.5  |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 15 | 6  | -61.7 | -61.7 | -63.1 | -61.3 | -49.8 | -41.25 | 8.6  |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 17 | 6  | -60.5 | -60.5 |       |       | -51.4 | -41.25 | 10.2 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 16 | 6  | -61.2 | -61.2 | -62.8 |       | -50.8 | -41.25 | 9.6  |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 6  | -64.3 | -63.9 | -65.3 | -62.2 | -51.7 | -41.25 | 10.5 |
|      | HE20, M0 to M9 1ss                  | 1 | 17 | 6  | -58.7 |       |       |       | -52.6 | -41.25 | 11.4 |
|      | HE20, M0 to M9 1ss                  | 2 | 16 | 6  | -59.4 | -59.6 |       |       | -50.4 | -41.25 | 9.2  |
|      | HE20, M0 to M9 2ss                  | 2 | 17 | 6  | -58.7 | -58.9 |       |       | -49.7 | -41.25 | 8.5  |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 6  | -62.6 | -62.9 | -64.2 |       | -52.3 | -41.25 | 11.1 |

|      |                                        |          |          |           |              |              |              |              |              |               |            |
|------|----------------------------------------|----------|----------|-----------|--------------|--------------|--------------|--------------|--------------|---------------|------------|
|      | HE20, M0 to M9 2ss                     | 3        | 15       | 6         | -60.2        | -60.2        | -62.6        |              | -50.0        | -41.25        | 8.8        |
|      | HE20, M0 to M9 3ss                     | 3        | 16       | 6         | -59.4        | -59.6        | -61.0        |              | -49.1        | -41.25        | 7.9        |
|      | HE20, M0 to M9 1ss                     | 4        | 10       | 6         | -64.3        | -63.5        | -65.0        | -62.4        | -51.6        | -41.25        | 10.4       |
|      | HE20, M0 to M9 2ss                     | 4        | 13       | 6         | -62.1        | -61.2        | -63.6        | -59.6        | -49.3        | -41.25        | 8.0        |
|      | HE20, M0 to M9 3ss                     | 4        | 15       | 6         | -60.2        | -60.2        | -62.6        | -58.5        | -48.1        | -41.25        | 6.8        |
|      | HE20, M0 to M9 4ss                     | 4        | 15       | 6         | -60.2        | -60.2        | -62.6        | -58.5        | -48.1        | -41.25        | 6.8        |
|      | HE20 Beam Forming, M0 to M9 1ss        | 2        | 14       | 9         | -60.8        | -60.7        |              |              | -48.7        | -41.25        | 7.4        |
|      | HE20 Beam Forming, M0 to M9 2ss        | 2        | 17       | 6         | -58.7        | -58.9        |              |              | -49.7        | -41.25        | 8.5        |
|      | HE20 Beam Forming, M0 to M9 1ss        | 3        | 11       | 11        | -63.3        | -63.2        | -64.8        |              | -47.9        | -41.25        | 6.6        |
|      | HE20 Beam Forming, M0 to M9 2ss        | 3        | 14       | 8         | -60.8        | -60.7        | -63.4        |              | -48.6        | -41.25        | 7.4        |
|      | HE20 Beam Forming, M0 to M9 3ss        | 3        | 16       | 6         | -59.4        | -59.6        | -61.0        |              | -49.1        | -41.25        | 7.9        |
|      | <b>HE20 Beam Forming, M0 to M9 1ss</b> | <b>4</b> | <b>8</b> | <b>12</b> | <b>-64.9</b> | <b>-64.3</b> | <b>-67.8</b> | <b>-62.9</b> | <b>-46.6</b> | <b>-41.25</b> | <b>5.3</b> |
|      | HE20 Beam Forming, M0 to M9 2ss        | 4        | 11       | 9         | -63.3        | -63.2        | -64.8        | -61.9        | -48.1        | -41.25        | 6.8        |
|      | HE20 Beam Forming, M0 to M9 3ss        | 4        | 13       | 7         | -62.1        | -61.2        | -63.6        | -59.6        | -48.3        | -41.25        | 7.0        |
|      | HE20 Beam Forming, M0 to M9 4ss        | 4        | 15       | 6         | -60.2        | -60.2        | -62.6        | -58.5        | -48.1        | -41.25        | 6.8        |
|      | HE20 STBC, M0 to M9 2ss                | 2        | 17       | 6         | -58.7        | -58.9        |              |              | -49.7        | -41.25        | 8.5        |
|      | HE20 STBC, M0 to M9 2ss                | 3        | 15       | 6         | -60.2        | -60.2        | -62.6        |              | -50.0        | -41.25        | 8.8        |
|      | HE20 STBC, M0 to M9 2ss                | 4        | 13       | 6         | -62.1        | -61.2        | -63.6        | -59.6        | -49.3        | -41.25        | 8.0        |
|      |                                        |          |          |           |              |              |              |              |              |               |            |
|      |                                        |          |          |           |              |              |              |              |              |               |            |
| 5570 | Non HT160, 6 to 54 Mbps                | 1        | 13       | 6         | -58.2        |              |              |              | -52.2        | -41.25        | 10.9       |
|      | Non HT160, 6 to 54 Mbps                | 2        | 12       | 6         | -58.9        | -59.3        |              |              | -50.0        | -41.25        | 8.8        |
|      | Non HT160, 6 to 54 Mbps                | 3        | 12       | 6         | -58.9        | -59.3        | -59.6        |              | -48.4        | -41.25        | 7.2        |
|      | Non HT160, 6 to 54 Mbps                | 4        | 12       | 6         | -58.9        | -59.3        | -59.6        | -58.3        | -46.9        | -41.25        | 5.7        |
|      | VHT160, M0 to M9 1ss                   | 1        | 13       | 6         | -62.1        |              |              |              | -55.7        | -41.25        | 14.5       |
|      | VHT160, M0 to M9 1ss                   | 2        | 12       | 6         | -63.3        | -63.4        |              |              | -53.9        | -41.25        | 12.7       |
|      | VHT160, M0 to M9 2ss                   | 2        | 12       | 6         | -63.3        | -63.4        |              |              | -53.9        | -41.25        | 12.7       |
|      | VHT160, M0 to M9 1ss                   | 3        | 12       | 6         | -63.3        | -63.4        | -66.4        |              | -53.0        | -41.25        | 11.7       |
|      | VHT160, M0 to M9 2ss                   | 3        | 12       | 6         | -63.3        | -63.4        | -66.4        |              | -53.0        | -41.25        | 11.7       |
|      | VHT160, M0 to M9 3ss                   | 3        | 12       | 6         | -63.3        | -63.4        | -66.4        |              | -53.0        | -41.25        | 11.7       |
|      | VHT160, M0 to M9 1ss                   | 4        | 9        | 6         | -65.8        | -66.1        | -68.2        | -65.9        | -54.0        | -41.25        | 12.7       |
|      | VHT160, M0 to M9 2ss                   | 4        | 9        | 6         | -65.8        | -66.1        | -68.2        | -65.9        | -54.0        | -41.25        | 12.7       |
|      | VHT160, M0 to M9 3ss                   | 4        | 9        | 6         | -65.8        | -66.1        | -68.2        | -65.9        | -54.0        | -41.25        | 12.7       |
|      | VHT160, M0 to M9 4ss                   | 4        | 9        | 6         | -65.8        | -66.1        | -68.2        | -65.9        | -54.0        | -41.25        | 12.7       |
|      | VHT160 Beam Forming, M0 to M9 1ss      | 2        | 8        | 9         | -66.5        | -66.4        |              |              | -54.0        | -41.25        | 12.8       |
|      | VHT160 Beam Forming, M0 to M9 2ss      | 2        | 12       | 6         | -63.3        | -63.4        |              |              | -53.9        | -41.25        | 12.7       |
|      | VHT160 Beam Forming, M0 to M9 1ss      | 3        | 5        | 11        | -69.6        | -69.3        | -71.5        |              | -53.9        | -41.25        | 12.6       |
|      | VHT160 Beam Forming, M0 to M9 2ss      | 3        | 8        | 8         | -66.5        | -66.4        | -70.6        |              | -54.3        | -41.25        | 13.0       |
|      | VHT160 Beam Forming, M0 to M9 3ss      | 3        | 12       | 6         | -63.3        | -63.4        | -66.4        |              | -53.0        | -41.25        | 11.7       |
|      | VHT160 Beam Forming, M0 to M9 1ss      | 4        | 3        | 12        | -70.3        | -69.6        | -71.7        | -69.9        | -51.9        | -41.25        | 10.6       |
|      | VHT160 Beam Forming, M0 to M9 2ss      | 4        | 7        | 9         | -67.0        | -66.6        | -71.1        | -66.7        | -52.1        | -41.25        | 10.8       |
|      | VHT160 Beam Forming, M0 to M9 3ss      | 4        | 8        | 7         | -66.5        | -66.4        | -70.6        | -66.2        | -53.7        | -41.25        | 12.4       |

|      |                                   |   |    |    |       |       |       |       |       |        |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | VHT160 Beam Forming, M0 to M9 4ss | 4 | 9  | 6  | -65.8 | -66.1 | -68.2 | -65.9 | -54.0 | -41.25 | 12.7 |
|      | VHT160 STBC, M0 to M9 1ss         | 2 | 12 | 6  | -63.3 | -63.4 |       |       | -53.9 | -41.25 | 12.7 |
|      | VHT160 STBC, M0 to M9 1ss         | 3 | 12 | 6  | -63.3 | -63.4 | -66.4 |       | -53.0 | -41.25 | 11.7 |
|      | VHT160 STBC, M0 to M9 1ss         | 4 | 9  | 6  | -65.8 | -66.1 | -68.2 | -65.9 | -54.0 | -41.25 | 12.7 |
|      | HE160, M0 to M9 1ss               | 1 | 15 | 6  | -60.9 |       |       |       | -54.5 | -41.25 | 13.2 |
|      | HE160, M0 to M9 1ss               | 2 | 14 | 6  | -61.7 | -62.1 |       |       | -52.5 | -41.25 | 11.2 |
|      | HE160, M0 to M9 2ss               | 2 | 14 | 6  | -61.7 | -62.1 |       |       | -52.5 | -41.25 | 11.2 |
|      | HE160, M0 to M9 1ss               | 3 | 14 | 6  | -61.7 | -62.1 | -63.9 |       | -51.3 | -41.25 | 10.0 |
|      | HE160, M0 to M9 2ss               | 3 | 14 | 6  | -61.7 | -62.1 | -63.9 |       | -51.3 | -41.25 | 10.0 |
|      | HE160, M0 to M9 3ss               | 3 | 14 | 6  | -61.7 | -62.1 | -63.9 |       | -51.3 | -41.25 | 10.0 |
|      | HE160, M0 to M9 1ss               | 4 | 14 | 6  | -61.7 | -62.1 | -63.9 | -62.0 | -49.9 | -41.25 | 8.7  |
|      | HE160, M0 to M9 2ss               | 4 | 14 | 6  | -61.7 | -62.1 | -63.9 | -62.0 | -49.9 | -41.25 | 8.7  |
|      | HE160, M0 to M9 3ss               | 4 | 14 | 6  | -61.7 | -62.1 | -63.9 | -62.0 | -49.9 | -41.25 | 8.7  |
|      | HE160, M0 to M9 4ss               | 4 | 14 | 6  | -61.7 | -62.1 | -63.9 | -62.0 | -49.9 | -41.25 | 8.7  |
|      | HE160 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | -62.4 | -62.5 |       |       | -50.0 | -41.25 | 8.8  |
|      | HE160 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | -61.7 | -62.1 |       |       | -52.5 | -41.25 | 11.2 |
|      | HE160 Beam Forming, M0 to M9 1ss  | 3 | 11 | 11 | -64.3 | -64.5 | -66.9 |       | -48.9 | -41.25 | 7.6  |
|      | HE160 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -62.4 | -62.5 | -65.5 |       | -50.1 | -41.25 | 8.8  |
|      | HE160 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | -61.7 | -62.1 | -63.9 |       | -51.3 | -41.25 | 10.0 |
|      | HE160 Beam Forming, M0 to M9 1ss  | 4 | 8  | 12 | -66.9 | -66.7 | -70.3 | -66.5 | -48.9 | -41.25 | 7.7  |
|      | HE160 Beam Forming, M0 to M9 2ss  | 4 | 11 | 9  | -64.3 | -64.5 | -66.9 | -64.8 | -49.6 | -41.25 | 8.3  |
|      | HE160 Beam Forming, M0 to M9 3ss  | 4 | 13 | 7  | -62.4 | -62.5 | -65.5 | -62.9 | -49.7 | -41.25 | 8.5  |
|      | HE160 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -61.7 | -62.1 | -63.9 | -62.0 | -49.9 | -41.25 | 8.7  |
|      | HE160 STBC, M0 to M9 1ss          | 2 | 14 | 6  | -61.7 | -62.1 |       |       | -52.5 | -41.25 | 11.2 |
|      | HE160 STBC, M0 to M9 1ss          | 3 | 14 | 6  | -61.7 | -62.1 | -63.9 |       | -51.3 | -41.25 | 10.0 |
|      | HE160 STBC, M0 to M9 1ss          | 4 | 14 | 6  | -61.7 | -62.1 | -63.9 | -62.0 | -49.9 | -41.25 | 8.7  |
|      |                                   |   |    |    |       |       |       |       |       |        |      |
| 5610 | Non HT80, 6 to 54 Mbps            | 1 | 17 | 6  | -58.1 |       |       |       | -52.1 | -41.25 | 10.8 |
|      | Non HT80, 6 to 54 Mbps            | 2 | 17 | 6  | -58.1 | -58.8 |       |       | -49.4 | -41.25 | 8.1  |
|      | Non HT80, 6 to 54 Mbps            | 3 | 16 | 6  | -58.9 | -59.6 | -60.5 |       | -48.8 | -41.25 | 7.5  |
|      | Non HT80, 6 to 54 Mbps            | 4 | 15 | 6  | -59.9 | -60.2 | -61.2 | -59.0 | -47.9 | -41.25 | 6.7  |
|      | VHT80, M0 to M9 1ss               | 1 | 17 | 6  | -61.6 |       |       |       | -55.4 | -41.25 | 14.1 |
|      | VHT80, M0 to M9 1ss               | 2 | 17 | 6  | -61.6 | -61.6 |       |       | -52.4 | -41.25 | 11.1 |
|      | VHT80, M0 to M9 2ss               | 2 | 17 | 6  | -61.6 | -61.6 |       |       | -52.4 | -41.25 | 11.1 |
|      | VHT80, M0 to M9 1ss               | 3 | 16 | 6  | -61.9 | -62.4 | -63.4 |       | -51.5 | -41.25 | 10.3 |
|      | VHT80, M0 to M9 2ss               | 3 | 16 | 6  | -61.9 | -62.4 | -63.4 |       | -51.5 | -41.25 | 10.3 |
|      | VHT80, M0 to M9 3ss               | 3 | 16 | 6  | -61.9 | -62.4 | -63.4 |       | -51.5 | -41.25 | 10.3 |
|      | VHT80, M0 to M9 1ss               | 4 | 15 | 6  | -62.8 | -62.9 | -65.5 | -62.6 | -51.1 | -41.25 | 9.8  |
|      | VHT80, M0 to M9 2ss               | 4 | 15 | 6  | -62.8 | -62.9 | -65.5 | -62.6 | -51.1 | -41.25 | 9.8  |
|      | VHT80, M0 to M9 3ss               | 4 | 15 | 6  | -62.8 | -62.9 | -65.5 | -62.6 | -51.1 | -41.25 | 9.8  |
|      | VHT80, M0 to M9 4ss               | 4 | 15 | 6  | -62.8 | -62.9 | -65.5 | -62.6 | -51.1 | -41.25 | 9.8  |

|      |                                  |   |    |    |       |       |       |       |       |        |      |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 14 | 9  | -63.5 | -63.3 |       |       | -51.2 | -41.25 | 9.9  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 17 | 6  | -61.6 | -61.6 |       |       | -52.4 | -41.25 | 11.1 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 11 | 11 | -66.3 | -65.9 | -67.8 |       | -50.6 | -41.25 | 9.4  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 14 | 8  | -63.5 | -63.3 | -66.0 |       | -51.1 | -41.25 | 9.9  |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 16 | 6  | -61.9 | -62.4 | -63.4 |       | -51.5 | -41.25 | 10.3 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 8  | 12 | -67.4 | -66.6 | -70.8 | -69.0 | -49.9 | -41.25 | 8.7  |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 11 | 9  | -66.3 | -65.9 | -67.8 | -65.7 | -51.1 | -41.25 | 9.9  |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 13 | 7  | -63.7 | -63.9 | -66.9 | -65.0 | -51.5 | -41.25 | 10.2 |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 15 | 6  | -62.8 | -62.9 | -65.5 | -62.6 | -51.1 | -41.25 | 9.8  |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 17 | 6  | -61.6 | -61.6 |       |       | -52.4 | -41.25 | 11.1 |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 16 | 6  | -61.9 | -62.4 | -63.4 |       | -51.5 | -41.25 | 10.3 |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 15 | 6  | -62.8 | -62.9 | -65.5 | -62.6 | -51.1 | -41.25 | 9.8  |
|      | HE80, M0 to M9 1ss               | 1 | 17 | 6  | -61.6 |       |       |       | -55.4 | -41.25 | 14.1 |
|      | HE80, M0 to M9 1ss               | 2 | 17 | 6  | -61.6 | -61.4 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE80, M0 to M9 2ss               | 2 | 17 | 6  | -61.6 | -61.4 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE80, M0 to M9 1ss               | 3 | 16 | 6  | -61.9 | -62.3 | -63.4 |       | -51.5 | -41.25 | 10.2 |
|      | HE80, M0 to M9 2ss               | 3 | 16 | 6  | -61.9 | -62.3 | -63.4 |       | -51.5 | -41.25 | 10.2 |
|      | HE80, M0 to M9 3ss               | 3 | 16 | 6  | -61.9 | -62.3 | -63.4 |       | -51.5 | -41.25 | 10.2 |
|      | HE80, M0 to M9 1ss               | 4 | 15 | 6  | -62.9 | -63.0 | -64.1 | -63.2 | -51.0 | -41.25 | 9.8  |
|      | HE80, M0 to M9 2ss               | 4 | 15 | 6  | -62.9 | -63.0 | -64.1 | -63.2 | -51.0 | -41.25 | 9.8  |
|      | HE80, M0 to M9 3ss               | 4 | 15 | 6  | -62.9 | -63.0 | -64.1 | -63.2 | -51.0 | -41.25 | 9.8  |
|      | HE80, M0 to M9 4ss               | 4 | 15 | 6  | -62.9 | -63.0 | -64.1 | -63.2 | -51.0 | -41.25 | 9.8  |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 14 | 9  | -63.5 | -63.4 |       |       | -51.2 | -41.25 | 9.9  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 17 | 6  | -61.6 | -61.4 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 11 | 11 | -65.9 | -65.9 | -65.2 |       | -49.6 | -41.25 | 8.4  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 14 | 8  | -63.5 | -63.4 | -65.3 |       | -51.0 | -41.25 | 9.7  |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 16 | 6  | -61.9 | -62.3 | -63.4 |       | -51.5 | -41.25 | 10.2 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 8  | 12 | -67.2 | -66.7 | -65.2 | -67.1 | -48.2 | -41.25 | 7.0  |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 11 | 9  | -65.9 | -65.9 | -65.2 | -66.2 | -50.5 | -41.25 | 9.3  |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 13 | 7  | -63.9 | -63.7 | -65.3 | -65.1 | -51.2 | -41.25 | 9.9  |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 15 | 6  | -62.9 | -63.0 | -64.1 | -63.2 | -51.0 | -41.25 | 9.8  |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 17 | 6  | -61.6 | -61.4 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 16 | 6  | -61.9 | -62.3 | -63.4 |       | -51.5 | -41.25 | 10.2 |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 15 | 6  | -62.9 | -63.0 | -64.1 | -63.2 | -51.0 | -41.25 | 9.8  |
| 5690 |                                  |   |    |    |       |       |       |       |       |        |      |
|      | Non HT80, 6 to 54 Mbps           | 1 | 16 | 6  | -60.0 |       |       |       | -54.0 | -41.25 | 12.7 |
|      | Non HT80, 6 to 54 Mbps           | 2 | 16 | 6  | -60.0 | -58.8 |       |       | -50.3 | -41.25 | 9.0  |
|      | Non HT80, 6 to 54 Mbps           | 3 | 15 | 6  | -60.7 | -59.8 | -60.4 |       | -49.5 | -41.25 | 8.2  |
|      | Non HT80, 6 to 54 Mbps           | 4 | 14 | 6  | -61.4 | -60.5 | -61.0 | -59.5 | -48.5 | -41.25 | 7.2  |
|      | VHT80, M0 to M9 1ss              | 1 | 16 | 6  | -62.0 |       |       |       | -55.8 | -41.25 | 14.5 |
|      | VHT80, M0 to M9 1ss              | 2 | 16 | 6  | -62.0 | -60.6 |       |       | -52.0 | -41.25 | 10.8 |

