

FCC Radio Test Report

FCC ID : LDKC11312378
Contains FCC ID : RI7LM960
Equipment : C1131
Brand Name : Cisco
Model Name : C1131X-8PLTEPWB, C1131-8PLTEPWB,
C1131-8PWB, C1131X-8PWB
Applicant : Cisco Systems Inc
125 West Tasman Drive , San Jose, CA 95134, USA.
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA.
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 23, 2021, and testing was started from Jul. 23, 2021 and completed on Sep. 02, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR172003AC	01	Initial issue of report	Nov. 05, 2021

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worse case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluated the output power.

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20)	2412-2462	1-11 [11]

Non-Beamforming_2T1S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX

Non-Beamforming_2T2S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20	20	2TX

Beamforming_2T1S

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	M.gear	C107-511917-A	PIFA	I-PEX
2	M.gear	C107-511917-A	PIFA	I-PEX

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	2	4
2	2	2	4

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Power Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
Resource Unit (802.11ax)	☒ Full RU	☐ Partial RU	
Type of EUT			
☒ Stand-alone			
☐ Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:	...	
☐ Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:	...	
☐ Other:			

**1.1.4 Mode Test Duty Cycle****Non-Beamforming_2T1S**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b_Nss1,(1Mbps)_2TX	0.908	0.42	1.442m	1k
802.11g_Nss1,(6Mbps)_2TX	0.99	0.04	2.385m	10
802.11ax HEW20_Nss1,(MCS0)_2TX	0.984	0.07	1.711m	10

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_2T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20_Nss2,(MCS0)_2TX	0.972	0.12	893.125u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.984	0.07	1.711m	10

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Multiple Listing

Model	Description	Pluggable LTE module	DDR4
C1131X-8PLTEPWB	8-Port Pluggable 8GB	Yes	8GB
C1131-8PLTEPWB	8-Port Pluggable 4GB	Yes	4GB
C1131X-8PWB	8-Port 8GB	No	8GB
C1131-8PWB	8-Port 4GB	No	4GB

From the above models, Model: C1131X-8PLTEPWB was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Billy Wang	22.8~23.4°C / 58~60%	06/Aug/2021~07/Aug/2021
RF Conducted	TH01-HY	Barry Hsiao	25.3~26.9°C / 50~60%	25/Jul/2021~05/Aug/2021
Radiated	03CH02-HY	Tony Chang	21.1~22.7°C / 57~60%	23/Jul/2021~27/Jul/2021
Radiated	03CH03-HY	Daniel Lin	22.6~23.5°C / 58~66%	02/Sep/2021
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software	Putty
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Non-Beamforming_2T1S

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	17
2437MHz	17
2462MHz	17
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16
2437MHz	17
2462MHz	14
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	15
2437MHz	17
2462MHz	13

Non-Beamforming_2T2S

Mode	Power Setting
802.11ax HEW20_Nss2,(MCS0)_2TX	-
2412MHz	16
2462MHz	14

Beamforming_2T1S

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	15
2437MHz	17
2462MHz	13

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands Emissions in Restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	2.4GHz WLAN+5GHz WLAN
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	2.4GHz WLAN+5GHz WLAN
2	2.4GHz WLAN+5GHz WLAN+ LTE
Refer to Sporton Test Report No.: FA172003 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
AC Adapter	Brand Name	DELTA	Model Name	ADP-150BR B
	Manufacturer	-	SN	DAB2502X0QP
	Power Rating	I/P: 100 - 240 Vac, 2.5 A, O/P: 12 - 53.5Vdc, 6-1.55 A		

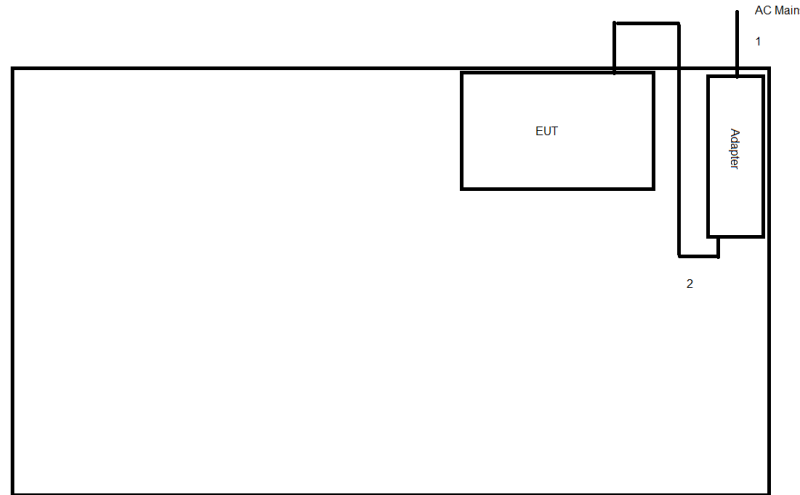
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

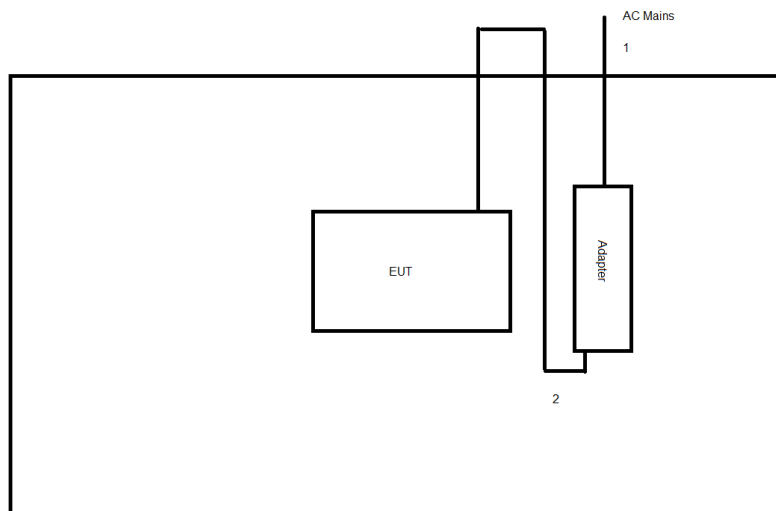
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.5	-
2	DC Power cable	No	1.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.5	-
2	DC Power cable	No	1.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

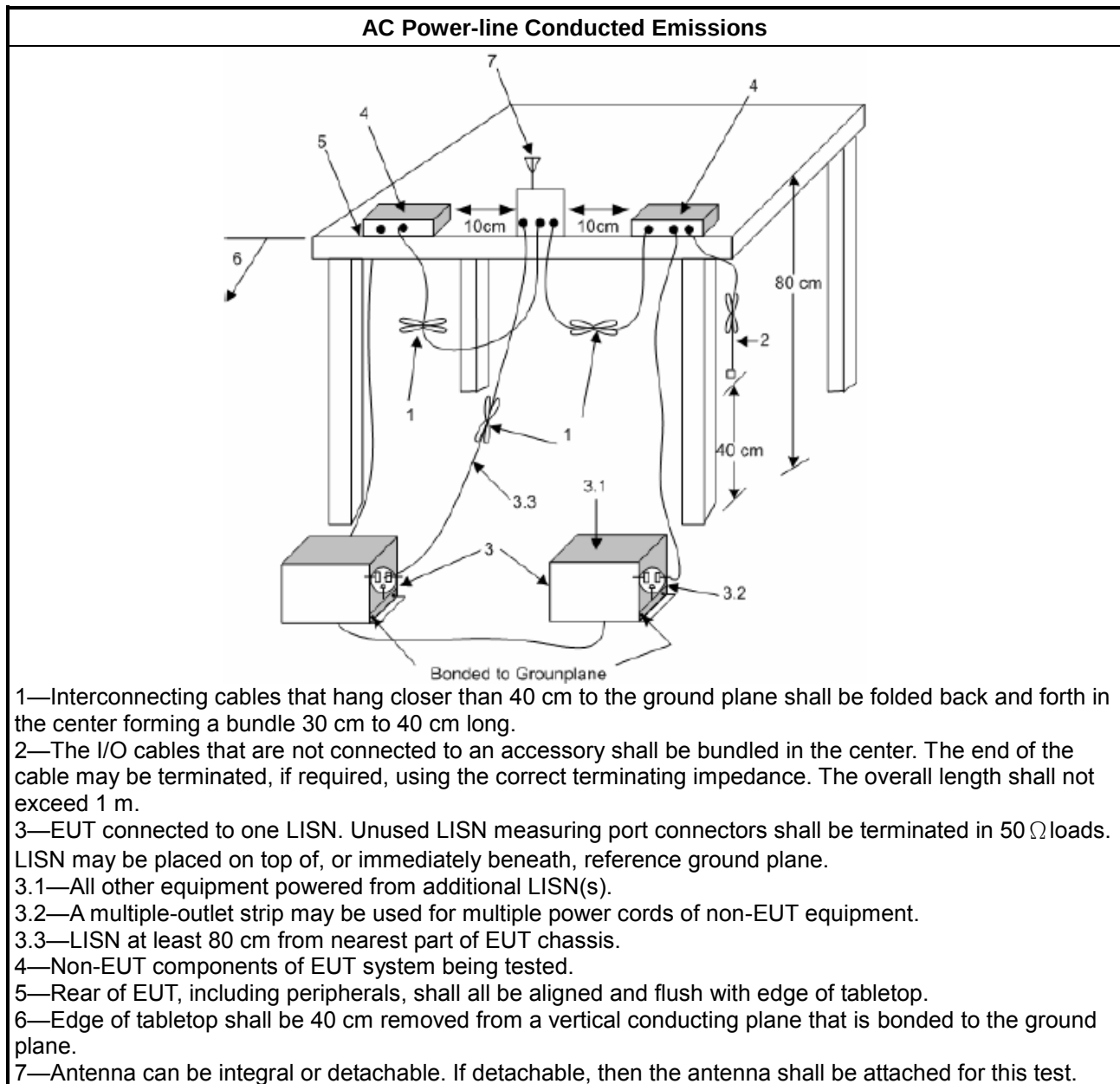
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

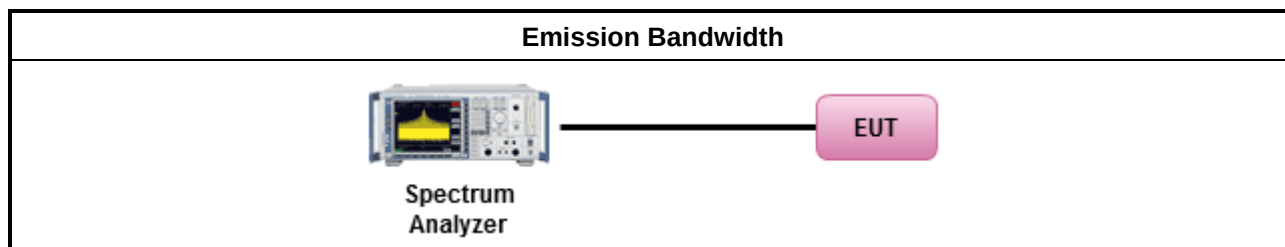
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm	
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm	
	Smart antenna system (SAS):	
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:		
	2400-2483.5 MHz Band	
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)	
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm	
	Smart antenna system (SAS)	
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.		

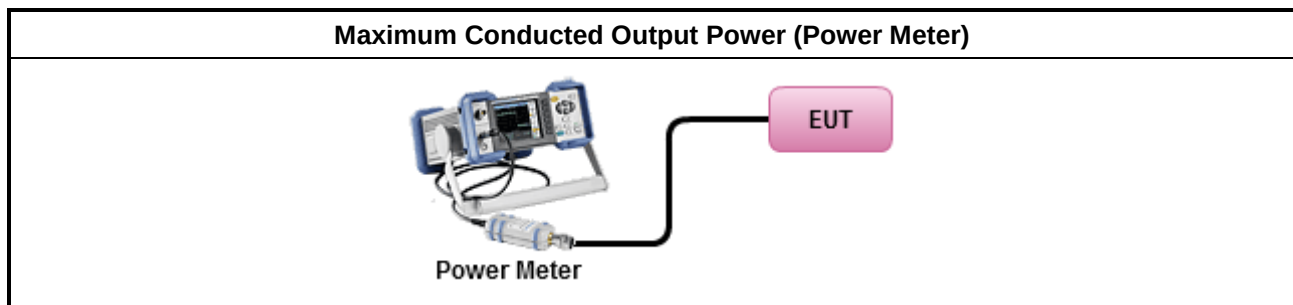
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

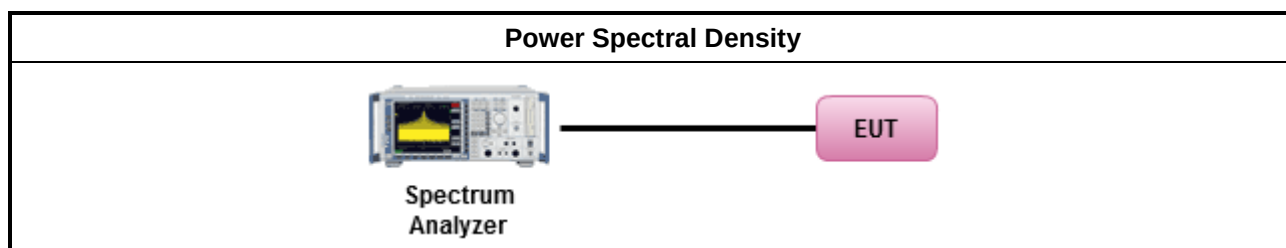
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

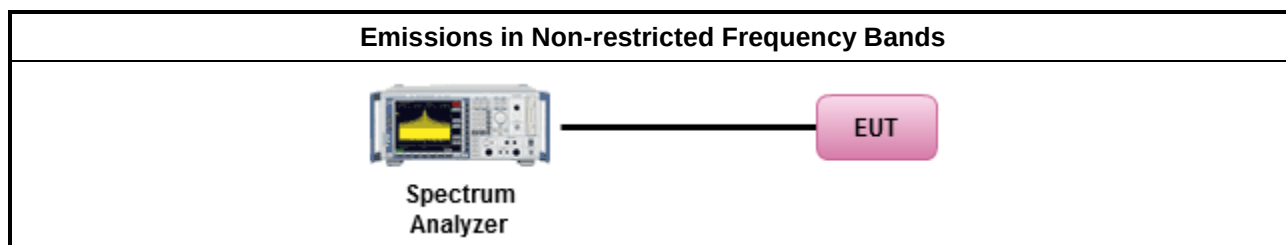
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

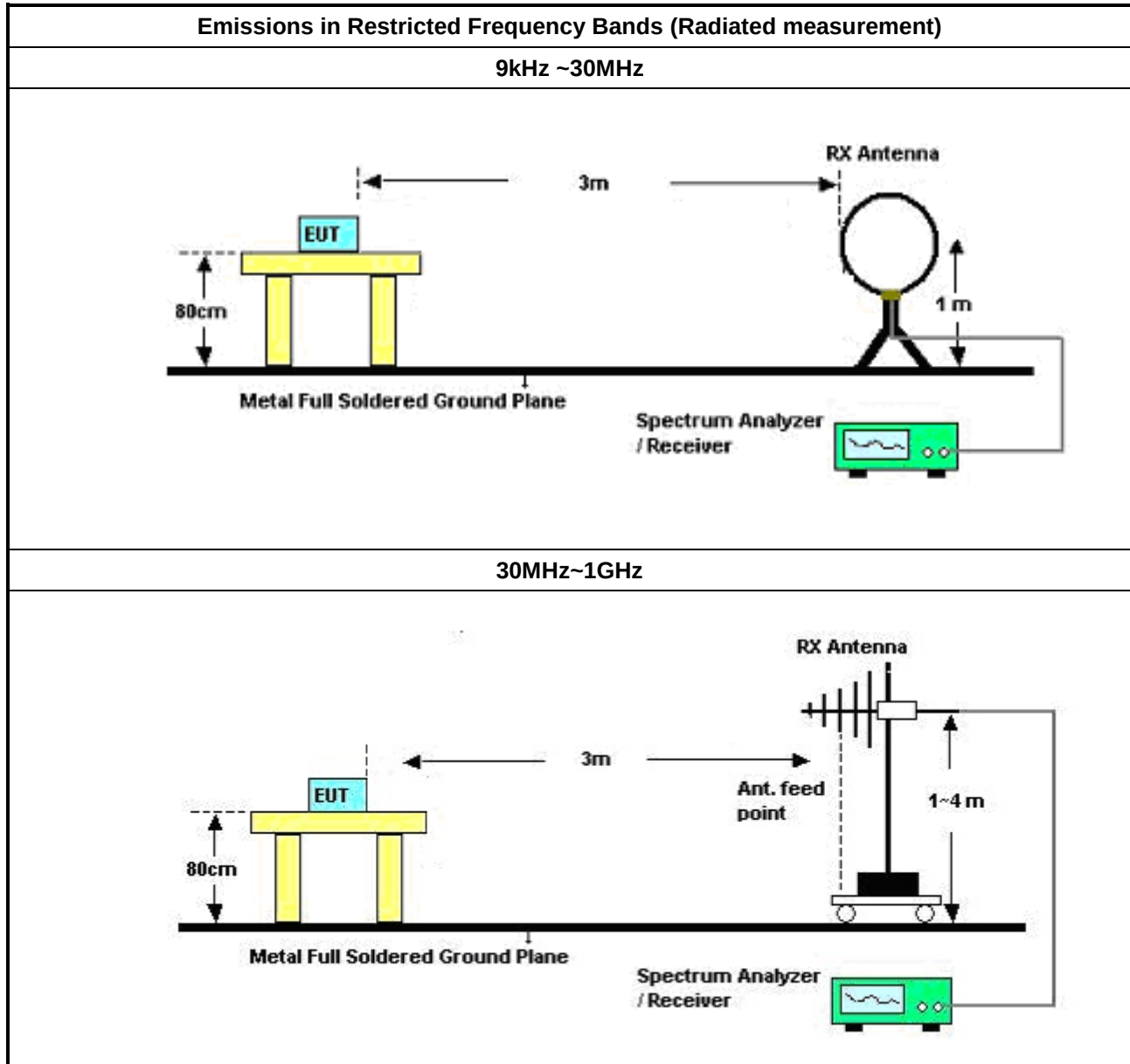
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.
For conducted and cabinet radiation measurement, refer as KDB 558074, clause 3 (12.7.4.2 of ANSI C63.10).	
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

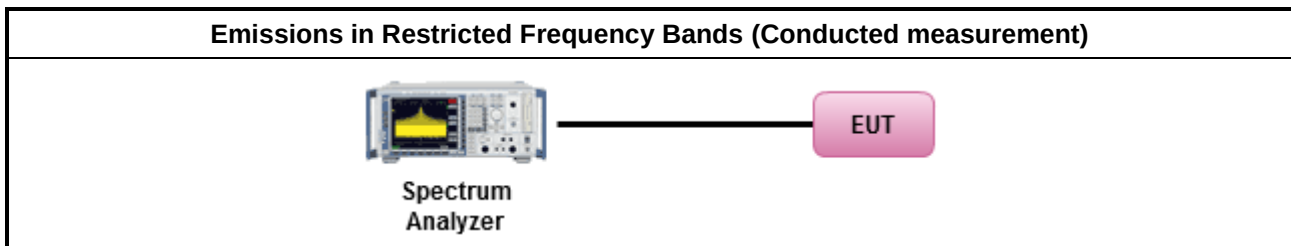
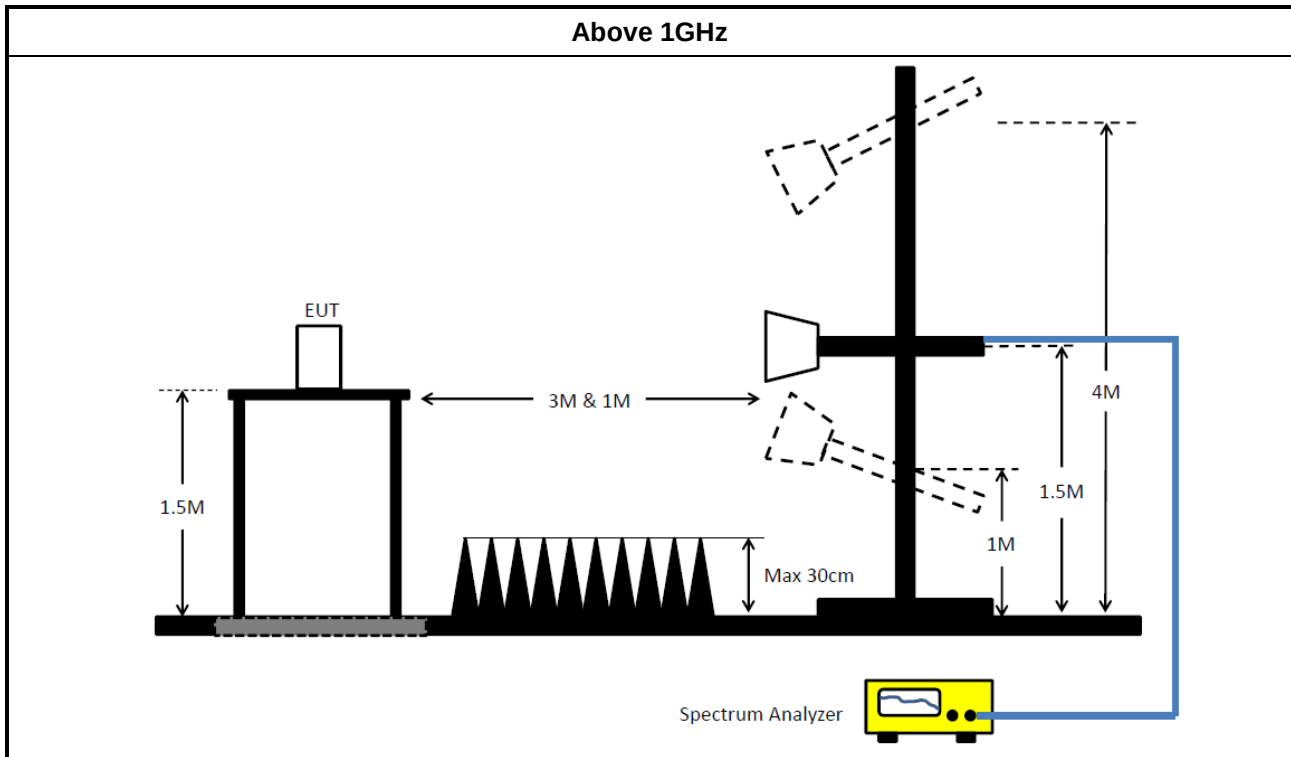
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102052	9kHz ~ 3.6GHz	19/Apr/2021	18/Apr/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/2022

**Instrument for Radiated Test (03CH02-HY)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
Microwave Preampifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	23/Oct/2020	22/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022

Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Microwave System Preampifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	24/Mar/2021	23/Mar/2022
RF CABLE 5+6m	HUBER+ SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022



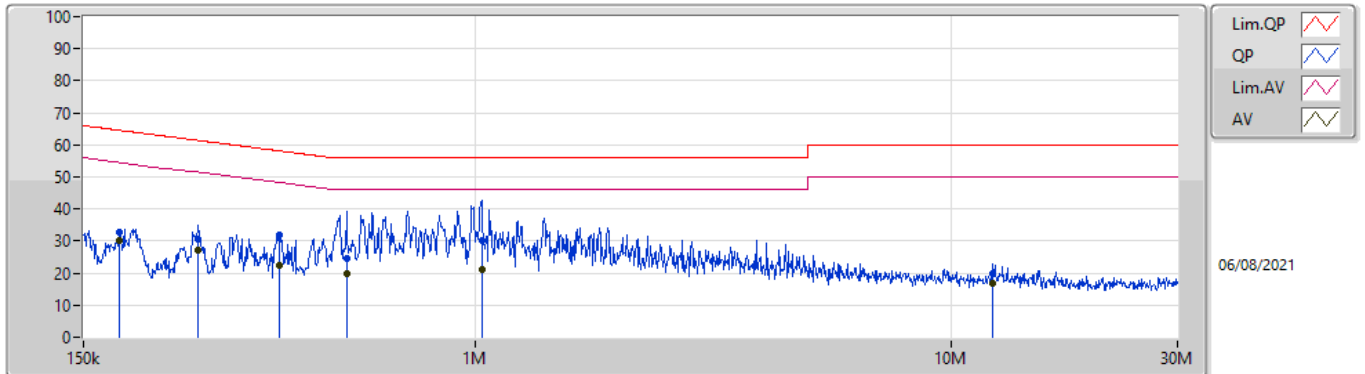
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	991.146k	35.80	56.00	-20.20	Neutral

Mode config

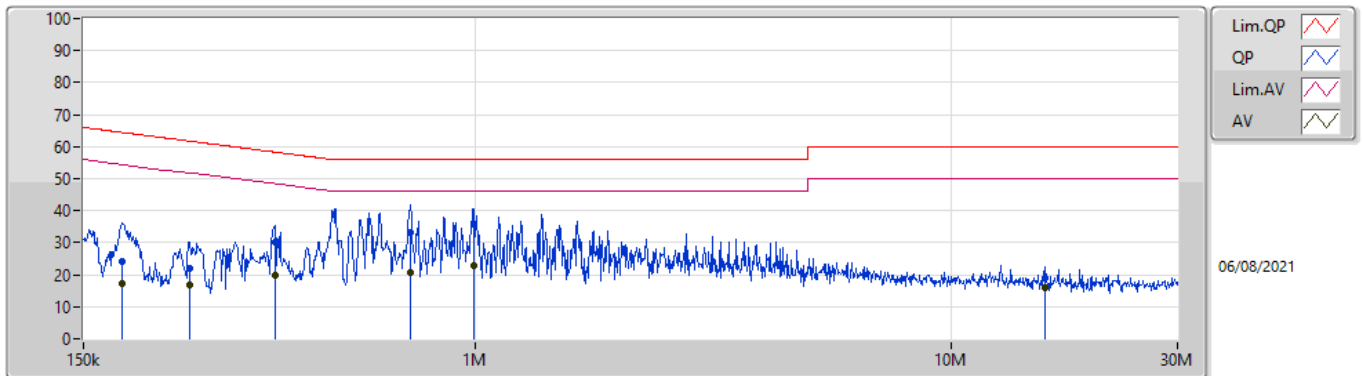
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	178.091k	32.77	64.57	-31.80	Line	-
Mode 1	Pass	AV	178.091k	30.21	54.57	-24.36	Line	-
Mode 1	Pass	QP	261.263k	30.55	61.39	-30.84	Line	-
Mode 1	Pass	AV	261.263k	27.24	51.39	-24.15	Line	-
Mode 1	Pass	QP	387.896k	31.97	58.10	-26.13	Line	-
Mode 1	Pass	AV	387.896k	22.47	48.10	-25.63	Line	-
Mode 1	Pass	QP	535.976k	24.36	56.00	-31.64	Line	-
Mode 1	Pass	AV	535.976k	19.87	46.00	-26.13	Line	-
Mode 1	Pass	QP	1.032M	30.38	56.00	-25.62	Line	-
Mode 1	Pass	AV	1.032M	21.27	46.00	-24.73	Line	-
Mode 1	Pass	QP	12.257M	19.64	60.00	-40.36	Line	-
Mode 1	Pass	AV	12.257M	17.00	50.00	-33.00	Line	-
Mode 1	Pass	QP	180.957k	23.95	64.43	-40.48	Neutral	-
Mode 1	Pass	AV	180.957k	17.08	54.43	-37.35	Neutral	-
Mode 1	Pass	QP	251.038k	21.85	61.72	-39.87	Neutral	-
Mode 1	Pass	AV	251.038k	16.68	51.72	-35.04	Neutral	-
Mode 1	Pass	QP	378.715k	30.10	58.31	-28.21	Neutral	-
Mode 1	Pass	AV	378.715k	19.83	48.31	-28.48	Neutral	-
Mode 1	Pass	QP	728.856k	33.26	56.00	-22.74	Neutral	-
Mode 1	Pass	AV	728.856k	20.61	46.00	-25.39	Neutral	-
Mode 1	Pass	QP	991.146k	35.80	56.00	-20.20	Neutral	-
Mode 1	Pass	AV	991.146k	22.91	46.00	-23.09	Neutral	-
Mode 1	Pass	QP	15.825M	18.85	60.00	-41.15	Neutral	-
Mode 1	Pass	AV	15.825M	15.96	50.00	-34.04	Neutral	-

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	178.091k	32.77	64.57	-31.80	19.62	Line	-	13.15	9.68	0.04	9.90			
AV	178.091k	30.21	54.57	-24.36	19.62	Line	-	10.59	9.68	0.04	9.90			
QP	261.263k	30.55	61.39	-30.84	19.63	Line	-	10.92	9.68	0.05	9.90			
AV	261.263k	27.24	51.39	-24.15	19.63	Line	-	7.61	9.68	0.05	9.90			
QP	387.896k	31.97	58.10	-26.13	19.63	Line	-	12.34	9.67	0.06	9.90			
AV	387.896k	22.47	48.10	-25.63	19.63	Line	-	2.84	9.67	0.06	9.90			
QP	535.976k	24.36	56.00	-31.64	19.61	Line	-	4.75	9.67	0.07	9.87			
AV	535.976k	19.87	46.00	-26.13	19.61	Line	-	0.26	9.67	0.07	9.87			
QP	1.032M	30.38	56.00	-25.62	19.55	Line	-	10.83	9.67	0.08	9.80			
AV	1.032M	21.27	46.00	-24.73	19.55	Line	-	1.72	9.67	0.08	9.80			
QP	12.257M	19.64	60.00	-40.36	19.83	Line	-	-0.19	9.71	0.22	9.90			
AV	12.257M	17.00	50.00	-33.00	19.83	Line	-	-2.83	9.71	0.22	9.90			

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	180.957k	23.95	64.43	-40.48	19.62	Neutral	-	4.33	9.68	0.04	9.90			
AV	180.957k	17.08	54.43	-37.35	19.62	Neutral	-	-2.54	9.68	0.04	9.90			
QP	251.038k	21.85	61.72	-39.87	19.63	Neutral	-	2.22	9.68	0.05	9.90			
AV	251.038k	16.68	51.72	-35.04	19.63	Neutral	-	-2.95	9.68	0.05	9.90			
QP	378.715k	30.10	58.31	-28.21	19.63	Neutral	-	10.47	9.67	0.06	9.90			
AV	378.715k	19.83	48.31	-28.48	19.63	Neutral	-	0.20	9.67	0.06	9.90			
QP	728.856k	33.26	56.00	-22.74	19.57	Neutral	-	13.69	9.67	0.07	9.83			
AV	728.856k	20.61	46.00	-25.39	19.57	Neutral	-	1.04	9.67	0.07	9.83			
QP	991.146k	35.80	56.00	-20.20	19.55	Neutral	-	16.25	9.67	0.08	9.80			
AV	991.146k	22.91	46.00	-23.09	19.55	Neutral	-	3.36	9.67	0.08	9.80			
QP	15.825M	18.85	60.00	-41.15	19.90	Neutral	-	-1.05	9.74	0.26	9.90			
AV	15.825M	15.96	50.00	-34.04	19.90	Neutral	-	-3.94	9.74	0.26	9.90			



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.075M	10.97M	11M0G1D	6.525M	10.17M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.942M	16M9D1D	16.075M	16.642M
802.11ax HEW20_Nss1,(MCS0)_2TX	19M	19.065M	19M1D1D	17.925M	18.916M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	10.345M	7.075M	10.445M
2437MHz	Pass	500k	7.05M	10.27M	6.525M	10.97M
2462MHz	Pass	500k	7.025M	10.62M	7.025M	10.17M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.792M	16.325M	16.892M
2437MHz	Pass	500k	16.3M	16.667M	16.325M	16.942M
2462MHz	Pass	500k	16.075M	16.917M	16.325M	16.642M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	19.015M	18.95M	19.04M
2437MHz	Pass	500k	17.925M	18.966M	18.375M	19.065M
2462MHz	Pass	500k	19M	19.015M	18.825M	18.916M

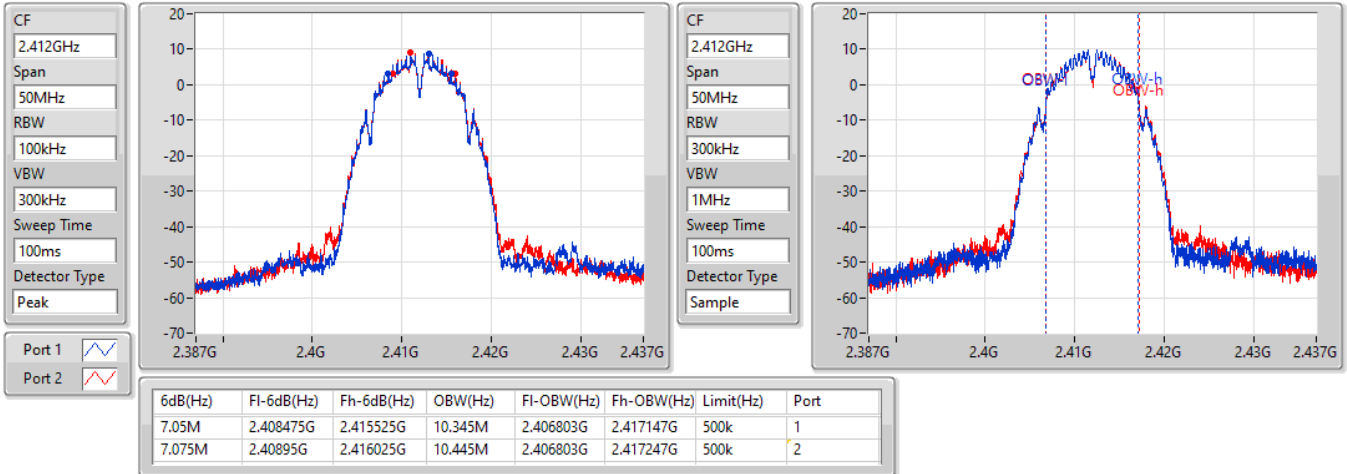
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