|                                  |   |    |    |       |       |       |       |       |        |      |
|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
| VHT80, M0 to M9 2ss              | 2 | 16 | 6  | -62.0 | -60.6 |       |       | -52.0 | -41.25 | 10.8 |
| VHT80, M0 to M9 1ss              | 3 | 15 | 6  | -62.7 | -61.2 | -63.7 |       | -51.4 | -41.25 | 10.2 |
| VHT80, M0 to M9 2ss              | 3 | 15 | 6  | -62.7 | -61.2 | -63.7 |       | -51.4 | -41.25 | 10.2 |
| VHT80, M0 to M9 3ss              | 3 | 15 | 6  | -62.7 | -61.2 | -63.7 |       | -51.4 | -41.25 | 10.2 |
| VHT80, M0 to M9 1ss              | 4 | 14 | 6  | -63.6 | -62.1 | -64.5 | -63.2 | -51.0 | -41.25 | 9.8  |
| VHT80, M0 to M9 2ss              | 4 | 14 | 6  | -63.6 | -62.1 | -64.5 | -63.2 | -51.0 | -41.25 | 9.8  |
| VHT80, M0 to M9 3ss              | 4 | 14 | 6  | -63.6 | -62.1 | -64.5 | -63.2 | -51.0 | -41.25 | 9.8  |
| VHT80, M0 to M9 4ss              | 4 | 14 | 6  | -63.6 | -62.1 | -64.5 | -63.2 | -51.0 | -41.25 | 9.8  |
| VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | -64.3 | -62.9 |       |       | -51.3 | -41.25 | 10.1 |
| VHT80 Beam Forming, M0 to M9 2ss | 2 | 16 | 6  | -62.0 | -60.6 |       |       | -52.0 | -41.25 | 10.8 |
| VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | -67.5 | -65.9 | -67.2 |       | -50.8 | -41.25 | 9.6  |
| VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | -64.3 | -62.9 | -65.4 |       | -51.1 | -41.25 | 9.8  |
| VHT80 Beam Forming, M0 to M9 3ss | 3 | 15 | 6  | -62.7 | -61.2 | -63.7 |       | -51.4 | -41.25 | 10.2 |
| VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | -68.6 | -67.1 | -71.1 | -69.8 | -50.7 | -41.25 | 9.4  |
| VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | -67.5 | -65.9 | -67.2 | -66.1 | -51.4 | -41.25 | 10.1 |
| VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | -65.8 | -64.6 | -65.8 | -65.0 | -52.0 | -41.25 | 10.8 |
| VHT80 Beam Forming, M0 to M9 4ss | 4 | 14 | 6  | -63.6 | -62.1 | -64.5 | -63.2 | -51.0 | -41.25 | 9.8  |
| VHT80 STBC, M0 to M9 1ss         | 2 | 16 | 6  | -62.0 | -60.6 |       |       | -52.0 | -41.25 | 10.8 |
| VHT80 STBC, M0 to M9 1ss         | 3 | 15 | 6  | -62.7 | -61.2 | -63.7 |       | -51.4 | -41.25 | 10.2 |
| VHT80 STBC, M0 to M9 1ss         | 4 | 14 | 6  | -63.6 | -62.1 | -64.5 | -63.2 | -51.0 | -41.25 | 9.8  |
| HE80, M0 to M9 1ss               | 1 | 16 | 6  | -61.7 |       |       |       | -55.5 | -41.25 | 14.2 |
| HE80, M0 to M9 1ss               | 2 | 16 | 6  | -61.7 | -60.5 |       |       | -51.8 | -41.25 | 10.5 |
| HE80, M0 to M9 2ss               | 2 | 16 | 6  | -61.7 | -60.5 |       |       | -51.8 | -41.25 | 10.5 |
| HE80, M0 to M9 1ss               | 3 | 15 | 6  | -62.8 | -61.3 | -62.5 |       | -51.1 | -41.25 | 9.9  |
| HE80, M0 to M9 2ss               | 3 | 15 | 6  | -62.8 | -61.3 | -62.5 |       | -51.1 | -41.25 | 9.9  |
| HE80, M0 to M9 3ss               | 3 | 15 | 6  | -62.8 | -61.3 | -62.5 |       | -51.1 | -41.25 | 9.9  |
| HE80, M0 to M9 1ss               | 4 | 14 | 6  | -63.3 | -62.3 | -64.3 | -63.1 | -50.9 | -41.25 | 9.7  |
| HE80, M0 to M9 2ss               | 4 | 14 | 6  | -63.3 | -62.3 | -64.3 | -63.1 | -50.9 | -41.25 | 9.7  |
| HE80, M0 to M9 3ss               | 4 | 14 | 6  | -63.3 | -62.3 | -64.3 | -63.1 | -50.9 | -41.25 | 9.7  |
| HE80, M0 to M9 4ss               | 4 | 14 | 6  | -63.3 | -62.3 | -64.3 | -63.1 | -50.9 | -41.25 | 9.7  |
| HE80 Beam Forming, M0 to M9 1ss  | 2 | 13 | 9  | -64.1 | -62.5 |       |       | -51.0 | -41.25 | 9.7  |
| HE80 Beam Forming, M0 to M9 2ss  | 2 | 16 | 6  | -61.7 | -60.5 |       |       | -51.8 | -41.25 | 10.5 |
| HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -67.3 | -65.4 | -65.2 |       | -49.8 | -41.25 | 8.6  |
| HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -64.1 | -62.5 | -65.2 |       | -50.8 | -41.25 | 9.5  |
| HE80 Beam Forming, M0 to M9 3ss  | 3 | 15 | 6  | -62.8 | -61.3 | -62.5 |       | -51.1 | -41.25 | 9.9  |
| HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -67.3 | -67.3 | -65.2 | -70.1 | -48.9 | -41.25 | 7.6  |
| HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -67.3 | -65.4 | -65.2 | -66.3 | -50.7 | -41.25 | 9.5  |
| HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -65.4 | -64.7 | -65.2 | -64.8 | -51.7 | -41.25 | 10.5 |
| HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -63.3 | -62.3 | -64.3 | -63.1 | -50.9 | -41.25 | 9.7  |
| HE80 STBC, M0 to M9 1ss          | 2 | 16 | 6  | -61.7 | -60.5 |       |       | -51.8 | -41.25 | 10.5 |
| HE80 STBC, M0 to M9 1ss          | 3 | 15 | 6  | -62.8 | -61.3 | -62.5 |       | -51.1 | -41.25 | 9.9  |

|      |                                     |   |    |    |       |       |       |       |       |        |      |
|------|-------------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HE80 STBC, M0 to M9 1ss             | 4 | 14 | 6  | -63.3 | -62.3 | -64.3 | -63.1 | -50.9 | -41.25 | 9.7  |
|      |                                     |   |    |    |       |       |       |       |       |        |      |
| 5700 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | -60.6 |       |       |       | -54.6 | -41.25 | 13.3 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 15 | 6  | -61.2 | -59.9 |       |       | -51.4 | -41.25 | 10.2 |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | -63.9 | -63.4 | -64.0 |       | -52.9 | -41.25 | 11.7 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | -65.3 | -64.2 | -64.9 | -63.7 | -52.4 | -41.25 | 11.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 14 | 9  | -61.8 | -60.7 |       |       | -49.2 | -41.25 | 7.9  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | 11 | -64.6 | -64.0 | -64.5 |       | -48.5 | -41.25 | 7.3  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 8  | 12 | -65.9 | -64.5 | -68.0 | -64.8 | -47.5 | -41.25 | 6.3  |
|      | HT/VHT20, M0 to M7                  | 1 | 15 | 6  | -62.5 |       |       |       | -56.5 | -41.25 | 15.2 |
|      | HT/VHT20, M0 to M7                  | 2 | 15 | 6  | -62.5 | -62.4 |       |       | -53.4 | -41.25 | 12.1 |
|      | HT/VHT20, M8 to M15                 | 2 | 15 | 6  | -62.5 | -62.4 |       |       | -53.4 | -41.25 | 12.1 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 6  | -63.9 | -64.8 | -65.7 |       | -53.9 | -41.25 | 12.7 |
|      | HT/VHT20, M8 to M15                 | 3 | 14 | 6  | -62.9 | -62.6 | -64.5 |       | -52.4 | -41.25 | 11.2 |
|      | HT/VHT20, M16 to M23                | 3 | 14 | 6  | -62.9 | -62.6 | -64.5 |       | -52.4 | -41.25 | 11.2 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | -66.4 | -65.7 | -67.0 | -65.8 | -54.1 | -41.25 | 12.9 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | -63.7 | -64.3 | -65.4 | -64.4 | -52.3 | -41.25 | 11.1 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 6  | -62.9 | -62.6 | -64.5 | -62.4 | -51.0 | -41.25 | 9.7  |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | -62.9 | -62.6 | -64.5 | -62.4 | -51.0 | -41.25 | 9.7  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 14 | 9  | -62.9 | -62.6 |       |       | -50.7 | -41.25 | 9.4  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 15 | 6  | -62.5 | -62.4 |       |       | -53.4 | -41.25 | 12.1 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | 11 | -65.9 | -65.0 | -66.4 |       | -49.9 | -41.25 | 8.7  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 14 | 8  | -62.9 | -62.6 | -64.5 |       | -50.4 | -41.25 | 9.2  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 14 | 6  | -62.9 | -62.6 | -64.5 |       | -52.4 | -41.25 | 11.2 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 8  | 12 | -66.9 | -66.1 | -70.1 | -66.2 | -49.0 | -41.25 | 7.7  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 11 | 9  | -65.9 | -65.0 | -66.4 | -65.3 | -50.5 | -41.25 | 9.3  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 13 | 7  | -63.7 | -64.3 | -65.4 | -64.4 | -51.3 | -41.25 | 10.1 |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 14 | 6  | -62.9 | -62.6 | -64.5 | -62.4 | -51.0 | -41.25 | 9.7  |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 15 | 6  | -62.5 | -62.4 |       |       | -53.4 | -41.25 | 12.1 |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 14 | 6  | -62.9 | -62.6 | -64.5 |       | -52.4 | -41.25 | 11.2 |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 13 | 6  | -63.7 | -64.3 | -65.4 | -64.4 | -52.3 | -41.25 | 11.1 |
|      | HE20, M0 to M9 1ss                  | 1 | 14 | 6  | -61.8 |       |       |       | -55.7 | -41.25 | 14.5 |
|      | HE20, M0 to M9 1ss                  | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE20, M0 to M9 2ss                  | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE20, M0 to M9 1ss                  | 3 | 12 | 6  | -64.0 | -63.4 | -64.1 |       | -53.0 | -41.25 | 11.7 |
|      | HE20, M0 to M9 2ss                  | 3 | 14 | 6  | -61.8 | -60.9 | -63.0 |       | -51.0 | -41.25 | 9.7  |
|      | HE20, M0 to M9 3ss                  | 3 | 14 | 6  | -61.8 | -60.9 | -63.0 |       | -51.0 | -41.25 | 9.7  |
|      | HE20, M0 to M9 1ss                  | 4 | 10 | 6  | -65.2 | -64.4 | -65.0 | -63.5 | -52.4 | -41.25 | 11.1 |
|      | HE20, M0 to M9 2ss                  | 4 | 13 | 6  | -62.8 | -62.7 | -63.5 | -61.8 | -50.6 | -41.25 | 9.3  |
|      | HE20, M0 to M9 3ss                  | 4 | 13 | 6  | -62.8 | -62.7 | -63.5 | -61.8 | -50.6 | -41.25 | 9.3  |
|      | HE20, M0 to M9 4ss                  | 4 | 13 | 6  | -62.8 | -62.7 | -63.5 | -61.8 | -50.6 | -41.25 | 9.3  |

|      |                                   |   |    |    |       |       |       |       |       |        |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HE20 Beam Forming, M0 to M9 1ss   | 2 | 14 | 9  | -61.8 | -60.9 |       |       | -49.2 | -41.25 | 8.0  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE20 Beam Forming, M0 to M9 1ss   | 3 | 11 | 11 | -64.6 | -64.0 | -64.5 |       | -48.5 | -41.25 | 7.3  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3 | 14 | 8  | -61.8 | -60.9 | -63.0 |       | -49.0 | -41.25 | 7.7  |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3 | 14 | 6  | -61.8 | -60.9 | -63.0 |       | -51.0 | -41.25 | 9.7  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4 | 8  | 12 | -67.9 | -67.0 | -65.5 | -67.3 | -48.7 | -41.25 | 7.5  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4 | 11 | 9  | -64.6 | -64.0 | -64.5 | -62.9 | -48.9 | -41.25 | 7.6  |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4 | 13 | 7  | -62.8 | -62.7 | -63.5 | -61.8 | -49.6 | -41.25 | 8.3  |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4 | 13 | 6  | -62.8 | -62.7 | -63.5 | -61.8 | -50.6 | -41.25 | 9.3  |
|      | HE20 STBC, M0 to M9 2ss           | 2 | 14 | 6  | -61.8 | -60.9 |       |       | -52.2 | -41.25 | 11.0 |
|      | HE20 STBC, M0 to M9 2ss           | 3 | 14 | 6  | -61.8 | -60.9 | -63.0 |       | -51.0 | -41.25 | 9.7  |
|      | HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | -62.8 | -62.7 | -63.5 | -61.8 | -50.6 | -41.25 | 9.3  |
|      |                                   |   |    |    |       |       |       |       |       |        |      |
| 5710 | Non HT40, 6 to 54 Mbps            | 1 | 17 | 6  | -59.2 |       |       |       | -53.2 | -41.25 | 11.9 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 17 | 6  | -59.2 | -58.6 |       |       | -49.8 | -41.25 | 8.6  |
|      | Non HT40, 6 to 54 Mbps            | 3 | 15 | 6  | -60.9 | -59.8 | -60.3 |       | -49.5 | -41.25 | 8.2  |
|      | Non HT40, 6 to 54 Mbps            | 4 | 12 | 6  | -63.6 | -63.1 | -63.3 | -62.3 | -51.0 | -41.25 | 9.7  |
|      | HT/VHT40, M0 to M7                | 1 | 17 | 6  | -60.0 |       |       |       | -53.9 | -41.25 | 12.6 |
|      | HT/VHT40, M0 to M7                | 2 | 17 | 6  | -60.0 | -59.5 |       |       | -50.6 | -41.25 | 9.4  |
|      | HT/VHT40, M8 to M15               | 2 | 17 | 6  | -60.0 | -59.5 |       |       | -50.6 | -41.25 | 9.4  |
|      | HT/VHT40, M0 to M7                | 3 | 15 | 6  | -61.7 | -61.1 | -61.5 |       | -50.5 | -41.25 | 9.3  |
|      | HT/VHT40, M8 to M15               | 3 | 16 | 6  | -60.9 | -60.5 | -60.8 |       | -49.8 | -41.25 | 8.6  |
|      | HT/VHT40, M16 to M23              | 3 | 16 | 6  | -60.9 | -60.5 | -60.8 |       | -49.8 | -41.25 | 8.6  |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 6  | -62.9 | -63.4 | -63.9 | -62.7 | -51.1 | -41.25 | 9.8  |
|      | HT/VHT40, M8 to M15               | 4 | 15 | 6  | -61.7 | -61.1 | -61.5 | -61.1 | -49.2 | -41.25 | 8.0  |
|      | HT/VHT40, M16 to M23              | 4 | 15 | 6  | -61.7 | -61.1 | -61.5 | -61.1 | -49.2 | -41.25 | 8.0  |
|      | HT/VHT40, M24 to M31              | 4 | 15 | 6  | -61.7 | -61.1 | -61.5 | -61.1 | -49.2 | -41.25 | 8.0  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 14 | 9  | -62.6 | -61.8 |       |       | -50.1 | -41.25 | 8.8  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 17 | 6  | -60.0 | -59.5 |       |       | -50.6 | -41.25 | 9.4  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 11 | 11 | -65.2 | -64.9 | -65.2 |       | -49.2 | -41.25 | 8.0  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 14 | 8  | -62.6 | -61.8 | -63.0 |       | -49.6 | -41.25 | 8.3  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 16 | 6  | -60.9 | -60.5 | -60.8 |       | -49.8 | -41.25 | 8.6  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 8  | 12 | -67.2 | -65.7 | -69.1 | -65.9 | -48.6 | -41.25 | 7.4  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 11 | 9  | -65.2 | -64.9 | -65.2 | -64.6 | -49.8 | -41.25 | 8.6  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 13 | 7  | -62.9 | -63.4 | -63.9 | -62.7 | -50.1 | -41.25 | 8.8  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 15 | 6  | -61.7 | -61.1 | -61.5 | -61.1 | -49.2 | -41.25 | 8.0  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 17 | 6  | -60.0 | -59.5 |       |       | -50.6 | -41.25 | 9.4  |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 16 | 6  | -60.9 | -60.5 | -60.8 |       | -49.8 | -41.25 | 8.6  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 15 | 6  | -61.7 | -61.1 | -61.5 | -61.1 | -49.2 | -41.25 | 8.0  |
|      | HE40, M0 to M9 1ss                | 1 | 17 | 6  | -60.3 |       |       |       | -54.2 | -41.25 | 12.9 |
|      | HE40, M0 to M9 1ss                | 2 | 17 | 6  | -60.3 | -59.4 |       |       | -50.7 | -41.25 | 9.4  |