27/07/2021

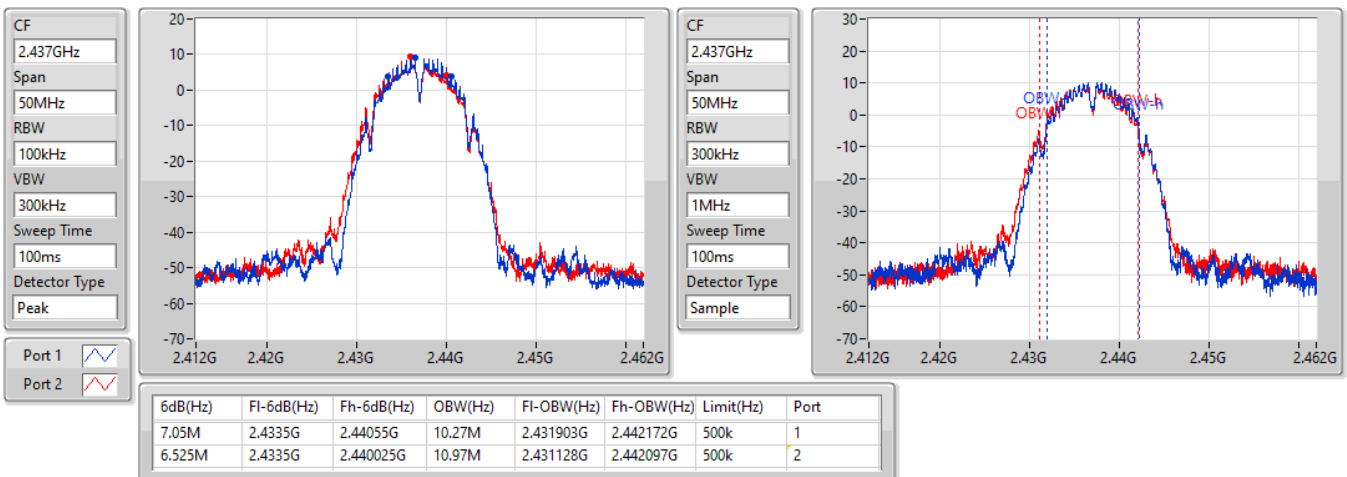


802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

27/07/2021

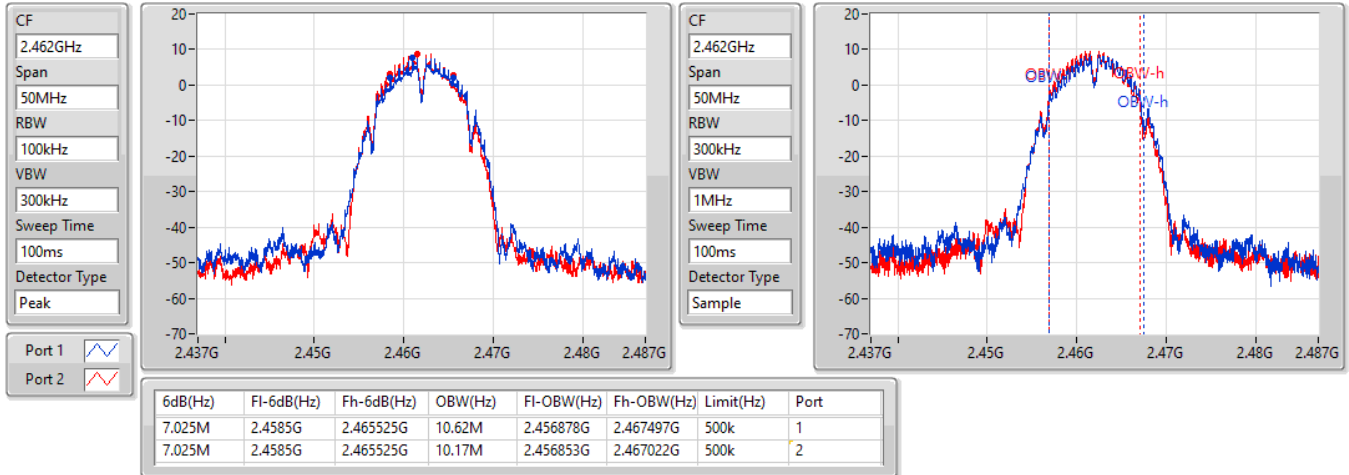


802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

27/07/2021

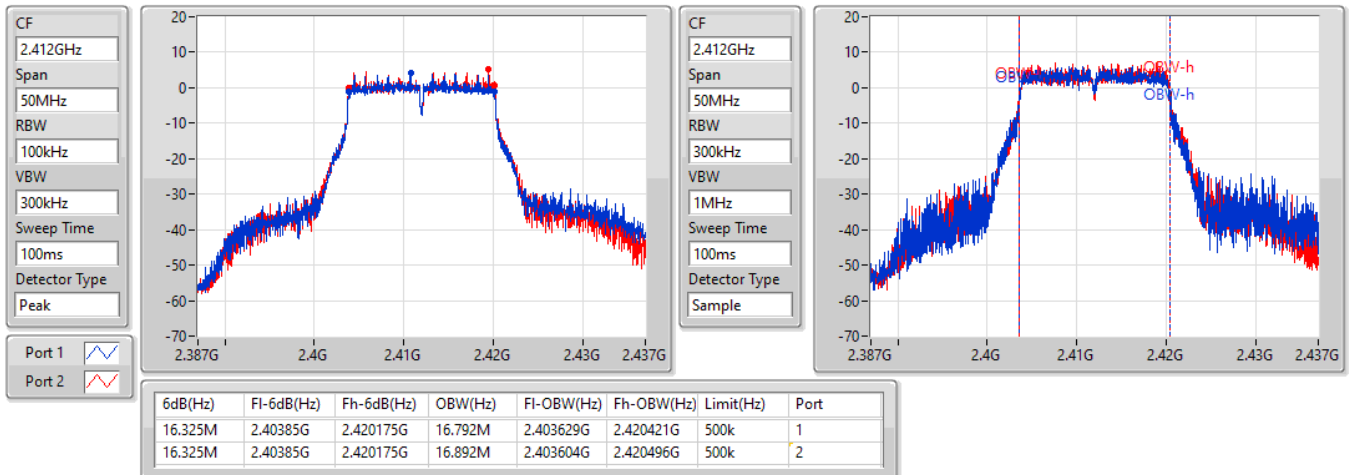


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

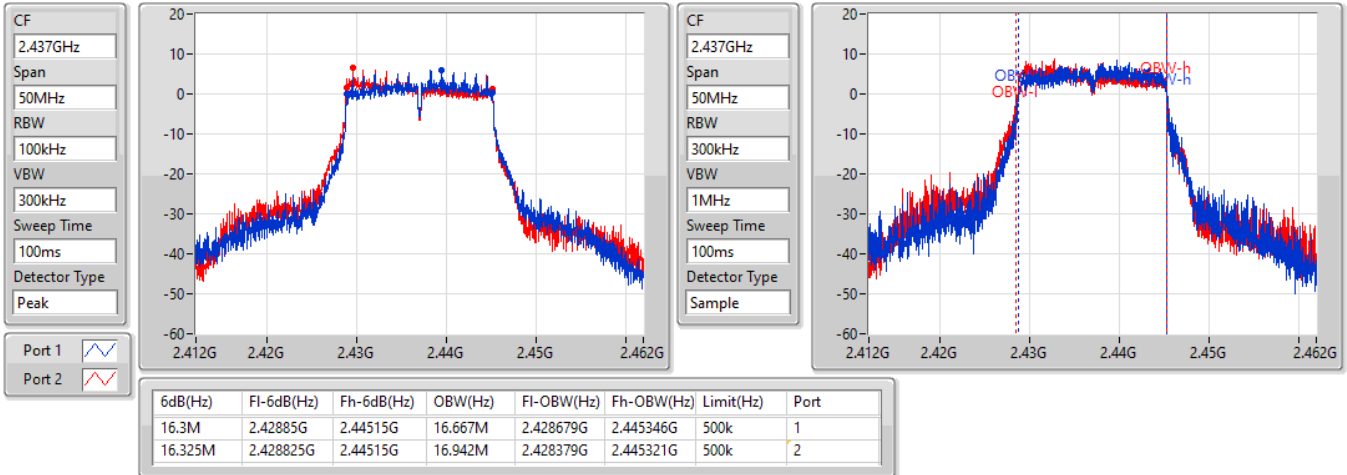
26/07/2021



802.11g_Nss1,(6Mbps)_2TX

2437MHz

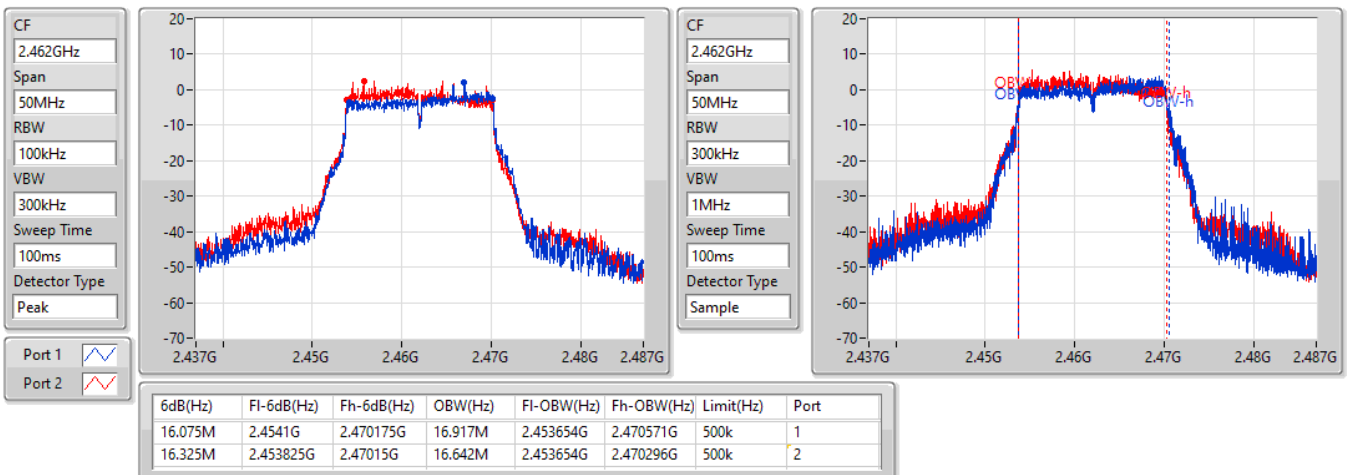
26/07/2021



802.11g_Nss1,(6Mbps)_2TX

2462MHz

26/07/2021

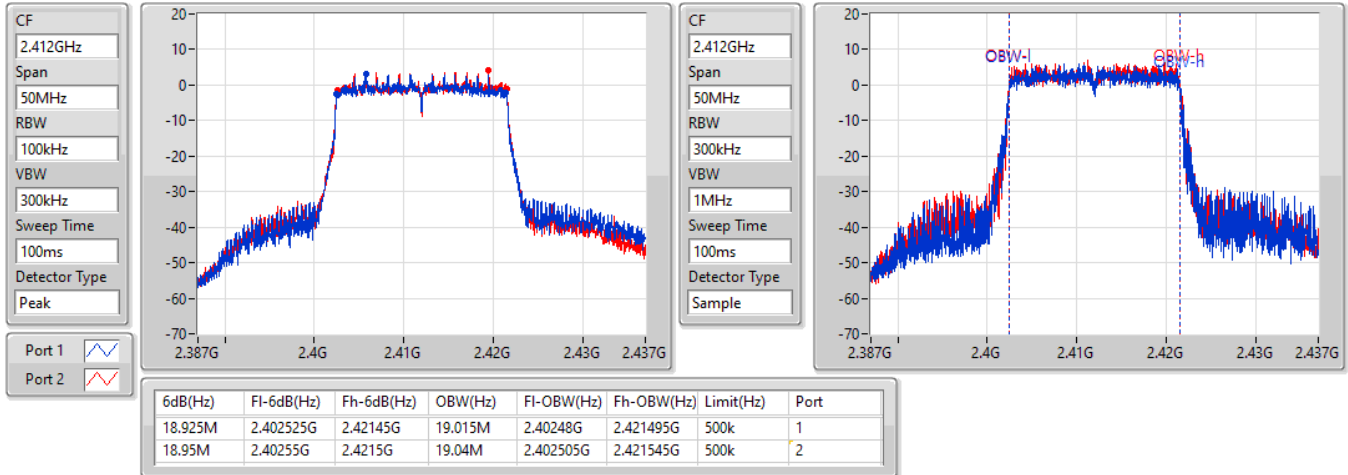


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

26/07/2021

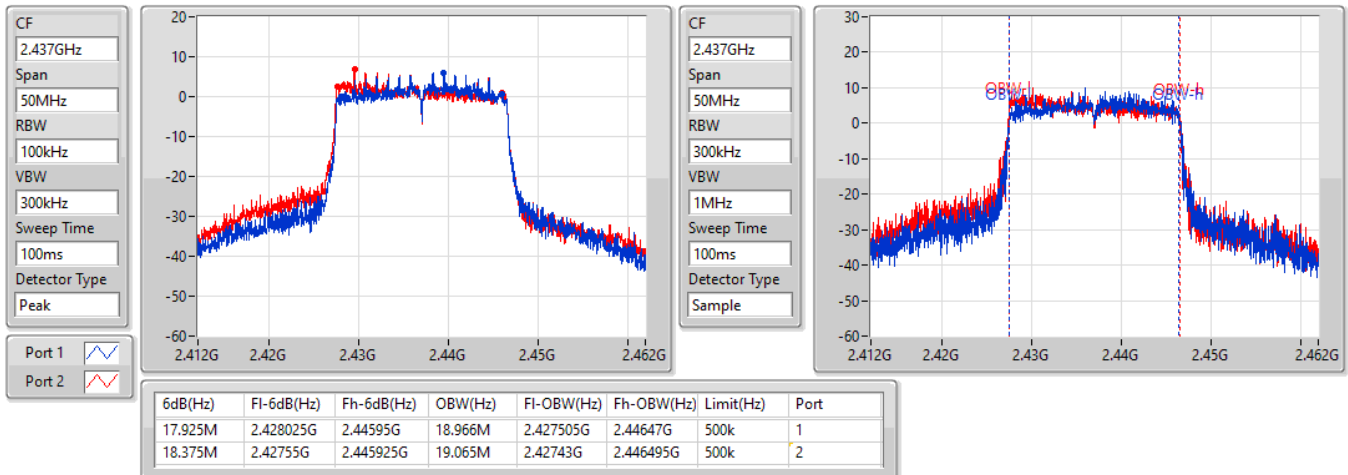


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

26/07/2021

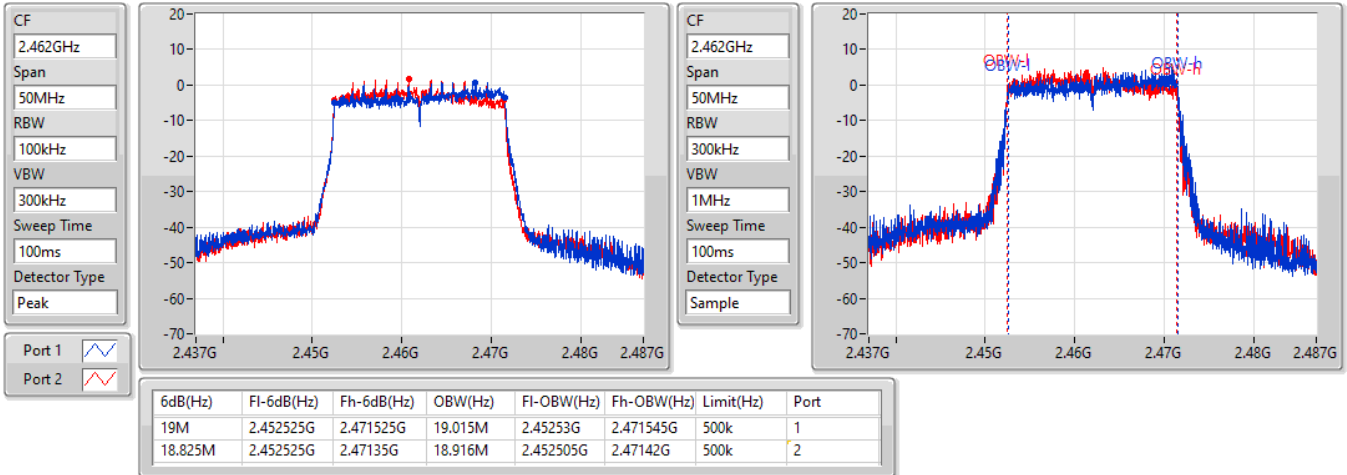


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

26/07/2021





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	19M	19.115M	19M1D1D	17.975M	18.916M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.04M	18.25M	19.015M
2462MHz	Pass	500k	18.8M	19.115M	17.975M	18.916M

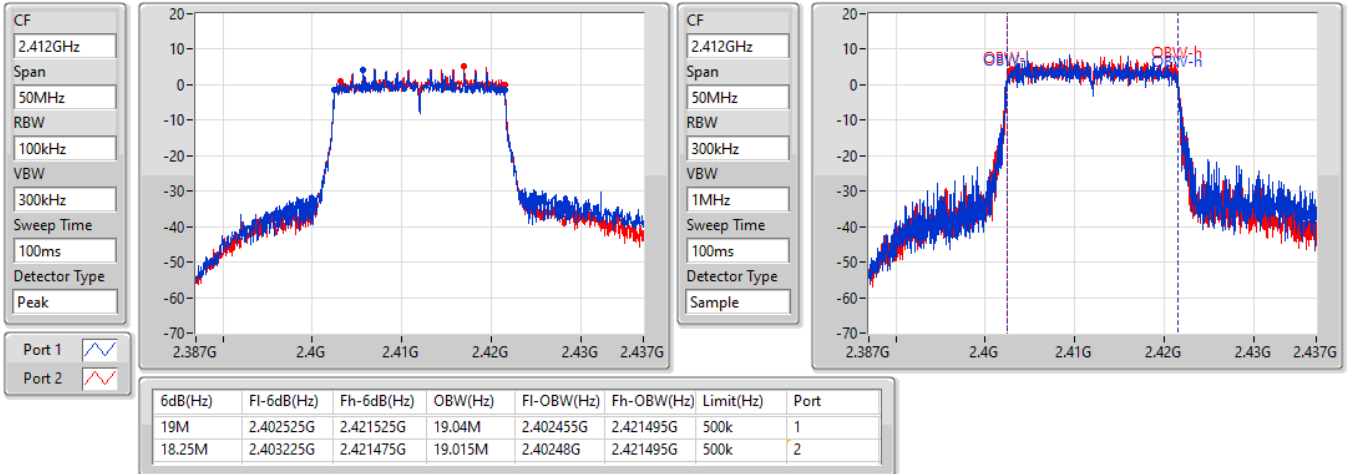
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

2412MHz

26/07/2021

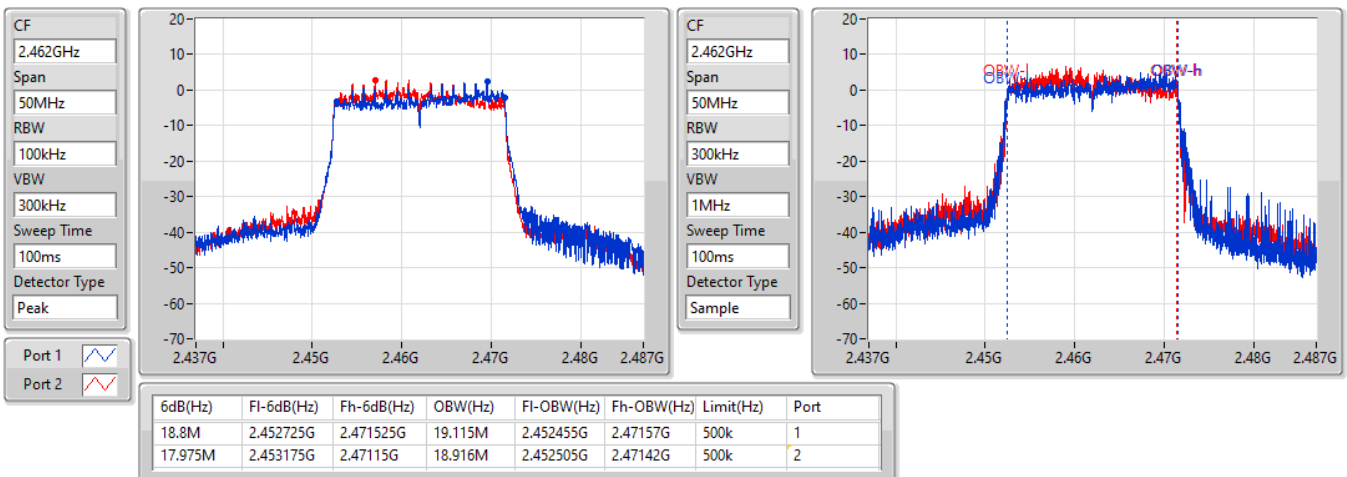


802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

2462MHz

26/07/2021





Average Power_Non-Beamforming_2T1S

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.34	0.10814
802.11g_Nss1,(6Mbps)_2TX	20.00	0.10000
802.11ax HEW20_Nss1,(MCS0)_2TX	20.26	0.10617



Average Power_Non-Beamforming_2T1S

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	17.18	17.26	20.23	30.00
2437MHz	Pass	2.00	17.49	17.16	20.34	30.00
2462MHz	Pass	2.00	15.65	16.68	19.21	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	15.70	16.05	18.89	30.00
2437MHz	Pass	2.00	16.92	17.05	20.00	30.00
2462MHz	Pass	2.00	12.83	13.98	16.45	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	14.84	15.40	18.14	30.00
2437MHz	Pass	2.00	17.12	17.37	20.26	30.00
2462MHz	Pass	2.00	12.39	13.05	15.74	30.00

DG = Directional Gain; Port X = Port X output power



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	19.07	0.08072



Average Power_Non-Beamforming_2T2S

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	15.77	16.33	19.07	30.00
2462MHz	Pass	2.00	13.19	14.01	16.63	30.00

DG = Directional Gain; Port X = Port X output power



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.26	0.10617



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	18.14	30.00	14.84	15.40
2437MHz	Pass	5.01	20.26	30.00	17.12	17.37
2462MHz	Pass	5.01	15.74	30.00	12.39	13.05

DG = Directional Gain; Port X = Port X output power



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.07
802.11g_Nss1,(6Mbps)_2TX	-5.51
802.11ax HEW20_Nss1,(MCS0)_2TX	-7.24

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-5.77	-5.83	-3.57	8.00
2437MHz	Pass	5.01	-4.88	-5.43	-3.07	8.00
2462MHz	Pass	5.01	-7.11	-6.13	-4.51	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-9.75	-9.75	-7.18	8.00
2437MHz	Pass	5.01	-7.86	-7.75	-5.51	8.00
2462MHz	Pass	5.01	-12.68	-11.08	-8.92	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-11.28	-11.12	-8.56	8.00
2437MHz	Pass	5.01	-9.26	-8.42	-7.24	8.00
2462MHz	Pass	5.01	-14.00	-12.87	-10.73	8.00

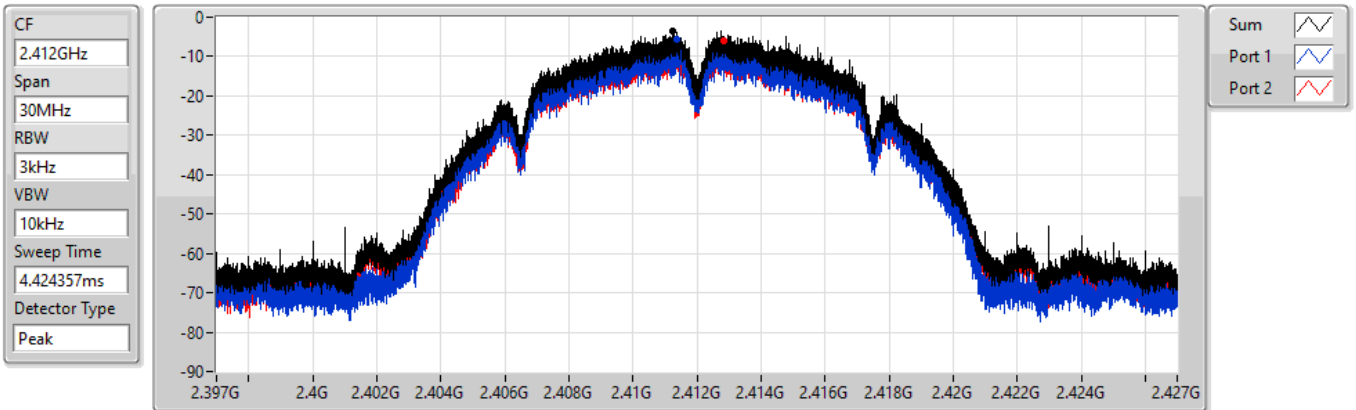
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

27/07/2021

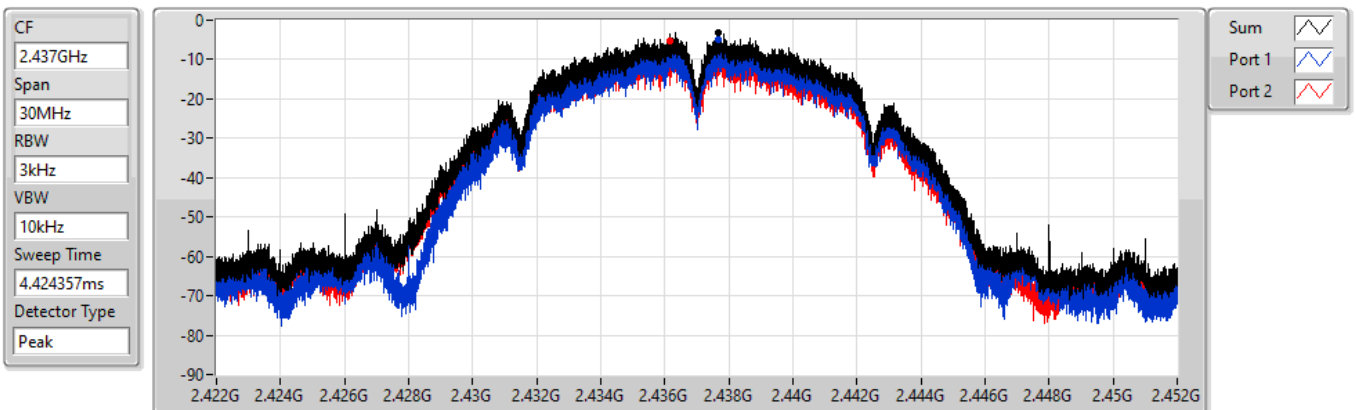


802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/07/2021

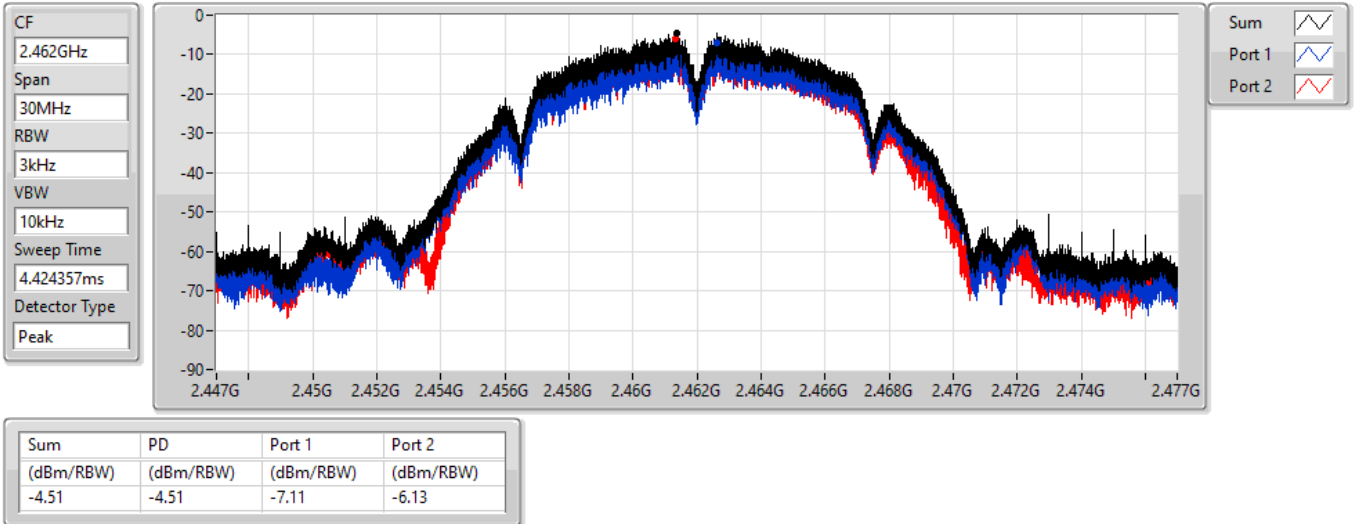


802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/07/2021

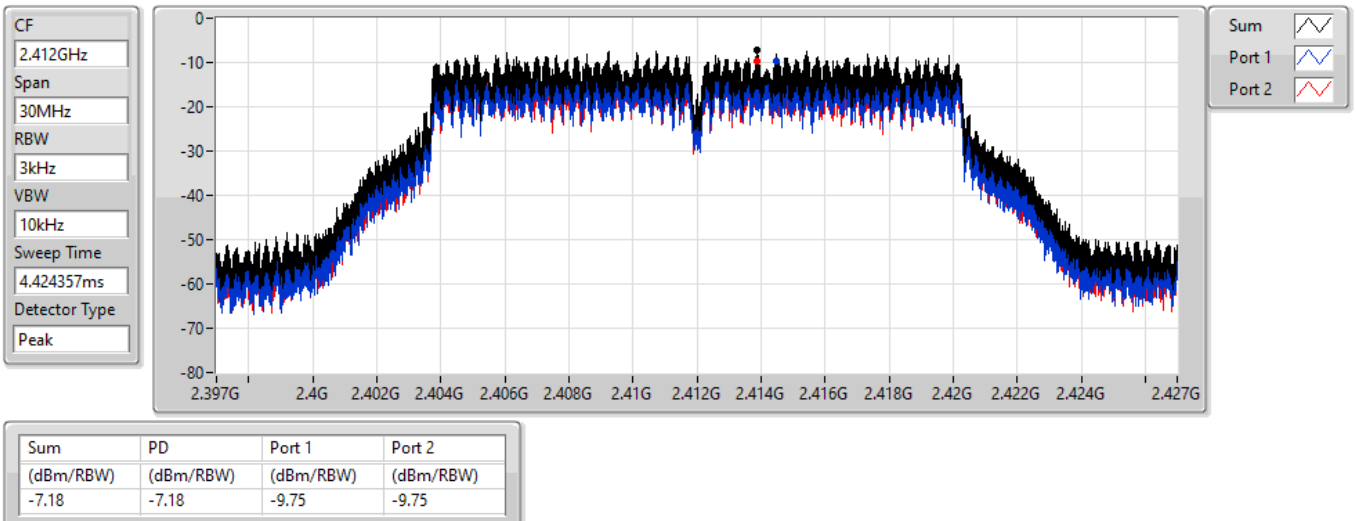


802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

26/07/2021

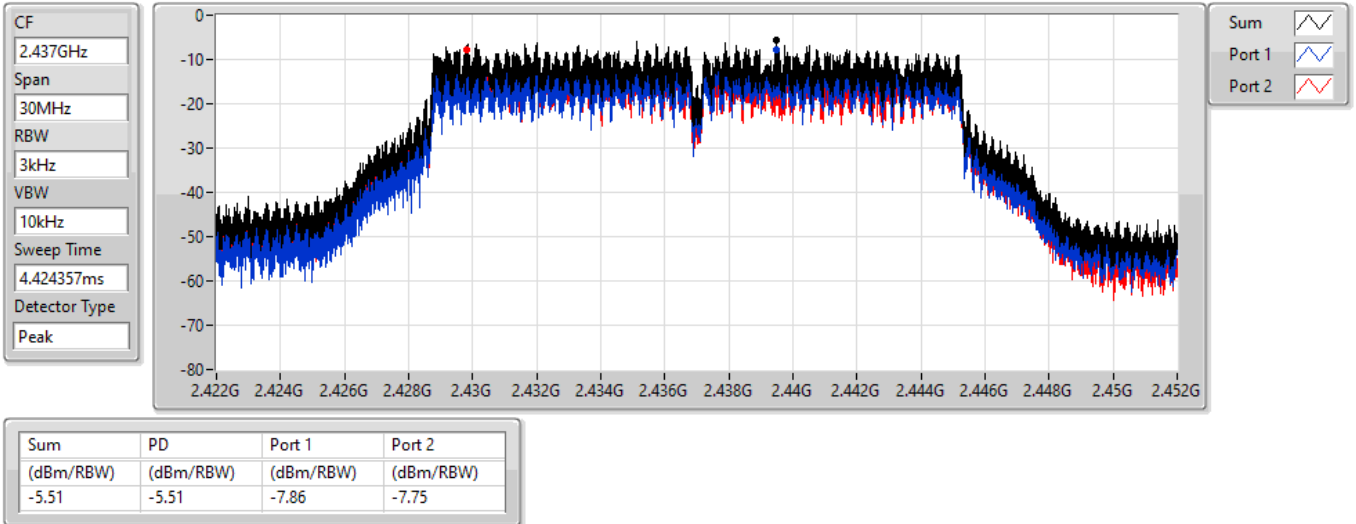


802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

26/07/2021

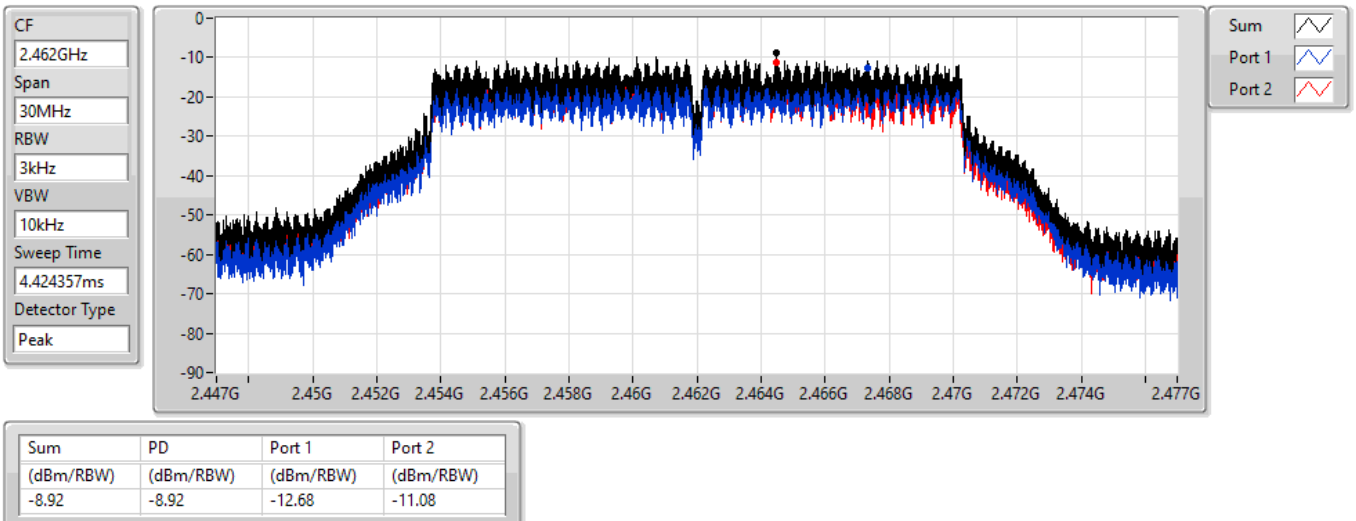


802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

26/07/2021

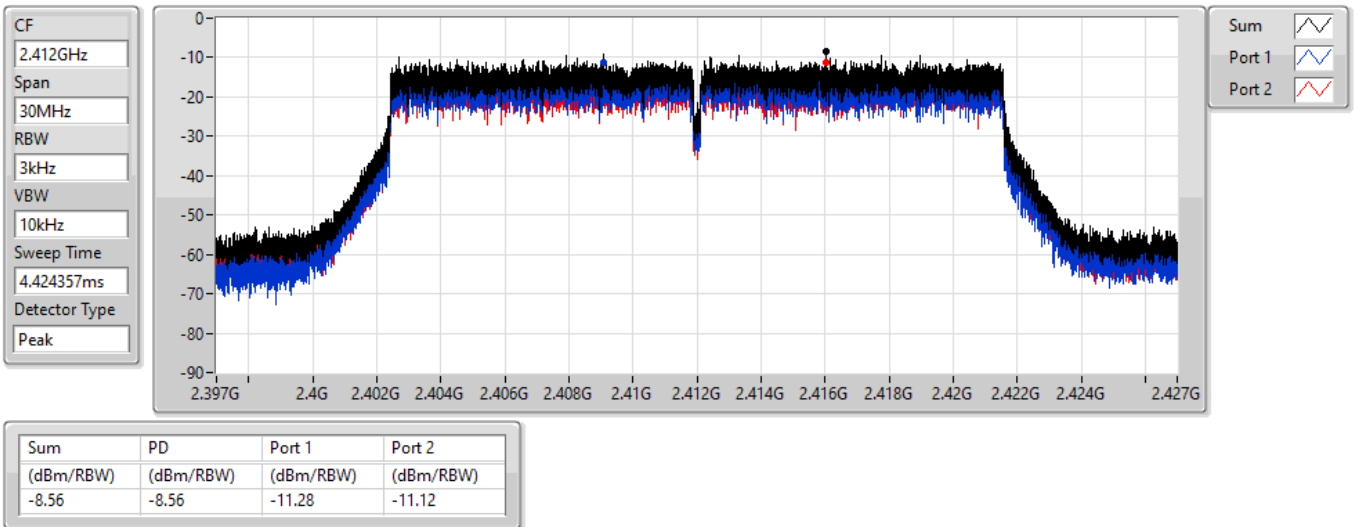


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

26/07/2021

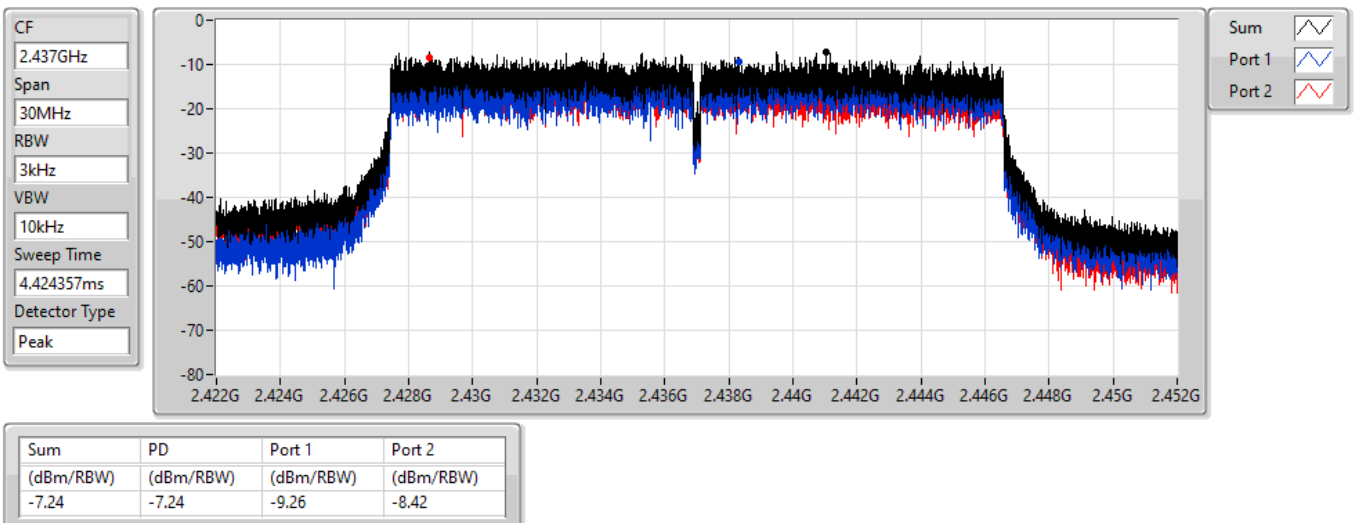


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

26/07/2021

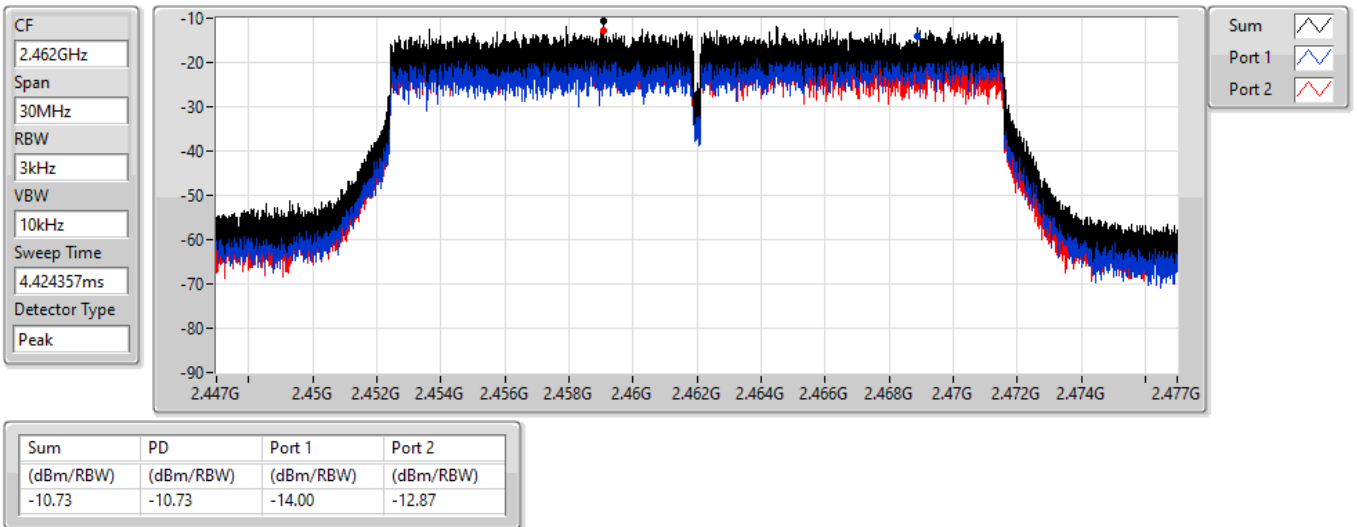


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

26/07/2021





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-8.55

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	-10.49	-11.33	-8.55	8.00
2462MHz	Pass	2.00	-13.44	-12.51	-11.67	8.00

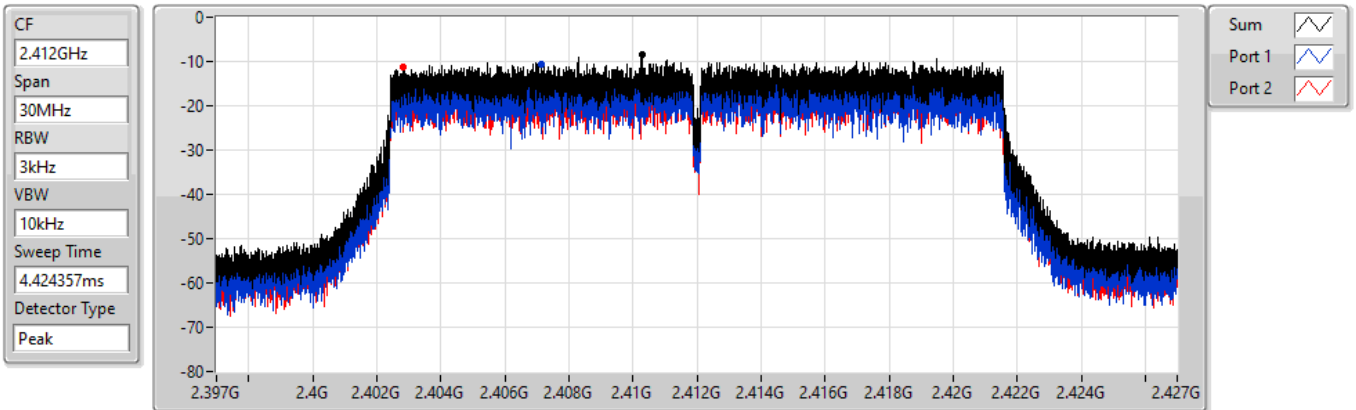
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2412MHz

26/07/2021



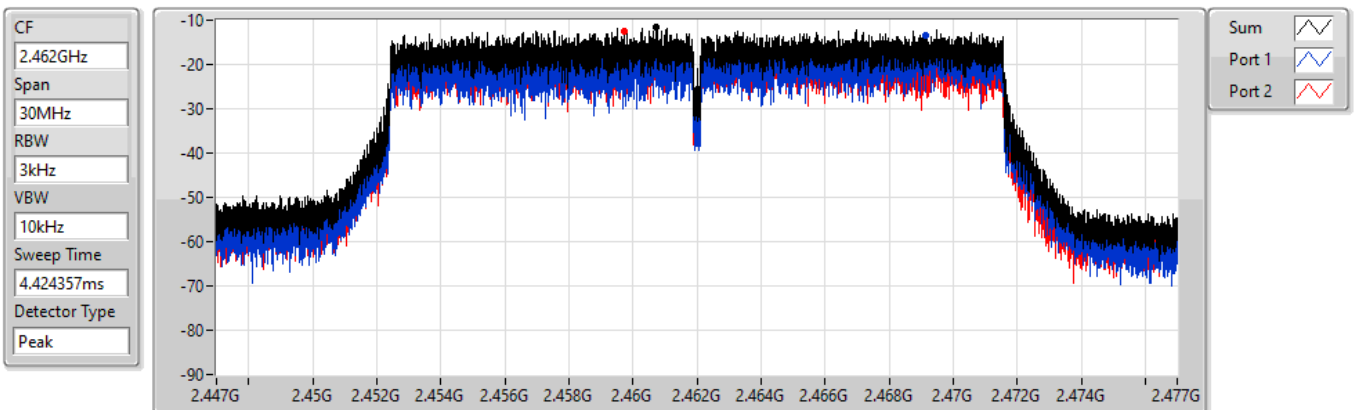
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.55	-8.55	-10.49	-11.33

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

2462MHz

26/07/2021



Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-11.67	-11.67	-13.44	-12.51

**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43799G	10.17	-19.83	2.16457G	-65.63	2.399G	-43.51	2.4G	-46.30	2.4835G	-58.91	7.23233G	-42.24	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43198G	7.05	-22.95	1.87041G	-65.04	2.39982G	-28.68	2.4G	-33.27	2.48544G	-57.68	7.23795G	-47.05	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43077G	7.14	-22.86	2.09147G	-65.10	2.39952G	-31.73	2.4G	-37.65	2.48358G	-57.11	7.23795G	-48.03	1

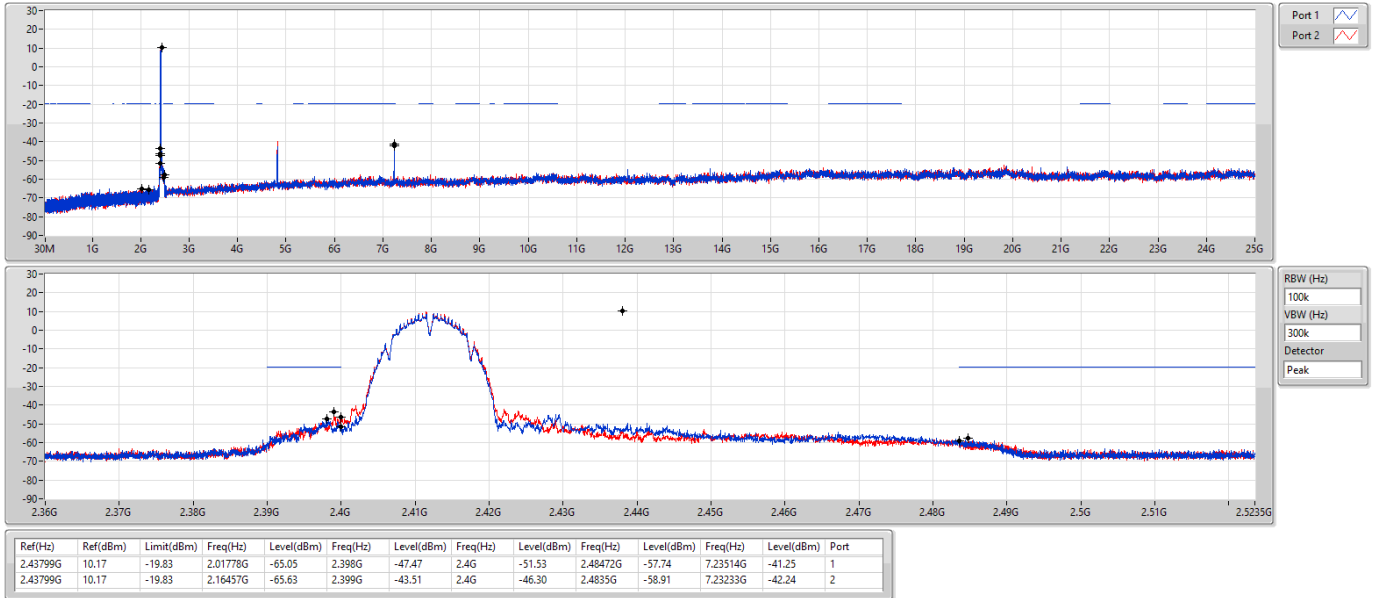
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	10.17	-19.83	2.01778G	-65.05	2.398G	-47.47	2.4G	-51.53	2.48472G	-57.74	7.23514G	-41.25	1
2412MHz	Pass	2.43799G	10.17	-19.83	2.16457G	-65.63	2.399G	-43.51	2.4G	-46.30	2.4835G	-58.91	7.23233G	-42.24	2
2437MHz	Pass	2.43799G	10.17	-19.83	2.11244G	-63.69	2.39936G	-55.52	2.4835G	-57.92	2.48686G	-55.68	24.79771G	-54.13	1
2437MHz	Pass	2.43799G	10.17	-19.83	2.30903G	-64.84	2.39434G	-53.49	2.4G	-54.49	2.48368G	-54.61	24.49428G	-53.24	2
2462MHz	Pass	2.43799G	10.17	-19.83	2.13486G	-65.65	2.39936G	-56.67	2.4835G	-51.39	2.4835G	-51.12	17.2428G	-53.71	1
2462MHz	Pass	2.43799G	10.17	-19.83	1.75304G	-64.79	2.39906G	-55.97	2.4835G	-56.62	2.48548G	-50.09	24.14589G	-54.19	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	7.05	-22.95	1.9904G	-64.16	2.397G	-31.45	2.4G	-33.64	2.48488G	-56.94	7.24076G	-47.22	1
2412MHz	Pass	2.43198G	7.05	-22.95	1.87041G	-65.04	2.39982G	-28.68	2.4G	-33.27	2.48544G	-57.68	7.23795G	-47.05	2
2437MHz	Pass	2.43198G	7.05	-22.95	2.14331G	-64.65	2.39922G	-46.06	2.4G	-50.91	2.48456G	-53.67	17.25404G	-53.41	1
2437MHz	Pass	2.43198G	7.05	-22.95	2.14826G	-64.66	2.39844G	-48.67	2.4G	-51.32	2.48352G	-51.62	24.63757G	-53.85	2
2462MHz	Pass	2.43198G	7.05	-22.95	1.78769G	-64.58	2.39884G	-58.33	2.4835G	-45.55	2.48362G	-44.06	24.18804G	-53.58	1
2462MHz	Pass	2.43198G	7.05	-22.95	2.12642G	-64.69	2.3998G	-56.89	2.4835G	-47.90	2.48388G	-44.70	24.19647G	-53.50	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43077G	7.14	-22.86	2.09147G	-65.10	2.39952G	-31.73	2.4G	-37.65	2.48358G	-57.11	7.23795G	-48.03	1
2412MHz	Pass	2.43077G	7.14	-22.86	2.10749G	-64.47	2.39856G	-32.39	2.4G	-35.99	2.48396G	-59.10	7.23233G	-49.34	2
2437MHz	Pass	2.43077G	7.14	-22.86	2.14098G	-65.14	2.39922G	-42.92	2.4G	-47.28	2.48468G	-53.35	17.52094G	-53.50	1
2437MHz	Pass	2.43077G	7.14	-22.86	2.08098G	-64.86	2.39882G	-47.69	2.4G	-47.34	2.48406G	-52.42	24.12904G	-52.55	2
2462MHz	Pass	2.43077G	7.14	-22.86	2.18612G	-65.24	2.39948G	-58.35	2.4835G	-49.39	2.48374G	-42.90	21.92072G	-53.44	1
2462MHz	Pass	2.43077G	7.14	-22.86	1.99128G	-65.02	2.39998G	-57.19	2.4835G	-45.91	2.4841G	-44.26	23.19064G	-53.18	2