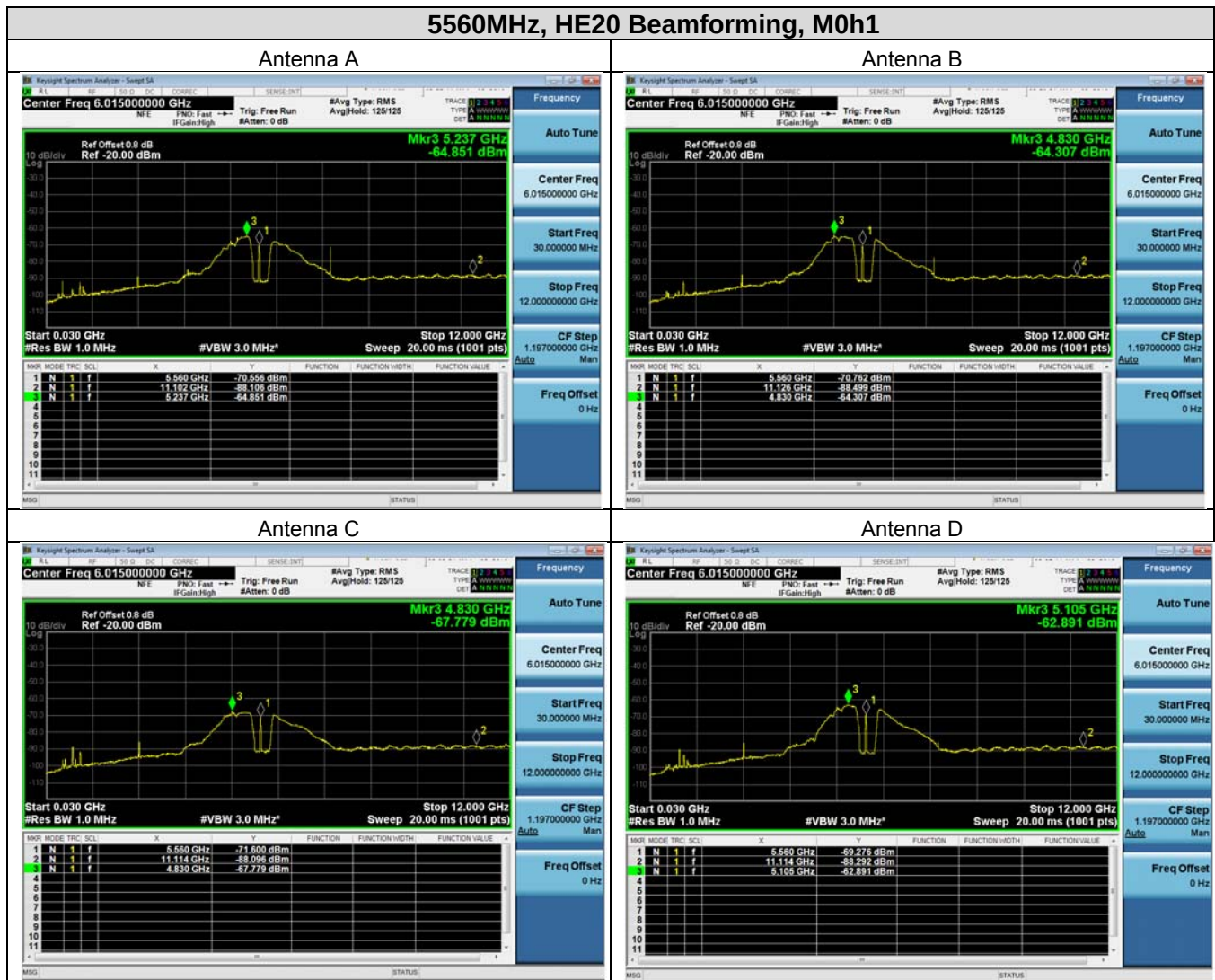


|      |                                     |   |    |    |       |       |       |       |       |        |      |
|------|-------------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HE40, M0 to M9 2ss                  | 2 | 17 | 6  | -60.3 | -59.4 |       |       | -50.7 | -41.25 | 9.4  |
|      | HE40, M0 to M9 1ss                  | 3 | 15 | 6  | -61.7 | -60.8 | -61.3 |       | -50.3 | -41.25 | 9.1  |
|      | HE40, M0 to M9 2ss                  | 3 | 16 | 6  | -61.1 | -60.0 | -60.8 |       | -49.7 | -41.25 | 8.5  |
|      | HE40, M0 to M9 3ss                  | 3 | 16 | 6  | -61.1 | -60.0 | -60.8 |       | -49.7 | -41.25 | 8.5  |
|      | HE40, M0 to M9 1ss                  | 4 | 13 | 6  | -63.1 | -63.2 | -63.8 | -62.4 | -50.9 | -41.25 | 9.7  |
|      | HE40, M0 to M9 2ss                  | 4 | 15 | 6  | -61.7 | -60.8 | -61.3 | -59.8 | -48.7 | -41.25 | 7.4  |
|      | HE40, M0 to M9 3ss                  | 4 | 15 | 6  | -61.7 | -60.8 | -61.3 | -59.8 | -48.7 | -41.25 | 7.4  |
|      | HE40, M0 to M9 4ss                  | 4 | 15 | 6  | -61.7 | -60.8 | -61.3 | -59.8 | -48.7 | -41.25 | 7.4  |
|      | HE40 Beam Forming, M0 to M9 1ss     | 2 | 14 | 9  | -62.6 | -61.3 |       |       | -49.8 | -41.25 | 8.5  |
|      | HE40 Beam Forming, M0 to M9 2ss     | 2 | 17 | 6  | -60.3 | -59.4 |       |       | -50.7 | -41.25 | 9.4  |
|      | HE40 Beam Forming, M0 to M9 1ss     | 3 | 11 | 11 | -65.1 | -64.6 | -64.9 |       | -49.0 | -41.25 | 7.7  |
|      | HE40 Beam Forming, M0 to M9 2ss     | 3 | 14 | 8  | -62.6 | -61.3 | -62.6 |       | -49.2 | -41.25 | 8.0  |
|      | HE40 Beam Forming, M0 to M9 3ss     | 3 | 16 | 6  | -61.1 | -60.0 | -60.8 |       | -49.7 | -41.25 | 8.5  |
|      | HE40 Beam Forming, M0 to M9 1ss     | 4 | 8  | 12 | -66.9 | -67.4 | -65.9 | -67.4 | -48.7 | -41.25 | 7.5  |
|      | HE40 Beam Forming, M0 to M9 2ss     | 4 | 11 | 9  | -65.1 | -64.6 | -64.9 | -63.8 | -49.4 | -41.25 | 8.2  |
|      | HE40 Beam Forming, M0 to M9 3ss     | 4 | 13 | 7  | -63.1 | -63.2 | -63.8 | -62.4 | -49.9 | -41.25 | 8.7  |
|      | HE40 Beam Forming, M0 to M9 4ss     | 4 | 15 | 6  | -61.7 | -60.8 | -61.3 | -59.8 | -48.7 | -41.25 | 7.4  |
|      | HE40 STBC, M0 to M9 2ss             | 2 | 17 | 6  | -60.3 | -59.4 |       |       | -50.7 | -41.25 | 9.4  |
|      | HE40 STBC, M0 to M9 2ss             | 3 | 16 | 6  | -61.1 | -60.0 | -60.8 |       | -49.7 | -41.25 | 8.5  |
|      | HE40 STBC, M0 to M9 2ss             | 4 | 15 | 6  | -61.7 | -60.8 | -61.3 | -59.8 | -48.7 | -41.25 | 7.4  |
|      |                                     |   |    |    |       |       |       |       |       |        |      |
| 5720 | Non HT20, 6 to 54 Mbps              | 1 | 16 | 6  | -60.5 |       |       |       | -54.5 | -41.25 | 13.2 |
|      | Non HT20, 6 to 54 Mbps              | 2 | 16 | 6  | -60.5 | -59.8 |       |       | -51.1 | -41.25 | 9.8  |
|      | Non HT20, 6 to 54 Mbps              | 3 | 12 | 6  | -63.8 | -63.8 | -64.0 |       | -53.0 | -41.25 | 11.8 |
|      | Non HT20, 6 to 54 Mbps              | 4 | 10 | 6  | -64.8 | -64.4 | -64.9 | -63.9 | -52.4 | -41.25 | 11.2 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 13 | 9  | -62.6 | -62.9 |       |       | -50.7 | -41.25 | 9.4  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 10 | 11 | -64.8 | -64.4 | -64.9 |       | -48.9 | -41.25 | 7.6  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 7  | 12 | -67.7 | -67.2 | -68.1 | -67.3 | -49.5 | -41.25 | 8.2  |
|      | HT/VHT20, M0 to M7                  | 1 | 16 | 6  | -62.1 |       |       |       | -56.1 | -41.25 | 14.8 |
|      | HT/VHT20, M0 to M7                  | 2 | 16 | 6  | -62.1 | -61.6 |       |       | -52.8 | -41.25 | 11.5 |
|      | HT/VHT20, M8 to M15                 | 2 | 16 | 6  | -62.1 | -61.6 |       |       | -52.8 | -41.25 | 11.5 |
|      | HT/VHT20, M0 to M7                  | 3 | 12 | 6  | -65.4 | -65.1 | -65.7 |       | -54.6 | -41.25 | 13.3 |
|      | HT/VHT20, M8 to M15                 | 3 | 15 | 6  | -62.9 | -62.4 | -62.8 |       | -51.9 | -41.25 | 10.6 |
|      | HT/VHT20, M16 to M23                | 3 | 15 | 6  | -62.9 | -62.4 | -62.8 |       | -51.9 | -41.25 | 10.6 |
|      | HT/VHT20, M0 to M7                  | 4 | 10 | 6  | -66.3 | -65.6 | -66.9 | -65.8 | -54.1 | -41.25 | 12.8 |
|      | HT/VHT20, M8 to M15                 | 4 | 13 | 6  | -64.1 | -64.6 | -65.3 | -62.9 | -52.1 | -41.25 | 10.8 |
|      | HT/VHT20, M16 to M23                | 4 | 14 | 6  | -63.3 | -62.8 | -64.6 | -62.3 | -51.1 | -41.25 | 9.8  |
|      | HT/VHT20, M24 to M31                | 4 | 14 | 6  | -63.3 | -62.8 | -64.6 | -62.3 | -51.1 | -41.25 | 9.8  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 13 | 9  | -64.1 | -64.6 |       |       | -52.3 | -41.25 | 11.0 |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 16 | 6  | -62.1 | -61.6 |       |       | -52.8 | -41.25 | 11.5 |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 10 | 11 | -66.3 | -65.6 | -66.9 |       | -50.4 | -41.25 | 9.2  |



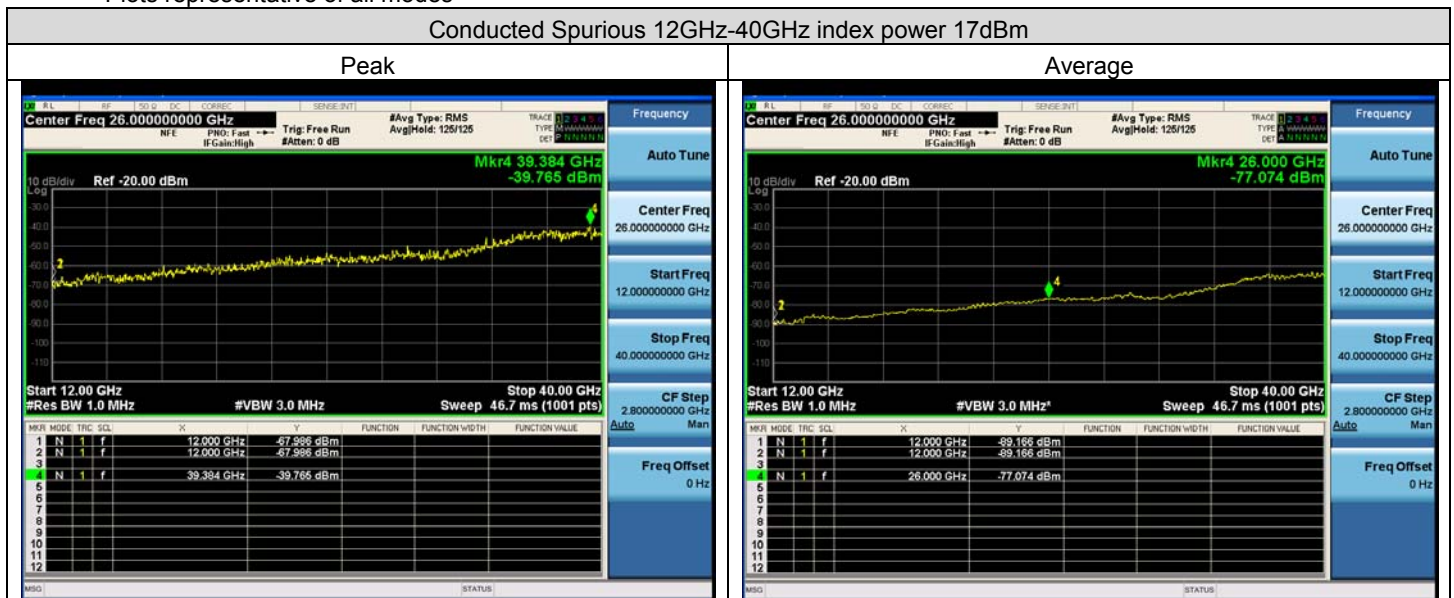
|                                   |   |    |    |       |       |       |       |       |        |      |
|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
| HT/VHT20 Beam Forming, M8 to M15  | 3 | 13 | 8  | -64.1 | -64.6 | -65.3 |       | -51.8 | -41.25 | 10.6 |
| HT/VHT20 Beam Forming, M16 to M23 | 3 | 15 | 6  | -62.9 | -62.4 | -62.8 |       | -51.9 | -41.25 | 10.6 |
| HT/VHT20 Beam Forming, M0 to M7   | 4 | 7  | 12 | -69.9 | -68.5 | -70.4 | -66.2 | -50.4 | -41.25 | 9.1  |
| HT/VHT20 Beam Forming, M8 to M15  | 4 | 10 | 9  | -66.3 | -65.6 | -66.9 | -65.8 | -51.1 | -41.25 | 9.8  |
| HT/VHT20 Beam Forming, M16 to M23 | 4 | 12 | 7  | -65.4 | -65.1 | -65.7 | -64.9 | -52.2 | -41.25 | 10.9 |
| HT/VHT20 Beam Forming, M24 to M31 | 4 | 14 | 6  | -63.3 | -62.8 | -64.6 | -62.3 | -51.1 | -41.25 | 9.8  |
| HT/VHT20 STBC, M0 to M7           | 2 | 16 | 6  | -62.1 | -61.6 |       |       | -52.8 | -41.25 | 11.5 |
| HT/VHT20 STBC, M0 to M7           | 3 | 15 | 6  | -62.9 | -62.4 | -62.8 |       | -51.9 | -41.25 | 10.6 |
| HT/VHT20 STBC, M0 to M7           | 4 | 13 | 6  | -64.1 | -64.6 | -65.3 | -62.9 | -52.1 | -41.25 | 10.8 |
| HE20, M0 to M9 1ss                | 1 | 16 | 6  | -60.2 |       |       |       | -54.1 | -41.25 | 12.9 |
| HE20, M0 to M9 1ss                | 2 | 16 | 6  | -60.2 | -59.4 |       |       | -50.7 | -41.25 | 9.5  |
| HE20, M0 to M9 2ss                | 2 | 16 | 6  | -60.2 | -59.4 |       |       | -50.7 | -41.25 | 9.5  |
| HE20, M0 to M9 1ss                | 3 | 12 | 6  | -62.4 | -62.8 | -63.5 |       | -52.0 | -41.25 | 10.8 |
| HE20, M0 to M9 2ss                | 3 | 15 | 6  | -60.7 | -60.2 | -61.3 |       | -49.9 | -41.25 | 8.6  |
| HE20, M0 to M9 3ss                | 3 | 15 | 6  | -60.7 | -60.2 | -61.3 |       | -49.9 | -41.25 | 8.6  |
| HE20, M0 to M9 1ss                | 4 | 10 | 6  | -63.4 | -64.0 | -64.3 | -63.1 | -51.6 | -41.25 | 10.3 |
| HE20, M0 to M9 2ss                | 4 | 13 | 6  | -62.6 | -62.2 | -63.1 | -61.4 | -50.2 | -41.25 | 8.9  |
| HE20, M0 to M9 3ss                | 4 | 14 | 6  | -61.5 | -61.1 | -62.7 | -59.9 | -49.1 | -41.25 | 7.8  |
| HE20, M0 to M9 4ss                | 4 | 14 | 6  | -61.5 | -61.1 | -62.7 | -59.9 | -49.1 | -41.25 | 7.8  |
| HE20 Beam Forming, M0 to M9 1ss   | 2 | 13 | 9  | -62.6 | -62.2 |       |       | -50.3 | -41.25 | 9.1  |
| HE20 Beam Forming, M0 to M9 2ss   | 2 | 16 | 6  | -60.2 | -59.4 |       |       | -50.7 | -41.25 | 9.5  |
| HE20 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | -63.4 | -64.0 | -64.3 |       | -48.0 | -41.25 | 6.8  |
| HE20 Beam Forming, M0 to M9 2ss   | 3 | 13 | 8  | -62.6 | -62.2 | -63.1 |       | -49.8 | -41.25 | 8.5  |
| HE20 Beam Forming, M0 to M9 3ss   | 3 | 15 | 6  | -60.7 | -60.2 | -61.3 |       | -49.9 | -41.25 | 8.6  |
| HE20 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | -66.8 | -67.5 | -68.2 | -66.8 | -49.2 | -41.25 | 7.9  |
| HE20 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | -63.4 | -64.0 | -64.3 | -63.1 | -48.6 | -41.25 | 7.3  |
| HE20 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | -62.4 | -62.8 | -63.5 | -62.1 | -49.6 | -41.25 | 8.3  |
| HE20 Beam Forming, M0 to M9 4ss   | 4 | 14 | 6  | -61.5 | -61.1 | -62.7 | -59.9 | -49.1 | -41.25 | 7.8  |
| HE20 STBC, M0 to M9 2ss           | 2 | 16 | 6  | -60.2 | -59.4 |       |       | -50.7 | -41.25 | 9.5  |
| HE20 STBC, M0 to M9 2ss           | 3 | 15 | 6  | -60.7 | -60.2 | -61.3 |       | -49.9 | -41.25 | 8.6  |
| HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | -62.6 | -62.2 | -63.1 | -61.4 | -50.2 | -41.25 | 8.9  |