802.11b_Nss1,(1Mbps)_2TX

CSENdB

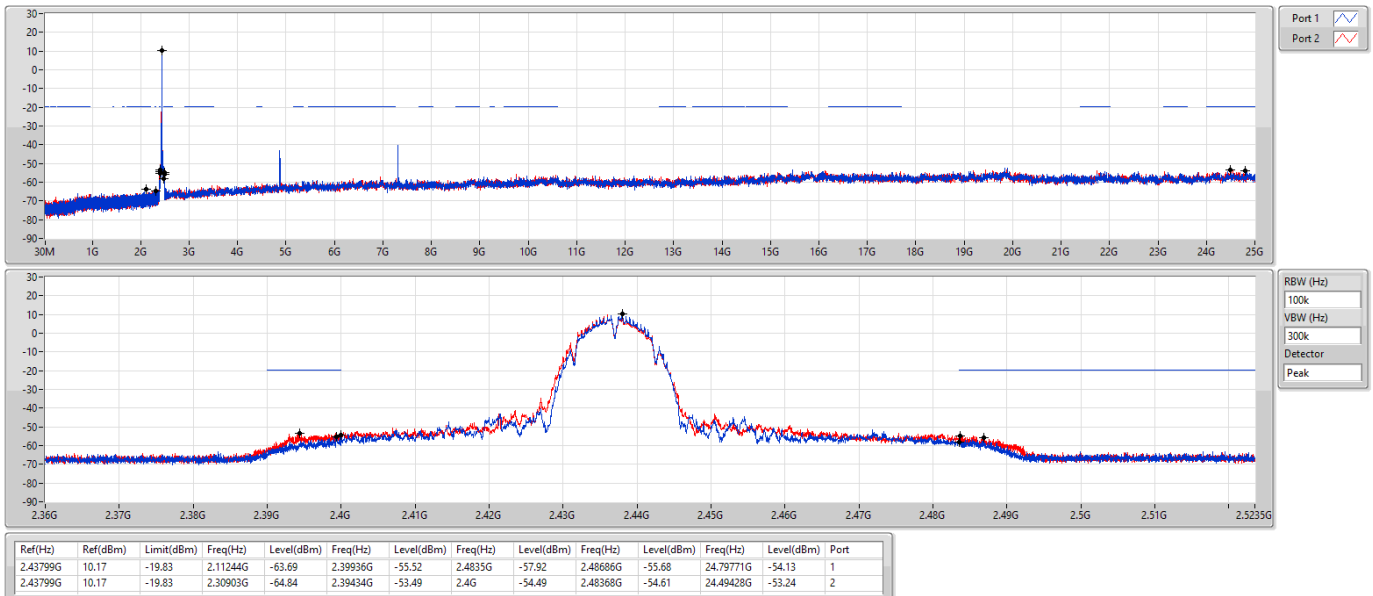
2412MHz



802.11b_Nss1,(1Mbps)_2TX

CSENdB

2437MHz

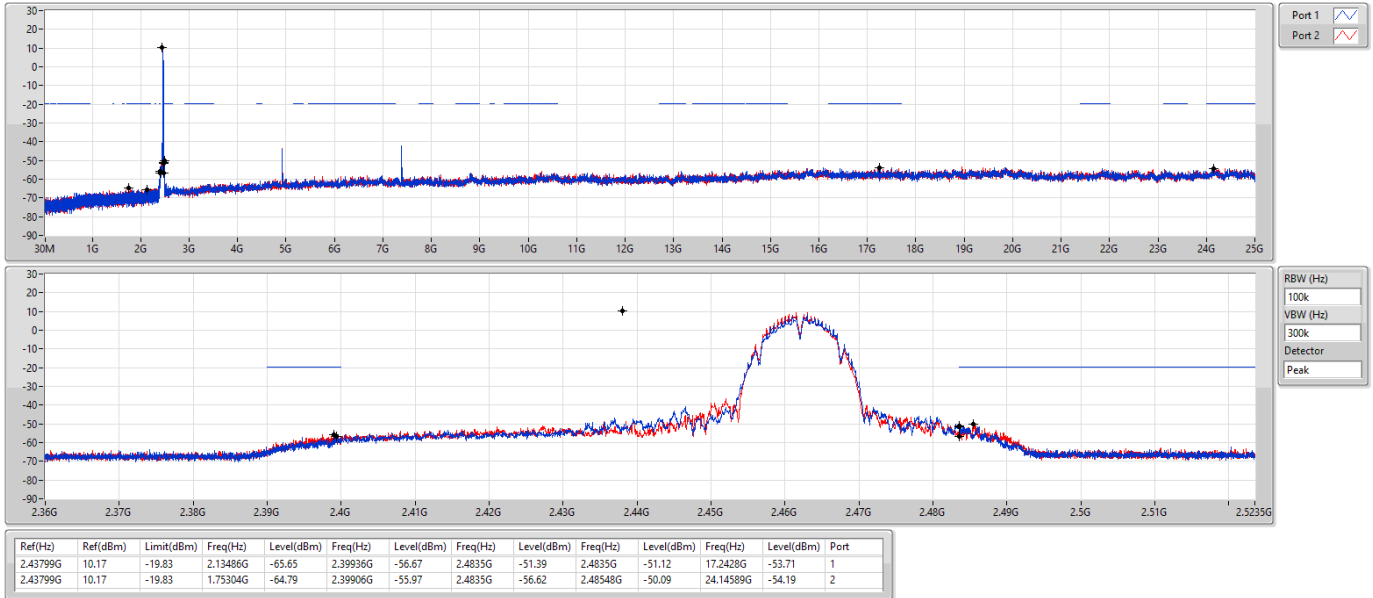


802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSENdB

27/07/2021

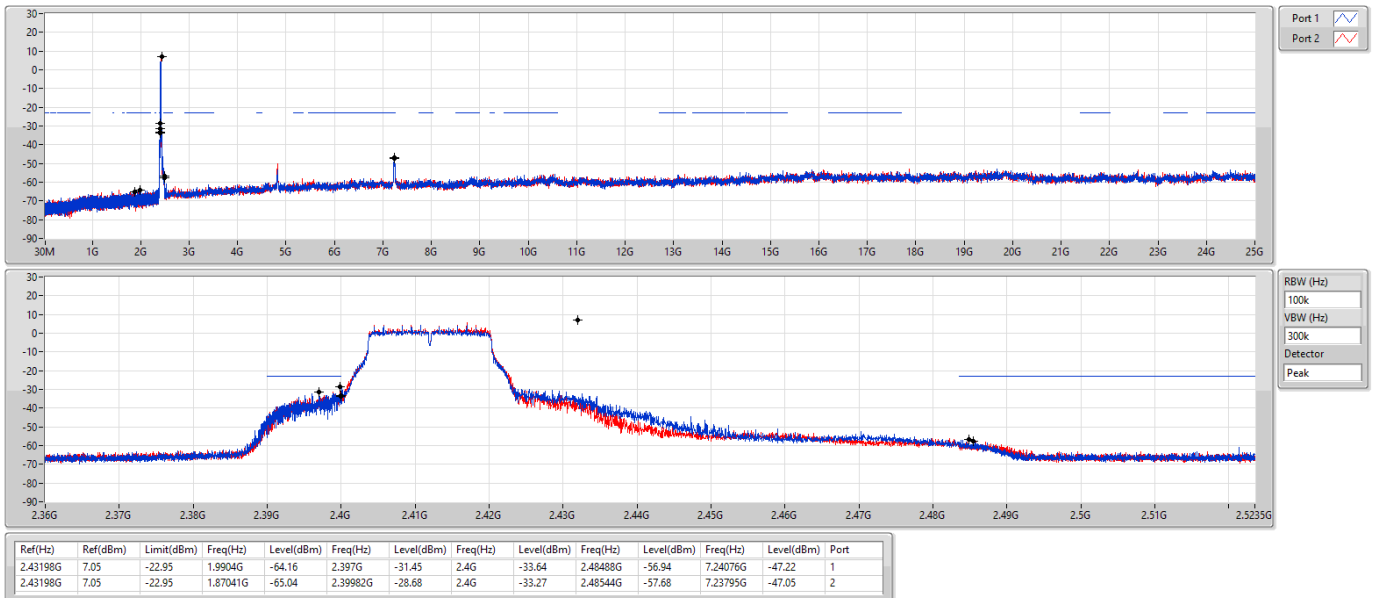


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSENdB

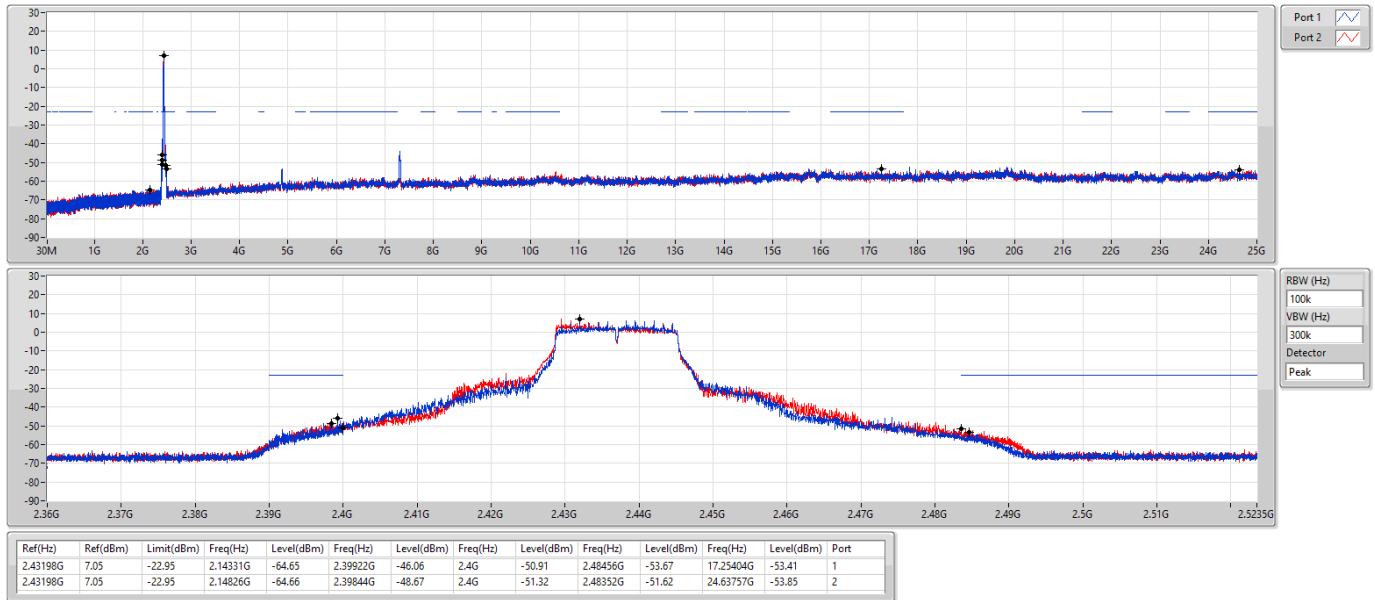
26/07/2021



802.11g_Nss1,(6Mbps)_2TX

2437MHz

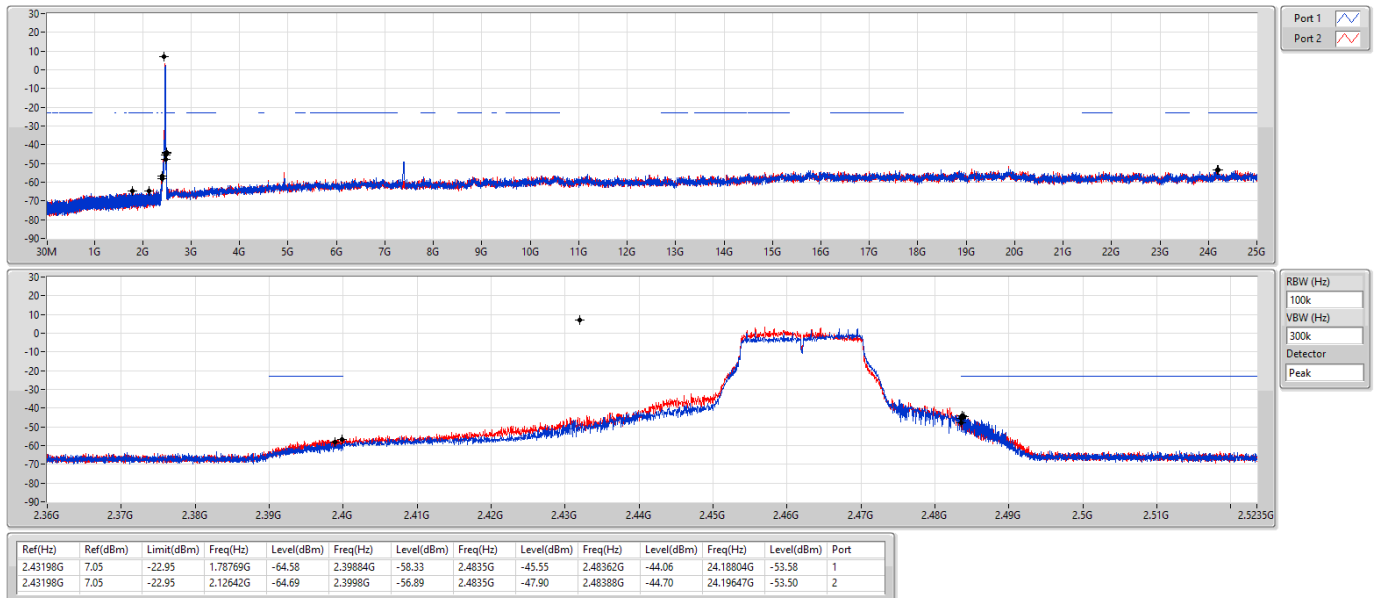
CSENdB



802.11g_Nss1,(6Mbps)_2TX

2462MHz

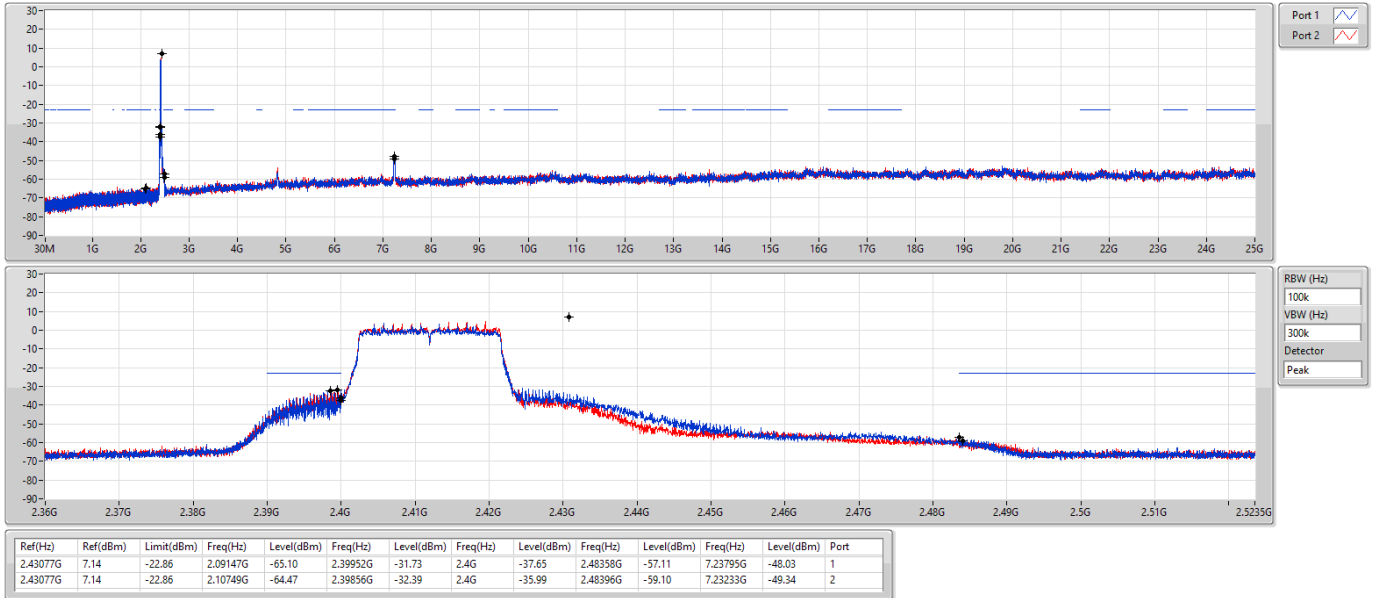
CSENdB



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

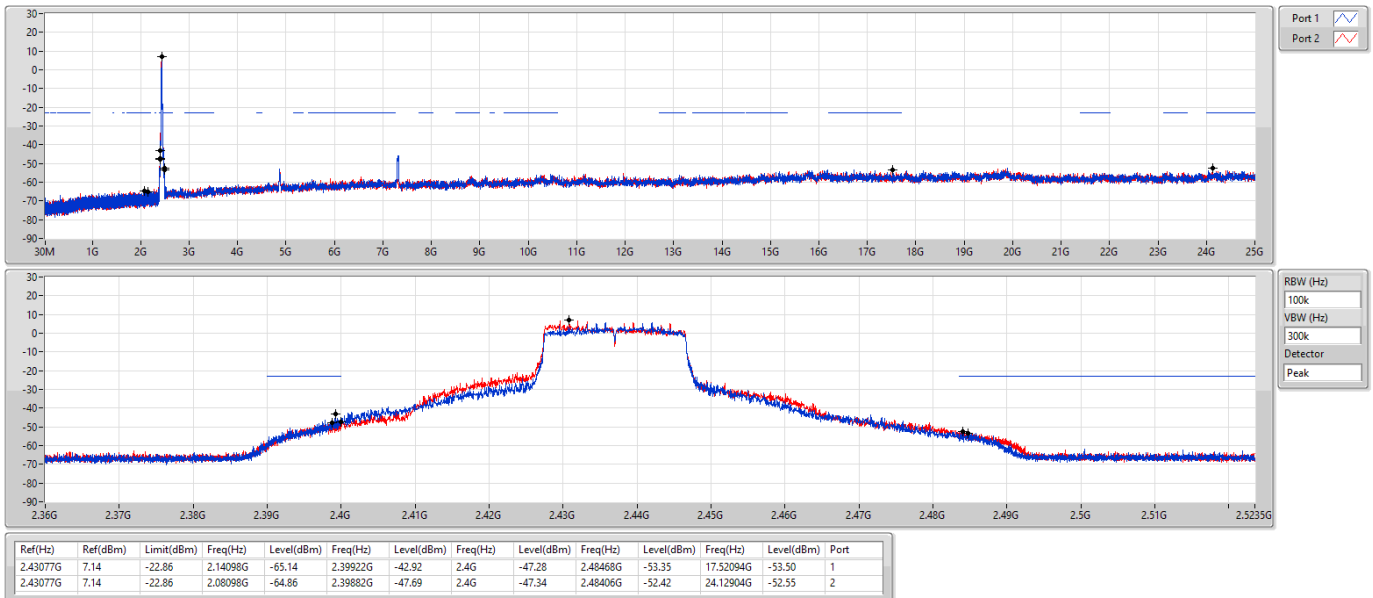
2412MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