### 5.5.7 Conducted Spurious Emissions Plots – Average 30MHz – 12GHz



## 5.5.8 Conducted Spurious Emissions Plots 12-40GHz

Plots representative of all modes



## 5.6 Conducted Band Edge

### 5.6.1 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:

**(3)** For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 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

#### 15.205 / 15.209

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

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

$E[\text{dB}\mu\text{V/m}] = \text{EIRP} [\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$ , where E = field strength and d = 3 meter

1) Average Plot, Limit= -41.25 dBm eirp

2) Peak plot, Limit = -21.25 dBm eirp

#### 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.

## 5.6.2 Conducted Band Edge Test Procedure

Ref. 789033 D02 General UNII Test Procedures New Rules v01r02  
ANSI C63.10: 2013

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conducted Band edge</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <ol style="list-style-type: none"> <li>1. Connect the antenna port(s) to the spectrum analyzer input.</li> <li>2. Place the radio in continuous transmit mode. Use the procedures in 789033 D02 General UNII Test Procedures New Rules v01r02 to substitute conducted measurements in place of radiated measurements.</li> <li>3. Configure Spectrum analyzer as per test parameters below (be sure to enter all losses between the transmitter output and the spectrum analyzer).</li> <li>4. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands.</li> <li>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.</li> <li>6. Place a marker at the end of the band edge closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands</li> <li>7. Capture graphs and record pertinent measurement data.</li> </ol> |

Ref. 789033 D02 General UNII Test Procedures New Rules v01r02  
ANSI C63.10: 2013 section 12.7.7.3 and section 12.7.6

|                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|
| <b>Conducted Band edge</b>                                                                                                |
| Test parameters restricted Band                                                                                           |
| RBW = 1 MHz<br>VBW $\geq$ 3MHz for Peak, 100Hz for Average<br>Sweep = Auto couple<br>Detector = Peak<br>Trace = Max Hold. |

## 5.6.3 Conducted Band Edge Test Information

**Samples, Systems, and Modes**

| System Number | Description | Samples | System under test                   | Support equipment                   |
|---------------|-------------|---------|-------------------------------------|-------------------------------------|
| 1             | EUT         | S01     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
|               | Support     | S02     | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Tested By:<br>Julian Land | Date of testing:<br>March 14, 2019 – April 4, 2019 |
| Test Result: PASS         |                                                    |

**Test Equipment**

See Appendix A for list of test equipment

## 5.6.4 Conducted Band Edge Data Tables – Peak

| 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) |
|-----------------|-------------------------------------|----------|-------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------------|-------------|-------------|
| 5500            | Non HT20, 6 to 54 Mbps              | 1        | 6                             | -37.6                     |                           |                           |                           | -31.6                         | -27.0       | 4.6         |
|                 | Non HT20, 6 to 54 Mbps              | 2        | 6                             | -43.1                     | -42.7                     |                           |                           | -33.8                         | -27.0       | 6.8         |
|                 | Non HT20, 6 to 54 Mbps              | 3        | 6                             | -46.3                     | -45.9                     | -47.3                     |                           | -35.6                         | -27.0       | 8.6         |
|                 | Non HT20, 6 to 54 Mbps              | 4        | 6                             | -50.1                     | -49.4                     | -49.6                     | -49.5                     | -37.6                         | -27.0       | 10.6        |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 2        | 9                             | -46.5                     | -45.2                     |                           |                           | -33.7                         | -27.0       | 6.7         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 3        | 11                            | -47.5                     | -49.2                     | -48.2                     |                           | -32.4                         | -27.0       | 5.4         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 4        | 12                            | -52.5                     | -51.4                     | -52.7                     | -51.4                     | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20, M0 to M7                  | 1        | 6                             | -40.3                     |                           |                           |                           | -34.3                         | -27.0       | 7.3         |
|                 | HT/VHT20, M0 to M7                  | 2        | 6                             | -40.3                     | -42.3                     |                           |                           | -32.1                         | -27.0       | 5.1         |
|                 | HT/VHT20, M8 to M15                 | 2        | 6                             | -40.3                     | -42.3                     |                           |                           | -32.1                         | -27.0       | 5.1         |
|                 | HT/VHT20, M0 to M7                  | 3        | 6                             | -47.8                     | -48.1                     | -47.6                     |                           | -37.0                         | -27.0       | 10.0        |
|                 | HT/VHT20, M8 to M15                 | 3        | 6                             | -44.0                     | -45.9                     | -44.5                     |                           | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20, M16 to M23                | 3        | 6                             | -44.0                     | -45.9                     | -44.5                     |                           | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20, M0 to M7                  | 4        | 6                             | -49.5                     | -49.2                     | -48.1                     | -49.1                     | -36.9                         | -27.0       | 9.9         |
|                 | HT/VHT20, M8 to M15                 | 4        | 6                             | -47.2                     | -46.3                     | -47.2                     | -46.4                     | -34.7                         | -27.0       | 7.7         |
|                 | HT/VHT20, M16 to M23                | 4        | 6                             | -45.2                     | -46.6                     | -47.5                     | -45.0                     | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20, M24 to M31                | 4        | 6                             | -45.2                     | -46.6                     | -47.5                     | -45.0                     | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 2        | 9                             | -47.2                     | -46.3                     |                           |                           | -34.7                         | -27.0       | 7.7         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 2        | 6                             | -40.3                     | -42.3                     |                           |                           | -32.1                         | -27.0       | 5.1         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 3        | 11                            | -49.5                     | -49.2                     | -48.1                     |                           | -33.1                         | -27.0       | 6.1         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 3        | 8                             | -47.2                     | -46.3                     | -47.2                     |                           | -34.1                         | -27.0       | 7.1         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 3        | 6                             | -44.0                     | -45.9                     | -44.5                     |                           | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 4        | 12                            | -50.8                     | -55.4                     | -51.5                     | -51.9                     | -34.0                         | -27.0       | 7.0         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 4        | 9                             | -49.5                     | -49.2                     | -48.1                     | -49.1                     | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 4        | 7                             | -47.8                     | -48.1                     | -47.6                     | -48.5                     | -34.9                         | -27.0       | 7.9         |
|                 | HT/VHT20 Beam Forming, M24 to M31   | 4        | 6                             | -45.2                     | -46.6                     | -47.5                     | -45.0                     | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20 STBC, M0 to M7             | 2        | 6                             | -40.3                     | -42.3                     |                           |                           | -32.1                         | -27.0       | 5.1         |
|                 | HT/VHT20 STBC, M0 to M7             | 3        | 6                             | -44.0                     | -45.9                     | -44.5                     |                           | -33.9                         | -27.0       | 6.9         |
|                 | HT/VHT20 STBC, M0 to M7             | 4        | 6                             | -47.2                     | -46.3                     | -47.2                     | -46.4                     | -34.7                         | -27.0       | 7.7         |

|      |                                  |   |    |       |       |       |       |       |       |      |
|------|----------------------------------|---|----|-------|-------|-------|-------|-------|-------|------|
|      | HE20, M0 to M9 1ss               | 1 | 6  | -36.4 |       |       |       | -30.3 | -27.0 | 3.3  |
|      | HE20, M0 to M9 1ss               | 2 | 6  | -38.1 | -39.0 |       |       | -29.4 | -27.0 | 2.4  |
|      | HE20, M0 to M9 2ss               | 2 | 6  | -38.1 | -39.0 |       |       | -29.4 | -27.0 | 2.4  |
|      | HE20, M0 to M9 1ss               | 3 | 6  | -46.4 | -46.5 | -46.7 |       | -35.7 | -27.0 | 8.7  |
|      | HE20, M0 to M9 2ss               | 3 | 6  | -38.1 | -39.0 | -43.9 |       | -28.9 | -27.0 | 1.9  |
|      | HE20, M0 to M9 3ss               | 3 | 6  | -38.1 | -39.0 | -43.9 |       | -28.9 | -27.0 | 1.9  |
|      | HE20, M0 to M9 1ss               | 4 | 6  | -50.4 | -48.3 | -49.1 | -49.4 | -37.1 | -27.0 | 10.1 |
|      | HE20, M0 to M9 2ss               | 4 | 6  | -46.7 | -45.4 | -46.2 | -45.4 | -33.8 | -27.0 | 6.8  |
|      | HE20, M0 to M9 3ss               | 4 | 6  | -43.4 | -42.9 | -43.4 | -43.7 | -31.2 | -27.0 | 4.2  |
|      | HE20, M0 to M9 4ss               | 4 | 6  | -43.4 | -42.9 | -43.4 | -43.7 | -31.2 | -27.0 | 4.2  |
|      | HE20 Beam Forming, M0 to M9 1ss  | 2 | 9  | -46.7 | -45.4 |       |       | -33.9 | -27.0 | 6.9  |
|      | HE20 Beam Forming, M0 to M9 2ss  | 2 | 6  | -38.1 | -39.0 |       |       | -29.4 | -27.0 | 2.4  |
|      | HE20 Beam Forming, M0 to M9 1ss  | 3 | 11 | -49.3 | -49.5 | -48.6 |       | -33.3 | -27.0 | 6.3  |
|      | HE20 Beam Forming, M0 to M9 2ss  | 3 | 8  | -46.7 | -45.4 | -46.2 |       | -33.2 | -27.0 | 6.2  |
|      | HE20 Beam Forming, M0 to M9 3ss  | 3 | 6  | -38.1 | -39.0 | -43.9 |       | -28.9 | -27.0 | 1.9  |
|      | HE20 Beam Forming, M0 to M9 1ss  | 4 | 12 | -51.9 | -49.2 | -52.7 | -52.3 | -33.2 | -27.0 | 6.2  |
|      | HE20 Beam Forming, M0 to M9 2ss  | 4 | 9  | -49.3 | -49.5 | -48.6 | -49.6 | -34.1 | -27.0 | 7.1  |
|      | HE20 Beam Forming, M0 to M9 3ss  | 4 | 7  | -46.4 | -46.5 | -46.7 | -46.9 | -33.5 | -27.0 | 6.5  |
|      | HE20 Beam Forming, M0 to M9 4ss  | 4 | 6  | -43.4 | -42.9 | -43.4 | -43.7 | -31.2 | -27.0 | 4.2  |
|      | HE20 STBC, M0 to M9 2ss          | 2 | 6  | -38.1 | -39.0 |       |       | -29.4 | -27.0 | 2.4  |
|      | HE20 STBC, M0 to M9 2ss          | 3 | 6  | -38.1 | -39.0 | -43.9 |       | -28.9 | -27.0 | 1.9  |
|      | HE20 STBC, M0 to M9 2ss          | 4 | 6  | -46.7 | -45.4 | -46.2 | -45.4 | -33.8 | -27.0 | 6.8  |
|      |                                  |   |    |       |       |       |       |       |       |      |
| 5510 | Non HT40, 6 to 54 Mbps           | 1 | 6  | -45.6 |       |       |       | -39.6 | -27.0 | 12.6 |
|      | Non HT40, 6 to 54 Mbps           | 2 | 6  | -45.6 | -41.7 |       |       | -34.2 | -27.0 | 7.2  |
|      | Non HT40, 6 to 54 Mbps           | 3 | 6  | -45.6 | -41.7 | -46.7 |       | -33.3 | -27.0 | 6.3  |
|      | Non HT40, 6 to 54 Mbps           | 4 | 6  | -46.8 | -46.8 | -44.7 | -46.1 | -33.9 | -27.0 | 6.9  |
|      | HT/VHT40, M0 to M7               | 1 | 6  | -39.4 |       |       |       | -33.3 | -27.0 | 6.3  |
|      | HT/VHT40, M0 to M7               | 2 | 6  | -44.6 | -43.2 |       |       | -34.7 | -27.0 | 7.7  |
|      | HT/VHT40, M8 to M15              | 2 | 6  | -44.6 | -43.2 |       |       | -34.7 | -27.0 | 7.7  |
|      | HT/VHT40, M0 to M7               | 3 | 6  | -44.6 | -43.2 | -45.6 |       | -33.5 | -27.0 | 6.5  |
|      | HT/VHT40, M8 to M15              | 3 | 6  | -44.6 | -43.2 | -45.6 |       | -33.5 | -27.0 | 6.5  |
|      | HT/VHT40, M16 to M23             | 3 | 6  | -44.6 | -43.2 | -45.6 |       | -33.5 | -27.0 | 6.5  |
|      | HT/VHT40, M0 to M7               | 4 | 6  | -45.6 | -46.5 | -47.3 | -46.9 | -34.4 | -27.0 | 7.4  |
|      | HT/VHT40, M8 to M15              | 4 | 6  | -44.6 | -43.2 | -45.6 | -45.6 | -32.5 | -27.0 | 5.5  |
|      | HT/VHT40, M16 to M23             | 4 | 6  | -44.6 | -43.2 | -45.6 | -45.6 | -32.5 | -27.0 | 5.5  |
|      | HT/VHT40, M24 to M31             | 4 | 6  | -44.6 | -43.2 | -45.6 | -45.6 | -32.5 | -27.0 | 5.5  |
|      | HT/VHT40 Beam Forming, M0 to M7  | 2 | 9  | -45.6 | -46.5 |       |       | -33.9 | -27.0 | 6.9  |
|      | HT/VHT40 Beam Forming, M8 to M15 | 2 | 6  | -44.6 | -43.2 |       |       | -34.7 | -27.0 | 7.7  |
|      | HT/VHT40 Beam Forming, M0 to M7  | 3 | 11 | -47.7 | -50.2 | -49.6 |       | -33.2 | -27.0 | 6.2  |
|      | HT/VHT40 Beam Forming, M8 to M15 | 3 | 8  | -45.6 | -46.5 | -47.3 |       | -33.5 | -27.0 | 6.5  |



|      |                                   |   |    |       |       |       |       |       |       |      |
|------|-----------------------------------|---|----|-------|-------|-------|-------|-------|-------|------|
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 6  | -44.6 | -43.2 | -45.6 |       | -33.5 | -27.0 | 6.5  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 12 | -50.7 | -53.0 | -53.8 | -50.7 | -33.7 | -27.0 | 6.7  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 9  | -47.7 | -50.2 | -49.6 | -48.6 | -33.8 | -27.0 | 6.8  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 7  | -46.4 | -46.7 | -47.0 | -47.6 | -33.8 | -27.0 | 6.8  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 6  | -44.6 | -43.2 | -45.6 | -45.6 | -32.5 | -27.0 | 5.5  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 6  | -44.6 | -43.2 |       |       | -34.7 | -27.0 | 7.7  |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 6  | -44.6 | -43.2 | -45.6 |       | -33.5 | -27.0 | 6.5  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 6  | -44.6 | -43.2 | -45.6 | -45.6 | -32.5 | -27.0 | 5.5  |
|      | HE40, M0 to M9 1ss                | 1 | 6  | -47.5 |       |       |       | -41.4 | -27.0 | 14.4 |
|      | HE40, M0 to M9 1ss                | 2 | 6  | -47.5 | -43.0 |       |       | -35.6 | -27.0 | 8.6  |
|      | HE40, M0 to M9 2ss                | 2 | 6  | -47.5 | -43.0 |       |       | -35.6 | -27.0 | 8.6  |
|      | HE40, M0 to M9 1ss                | 3 | 6  | -47.5 | -43.0 | -49.1 |       | -34.8 | -27.0 | 7.8  |
|      | HE40, M0 to M9 2ss                | 3 | 6  | -47.5 | -43.0 | -49.1 |       | -34.8 | -27.0 | 7.8  |
|      | HE40, M0 to M9 3ss                | 3 | 6  | -47.5 | -43.0 | -49.1 |       | -34.8 | -27.0 | 7.8  |
|      | HE40, M0 to M9 1ss                | 4 | 6  | -47.5 | -43.0 | -49.1 | -45.6 | -33.5 | -27.0 | 6.5  |
|      | HE40, M0 to M9 2ss                | 4 | 6  | -47.5 | -43.0 | -49.1 | -45.6 | -33.5 | -27.0 | 6.5  |
|      | HE40, M0 to M9 3ss                | 4 | 6  | -47.5 | -43.0 | -49.1 | -45.6 | -33.5 | -27.0 | 6.5  |
|      | HE40, M0 to M9 4ss                | 4 | 6  | -47.5 | -43.0 | -49.1 | -45.6 | -33.5 | -27.0 | 6.5  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 9  | -47.5 | -43.0 |       |       | -32.6 | -27.0 | 5.6  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 6  | -47.5 | -43.0 |       |       | -35.6 | -27.0 | 8.6  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 11 | -49.5 | -47.7 | -48.0 |       | -32.4 | -27.0 | 5.4  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 8  | -47.5 | -43.0 | -49.1 |       | -32.8 | -27.0 | 5.8  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 6  | -47.5 | -43.0 | -49.1 |       | -34.8 | -27.0 | 7.8  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 4 | 12 | -52.0 | -50.5 | -50.5 | -51.4 | -32.9 | -27.0 | 5.9  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 4 | 9  | -49.5 | -47.7 | -48.0 | -48.4 | -33.2 | -27.0 | 6.2  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 4 | 7  | -47.5 | -43.0 | -49.1 | -45.6 | -32.5 | -27.0 | 5.5  |
|      | HE40 Beam Forming, M0 to M9 4ss   | 4 | 6  | -47.5 | -43.0 | -49.1 | -45.6 | -33.5 | -27.0 | 6.5  |
|      | HE40 STBC, M0 to M9 2ss           | 2 | 6  | -47.5 | -43.0 |       |       | -35.6 | -27.0 | 8.6  |
|      | HE40 STBC, M0 to M9 2ss           | 3 | 6  | -47.5 | -43.0 | -49.1 |       | -34.8 | -27.0 | 7.8  |
|      | HE40 STBC, M0 to M9 2ss           | 4 | 6  | -47.5 | -43.0 | -49.1 | -45.6 | -33.5 | -27.0 | 6.5  |
|      |                                   |   |    |       |       |       |       |       |       |      |
| 5530 | Non HT80, 6 to 54 Mbps            | 1 | 6  | -36.7 |       |       |       | -30.7 | -27.0 | 3.7  |
|      | Non HT80, 6 to 54 Mbps            | 2 | 6  | -36.7 | -40.3 |       |       | -29.1 | -27.0 | 2.1  |
|      | Non HT80, 6 to 54 Mbps            | 3 | 6  | -36.7 | -40.3 | -43.6 |       | -28.5 | -27.0 | 1.5  |
|      | Non HT80, 6 to 54 Mbps            | 4 | 6  | -42.3 | -45.2 | -34.9 | -42.7 | -27.3 | -27.0 | 0.3  |
|      | VHT80, M0 to M9 1ss               | 1 | 6  | -41.4 |       |       |       | -35.2 | -27.0 | 8.2  |
|      | VHT80, M0 to M9 1ss               | 2 | 6  | -43.6 | -44.2 |       |       | -34.7 | -27.0 | 7.7  |
|      | VHT80, M0 to M9 2ss               | 2 | 6  | -43.6 | -44.2 |       |       | -34.7 | -27.0 | 7.7  |
|      | VHT80, M0 to M9 1ss               | 3 | 6  | -43.6 | -44.2 | -47.3 |       | -33.8 | -27.0 | 6.8  |
|      | VHT80, M0 to M9 2ss               | 3 | 6  | -43.6 | -44.2 | -47.3 |       | -33.8 | -27.0 | 6.8  |
|      | VHT80, M0 to M9 3ss               | 3 | 6  | -43.6 | -44.2 | -47.3 |       | -33.8 | -27.0 | 6.8  |

|      |                                  |   |    |       |       |       |       |       |       |     |
|------|----------------------------------|---|----|-------|-------|-------|-------|-------|-------|-----|
|      | VHT80, M0 to M9 1ss              | 4 | 6  | -43.6 | -44.2 | -47.3 | -45.0 | -32.6 | -27.0 | 5.6 |
|      | VHT80, M0 to M9 2ss              | 4 | 6  | -43.6 | -44.2 | -47.3 | -45.0 | -32.6 | -27.0 | 5.6 |
|      | VHT80, M0 to M9 3ss              | 4 | 6  | -43.6 | -44.2 | -47.3 | -45.0 | -32.6 | -27.0 | 5.6 |
|      | VHT80, M0 to M9 4ss              | 4 | 6  | -43.6 | -44.2 | -47.3 | -45.0 | -32.6 | -27.0 | 5.6 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 9  | -43.6 | -44.2 |       |       | -31.7 | -27.0 | 4.7 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 6  | -43.6 | -44.2 |       |       | -34.7 | -27.0 | 7.7 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 11 | -47.6 | -49.4 | -50.0 |       | -32.9 | -27.0 | 5.9 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 8  | -43.6 | -44.2 | -47.3 |       | -31.8 | -27.0 | 4.8 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 6  | -43.6 | -44.2 | -47.3 |       | -33.8 | -27.0 | 6.8 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 12 | -51.6 | -50.1 | -51.3 | -50.7 | -32.6 | -27.0 | 5.6 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 9  | -47.6 | -49.4 | -50.0 | -48.8 | -33.6 | -27.0 | 6.6 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 7  | -47.4 | -45.9 | -49.5 | -46.1 | -33.8 | -27.0 | 6.8 |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 6  | -43.6 | -44.2 | -47.3 | -45.0 | -32.6 | -27.0 | 5.6 |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 6  | -43.6 | -44.2 |       |       | -34.7 | -27.0 | 7.7 |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 6  | -43.6 | -44.2 | -47.3 |       | -33.8 | -27.0 | 6.8 |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 6  | -43.6 | -44.2 | -47.3 | -45.0 | -32.6 | -27.0 | 5.6 |
|      | HE80, M0 to M9 1ss               | 1 | 6  | -36.9 |       |       |       | -30.7 | -27.0 | 3.7 |
|      | HE80, M0 to M9 1ss               | 2 | 6  | -39.4 | -42.5 |       |       | -31.4 | -27.0 | 4.4 |
|      | HE80, M0 to M9 2ss               | 2 | 6  | -39.4 | -42.5 |       |       | -31.4 | -27.0 | 4.4 |
|      | HE80, M0 to M9 1ss               | 3 | 6  | -39.4 | -42.5 | -46.7 |       | -30.9 | -27.0 | 3.9 |
|      | HE80, M0 to M9 2ss               | 3 | 6  | -39.4 | -42.5 | -46.7 |       | -30.9 | -27.0 | 3.9 |
|      | HE80, M0 to M9 3ss               | 3 | 6  | -39.4 | -42.5 | -46.7 |       | -30.9 | -27.0 | 3.9 |
|      | HE80, M0 to M9 1ss               | 4 | 6  | -39.4 | -42.5 | -46.7 | -44.9 | -30.2 | -27.0 | 3.2 |
|      | HE80, M0 to M9 2ss               | 4 | 6  | -39.4 | -42.5 | -46.7 | -44.9 | -30.2 | -27.0 | 3.2 |
|      | HE80, M0 to M9 3ss               | 4 | 6  | -39.4 | -42.5 | -46.7 | -44.9 | -30.2 | -27.0 | 3.2 |
|      | HE80, M0 to M9 4ss               | 4 | 6  | -39.4 | -42.5 | -46.7 | -44.9 | -30.2 | -27.0 | 3.2 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 9  | -44.2 | -45.3 |       |       | -32.5 | -27.0 | 5.5 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 6  | -39.4 | -42.5 |       |       | -31.4 | -27.0 | 4.4 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 11 | -47.4 | -47.1 | -49.3 |       | -31.8 | -27.0 | 4.8 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 8  | -41.5 | -44.2 | -46.0 |       | -30.5 | -27.0 | 3.5 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 6  | -39.4 | -42.5 | -46.7 |       | -30.9 | -27.0 | 3.9 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 12 | -50.4 | -49.7 | -52.5 | -51.5 | -32.6 | -27.0 | 5.6 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 9  | -47.4 | -47.1 | -49.3 | -47.7 | -32.5 | -27.0 | 5.5 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 7  | -44.2 | -45.3 | -49.3 | -47.2 | -32.8 | -27.0 | 5.8 |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 6  | -39.4 | -42.5 | -46.7 | -44.9 | -30.2 | -27.0 | 3.2 |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 6  | -39.4 | -42.5 |       |       | -31.4 | -27.0 | 4.4 |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 6  | -39.4 | -42.5 | -46.7 |       | -30.9 | -27.0 | 3.9 |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 6  | -39.4 | -42.5 | -46.7 | -44.9 | -30.2 | -27.0 | 3.2 |
|      |                                  |   |    |       |       |       |       |       |       |     |
| 5570 | Non HT160, 6 to 54 Mbps          | 1 | 6  | -35.9 |       |       |       | -29.9 | -27.0 | 2.9 |
|      | Non HT160, 6 to 54 Mbps          | 2 | 6  | -41.7 | -39.2 |       |       | -31.2 | -27.0 | 4.2 |

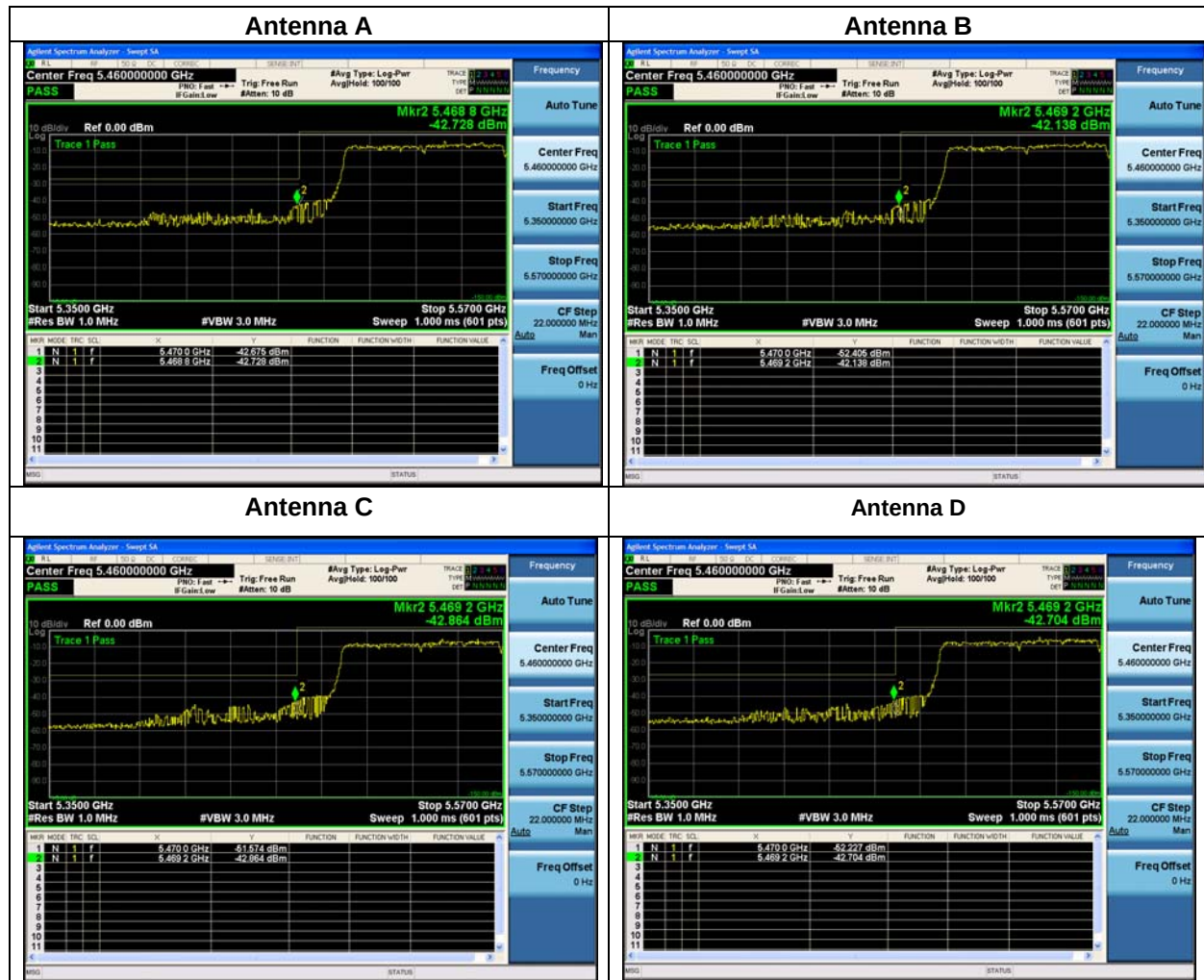
|                                   |   |    |       |       |       |       |       |       |     |
|-----------------------------------|---|----|-------|-------|-------|-------|-------|-------|-----|
| Non HT160, 6 to 54 Mbps           | 3 | 6  | -41.7 | -39.2 | -39.3 |       | -29.1 | -27.0 | 2.1 |
| Non HT160, 6 to 54 Mbps           | 4 | 6  | -41.7 | -39.2 | -39.3 | -43.5 | -28.5 | -27.0 | 1.5 |
| VHT160, M0 to M9 1ss              | 1 | 6  | -35.3 |       |       |       | -28.9 | -27.0 | 1.9 |
| VHT160, M0 to M9 1ss              | 2 | 6  | -38.3 | -38.2 |       |       | -28.8 | -27.0 | 1.8 |
| VHT160, M0 to M9 2ss              | 2 | 6  | -38.3 | -38.2 |       |       | -28.8 | -27.0 | 1.8 |
| VHT160, M0 to M9 1ss              | 3 | 6  | -38.3 | -38.2 | -39.5 |       | -27.5 | -27.0 | 0.5 |
| VHT160, M0 to M9 2ss              | 3 | 6  | -38.3 | -38.2 | -39.5 |       | -27.5 | -27.0 | 0.5 |
| VHT160, M0 to M9 3ss              | 3 | 6  | -38.3 | -38.2 | -39.5 |       | -27.5 | -27.0 | 0.5 |
| VHT160, M0 to M9 1ss              | 4 | 6  | -38.6 | -39.4 | -42.1 | -41.8 | -27.8 | -27.0 | 0.8 |
| VHT160, M0 to M9 2ss              | 4 | 6  | -38.6 | -39.4 | -42.1 | -41.8 | -27.8 | -27.0 | 0.8 |
| VHT160, M0 to M9 3ss              | 4 | 6  | -38.6 | -39.4 | -42.1 | -41.8 | -27.8 | -27.0 | 0.8 |
| VHT160, M0 to M9 4ss              | 4 | 6  | -38.6 | -39.4 | -42.1 | -41.8 | -27.8 | -27.0 | 0.8 |
| VHT160 Beam Forming, M0 to M9 1ss | 2 | 9  | -41.4 | -40.5 |       |       | -28.5 | -27.0 | 1.5 |
| VHT160 Beam Forming, M0 to M9 2ss | 2 | 6  | -38.3 | -38.2 |       |       | -28.8 | -27.0 | 1.8 |
| VHT160 Beam Forming, M0 to M9 1ss | 3 | 11 | -43.8 | -43.4 | -46.2 |       | -28.1 | -27.0 | 1.1 |
| VHT160 Beam Forming, M0 to M9 2ss | 3 | 8  | -41.4 | -40.5 | -41.6 |       | -28.0 | -27.0 | 1.0 |
| VHT160 Beam Forming, M0 to M9 3ss | 3 | 6  | -38.3 | -38.2 | -39.5 |       | -27.5 | -27.0 | 0.5 |
| VHT160 Beam Forming, M0 to M9 1ss | 4 | 12 | -46.3 | -45.5 | -46.9 | -47.3 | -28.0 | -27.0 | 1.0 |
| VHT160 Beam Forming, M0 to M9 2ss | 4 | 9  | -42.7 | -42.1 | -42.9 | -42.7 | -27.2 | -27.0 | 0.2 |
| VHT160 Beam Forming, M0 to M9 3ss | 4 | 7  | -41.4 | -40.5 | -41.6 | -43.2 | -28.2 | -27.0 | 1.2 |
| VHT160 Beam Forming, M0 to M9 4ss | 4 | 6  | -38.6 | -39.4 | -42.1 | -41.8 | -27.8 | -27.0 | 0.8 |
| VHT160 STBC, M0 to M9 1ss         | 2 | 6  | -38.3 | -38.2 |       |       | -28.8 | -27.0 | 1.8 |
| VHT160 STBC, M0 to M9 1ss         | 3 | 6  | -38.3 | -38.2 | -39.5 |       | -27.5 | -27.0 | 0.5 |
| VHT160 STBC, M0 to M9 1ss         | 4 | 6  | -38.6 | -39.4 | -42.1 | -41.8 | -27.8 | -27.0 | 0.8 |
| HE160, M0 to M9 1ss               | 1 | 6  | -37.8 |       |       |       | -31.4 | -27.0 | 4.4 |
| HE160, M0 to M9 1ss               | 2 | 6  | -40.6 | -42.2 |       |       | -31.9 | -27.0 | 4.9 |
| HE160, M0 to M9 2ss               | 2 | 6  | -40.6 | -42.2 |       |       | -31.9 | -27.0 | 4.9 |
| HE160, M0 to M9 1ss               | 3 | 6  | -40.6 | -42.2 | -43.2 |       | -30.7 | -27.0 | 3.7 |
| HE160, M0 to M9 2ss               | 3 | 6  | -40.6 | -42.2 | -43.2 |       | -30.7 | -27.0 | 3.7 |
| HE160, M0 to M9 3ss               | 3 | 6  | -40.6 | -42.2 | -43.2 |       | -30.7 | -27.0 | 3.7 |
| HE160, M0 to M9 1ss               | 4 | 6  | -40.6 | -42.2 | -43.2 | -43.7 | -29.8 | -27.0 | 2.8 |
| HE160, M0 to M9 2ss               | 4 | 6  | -40.6 | -42.2 | -43.2 | -43.7 | -29.8 | -27.0 | 2.8 |
| HE160, M0 to M9 3ss               | 4 | 6  | -40.6 | -42.2 | -43.2 | -43.7 | -29.8 | -27.0 | 2.8 |
| HE160, M0 to M9 4ss               | 4 | 6  | -40.6 | -42.2 | -43.2 | -43.7 | -29.8 | -27.0 | 2.8 |
| HE160 Beam Forming, M0 to M9 1ss  | 2 | 9  | -42.8 | -43.6 |       |       | -30.8 | -27.0 | 3.8 |
| HE160 Beam Forming, M0 to M9 2ss  | 2 | 6  | -40.6 | -42.2 |       |       | -31.9 | -27.0 | 4.9 |
| HE160 Beam Forming, M0 to M9 1ss  | 3 | 11 | -44.7 | -47.3 | -48.0 |       | -30.2 | -27.0 | 3.2 |
| HE160 Beam Forming, M0 to M9 2ss  | 3 | 8  | -42.8 | -43.6 | -45.1 |       | -30.5 | -27.0 | 3.5 |
| HE160 Beam Forming, M0 to M9 3ss  | 3 | 6  | -40.6 | -42.2 | -43.2 |       | -30.7 | -27.0 | 3.7 |
| HE160 Beam Forming, M0 to M9 1ss  | 4 | 12 | -50.0 | -49.9 | -50.3 | -50.1 | -31.6 | -27.0 | 4.6 |
| HE160 Beam Forming, M0 to M9 2ss  | 4 | 9  | -44.7 | -47.3 | -48.0 | -47.7 | -31.3 | -27.0 | 4.3 |