2437MHz

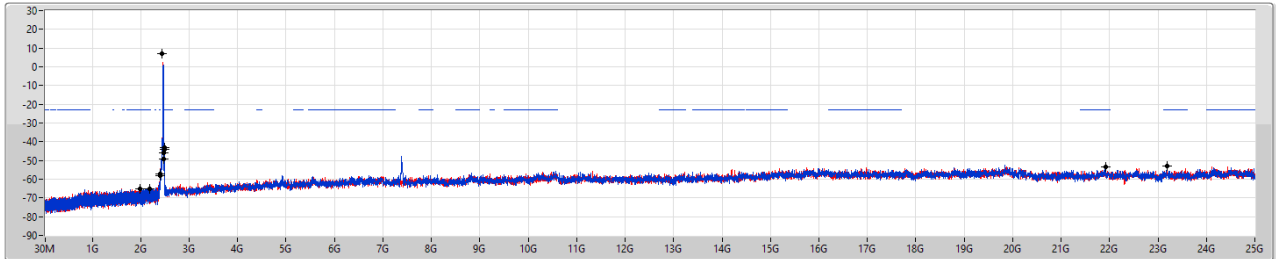


802.11ax HEW20_Nss1,(MCS0)_2TX

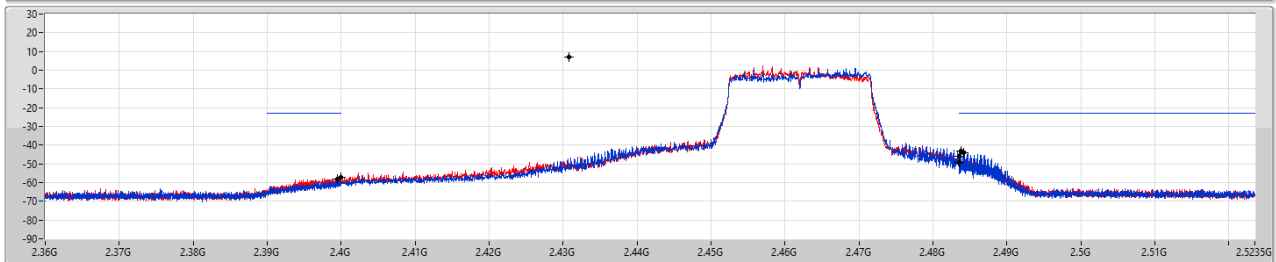
CSEndB

2462MHz

26/07/2021



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43077G	7.14	-22.86	2.18612G	-65.24	2.39948G	-58.35	2.4835G	-49.39	2.48374G	-42.90	21.92072G	-53.44	1
2.43077G	7.14	-22.86	1.99128G	-65.02	2.39998G	-57.19	2.4835G	-45.91	2.4841G	-44.26	23.19064G	-53.18	2



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.40572G	4.44	-25.56	1.84915G	-64.96	2.39944G	-30.45	2.4G	-32.82	2.4875G	-56.71	7.23514G	-46.79	1

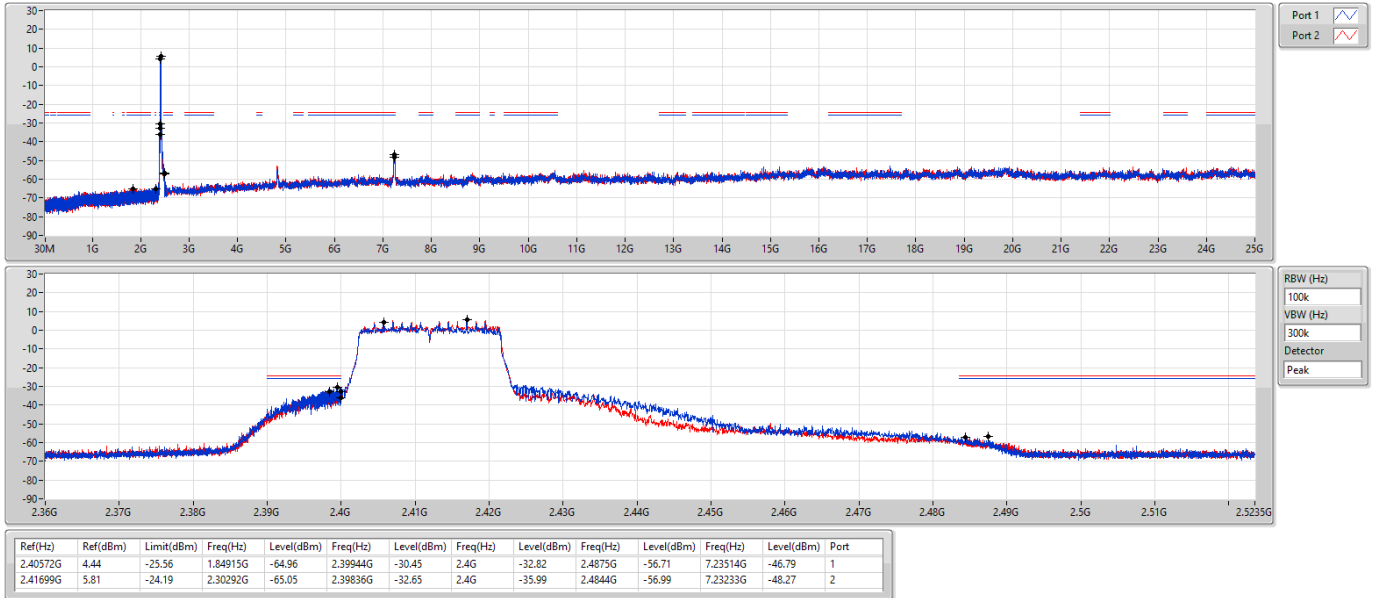
**Result**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss2(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40572G	4.44	-25.56	1.84915G	-64.96	2.39944G	-30.45	2.4G	-32.82	2.4875G	-56.71	7.23514G	-46.79	1
2412MHz	Pass	2.41699G	5.81	-24.19	2.30292G	-65.05	2.39836G	-32.65	2.4G	-35.99	2.4844G	-56.99	7.23233G	-48.27	2
2462MHz	Pass	2.46951G	2.95	-27.05	2.12263G	-64.55	2.39868G	-57.34	2.4835G	-42.18	2.48402G	-40.39	23.17378G	-53.58	1
2462MHz	Pass	2.45703G	3.12	-26.88	2.14884G	-64.32	2.39814G	-55.28	2.4835G	-45.44	2.48366G	-43.67	24.83985G	-53.50	2

802.11ax HEW20_Nss2,(MCS0)_2TX

CSENdB

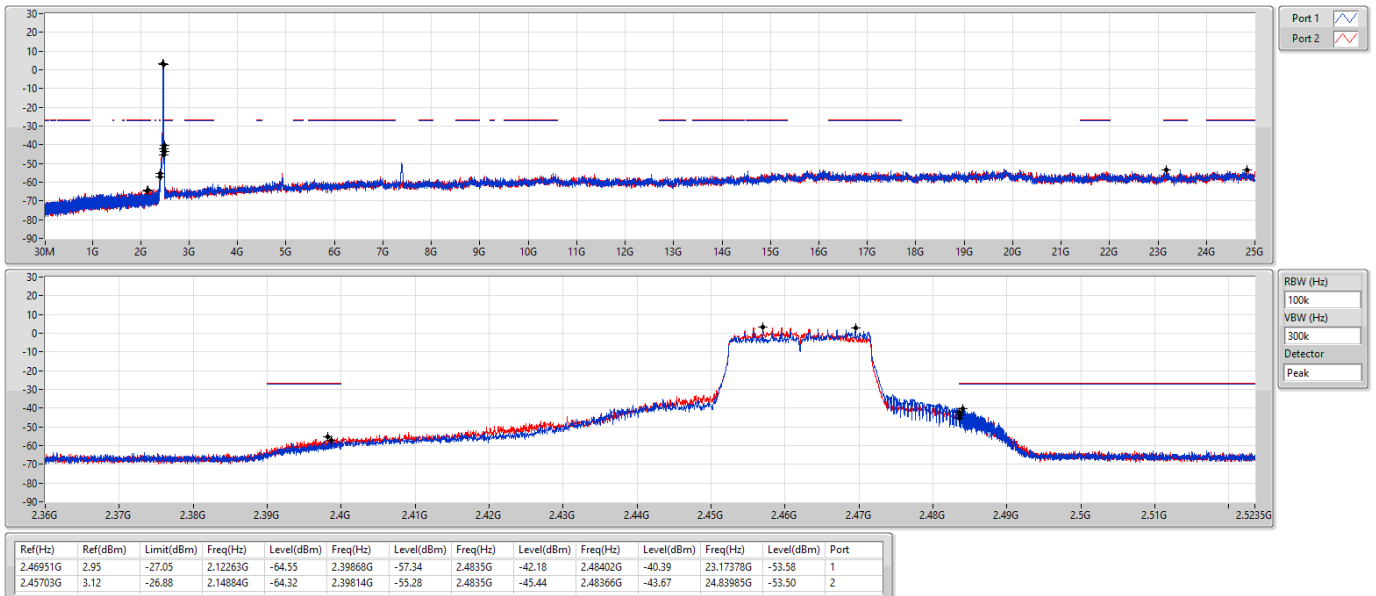
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSENdB

2462MHz





Summary

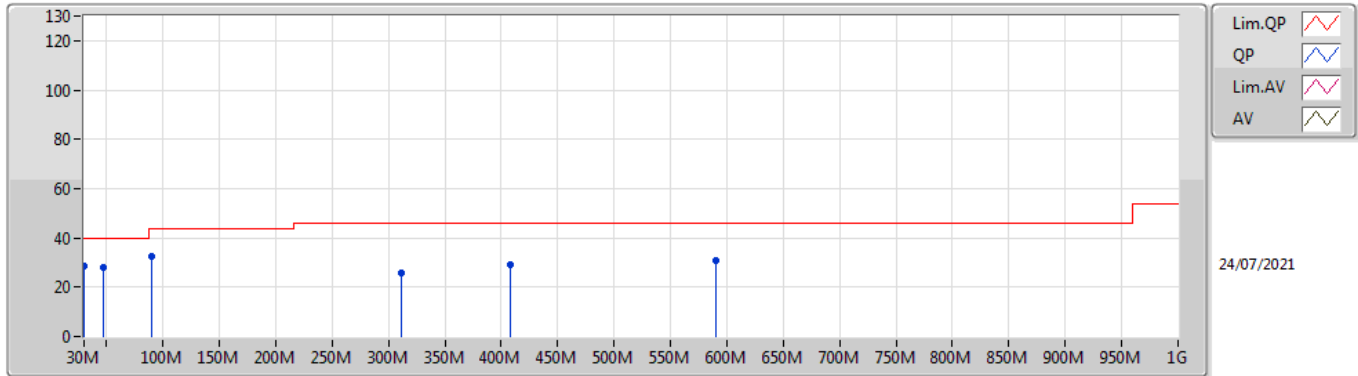
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	90.14M	32.47	43.50	-11.03	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	28.65	40.00	-11.35	3	Vertical	0	1.00	-
2437MHz	Pass	PK	47.46M	28.15	40.00	-11.85	3	Vertical	0	1.00	-
2437MHz	Pass	PK	90.14M	32.47	43.50	-11.03	3	Vertical	0	1.00	-
2437MHz	Pass	PK	311.3M	25.87	46.00	-20.13	3	Vertical	0	1.00	-
2437MHz	Pass	PK	408.3M	28.99	46.00	-17.01	3	Vertical	0	1.00	-
2437MHz	Pass	PK	590.66M	30.97	46.00	-15.03	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	26.77	40.00	-13.23	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	90.14M	32.15	43.50	-11.35	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	109.54M	31.15	43.50	-12.35	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	255.04M	24.47	46.00	-21.53	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	315.18M	25.84	46.00	-20.16	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	573.2M	30.07	46.00	-15.93	3	Horizontal	360	1.00	-

802.11ax HEW20_Nss1,(MCS0)_2TX

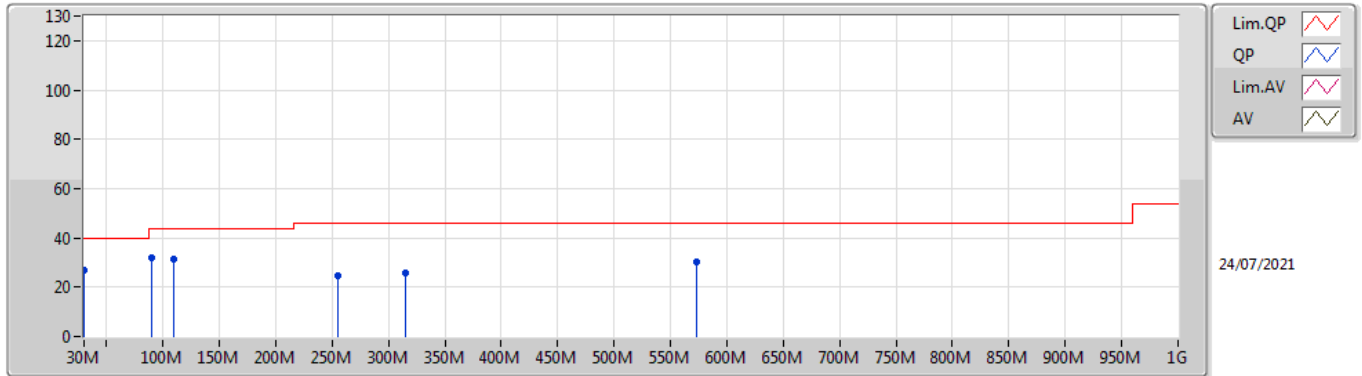
2437MHz_Adapter1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	28.65	40.00	-11.35	-2.81	3	Vertical	0	1.00	-	31.46	23.32	0.86	26.99
PK	47.46M	28.15	40.00	-11.85	-12.55	3	Vertical	0	1.00	-	40.70	14.05	1.04	27.64
PK	90.14M	32.47	43.50	-11.03	-12.41	3	Vertical	0	1.00	-	44.88	14.08	1.35	27.84
PK	311.3M	25.87	46.00	-20.13	-5.96	3	Vertical	0	1.00	-	31.83	18.76	2.40	27.12
PK	408.3M	28.99	46.00	-17.01	-3.54	3	Vertical	0	1.00	-	32.53	21.52	2.77	27.83
PK	590.66M	30.97	46.00	-15.03	-1.25	3	Vertical	0	1.00	-	32.22	23.82	3.34	28.41

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_Adapter1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	26.77	40.00	-13.23	-2.81	3	Horizontal	360	1.00	-	29.58	23.32	0.86	26.99
PK	90.14M	32.15	43.50	-11.35	-12.41	3	Horizontal	360	1.00	-	44.56	14.08	1.35	27.84
PK	109.54M	31.15	43.50	-12.35	-9.26	3	Horizontal	360	1.00	-	40.41	17.04	1.48	27.78
PK	255.04M	24.47	46.00	-21.53	-6.75	3	Horizontal	360	1.00	-	31.22	18.10	2.17	27.02
PK	315.18M	25.84	46.00	-20.16	-5.94	3	Horizontal	360	1.00	-	31.78	18.78	2.42	27.14
PK	573.2M	30.07	46.00	-15.93	-1.12	3	Horizontal	360	1.00	-	31.19	23.98	3.27	28.37



Summary

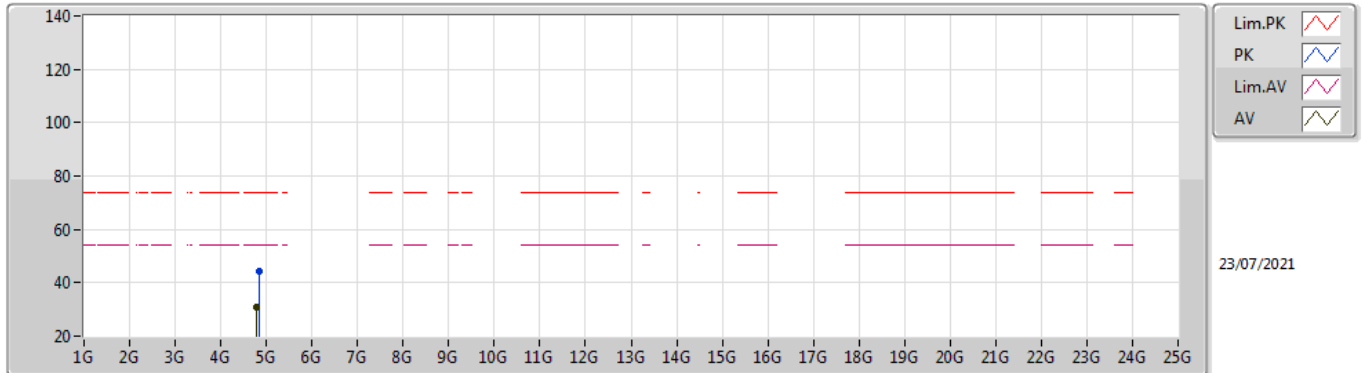
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	7.3802G	37.17	54.00	-16.83	3	Vertical	10	2.10	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.7742G	30.97	54.00	-23.03	3	Vertical	304	1.31	-
2412MHz	Pass	PK	4.8582G	44.07	74.00	-29.93	3	Vertical	304	1.31	-
2412MHz	Pass	AV	4.82736G	30.70	54.00	-23.30	3	Horizontal	264	1.62	-
2412MHz	Pass	PK	4.82108G	44.37	74.00	-29.63	3	Horizontal	264	1.62	-
2437MHz	Pass	AV	4.87232G	30.95	54.00	-23.05	3	Vertical	253	1.84	-
2437MHz	Pass	AV	7.30656G	36.86	54.00	-17.14	3	Vertical	108	2.17	-
2437MHz	Pass	PK	4.87672G	44.17	74.00	-29.83	3	Vertical	253	1.84	-
2437MHz	Pass	PK	7.3158G	49.97	74.00	-24.03	3	Vertical	108	2.17	-
2437MHz	Pass	AV	4.9112G	30.89	54.00	-23.11	3	Horizontal	201	1.50	-
2437MHz	Pass	AV	7.309G	36.96	54.00	-17.04	3	Horizontal	141	2.20	-
2437MHz	Pass	PK	4.8408G	43.47	74.00	-30.53	3	Horizontal	201	1.50	-
2437MHz	Pass	PK	7.31196G	49.98	74.00	-24.02	3	Horizontal	141	2.20	-
2462MHz	Pass	AV	4.9274G	31.05	54.00	-22.95	3	Vertical	274	1.52	-
2462MHz	Pass	AV	7.3802G	37.17	54.00	-16.83	3	Vertical	10	2.10	-
2462MHz	Pass	PK	4.9276G	43.65	74.00	-30.35	3	Vertical	274	1.52	-
2462MHz	Pass	PK	7.38956G	50.16	74.00	-23.84	3	Vertical	10	2.10	-
2462MHz	Pass	AV	4.92928G	30.94	54.00	-23.06	3	Horizontal	328	1.34	-
2462MHz	Pass	AV	7.37724G	37.17	54.00	-16.83	3	Horizontal	8	2.96	-
2462MHz	Pass	PK	4.92056G	44.62	74.00	-29.38	3	Horizontal	328	1.34	-
2462MHz	Pass	PK	7.38G	50.19	74.00	-23.81	3	Horizontal	8	2.96	-