|      |                                     |   |    |       |       |       |       |       |       |      |
|------|-------------------------------------|---|----|-------|-------|-------|-------|-------|-------|------|
|      | HE160 Beam Forming, M0 to M9 3ss    | 4 | 7  | -42.8 | -43.6 | -45.1 | -45.6 | -30.7 | -27.0 | 3.7  |
|      | HE160 Beam Forming, M0 to M9 4ss    | 4 | 6  | -40.6 | -42.2 | -43.2 | -43.7 | -29.8 | -27.0 | 2.8  |
|      | HE160 STBC, M0 to M9 1ss            | 2 | 6  | -40.6 | -42.2 |       |       | -31.9 | -27.0 | 4.9  |
|      | HE160 STBC, M0 to M9 1ss            | 3 | 6  | -40.6 | -42.2 | -43.2 |       | -30.7 | -27.0 | 3.7  |
|      | HE160 STBC, M0 to M9 1ss            | 4 | 6  | -40.6 | -42.2 | -43.2 | -43.7 | -29.8 | -27.0 | 2.8  |
|      |                                     |   |    |       |       |       |       |       |       |      |
| 5700 | Non HT20, 6 to 54 Mbps              | 1 | 6  | -35.1 |       |       |       | -29.1 | -27.0 | 2.1  |
|      | Non HT20, 6 to 54 Mbps              | 2 | 6  | -41.5 | -38.5 |       |       | -30.7 | -27.0 | 3.7  |
|      | Non HT20, 6 to 54 Mbps              | 3 | 6  | -47.0 | -47.9 | -47.8 |       | -36.7 | -27.0 | 9.7  |
|      | Non HT20, 6 to 54 Mbps              | 4 | 6  | -49.2 | -49.3 | -48.9 | -49.3 | -37.1 | -27.0 | 10.1 |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 2 | 9  | -43.7 | -44.0 |       |       | -31.8 | -27.0 | 4.8  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 3 | 11 | -49.1 | -48.1 | -48.3 |       | -32.7 | -27.0 | 5.7  |
|      | Non HT20 Beam Forming, 6 to 54 Mbps | 4 | 12 | -51.9 | -51.1 | -51.0 | -51.8 | -33.4 | -27.0 | 6.4  |
|      | HT/VHT20, M0 to M7                  | 1 | 6  | -38.9 |       |       |       | -32.9 | -27.0 | 5.9  |
|      | HT/VHT20, M0 to M7                  | 2 | 6  | -38.9 | -35.1 |       |       | -27.5 | -27.0 | 0.5  |
|      | HT/VHT20, M8 to M15                 | 2 | 6  | -38.9 | -35.1 |       |       | -27.5 | -27.0 | 0.5  |
|      | HT/VHT20, M0 to M7                  | 3 | 6  | -44.2 | -46.3 | -45.1 |       | -34.3 | -27.0 | 7.3  |
|      | HT/VHT20, M8 to M15                 | 3 | 6  | -38.2 | -40.7 | -43.1 |       | -29.4 | -27.0 | 2.4  |
|      | HT/VHT20, M16 to M23                | 3 | 6  | -38.2 | -40.7 | -43.1 |       | -29.4 | -27.0 | 2.4  |
|      | HT/VHT20, M0 to M7                  | 4 | 6  | -48.2 | -49.2 | -46.4 | -48.1 | -35.8 | -27.0 | 8.8  |
|      | HT/VHT20, M8 to M15                 | 4 | 6  | -45.6 | -42.5 | -44.9 | -44.3 | -32.1 | -27.0 | 5.1  |
|      | HT/VHT20, M16 to M23                | 4 | 6  | -38.2 | -40.7 | -43.1 | -39.8 | -28.0 | -27.0 | 1.0  |
|      | HT/VHT20, M24 to M31                | 4 | 6  | -38.2 | -40.7 | -43.1 | -39.8 | -28.0 | -27.0 | 1.0  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 2 | 9  | -38.2 | -40.7 |       |       | -27.2 | -27.0 | 0.2  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 2 | 6  | -38.9 | -35.1 |       |       | -27.5 | -27.0 | 0.5  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 3 | 11 | -47.5 | -45.2 | -47.5 |       | -30.8 | -27.0 | 3.8  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 3 | 8  | -38.2 | -40.7 | -43.1 |       | -27.4 | -27.0 | 0.4  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 3 | 6  | -38.2 | -40.7 | -43.1 |       | -29.4 | -27.0 | 2.4  |
|      | HT/VHT20 Beam Forming, M0 to M7     | 4 | 12 | -48.0 | -49.7 | -51.2 | -47.8 | -30.9 | -27.0 | 3.9  |
|      | HT/VHT20 Beam Forming, M8 to M15    | 4 | 9  | -47.5 | -45.2 | -47.5 | -46.7 | -31.5 | -27.0 | 4.5  |
|      | HT/VHT20 Beam Forming, M16 to M23   | 4 | 7  | -45.6 | -42.5 | -44.9 | -44.3 | -31.1 | -27.0 | 4.1  |
|      | HT/VHT20 Beam Forming, M24 to M31   | 4 | 6  | -38.2 | -40.7 | -43.1 | -39.8 | -28.0 | -27.0 | 1.0  |
|      | HT/VHT20 STBC, M0 to M7             | 2 | 6  | -38.9 | -35.1 |       |       | -27.5 | -27.0 | 0.5  |
|      | HT/VHT20 STBC, M0 to M7             | 3 | 6  | -38.2 | -40.7 | -43.1 |       | -29.4 | -27.0 | 2.4  |
|      | HT/VHT20 STBC, M0 to M7             | 4 | 6  | -45.6 | -42.5 | -44.9 | -44.3 | -32.1 | -27.0 | 5.1  |
|      | HE20, M0 to M9 1ss                  | 1 | 6  | -41.5 |       |       |       | -35.4 | -27.0 | 8.4  |
|      | HE20, M0 to M9 1ss                  | 2 | 6  | -41.5 | -39.5 |       |       | -31.3 | -27.0 | 4.3  |
|      | HE20, M0 to M9 2ss                  | 2 | 6  | -41.5 | -39.5 |       |       | -31.3 | -27.0 | 4.3  |
|      | HE20, M0 to M9 1ss                  | 3 | 6  | -46.3 | -44.8 | -45.1 |       | -34.5 | -27.0 | 7.5  |
|      | HE20, M0 to M9 2ss                  | 3 | 6  | -41.5 | -39.5 | -39.0 |       | -29.0 | -27.0 | 2.0  |
|      | HE20, M0 to M9 3ss                  | 3 | 6  | -41.5 | -39.5 | -39.0 |       | -29.0 | -27.0 | 2.0  |

|                                        |          |          |              |              |              |       |              |              |            |
|----------------------------------------|----------|----------|--------------|--------------|--------------|-------|--------------|--------------|------------|
| HE20, M0 to M9 1ss                     | 4        | 6        | -47.5        | -47.0        | -43.3        | -45.7 | -33.5        | -27.0        | 6.5        |
| HE20, M0 to M9 2ss                     | 4        | 6        | -40.7        | -44.4        | -44.7        | -42.8 | -30.8        | -27.0        | 3.8        |
| HE20, M0 to M9 3ss                     | 4        | 6        | -40.7        | -44.4        | -44.7        | -42.8 | -30.8        | -27.0        | 3.8        |
| HE20, M0 to M9 4ss                     | 4        | 6        | -40.7        | -44.4        | -44.7        | -42.8 | -30.8        | -27.0        | 3.8        |
| HE20 Beam Forming, M0 to M9 1ss        | 2        | 9        | -41.5        | -39.5        |              |       | -28.3        | -27.0        | 1.3        |
| HE20 Beam Forming, M0 to M9 2ss        | 2        | 6        | -41.5        | -39.5        |              |       | -31.3        | -27.0        | 4.3        |
| HE20 Beam Forming, M0 to M9 1ss        | 3        | 11       | -45.8        | -46.5        | -44.8        |       | -29.8        | -27.0        | 2.8        |
| <b>HE20 Beam Forming, M0 to M9 2ss</b> | <b>3</b> | <b>8</b> | <b>-41.5</b> | <b>-39.5</b> | <b>-39.0</b> |       | <b>-27.0</b> | <b>-27.0</b> | <b>0.0</b> |
| HE20 Beam Forming, M0 to M9 3ss        | 3        | 6        | -41.5        | -39.5        | -39.0        |       | -29.0        | -27.0        | 2.0        |
| HE20 Beam Forming, M0 to M9 1ss        | 4        | 12       | -50.2        | -45.8        | -47.3        | -50.4 | -29.9        | -27.0        | 2.9        |
| HE20 Beam Forming, M0 to M9 2ss        | 4        | 9        | -45.8        | -46.5        | -44.8        | -47.1 | -30.9        | -27.0        | 3.9        |
| HE20 Beam Forming, M0 to M9 3ss        | 4        | 7        | -40.7        | -44.4        | -44.7        | -42.8 | -29.8        | -27.0        | 2.8        |
| HE20 Beam Forming, M0 to M9 4ss        | 4        | 6        | -40.7        | -44.4        | -44.7        | -42.8 | -30.8        | -27.0        | 3.8        |
| HE20 STBC, M0 to M9 2ss                | 2        | 6        | -41.5        | -39.5        |              |       | -31.3        | -27.0        | 4.3        |
| HE20 STBC, M0 to M9 2ss                | 3        | 6        | -41.5        | -39.5        | -39.0        |       | -29.0        | -27.0        | 2.0        |
| HE20 STBC, M0 to M9 2ss                | 4        | 6        | -40.7        | -44.4        | -44.7        | -42.8 | -30.8        | -27.0        | 3.8        |

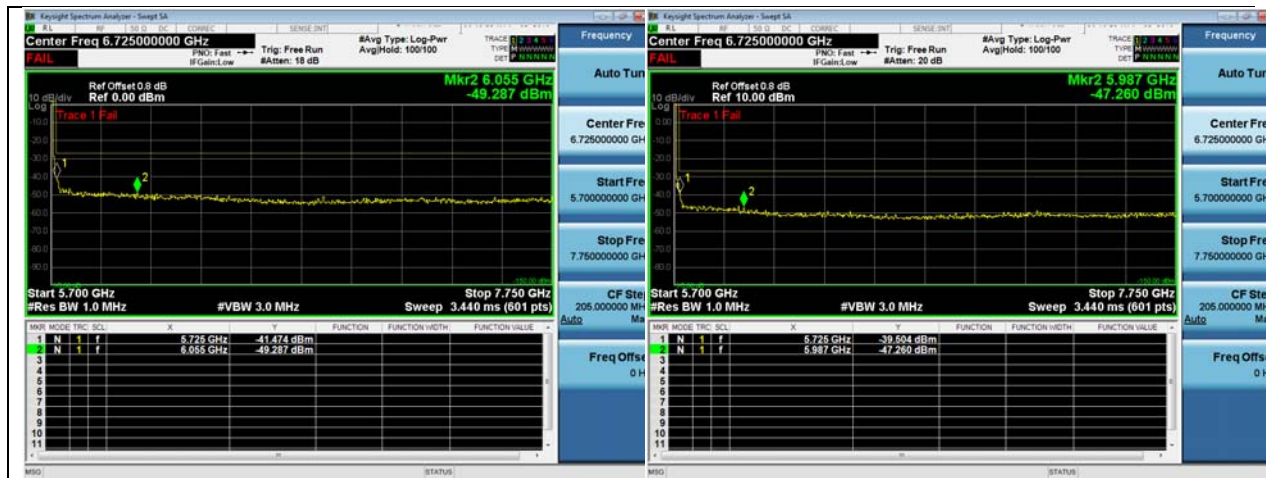
### 5.6.5 Conducted Band Edge Plot – Peak

|                              |
|------------------------------|
| <b>5570MHz, VHT160, M0x1</b> |
| <b>Page No: 109 of 127</b>   |



| 5700MHz, HE20, M0h1 |           |
|---------------------|-----------|
| Antenna A           | Antenna B |





Antenna C



## 5.6.6 Conducted Band Edge Data Tables – Average

| Frequency (MHz) | Mode                                | Tx Paths | Index Power (dBm) | Correlated Antenna Gain (dBi) | Tx 1 Band edge Level (dBm) | Tx 2 Band edge Level (dBm) | Tx 3 Band edge Level (dBm) | Tx 4 Band edge Level (dBm) | Total Tx Band edge Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------------------|----------|-------------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|-------------|-------------|
| 5500            | Non HT20, 6 to 54 Mbps              | 1        | 16                | 6                             | -53.1                      |                            |                            |                            | -47.1                          | -41.25      | 5.8         |
|                 | Non HT20, 6 to 54 Mbps              | 2        | 15                | 6                             | -56.3                      | -55.3                      |                            |                            | -46.7                          | -41.25      | 5.5         |
|                 | Non HT20, 6 to 54 Mbps              | 3        | 12                | 6                             | -59.4                      | -58.0                      | -58.7                      |                            | -47.8                          | -41.25      | 6.6         |
|                 | Non HT20, 6 to 54 Mbps              | 4        | 9                 | 6                             | -61.1                      | -61.3                      | -60.8                      | -60.6                      | -48.9                          | -41.25      | 7.6         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 2        | 13                | 9                             | -58.1                      | -57.4                      |                            |                            | -45.7                          | -41.25      | 4.4         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 3        | 10                | 11                            | -61.4                      | -60.7                      | -60.7                      |                            | -45.1                          | -41.25      | 3.8         |
|                 | Non HT20 Beam Forming, 6 to 54 Mbps | 4        | 7                 | 12                            | -64.9                      | -62.9                      | -63.7                      | -62.5                      | -45.3                          | -41.25      | 4.1         |
|                 | HT/VHT20, M0 to M7                  | 1        | 16                | 6                             | -55.1                      |                            |                            |                            | -49.1                          | -41.25      | 7.8         |
|                 | HT/VHT20, M0 to M7                  | 2        | 16                | 6                             | -55.1                      | -55.9                      |                            |                            | -46.4                          | -41.25      | 5.2         |
|                 | HT/VHT20, M8 to M15                 | 2        | 16                | 6                             | -55.1                      | -55.9                      |                            |                            | -46.4                          | -41.25      | 5.2         |
|                 | HT/VHT20, M0 to M7                  | 3        | 12                | 6                             | -59.7                      | -60.8                      | -60.1                      |                            | -49.4                          | -41.25      | 8.1         |
|                 | HT/VHT20, M8 to M15                 | 3        | 15                | 6                             | -55.5                      | -56.6                      | -56.9                      |                            | -45.5                          | -41.25      | 4.2         |
|                 | HT/VHT20, M16 to M23                | 3        | 15                | 6                             | -55.5                      | -56.6                      | -56.9                      |                            | -45.5                          | -41.25      | 4.2         |
|                 | HT/VHT20, M0 to M7                  | 4        | 10                | 6                             | -61.0                      | -61.8                      | -61.3                      | -61.8                      | -49.4                          | -41.25      | 8.1         |
|                 | HT/VHT20, M8 to M15                 | 4        | 13                | 6                             | -59.0                      | -59.2                      | -59.0                      | -58.5                      | -46.8                          | -41.25      | 5.6         |
|                 | HT/VHT20, M16 to M23                | 4        | 14                | 6                             | -57.0                      | -57.9                      | -57.9                      | -57.9                      | -45.6                          | -41.25      | 4.3         |
|                 | HT/VHT20, M24 to M31                | 4        | 14                | 6                             | -57.0                      | -57.9                      | -57.9                      | -57.9                      | -45.6                          | -41.25      | 4.3         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 2        | 13                | 9                             | -59.0                      | -59.2                      |                            |                            | -47.0                          | -41.25      | 5.8         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 2        | 16                | 6                             | -55.1                      | -55.9                      |                            |                            | -46.4                          | -41.25      | 5.2         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 3        | 10                | 11                            | -61.0                      | -61.8                      | -61.3                      |                            | -45.5                          | -41.25      | 4.3         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 3        | 13                | 8                             | -59.0                      | -59.2                      | -59.0                      |                            | -46.2                          | -41.25      | 5.0         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 3        | 15                | 6                             | -55.5                      | -56.6                      | -56.9                      |                            | -45.5                          | -41.25      | 4.2         |
|                 | HT/VHT20 Beam Forming, M0 to M7     | 4        | 7                 | 12                            | -62.1                      | -65.7                      | -64.1                      | -63.3                      | -45.5                          | -41.25      | 4.3         |
|                 | HT/VHT20 Beam Forming, M8 to M15    | 4        | 10                | 9                             | -61.0                      | -61.8                      | -61.3                      | -61.8                      | -46.4                          | -41.25      | 5.1         |
|                 | HT/VHT20 Beam Forming, M16 to M23   | 4        | 12                | 7                             | -59.7                      | -60.8                      | -60.1                      | -59.9                      | -47.0                          | -41.25      | 5.8         |
|                 | HT/VHT20 Beam Forming, M24 to M31   | 4        | 14                | 6                             | -57.0                      | -57.9                      | -57.9                      | -57.9                      | -45.6                          | -41.25      | 4.3         |
|                 | HT/VHT20 STBC, M0 to M7             | 2        | 16                | 6                             | -55.1                      | -55.9                      |                            |                            | -46.4                          | -41.25      | 5.2         |
|                 | HT/VHT20 STBC, M0 to M7             | 3        | 15                | 6                             | -55.5                      | -56.6                      | -56.9                      |                            | -45.5                          | -41.25      | 4.2         |
|                 | HT/VHT20 STBC, M0 to M7             | 4        | 13                | 6                             | -59.0                      | -59.2                      | -59.0                      | -58.5                      | -46.8                          | -41.25      | 5.6         |
|                 | HE20, M0 to M9 1ss                  | 1        | 16                | 6                             | -51.2                      |                            |                            |                            | -45.1                          | -41.25      | 3.9         |
|                 | HE20, M0 to M9 1ss                  | 2        | 15                | 6                             | -54.3                      | -53.8                      |                            |                            | -45.0                          | -41.25      | 3.7         |



|      |                                   |   |    |    |       |       |       |       |       |        |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HE20, M0 to M9 2ss                | 2 | 15 | 6  | -54.3 | -53.8 |       |       | -45.0 | -41.25 | 3.7  |
|      | HE20, M0 to M9 1ss                | 3 | 12 | 6  | -58.8 | -58.0 | -58.9 |       | -47.7 | -41.25 | 6.5  |
|      | HE20, M0 to M9 2ss                | 3 | 15 | 6  | -54.3 | -53.8 | -55.2 |       | -43.6 | -41.25 | 2.3  |
|      | HE20, M0 to M9 3ss                | 3 | 15 | 6  | -54.3 | -53.8 | -55.2 |       | -43.6 | -41.25 | 2.3  |
|      | HE20, M0 to M9 1ss                | 4 | 9  | 6  | -60.8 | -60.2 | -60.6 | -61.2 | -48.6 | -41.25 | 7.3  |
|      | HE20, M0 to M9 2ss                | 4 | 13 | 6  | -57.4 | -56.5 | -57.8 | -56.2 | -44.8 | -41.25 | 3.6  |
|      | HE20, M0 to M9 3ss                | 4 | 14 | 6  | -56.3 | -55.5 | -57.0 | -56.1 | -44.1 | -41.25 | 2.9  |
|      | HE20, M0 to M9 4ss                | 4 | 14 | 6  | -56.3 | -55.5 | -57.0 | -56.1 | -44.1 | -41.25 | 2.9  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 2 | 13 | 9  | -57.4 | -56.5 |       |       | -44.8 | -41.25 | 3.6  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 2 | 15 | 6  | -54.3 | -53.8 |       |       | -45.0 | -41.25 | 3.7  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | -60.5 | -60.7 | -60.3 |       | -44.7 | -41.25 | 3.4  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 3 | 13 | 8  | -57.4 | -56.5 | -57.8 |       | -44.4 | -41.25 | 3.1  |
|      | HE20 Beam Forming, M0 to M9 3ss   | 3 | 15 | 6  | -54.3 | -53.8 | -55.2 |       | -43.6 | -41.25 | 2.3  |
|      | HE20 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | -64.4 | -61.5 | -62.9 | -63.8 | -44.9 | -41.25 | 3.7  |
|      | HE20 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | -60.5 | -60.7 | -60.3 | -60.5 | -45.4 | -41.25 | 4.2  |
|      | HE20 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | -58.8 | -58.0 | -58.9 | -58.5 | -45.4 | -41.25 | 4.2  |
|      | HE20 Beam Forming, M0 to M9 4ss   | 4 | 14 | 6  | -56.3 | -55.5 | -57.0 | -56.1 | -44.1 | -41.25 | 2.9  |
|      | HE20 STBC, M0 to M9 2ss           | 2 | 15 | 6  | -54.3 | -53.8 |       |       | -45.0 | -41.25 | 3.7  |
|      | HE20 STBC, M0 to M9 2ss           | 3 | 15 | 6  | -54.3 | -53.8 | -55.2 |       | -43.6 | -41.25 | 2.3  |
|      | HE20 STBC, M0 to M9 2ss           | 4 | 13 | 6  | -57.4 | -56.5 | -57.8 | -56.2 | -44.8 | -41.25 | 3.6  |
|      |                                   |   |    |    |       |       |       |       |       |        |      |
| 5510 | Non HT40, 6 to 54 Mbps            | 1 | 13 | 6  | -57.3 |       |       |       | -51.3 | -41.25 | 10.0 |
|      | Non HT40, 6 to 54 Mbps            | 2 | 13 | 6  | -57.3 | -56.4 |       |       | -47.8 | -41.25 | 6.5  |
|      | Non HT40, 6 to 54 Mbps            | 3 | 13 | 6  | -57.3 | -56.4 | -56.2 |       | -45.8 | -41.25 | 4.5  |
|      | Non HT40, 6 to 54 Mbps            | 4 | 12 | 6  | -57.3 | -57.6 | -56.4 | -56.4 | -44.8 | -41.25 | 3.6  |
|      | HT/VHT40, M0 to M7                | 1 | 15 | 6  | -52.9 |       |       |       | -46.8 | -41.25 | 5.5  |
|      | HT/VHT40, M0 to M7                | 2 | 14 | 6  | -55.2 | -56.6 |       |       | -46.7 | -41.25 | 5.5  |
|      | HT/VHT40, M8 to M15               | 2 | 14 | 6  | -55.2 | -56.6 |       |       | -46.7 | -41.25 | 5.5  |
|      | HT/VHT40, M0 to M7                | 3 | 14 | 6  | -55.2 | -56.6 | -56.6 |       | -45.2 | -41.25 | 4.0  |
|      | HT/VHT40, M8 to M15               | 3 | 14 | 6  | -55.2 | -56.6 | -56.6 |       | -45.2 | -41.25 | 4.0  |
|      | HT/VHT40, M16 to M23              | 3 | 14 | 6  | -55.2 | -56.6 | -56.6 |       | -45.2 | -41.25 | 4.0  |
|      | HT/VHT40, M0 to M7                | 4 | 13 | 6  | -56.2 | -57.5 | -58.1 | -57.1 | -45.0 | -41.25 | 3.8  |
|      | HT/VHT40, M8 to M15               | 4 | 14 | 6  | -55.2 | -56.6 | -56.6 | -56.6 | -44.1 | -41.25 | 2.8  |
|      | HT/VHT40, M16 to M23              | 4 | 14 | 6  | -55.2 | -56.6 | -56.6 | -56.6 | -44.1 | -41.25 | 2.8  |
|      | HT/VHT40, M24 to M31              | 4 | 14 | 6  | -55.2 | -56.6 | -56.6 | -56.6 | -44.1 | -41.25 | 2.8  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 2 | 13 | 9  | -56.2 | -57.5 |       |       | -44.7 | -41.25 | 3.4  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 2 | 14 | 6  | -55.2 | -56.6 |       |       | -46.7 | -41.25 | 5.5  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 3 | 10 | 11 | -59.7 | -60.4 | -60.0 |       | -44.1 | -41.25 | 2.9  |
|      | HT/VHT40 Beam Forming, M8 to M15  | 3 | 13 | 8  | -56.2 | -57.5 | -58.1 |       | -44.3 | -41.25 | 3.1  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 3 | 14 | 6  | -55.2 | -56.6 | -56.6 |       | -45.2 | -41.25 | 4.0  |
|      | HT/VHT40 Beam Forming, M0 to M7   | 4 | 7  | 12 | -61.2 | -62.4 | -63.8 | -61.1 | -43.9 | -41.25 | 2.6  |

|      |                                   |   |    |    |       |       |       |       |       |        |      |
|------|-----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|------|
|      | HT/VHT40 Beam Forming, M8 to M15  | 4 | 10 | 9  | -59.7 | -60.4 | -60.0 | -59.6 | -44.8 | -41.25 | 3.5  |
|      | HT/VHT40 Beam Forming, M16 to M23 | 4 | 12 | 7  | -58.2 | -58.6 | -58.8 | -58.1 | -45.3 | -41.25 | 4.0  |
|      | HT/VHT40 Beam Forming, M24 to M31 | 4 | 14 | 6  | -55.2 | -56.6 | -56.6 | -56.6 | -44.1 | -41.25 | 2.8  |
|      | HT/VHT40 STBC, M0 to M7           | 2 | 14 | 6  | -55.2 | -56.6 |       |       | -46.7 | -41.25 | 5.5  |
|      | HT/VHT40 STBC, M0 to M7           | 3 | 14 | 6  | -55.2 | -56.6 | -56.6 |       | -45.2 | -41.25 | 4.0  |
|      | HT/VHT40 STBC, M0 to M7           | 4 | 14 | 6  | -55.2 | -56.6 | -56.6 | -56.6 | -44.1 | -41.25 | 2.8  |
|      | HE40, M0 to M9 1ss                | 1 | 12 | 6  | -58.7 |       |       |       | -52.6 | -41.25 | 11.3 |
|      | HE40, M0 to M9 1ss                | 2 | 12 | 6  | -58.7 | -57.9 |       |       | -49.1 | -41.25 | 7.9  |
|      | HE40, M0 to M9 2ss                | 2 | 12 | 6  | -58.7 | -57.9 |       |       | -49.1 | -41.25 | 7.9  |
|      | HE40, M0 to M9 1ss                | 3 | 12 | 6  | -58.7 | -57.9 | -56.5 |       | -46.7 | -41.25 | 5.5  |
|      | HE40, M0 to M9 2ss                | 3 | 12 | 6  | -58.7 | -57.9 | -56.5 |       | -46.7 | -41.25 | 5.5  |
|      | HE40, M0 to M9 3ss                | 3 | 12 | 6  | -58.7 | -57.9 | -56.5 |       | -46.7 | -41.25 | 5.5  |
|      | HE40, M0 to M9 1ss                | 4 | 12 | 6  | -58.7 | -57.9 | -56.5 | -57.9 | -45.5 | -41.25 | 4.3  |
|      | HE40, M0 to M9 2ss                | 4 | 12 | 6  | -58.7 | -57.9 | -56.5 | -57.9 | -45.5 | -41.25 | 4.3  |
|      | HE40, M0 to M9 3ss                | 4 | 12 | 6  | -58.7 | -57.9 | -56.5 | -57.9 | -45.5 | -41.25 | 4.3  |
|      | HE40, M0 to M9 4ss                | 4 | 12 | 6  | -58.7 | -57.9 | -56.5 | -57.9 | -45.5 | -41.25 | 4.3  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 2 | 12 | 9  | -58.7 | -57.9 |       |       | -46.1 | -41.25 | 4.9  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 2 | 12 | 6  | -58.7 | -57.9 |       |       | -49.1 | -41.25 | 7.9  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 3 | 10 | 11 | -60.3 | -59.5 | -58.5 |       | -43.5 | -41.25 | 2.2  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 3 | 12 | 8  | -58.7 | -57.9 | -56.5 |       | -44.7 | -41.25 | 3.5  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 3 | 12 | 6  | -58.7 | -57.9 | -56.5 |       | -46.7 | -41.25 | 5.5  |
|      | HE40 Beam Forming, M0 to M9 1ss   | 4 | 7  | 12 | -62.5 | -61.0 | -60.3 | -62.0 | -43.2 | -41.25 | 2.0  |
|      | HE40 Beam Forming, M0 to M9 2ss   | 4 | 10 | 9  | -60.3 | -59.5 | -58.5 | -58.5 | -44.0 | -41.25 | 2.7  |
|      | HE40 Beam Forming, M0 to M9 3ss   | 4 | 12 | 7  | -58.7 | -57.9 | -56.5 | -57.9 | -44.5 | -41.25 | 3.3  |
|      | HE40 Beam Forming, M0 to M9 4ss   | 4 | 12 | 6  | -58.7 | -57.9 | -56.5 | -57.9 | -45.5 | -41.25 | 4.3  |
|      | HE40 STBC, M0 to M9 2ss           | 2 | 12 | 6  | -58.7 | -57.9 |       |       | -49.1 | -41.25 | 7.9  |
|      | HE40 STBC, M0 to M9 2ss           | 3 | 12 | 6  | -58.7 | -57.9 | -56.5 |       | -46.7 | -41.25 | 5.5  |
|      | HE40 STBC, M0 to M9 2ss           | 4 | 12 | 6  | -58.7 | -57.9 | -56.5 | -57.9 | -45.5 | -41.25 | 4.3  |
|      |                                   |   |    |    |       |       |       |       |       |        |      |
| 5530 | Non HT80, 6 to 54 Mbps            | 1 | 13 | 6  | -54.6 |       |       |       | -48.6 | -41.25 | 7.3  |
|      | Non HT80, 6 to 54 Mbps            | 2 | 13 | 6  | -54.6 | -55.9 |       |       | -46.1 | -41.25 | 4.9  |
|      | Non HT80, 6 to 54 Mbps            | 3 | 13 | 6  | -54.6 | -55.9 | -55.3 |       | -44.4 | -41.25 | 3.2  |
|      | Non HT80, 6 to 54 Mbps            | 4 | 12 | 6  | -56.4 | -57.6 | -55.6 | -56.2 | -44.3 | -41.25 | 3.1  |
|      | VHT80, M0 to M9 1ss               | 1 | 14 | 6  | -51.5 |       |       |       | -45.3 | -41.25 | 4.0  |
|      | VHT80, M0 to M9 1ss               | 2 | 13 | 6  | -53.9 | -54.8 |       |       | -45.1 | -41.25 | 3.8  |
|      | VHT80, M0 to M9 2ss               | 2 | 13 | 6  | -53.9 | -54.8 |       |       | -45.1 | -41.25 | 3.8  |
|      | VHT80, M0 to M9 1ss               | 3 | 13 | 6  | -53.9 | -54.8 | -58.5 |       | -44.3 | -41.25 | 3.1  |
|      | VHT80, M0 to M9 2ss               | 3 | 13 | 6  | -53.9 | -54.8 | -58.5 |       | -44.3 | -41.25 | 3.1  |
|      | VHT80, M0 to M9 3ss               | 3 | 13 | 6  | -53.9 | -54.8 | -58.5 |       | -44.3 | -41.25 | 3.1  |
|      | VHT80, M0 to M9 1ss               | 4 | 13 | 6  | -53.9 | -54.8 | -58.5 | -57.0 | -43.4 | -41.25 | 2.2  |
|      | VHT80, M0 to M9 2ss               | 4 | 13 | 6  | -53.9 | -54.8 | -58.5 | -57.0 | -43.4 | -41.25 | 2.2  |

|      |                                  |   |    |    |       |       |       |       |       |        |     |
|------|----------------------------------|---|----|----|-------|-------|-------|-------|-------|--------|-----|
|      | VHT80, M0 to M9 3ss              | 4 | 13 | 6  | -53.9 | -54.8 | -58.5 | -57.0 | -43.4 | -41.25 | 2.2 |
|      | VHT80, M0 to M9 4ss              | 4 | 13 | 6  | -53.9 | -54.8 | -58.5 | -57.0 | -43.4 | -41.25 | 2.2 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 2 | 13 | 9  | -53.9 | -54.8 |       |       | -42.1 | -41.25 | 0.8 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 2 | 13 | 6  | -53.9 | -54.8 |       |       | -45.1 | -41.25 | 3.8 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 3 | 10 | 11 | -59.0 | -58.1 | -60.1 |       | -43.0 | -41.25 | 1.7 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 3 | 13 | 8  | -53.9 | -54.8 | -58.5 |       | -42.3 | -41.25 | 1.1 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 3 | 13 | 6  | -53.9 | -54.8 | -58.5 |       | -44.3 | -41.25 | 3.1 |
|      | VHT80 Beam Forming, M0 to M9 1ss | 4 | 7  | 12 | -62.1 | -59.9 | -62.6 | -61.4 | -43.1 | -41.25 | 1.9 |
|      | VHT80 Beam Forming, M0 to M9 2ss | 4 | 10 | 9  | -59.0 | -58.1 | -60.1 | -58.9 | -43.7 | -41.25 | 2.5 |
|      | VHT80 Beam Forming, M0 to M9 3ss | 4 | 12 | 7  | -56.4 | -56.3 | -59.5 | -57.8 | -44.1 | -41.25 | 2.8 |
|      | VHT80 Beam Forming, M0 to M9 4ss | 4 | 13 | 6  | -53.9 | -54.8 | -58.5 | -57.0 | -43.4 | -41.25 | 2.2 |
|      | VHT80 STBC, M0 to M9 1ss         | 2 | 13 | 6  | -53.9 | -54.8 |       |       | -45.1 | -41.25 | 3.8 |
|      | VHT80 STBC, M0 to M9 1ss         | 3 | 13 | 6  | -53.9 | -54.8 | -58.5 |       | -44.3 | -41.25 | 3.1 |
|      | VHT80 STBC, M0 to M9 1ss         | 4 | 13 | 6  | -53.9 | -54.8 | -58.5 | -57.0 | -43.4 | -41.25 | 2.2 |
|      | HE80, M0 to M9 1ss               | 1 | 15 | 6  | -47.9 |       |       |       | -41.7 | -41.25 | 0.4 |
|      | HE80, M0 to M9 1ss               | 2 | 14 | 6  | -51.1 | -53.2 |       |       | -42.8 | -41.25 | 1.5 |
|      | HE80, M0 to M9 2ss               | 2 | 14 | 6  | -51.1 | -53.2 |       |       | -42.8 | -41.25 | 1.5 |
|      | HE80, M0 to M9 1ss               | 3 | 14 | 6  | -51.1 | -53.2 | -57.2 |       | -42.2 | -41.25 | 0.9 |
|      | HE80, M0 to M9 2ss               | 3 | 14 | 6  | -51.1 | -53.2 | -57.2 |       | -42.2 | -41.25 | 0.9 |
|      | HE80, M0 to M9 3ss               | 3 | 14 | 6  | -51.1 | -53.2 | -57.2 |       | -42.2 | -41.25 | 0.9 |
|      | HE80, M0 to M9 1ss               | 4 | 14 | 6  | -51.1 | -53.2 | -57.2 | -56.4 | -41.5 | -41.25 | 0.3 |
|      | HE80, M0 to M9 2ss               | 4 | 14 | 6  | -51.1 | -53.2 | -57.2 | -56.4 | -41.5 | -41.25 | 0.3 |
|      | HE80, M0 to M9 3ss               | 4 | 14 | 6  | -51.1 | -53.2 | -57.2 | -56.4 | -41.5 | -41.25 | 0.3 |
|      | HE80, M0 to M9 4ss               | 4 | 14 | 6  | -51.1 | -53.2 | -57.2 | -56.4 | -41.5 | -41.25 | 0.3 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 2 | 12 | 9  | -56.0 | -55.6 |       |       | -43.5 | -41.25 | 2.3 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 2 | 14 | 6  | -51.1 | -53.2 |       |       | -42.8 | -41.25 | 1.5 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 3 | 10 | 11 | -59.7 | -57.6 | -59.8 |       | -42.9 | -41.25 | 1.6 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 3 | 13 | 8  | -52.7 | -54.2 | -58.3 |       | -41.5 | -41.25 | 0.2 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 3 | 14 | 6  | -51.1 | -53.2 | -57.2 |       | -42.2 | -41.25 | 0.9 |
|      | HE80 Beam Forming, M0 to M9 1ss  | 4 | 7  | 12 | -61.8 | -60.1 | -62.7 | -62.5 | -43.4 | -41.25 | 2.1 |
|      | HE80 Beam Forming, M0 to M9 2ss  | 4 | 10 | 9  | -59.7 | -57.6 | -59.8 | -59.1 | -43.7 | -41.25 | 2.4 |
|      | HE80 Beam Forming, M0 to M9 3ss  | 4 | 12 | 7  | -56.0 | -55.6 | -58.9 | -58.1 | -43.7 | -41.25 | 2.4 |
|      | HE80 Beam Forming, M0 to M9 4ss  | 4 | 14 | 6  | -51.1 | -53.2 | -57.2 | -56.4 | -41.5 | -41.25 | 0.3 |
|      | HE80 STBC, M0 to M9 1ss          | 2 | 14 | 6  | -51.1 | -53.2 |       |       | -42.8 | -41.25 | 1.5 |
|      | HE80 STBC, M0 to M9 1ss          | 3 | 14 | 6  | -51.1 | -53.2 | -57.2 |       | -42.2 | -41.25 | 0.9 |
|      | HE80 STBC, M0 to M9 1ss          | 4 | 14 | 6  | -51.1 | -53.2 | -57.2 | -56.4 | -41.5 | -41.25 | 0.3 |
| 5570 |                                  |   |    |    |       |       |       |       |       |        |     |
|      | Non HT160, 6 to 54 Mbps          | 1 | 13 | 6  | -52.0 |       |       |       | -46.0 | -41.25 | 4.7 |
|      | Non HT160, 6 to 54 Mbps          | 2 | 12 | 6  | -56.1 | -53.2 |       |       | -45.4 | -41.25 | 4.1 |
|      | Non HT160, 6 to 54 Mbps          | 3 | 12 | 6  | -56.1 | -53.2 | -53.6 |       | -43.3 | -41.25 | 2.1 |
|      | Non HT160, 6 to 54 Mbps          | 4 | 12 | 6  | -56.1 | -53.2 | -53.6 | -53.3 | -41.8 | -41.25 | 0.6 |