802.11b_Nss1,(1Mbps)_2TX

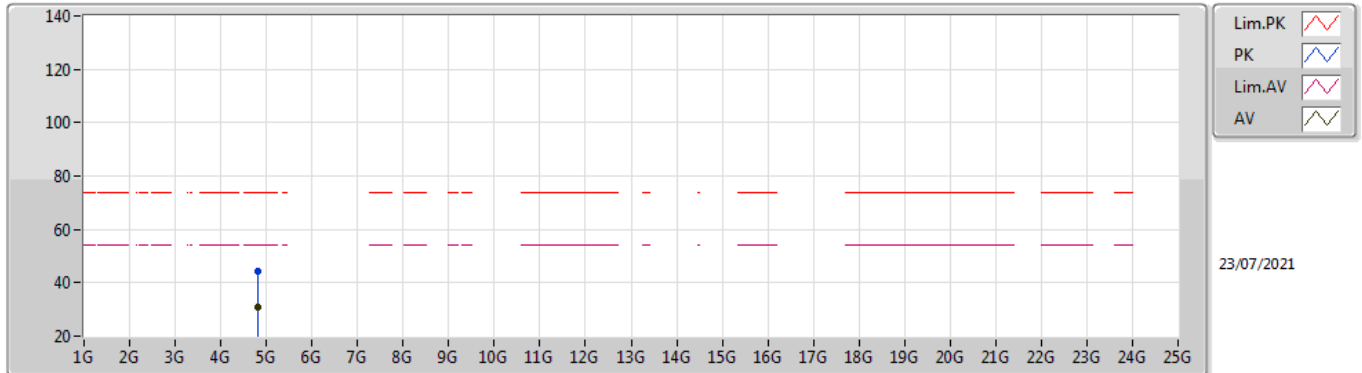
2412MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.7742G	30.97	54.00	-23.03	5.77	3	Vertical	304	1.31	-	25.20	31.20	8.87	34.30
PK	4.8582G	44.07	74.00	-29.93	5.87	3	Vertical	304	1.31	-	38.20	31.20	8.94	34.27

802.11b_Nss1,(1Mbps)_2TX

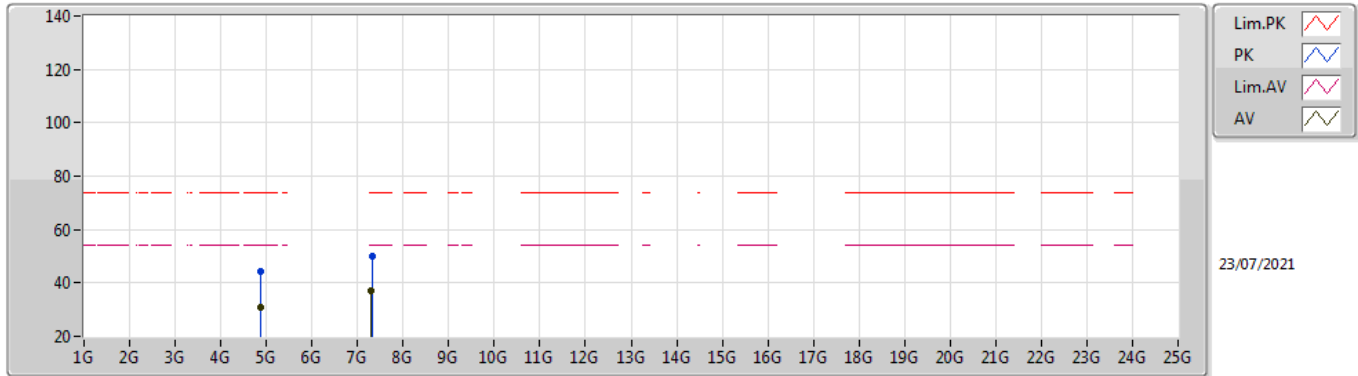
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82736G	30.70	54.00	-23.30	5.79	3	Horizontal	264	1.62	-	24.91	31.15	8.92	34.28
PK	4.82108G	44.37	74.00	-29.63	5.78	3	Horizontal	264	1.62	-	38.59	31.14	8.92	34.28

802.11b_Nss1,(1Mbps)_2TX

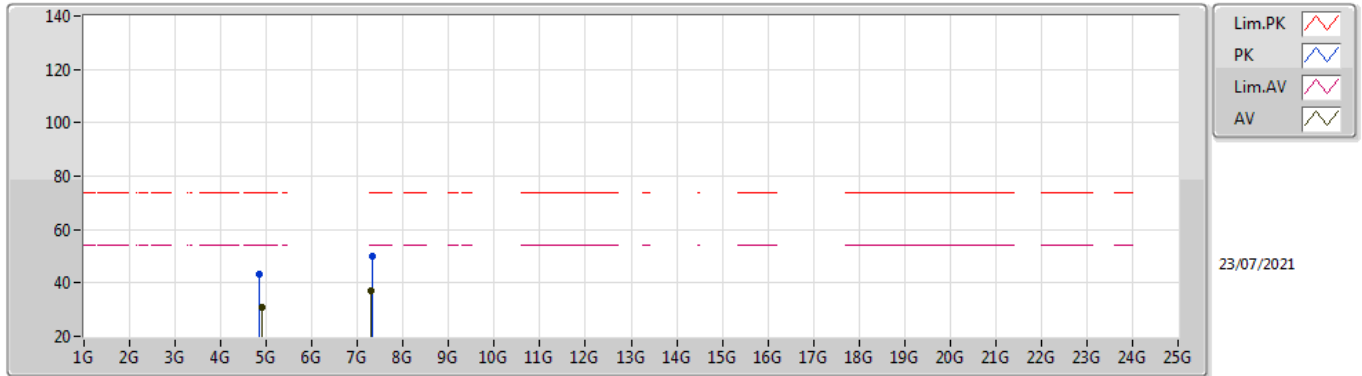
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87232G	30.95	54.00	-23.05	5.89	3	Vertical	253	1.84	-	25.06	31.20	8.95	34.26
AV	7.30656G	36.86	54.00	-17.14	12.44	3	Vertical	108	2.17	-	24.42	36.39	10.62	34.57
PK	4.87672G	44.17	74.00	-29.83	5.90	3	Vertical	253	1.84	-	38.27	31.20	8.96	34.26
PK	7.3158G	49.97	74.00	-24.03	12.43	3	Vertical	108	2.17	-	37.54	36.37	10.63	34.57

802.11b_Nss1,(1Mbps)_2TX

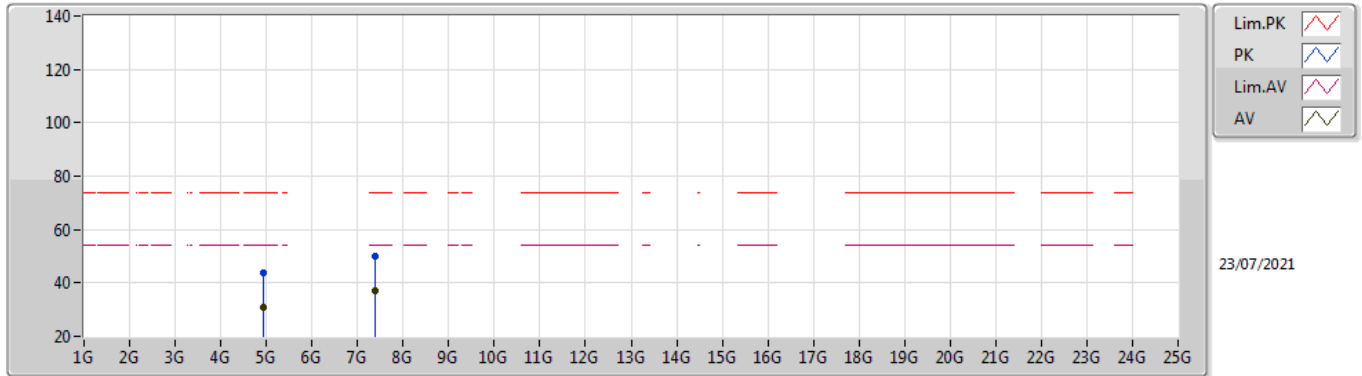
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9112G	30.89	54.00	-23.11	5.97	3	Horizontal	201	1.50	-	24.92	31.24	8.98	34.25
AV	7.309G	36.96	54.00	-17.04	12.43	3	Horizontal	141	2.20	-	24.53	36.38	10.62	34.57
PK	4.8408G	43.47	74.00	-30.53	5.84	3	Horizontal	201	1.50	-	37.63	31.18	8.93	34.27
PK	7.31196G	49.98	74.00	-24.02	12.43	3	Horizontal	141	2.20	-	37.55	36.38	10.62	34.57

802.11b_Nss1,(1Mbps)_2TX

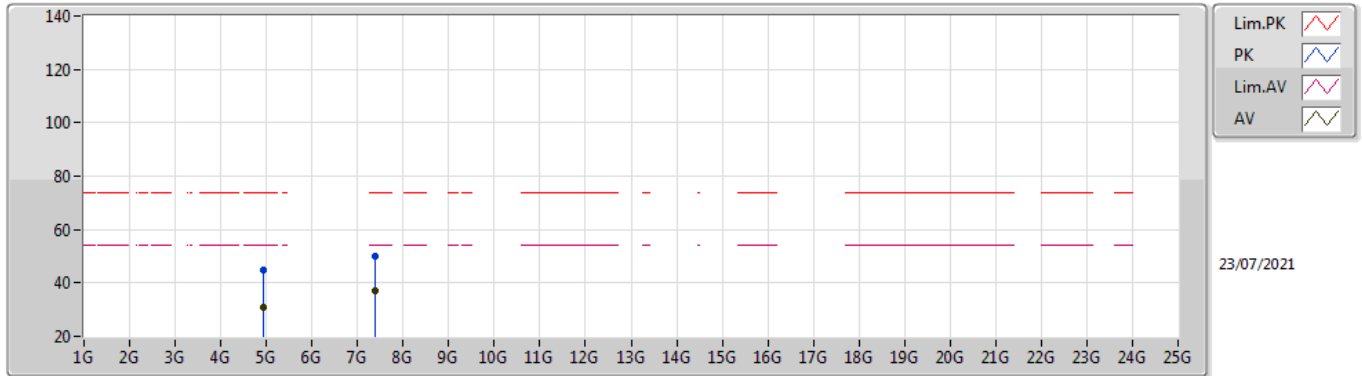
2462MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9274G	31.05	54.00	-22.95	6.07	3	Vertical	274	1.52	-	24.98	31.31	9.00	34.24
AV	7.3802G	37.17	54.00	-16.83	12.35	3	Vertical	10	2.10	-	24.82	36.24	10.69	34.58
PK	4.9276G	43.65	74.00	-30.35	6.07	3	Vertical	274	1.52	-	37.58	31.31	9.00	34.24
PK	7.38956G	50.16	74.00	-23.84	12.34	3	Vertical	10	2.10	-	37.82	36.22	10.70	34.58

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92928G	30.94	54.00	-23.06	6.08	3	Horizontal	328	1.34	-	24.86	31.32	9.00	34.24
AV	7.37724G	37.17	54.00	-16.83	12.36	3	Horizontal	8	2.96	-	24.81	36.25	10.69	34.58
PK	4.92056G	44.62	74.00	-29.38	6.02	3	Horizontal	328	1.34	-	38.60	31.28	8.99	34.25
PK	7.38G	50.19	74.00	-23.81	12.35	3	Horizontal	8	2.96	-	37.84	36.24	10.69	34.58

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-48.98	-53.38	-47.63	-42.62	-41.20	-1.42
802.11g_Nss1,(6Mbps)_2TX	Pass	2.36G	2.4G	PK	2.39G	5.01	-28.66	-30.11	-26.31	-21.30	-21.20	-0.10
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4835G	2.5235G	AV	2.48406G	5.01	-53.34	-49.25	-47.82	-42.81	-41.20	-1.61

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.4G	AV	2.38984G	5.01	-61.34	-60.80	-58.05	-53.04	-41.20	-11.84
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-60.03	-59.67	-56.84	-51.83	-41.20	-10.63
2412MHz	Pass	2.4835G	2.5235G	AV	2.48366G	5.01	-59.95	-59.62	-56.77	-51.76	-41.20	-10.56
2412MHz	Pass	2.36G	2.4G	PK	2.38976G	5.01	-50.84	-50.80	-47.81	-42.80	-21.20	-21.60
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-48.85	-50.26	-46.49	-41.48	-21.20	-20.28
2412MHz	Pass	2.4835G	2.5235G	PK	2.48542G	5.01	-49.58	-51.10	-47.26	-42.25	-21.20	-21.05
2437MHz	Pass	2.36G	2.4G	AV	2.38992G	5.01	-63.29	-62.61	-59.93	-54.92	-41.20	-13.72
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-58.45	-57.09	-54.71	-49.70	-41.20	-8.50
2437MHz	Pass	2.4835G	2.5235G	AV	2.48374G	5.01	-57.85	-56.04	-53.84	-48.83	-41.20	-7.63
2437MHz	Pass	2.36G	2.4G	PK	2.39G	5.01	-54.23	-52.83	-50.46	-45.45	-21.20	-24.25
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-49.05	-47.45	-45.17	-40.16	-21.20	-18.96
2437MHz	Pass	2.4835G	2.5235G	PK	2.48446G	5.01	-48.44	-46.86	-44.57	-39.56	-21.20	-18.36
2462MHz	Pass	2.36G	2.4G	AV	2.39G	5.01	-64.07	-64.42	-61.23	-56.22	-41.20	-15.02
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-48.98	-53.38	-47.63	-42.62	-41.20	-1.42
2462MHz	Pass	2.4835G	2.5235G	AV	2.48366G	5.01	-49.33	-53.92	-48.03	-43.02	-41.20	-1.82
2462MHz	Pass	2.36G	2.4G	PK	2.39G	5.01	-54.21	-54.71	-51.44	-46.43	-21.20	-25.23
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-42.25	-45.06	-40.42	-35.41	-21.20	-14.21
2462MHz	Pass	2.4835G	2.5235G	PK	2.48374G	5.01	-42.29	-44.35	-40.19	-35.18	-21.20	-13.98
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.4G	AV	2.38992G	5.01	-52.31	-51.34	-48.79	-43.78	-41.20	-2.58
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-59.27	-59.25	-56.25	-51.24	-41.20	-10.04
2412MHz	Pass	2.4835G	2.5235G	AV	2.4835G	5.01	-58.84	-58.65	-55.73	-50.72	-41.20	-9.52
2412MHz	Pass	2.36G	2.4G	PK	2.39G	5.01	-28.66	-30.11	-26.31	-21.30	-21.20	-0.10
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-50.04	-48.95	-46.45	-41.44	-21.20	-20.24
2412MHz	Pass	2.4835G	2.5235G	PK	2.48366G	5.01	-47.71	-49.50	-45.50	-40.49	-21.20	-19.29
2437MHz	Pass	2.36G	2.4G	AV	2.38984G	5.01	-61.65	-59.24	-57.27	-52.26	-41.20	-11.06
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-55.46	-52.79	-50.91	-45.90	-41.20	-4.70
2437MHz	Pass	2.4835G	2.5235G	AV	2.48398G	5.01	-55.61	-53.72	-51.55	-46.54	-41.20	-5.34
2437MHz	Pass	2.36G	2.4G	PK	2.39G	5.01	-44.71	-48.94	-43.32	-38.31	-21.20	-17.11
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-46.24	-38.14	-37.51	-32.50	-21.20	-11.30
2437MHz	Pass	2.4835G	2.5235G	PK	2.48462G	5.01	-45.83	-37.81	-37.17	-32.16	-21.20	-10.96
2462MHz	Pass	2.36G	2.4G	AV	2.39G	5.01	-64.52	-63.74	-61.10	-56.09	-41.20	-14.89
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-53.75	-49.15	-47.86	-42.85	-41.20	-1.65
2462MHz	Pass	2.4835G	2.5235G	AV	2.48358G	5.01	-51.12	-50.04	-47.54	-42.53	-41.20	-1.33
2462MHz	Pass	2.36G	2.4G	PK	2.38976G	5.01	-53.85	-54.99	-51.37	-46.36	-21.20	-25.16
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-36.33	-32.78	-31.19	-26.18	-21.20	-4.98
2462MHz	Pass	2.4835G	2.5235G	PK	2.48406G	5.01	-28.85	-34.40	-27.78	-22.77	-21.20	-1.57
802.11ax_HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.4G	AV	2.39G	5.01	-52.46	-50.20	-48.17	-43.16	-41.20	-1.96
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-60.22	-59.87	-57.03	-52.02	-41.20	-10.82
2412MHz	Pass	2.4835G	2.5235G	AV	2.48406G	5.01	-59.32	-59.38	-56.34	-51.33	-41.20	-10.13
2412MHz	Pass	2.36G	2.4G	PK	2.39G	5.01	-32.25	-33.16	-29.67	-24.66	-21.20	-3.46
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-50.39	-50.64	-47.50	-42.49	-21.20	-21.29
2412MHz	Pass	2.4835G	2.5235G	PK	2.48406G	5.01	-49.35	-50.05	-46.68	-41.67	-21.20	-20.47
2437MHz	Pass	2.36G	2.4G	AV	2.39G	5.01	-60.43	-58.69	-56.46	-51.45	-41.20	-10.25
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-55.10	-54.76	-51.92	-46.91	-41.20	-5.71
2437MHz	Pass	2.4835G	2.5235G	AV	2.48382G	5.01	-54.19	-54.21	-51.19	-46.18	-41.20	-4.98
2437MHz	Pass	2.36G	2.4G	PK	2.39G	5.01	-42.61	-48.07	-41.52	-36.51	-21.20	-15.31
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-41.46	-42.76	-39.05	-34.04	-21.20	-12.84
2437MHz	Pass	2.4835G	2.5235G	PK	2.4835G	5.01	-42.08	-39.50	-37.59	-32.58	-21.20	-11.38
2462MHz	Pass	2.36G	2.4G	AV	2.38968G	5.01	-65.22	-63.93	-61.52	-56.51	-41.20	-15.31
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-53.18	-49.54	-47.98	-42.97	-41.20	-1.77
2462MHz	Pass	2.4835G	2.5235G	AV	2.48406G	5.01	-53.34	-49.25	-47.82	-42.81	-41.20	-1.61
2462MHz	Pass	2.36G	2.4G	PK	2.38984G	5.01	-55.58	-53.79	-51.58	-46.57	-21.20	-25.37
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-35.44	-32.92	-30.99	-25.98	-21.20	-4.78
2462MHz	Pass	2.4835G	2.5235G	PK	2.48414G	5.01	-30.82	-33.10	-28.80	-23.79	-21.20	-2.59

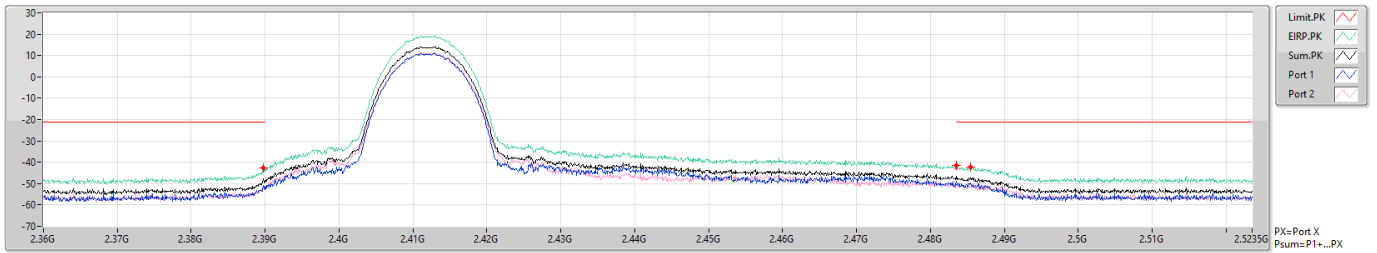
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802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE [PK]

27/07/2021



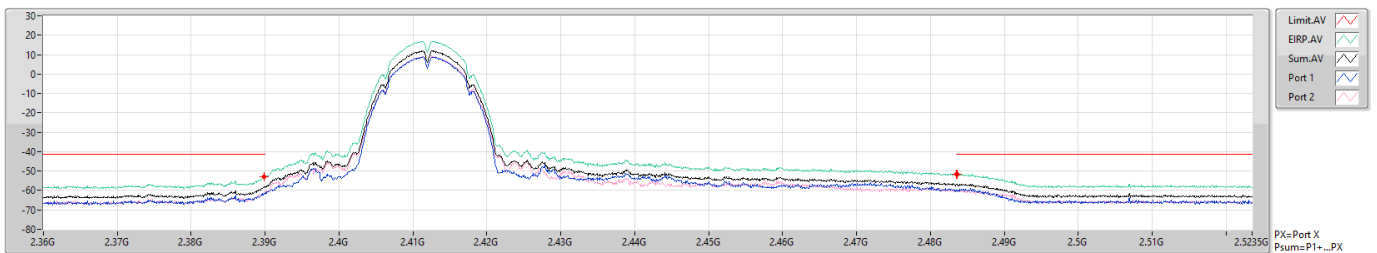
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.38976G	-42.80	-21.20	-21.60	5.01	0.00	-47.81	-50.84	-50.80
2.4G	2.4835G	1M	PK	2.4835G	-41.48	-21.20	-20.28	5.01	0.00	-46.49	-48.85	-50.26
2.4835G	2.5235G	1M	PK	2.48542G	-42.25	-21.20	-21.05	5.01	0.00	-47.26	-49.58	-51.10

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE [AV]