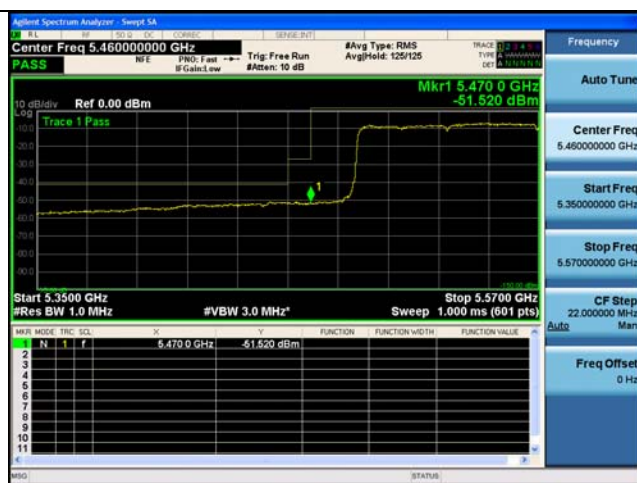
|                                   |          |           |          |              |              |              |              |              |               |            |
|-----------------------------------|----------|-----------|----------|--------------|--------------|--------------|--------------|--------------|---------------|------------|
| VHT160, M0 to M9 1ss              | 1        | 13        | 6        | -53.7        |              |              |              | -47.3        | -41.25        | 6.1        |
| VHT160, M0 to M9 1ss              | 2        | 12        | 6        | -56.3        | -55.8        |              |              | -46.6        | -41.25        | 5.4        |
| VHT160, M0 to M9 2ss              | 2        | 12        | 6        | -56.3        | -55.8        |              |              | -46.6        | -41.25        | 5.4        |
| VHT160, M0 to M9 1ss              | 3        | 12        | 6        | -56.3        | -55.8        | -57.5        |              | -45.3        | -41.25        | 4.1        |
| VHT160, M0 to M9 2ss              | 3        | 12        | 6        | -56.3        | -55.8        | -57.5        |              | -45.3        | -41.25        | 4.1        |
| VHT160, M0 to M9 3ss              | 3        | 12        | 6        | -56.3        | -55.8        | -57.5        |              | -45.3        | -41.25        | 4.1        |
| VHT160, M0 to M9 1ss              | 4        | 9         | 6        | -60.2        | -59.6        | -60.8        | -59.5        | -47.6        | -41.25        | 6.3        |
| VHT160, M0 to M9 2ss              | 4        | 9         | 6        | -60.2        | -59.6        | -60.8        | -59.5        | -47.6        | -41.25        | 6.3        |
| VHT160, M0 to M9 3ss              | 4        | 9         | 6        | -60.2        | -59.6        | -60.8        | -59.5        | -47.6        | -41.25        | 6.3        |
| VHT160, M0 to M9 4ss              | 4        | 9         | 6        | -60.2        | -59.6        | -60.8        | -59.5        | -47.6        | -41.25        | 6.3        |
| VHT160 Beam Forming, M0 to M9 1ss | 2        | 8         | 9        | -60.0        | -60.6        |              |              | -47.9        | -41.25        | 6.6        |
| VHT160 Beam Forming, M0 to M9 2ss | 2        | 12        | 6        | -56.3        | -55.8        |              |              | -46.6        | -41.25        | 5.4        |
| VHT160 Beam Forming, M0 to M9 1ss | 3        | 5         | 11       | -62.1        | -63.0        | -65.4        |              | -47.1        | -41.25        | 5.9        |
| VHT160 Beam Forming, M0 to M9 2ss | 3        | 8         | 8        | -60.0        | -60.6        | -61.1        |              | -47.4        | -41.25        | 6.1        |
| VHT160 Beam Forming, M0 to M9 3ss | 3        | 12        | 6        | -56.3        | -55.8        | -57.5        |              | -45.3        | -41.25        | 4.1        |
| VHT160 Beam Forming, M0 to M9 1ss | 4        | 3         | 12       | -65.5        | -64.1        | -66.8        | -65.3        | -46.9        | -41.25        | 5.7        |
| VHT160 Beam Forming, M0 to M9 2ss | 4        | 7         | 9        | -61.6        | -61.3        | -63.4        | -62.4        | -46.7        | -41.25        | 5.4        |
| VHT160 Beam Forming, M0 to M9 3ss | 4        | 8         | 7        | -60.0        | -60.6        | -61.1        | -60.9        | -47.2        | -41.25        | 6.0        |
| VHT160 Beam Forming, M0 to M9 4ss | 4        | 9         | 6        | -60.2        | -59.6        | -60.8        | -59.5        | -47.6        | -41.25        | 6.3        |
| VHT160 STBC, M0 to M9 1ss         | 2        | 12        | 6        | -56.3        | -55.8        |              |              | -46.6        | -41.25        | 5.4        |
| VHT160 STBC, M0 to M9 1ss         | 3        | 12        | 6        | -56.3        | -55.8        | -57.5        |              | -45.3        | -41.25        | 4.1        |
| VHT160 STBC, M0 to M9 1ss         | 4        | 9         | 6        | -60.2        | -59.6        | -60.8        | -59.5        | -47.6        | -41.25        | 6.3        |
| HE160, M0 to M9 1ss               | 1        | 15        | 6        | -49.3        |              |              |              | -42.9        | -41.25        | 1.6        |
| HE160, M0 to M9 1ss               | 2        | 14        | 6        | -51.5        | -54.1        |              |              | -43.2        | -41.25        | 1.9        |
| HE160, M0 to M9 2ss               | 2        | 14        | 6        | -51.5        | -54.1        |              |              | -43.2        | -41.25        | 1.9        |
| HE160, M0 to M9 1ss               | 3        | 14        | 6        | -51.5        | -54.1        | -54.8        |              | -42.0        | -41.25        | 0.8        |
| HE160, M0 to M9 2ss               | 3        | 14        | 6        | -51.5        | -54.1        | -54.8        |              | -42.0        | -41.25        | 0.8        |
| HE160, M0 to M9 3ss               | 3        | 14        | 6        | -51.5        | -54.1        | -54.8        |              | -42.0        | -41.25        | 0.8        |
| <b>HE160, M0 to M9 1ss</b>        | <b>4</b> | <b>14</b> | <b>6</b> | <b>-51.5</b> | <b>-54.1</b> | <b>-54.8</b> | <b>-56.1</b> | <b>-41.3</b> | <b>-41.25</b> | <b>0.1</b> |
| HE160, M0 to M9 2ss               | 4        | 14        | 6        | -51.5        | -54.1        | -54.8        | -56.1        | -41.3        | -41.25        | 0.1        |
| HE160, M0 to M9 3ss               | 4        | 14        | 6        | -51.5        | -54.1        | -54.8        | -56.1        | -41.3        | -41.25        | 0.1        |
| HE160, M0 to M9 4ss               | 4        | 14        | 6        | -51.5        | -54.1        | -54.8        | -56.1        | -41.3        | -41.25        | 0.1        |
| HE160 Beam Forming, M0 to M9 1ss  | 2        | 13        | 9        | -54.0        | -56.1        |              |              | -42.5        | -41.25        | 1.2        |
| HE160 Beam Forming, M0 to M9 2ss  | 2        | 14        | 6        | -51.5        | -54.1        |              |              | -43.2        | -41.25        | 1.9        |
| HE160 Beam Forming, M0 to M9 1ss  | 3        | 11        | 11       | -58.0        | -58.2        | -59.7        |              | -42.4        | -41.25        | 1.1        |
| HE160 Beam Forming, M0 to M9 2ss  | 3        | 13        | 8        | -54.0        | -56.1        | -56.8        |              | -42.3        | -41.25        | 1.0        |
| HE160 Beam Forming, M0 to M9 3ss  | 3        | 14        | 6        | -51.5        | -54.1        | -54.8        |              | -42.0        | -41.25        | 0.8        |
| HE160 Beam Forming, M0 to M9 1ss  | 4        | 8         | 12       | -61.5        | -60.7        | -62.2        | -62.1        | -43.1        | -41.25        | 1.9        |
| HE160 Beam Forming, M0 to M9 2ss  | 4        | 11        | 9        | -58.0        | -58.2        | -59.7        | -59.9        | -43.4        | -41.25        | 2.2        |
| HE160 Beam Forming, M0 to M9 3ss  | 4        | 13        | 7        | -54.0        | -56.1        | -56.8        | -57.8        | -42.5        | -41.25        | 1.3        |
| HE160 Beam Forming, M0 to M9 4ss  | 4        | 14        | 6        | -51.5        | -54.1        | -54.8        | -56.1        | -41.3        | -41.25        | 0.1        |

|  |                          |   |    |   |       |       |       |       |       |        |     |
|--|--------------------------|---|----|---|-------|-------|-------|-------|-------|--------|-----|
|  | HE160 STBC, M0 to M9 1ss | 2 | 14 | 6 | -51.5 | -54.1 |       |       | -43.2 | -41.25 | 1.9 |
|  | HE160 STBC, M0 to M9 1ss | 3 | 14 | 6 | -51.5 | -54.1 | -54.8 |       | -42.0 | -41.25 | 0.8 |
|  | HE160 STBC, M0 to M9 1ss | 4 | 14 | 6 | -51.5 | -54.1 | -54.8 | -56.1 | -41.3 | -41.25 | 0.1 |

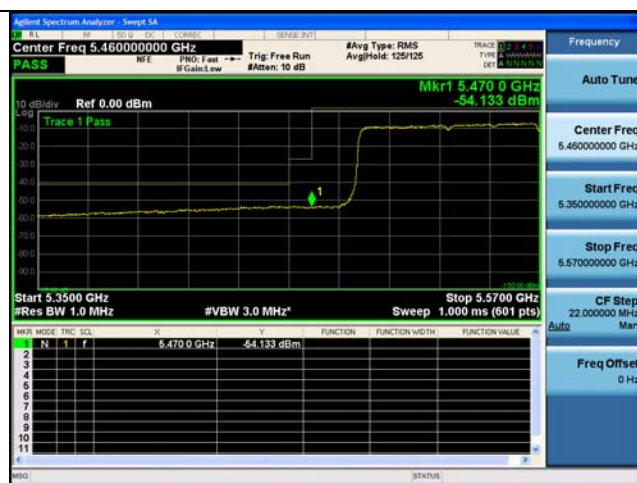
### 5.6.7 Conducted Band Edge Plots – Average

## 5570MHz, HE160 Beamforming, M0h1

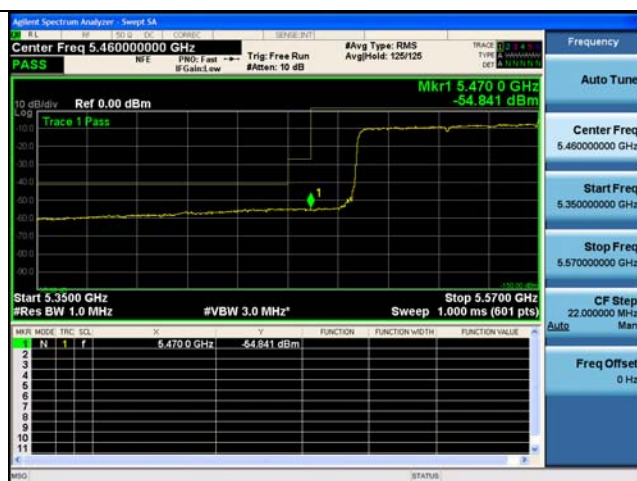
### Antenna A



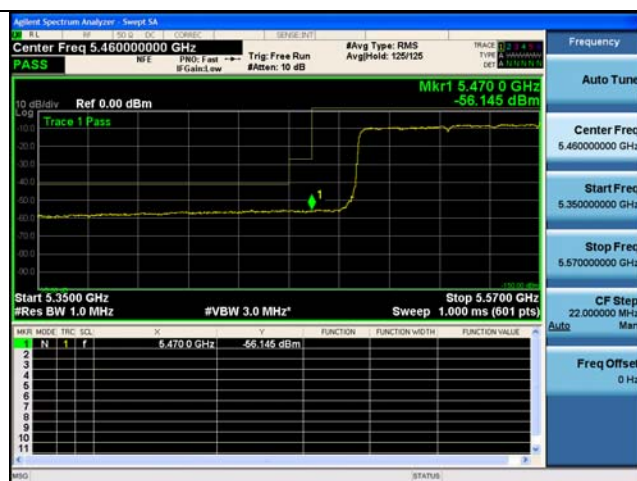
### Antenna B



### Antenna C



### Antenna D



## Section 6: Emission Test Results

## 6.1 Transmitter Radiated Spurious Emissions

Note: Results for Transmitter Radiated Spurious Emissions are in BACL report R1903188-407 (Cisco EDCS# 16915215).

## 6.2 AC Conducted Emissions

Note: Only DC power is supplied to the unit.

## Appendix A: List of Test Equipment Used to perform the test

| Equip# | Manufacturer/ Model | Description | Last Cal | Next Due |
|--------|---------------------|-------------|----------|----------|
|--------|---------------------|-------------|----------|----------|



| <b>RF Conducted test equipment 3/12/2019 – 4/29/2019</b> |                                    |                                    |                   |                   |
|----------------------------------------------------------|------------------------------------|------------------------------------|-------------------|-------------------|
| 53614                                                    | Keysight (Agilent/HP) / N9030A-550 | PXA Signal Analyzer, 3Hz to 50GHz  | 17 Jul. 2018      | 17 Jul. 2019      |
| 57475                                                    | Cisco                              | Automated Radio Testing Station    | Verify Before Use | Verify Before Use |
| 54237                                                    | Keysight (Agilent/HP) / 8710-1765  | Preset Torque Wrench, 8in/lbs      | 14 Feb. 2019      | 14 Feb. 2020      |
| 06325                                                    | Lufft / 5063-33W                   | Dial Hygrometer                    | 27 Aug. 2018      | 27 Aug. 2019      |
| 49516                                                    | Keysight (Agilent/HP)              | PXA Signal Analyzer, 3Hz to 50GHz  | 29 Nov. 2018      | 29 Nov. 2019      |
| 57238                                                    | NATIONAL INSTRUMENTS / PXI-8115    | Embedded Controller                | Cal. not required | Cal. not required |
| 57247                                                    | NATIONAL INSTRUMENTS / PXI-2796    | 40 GHz Dual 6x1 Multiplexer (SP6T) | Verify Before Use | Verify Before Use |
| 57248                                                    | NATIONAL INSTRUMENTS / PXI-2799    | Switch 1x1                         | Verify Before Use | Verify Before Use |
| 56092                                                    | NATIONAL INSTRUMENTS / PXI-2796    | 40 GHz Dual 6x1 Multiplexer (SP6T) | Verify Before Use | Verify Before Use |
| 57479                                                    | Cisco                              | Automated Radio Testing Station    | Verify Before Use | Verify Before Use |
| 57233                                                    | NATIONAL INSTRUMENTS / PXI-8115    | Embedded Controller                | Cal. not required | Cal. not required |
| 57253                                                    | NATIONAL INSTRUMENTS / PXI-2796    | 40 GHz Dual 6x1 Multiplexer (SP6T) | Verify Before Use | Verify Before Use |
| 57254                                                    | NATIONAL INSTRUMENTS / PXI-2799    | Switch 1x1                         | Verify Before Use | Verify Before Use |
| 56089                                                    | NATIONAL INSTRUMENTS / PXI-2796    | 40 GHz Dual 6x1 Multiplexer (SP6T) | Verify Before Use | Verify Before Use |

## Appendix B: 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 ( $1 \times 10^3$ )       |
| EN           | European Norm                                                        | MHz          | MegaHertz ( $1 \times 10^6$ )       |
| IEC          | International Electro technical Commission                           | GHz          | Gigahertz ( $1 \times 10^9$ )       |
| CISPR        | International Special Committee on Radio Interference                | H            | Horizontal                          |
| CDN          | Coupling/Decoupling Network                                          | V            | Vertical                            |
| LISN         | Line Impedance Stabilization Network                                 | dB           | decibel                             |
| PE           | Protective Earth                                                     | V            | Volt                                |
| GND          | Ground                                                               | kV           | Kilovolt ( $1 \times 10^3$ )        |
| L1           | Line 1                                                               | μV           | Microvolt ( $1 \times 10^{-6}$ )    |
| L2           | Line2                                                                | A            | Amp                                 |
| L3           | Line 3                                                               | μA           | Micro Amp ( $1 \times 10^{-6}$ )    |
| DC           | Direct Current                                                       | mS           | Milli Second ( $1 \times 10^{-3}$ ) |
| RAW          | Uncorrected measurement value, as indicated by the measuring device  | μS           | Micro Second ( $1 \times 10^{-6}$ ) |
| RF           | Radio Frequency                                                      | μS           | Micro Second ( $1 \times 10^{-6}$ ) |
| 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)       |
| P            | Power Line                                                           | L            | Live Line                           |
| N            | Neutral Line                                                         | R            | Return                              |
| S            | Supply                                                               | AC           | Alternating Current                 |

## Appendix C: Software Used to Perform Testing

Automated Testing Software: RF\_Automation.vi version 49

Automated Testing Software: RF\_Automation.vi version 51

## Appendix D: Test Procedures

Measurements were made in accordance with

- KDB 789033 - D02 General UNII Test Procedures New Rules v01r02
- 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 E: 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 F: Test Assessment Plan

Test Plan EDCS# 15438021  
Power Tables EDCS# 16904328

## Appendix G: Test Setup Photos

Conducted Test Setup Photo I



Conducted Test Setup Photo II