27/07/2021



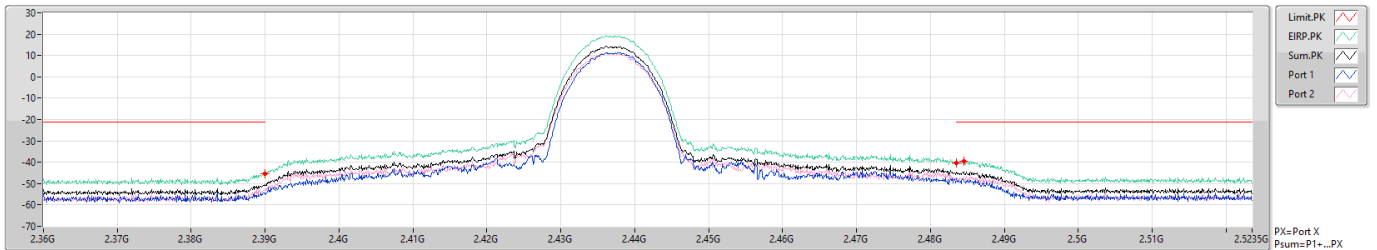
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2.36G	2.4G	1M	AV	2.38984G	-53.04	-41.20	-11.84	5.01	0.00	-58.05	-61.34	-60.80
2.4G	2.4835G	1M	AV	2.4835G	-51.83	-41.20	-10.63	5.01	0.00	-56.84	-60.03	-59.67
2.4835G	2.5235G	1M	AV	2.48366G	-51.76	-41.20	-10.56	5.01	0.00	-56.77	-59.95	-59.62

802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSE [PK]

27/07/2021



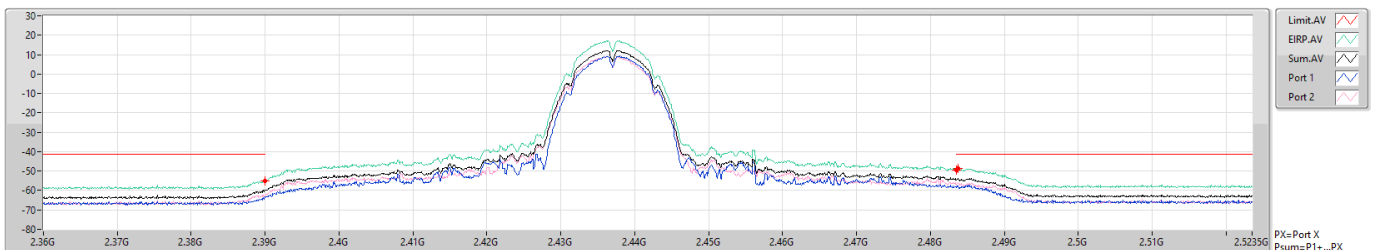
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2.36G	2.4G	1M	PK	2.39G	-45.45	-21.20	-24.25	5.01	0.00	-50.46	-54.23	-52.83
2.4G	2.4835G	1M	PK	2.4835G	-40.16	-21.20	-18.96	5.01	0.00	-45.17	-49.05	-47.45
2.4835G	2.5235G	1M	PK	2.48446G	-39.56	-21.20	-18.36	5.01	0.00	-44.57	-48.44	-46.86

802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSE [AV]

27/07/2021



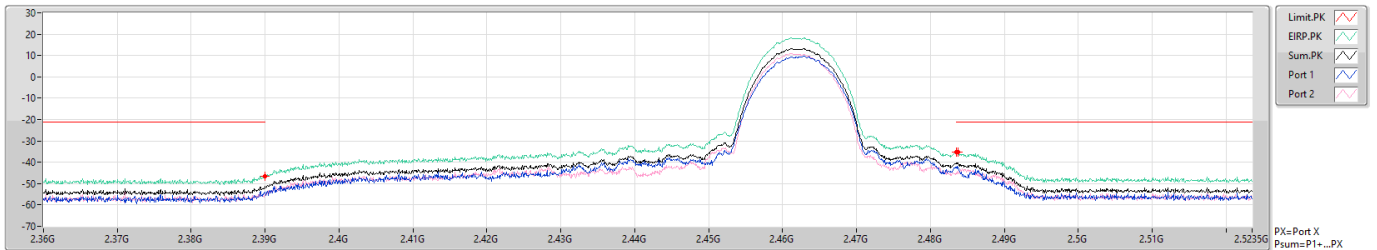
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.38992G	-54.92	-41.20	-13.72	5.01	0.00	-59.93	-63.29	-62.61
2.4G	2.4835G	1M	AV	2.4835G	-49.70	-41.20	-8.50	5.01	0.00	-54.71	-58.45	-57.09
2.4835G	2.5235G	1M	AV	2.48374G	-48.83	-41.20	-7.63	5.01	0.00	-53.84	-57.85	-56.04

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSE [PK]

27/07/2021



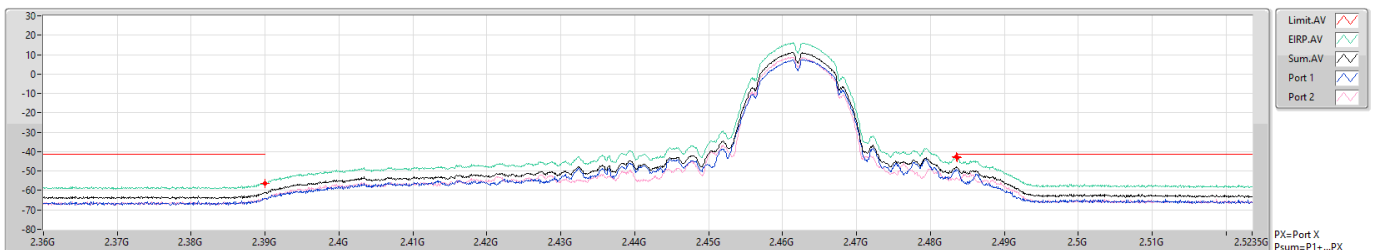
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.39G	-46.43	-21.20	-25.23	5.01	0.00	-51.44	-54.21	-54.71
2.4G	2.4835G	1M	PK	2.4835G	-35.41	-21.20	-14.21	5.01	0.00	-40.42	-42.25	-45.06
2.4835G	2.5235G	1M	PK	2.48374G	-35.18	-21.20	-13.98	5.01	0.00	-40.19	-42.29	-44.35

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSE [AV]

27/07/2021



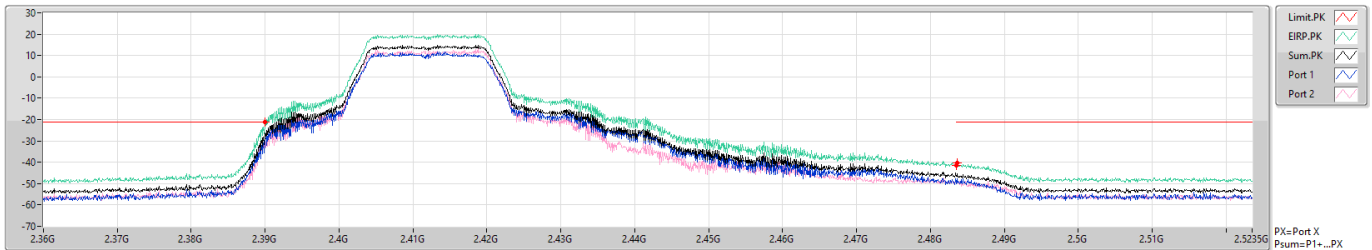
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.39G	-56.22	-41.20	-15.02	5.01	0.00	-61.23	-64.07	-64.42
2.4G	2.4835G	1M	AV	2.4835G	-42.62	-41.20	-1.42	5.01	0.00	-47.63	-48.98	-53.38
2.4835G	2.5235G	1M	AV	2.48366G	-43.02	-41.20	-1.82	5.01	0.00	-48.03	-49.33	-53.92

802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSE [PK]

26/07/2021



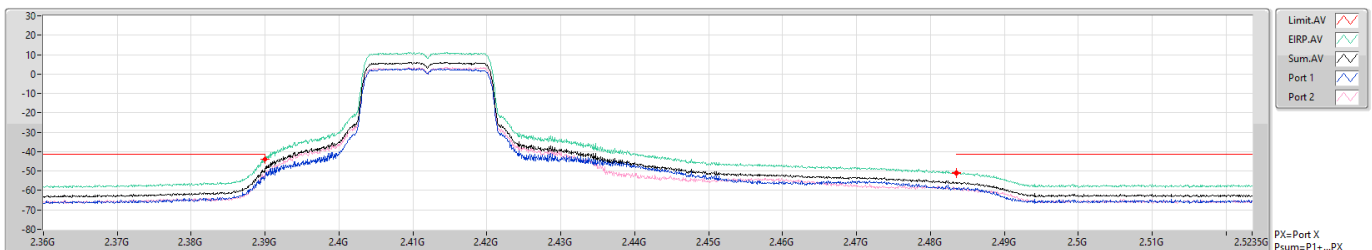
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.39G	-21.30	-21.20	-0.10	5.01	0.00	-26.31	-28.66	-30.11
2.4G	2.4835G	1M	PK	2.4835G	-41.44	-21.20	-20.24	5.01	0.00	-46.45	-50.04	-48.95
2.4835G	2.5235G	1M	PK	2.4836G	-40.49	-21.20	-19.29	5.01	0.00	-45.50	-47.71	-49.50

802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSE [AV]

26/07/2021



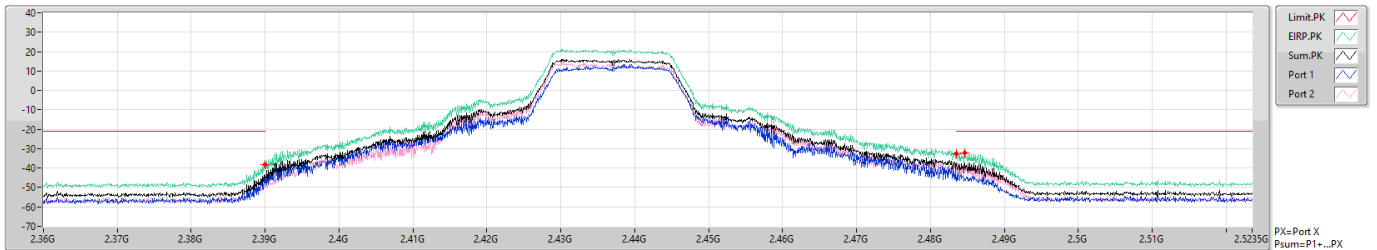
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.38992G	-43.78	-41.20	-2.58	5.01	0.00	-48.79	-52.31	-51.34
2.4G	2.4835G	1M	AV	2.4835G	-51.24	-41.20	-10.04	5.01	0.00	-56.25	-59.27	-59.25
2.4835G	2.5235G	1M	AV	2.4835G	-50.72	-41.20	-9.52	5.01	0.00	-55.73	-58.84	-58.65

802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE [PK]

26/07/2021



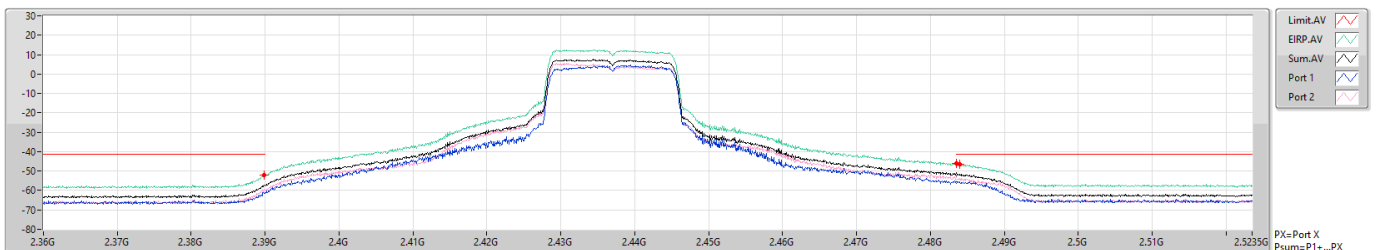
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.39G	-38.31	-21.20	-17.11	5.01	0.00	-43.32	-44.71	-48.94
2.4G	2.4835G	1M	PK	2.4835G	-32.50	-21.20	-11.30	5.01	0.00	-37.51	-46.24	-38.14
2.4835G	2.5235G	1M	PK	2.48462G	-32.16	-21.20	-10.96	5.01	0.00	-37.17	-45.83	-37.81

802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE [AV]

26/07/2021



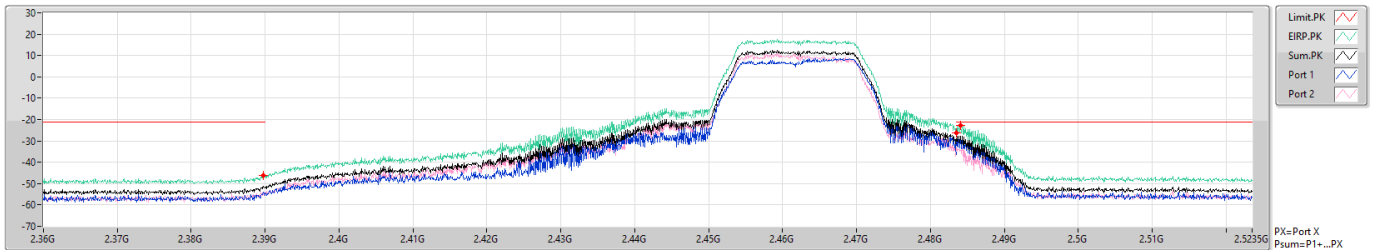
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.38994G	-52.26	-41.20	-11.06	5.01	0.00	-57.27	-61.65	-59.24
2.4G	2.4835G	1M	AV	2.4835G	-45.90	-41.20	-4.70	5.01	0.00	-50.91	-55.46	-52.79
2.4835G	2.5235G	1M	AV	2.48398G	-46.54	-41.20	-5.34	5.01	0.00	-51.55	-55.61	-53.72

802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE [PK]

26/07/2021



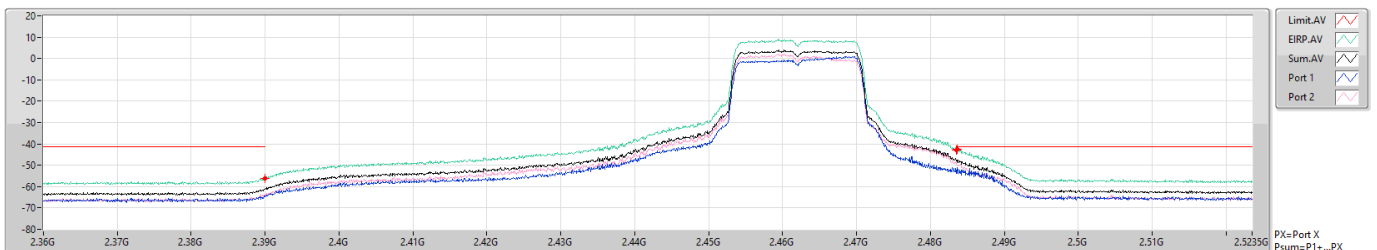
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.38976G	-46.36	-21.20	-25.16	5.01	0.00	-51.37	-53.85	-54.99
2.4G	2.4835G	1M	PK	2.4835G	-26.18	-21.20	-4.98	5.01	0.00	-31.19	-36.33	-32.78
2.4835G	2.5235G	1M	PK	2.48406G	-22.77	-21.20	-1.57	5.01	0.00	-27.78	-28.85	-34.40

802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE [AV]

26/07/2021

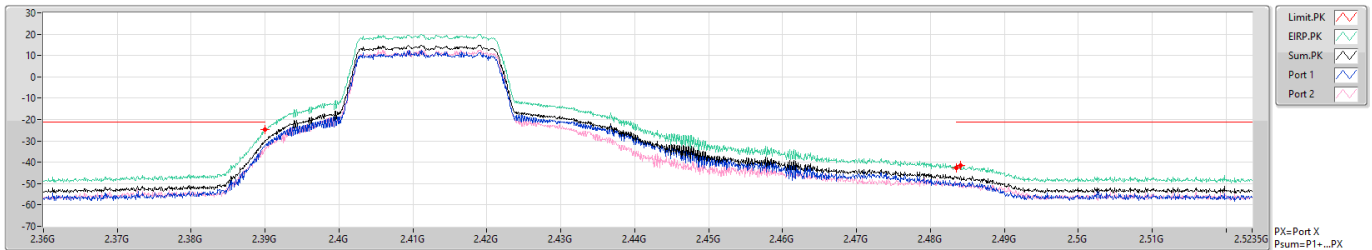


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.39G	-56.09	-41.20	-14.89	5.01	0.00	-61.10	-64.52	-63.74
2.4G	2.4835G	1M	AV	2.4835G	-42.85	-41.20	-1.65	5.01	0.00	-47.86	-53.75	-49.15
2.4835G	2.5235G	1M	AV	2.48358G	-42.53	-41.20	-1.33	5.01	0.00	-47.54	-51.12	-50.04

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

CSE [PK]

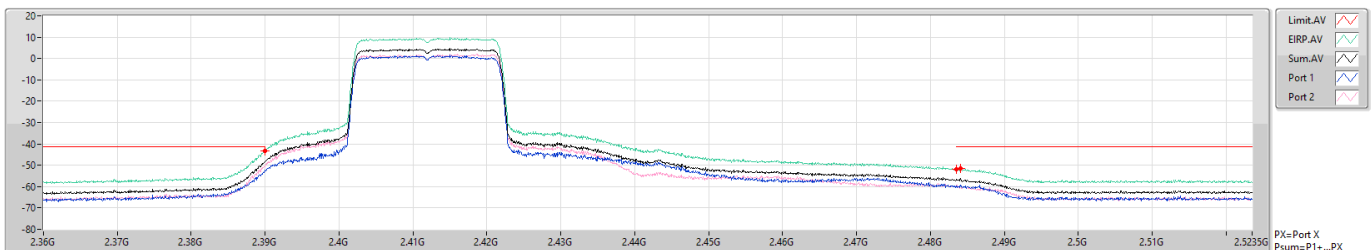


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.39G	-24.66	-21.20	-3.46	5.01	0.00	-29.67	-32.25	-33.16
2.4G	2.4835G	1M	PK	2.4835G	-42.49	-21.20	-21.29	5.01	0.00	-47.50	-50.39	-50.64
2.4835G	2.5235G	1M	PK	2.48406G	-41.67	-21.20	-20.47	5.01	0.00	-46.68	-49.35	-50.05

802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

CSE [AV]



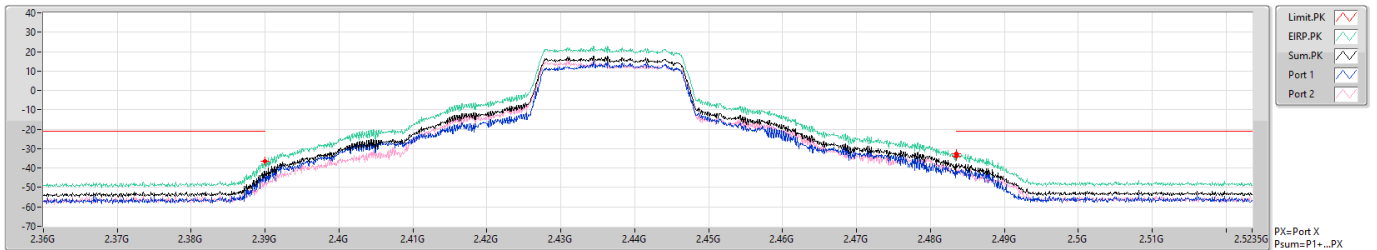
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.39G	-43.16	-41.20	-1.96	5.01	0.00	-48.17	-52.46	-50.20
2.4G	2.4835G	1M	AV	2.4835G	-52.02	-41.20	-10.82	5.01	0.00	-57.03	-60.22	-59.87
2.4835G	2.5235G	1M	AV	2.48406G	-51.33	-41.20	-10.13	5.01	0.00	-56.34	-59.32	-59.38

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

CSE [PK]

26/07/2021



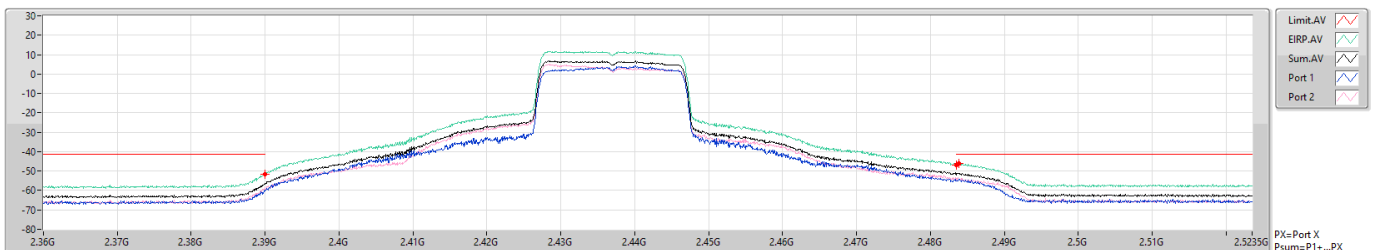
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.39G	-36.51	-21.20	-15.31	5.01	0.00	-41.52	-42.61	-48.07
2.4G	2.4835G	1M	PK	2.4835G	-34.04	-21.20	-12.84	5.01	0.00	-39.05	-41.46	-42.76
2.4835G	2.5235G	1M	PK	2.4835G	-32.58	-21.20	-11.38	5.01	0.00	-37.59	-42.08	-39.50

802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

CSE [AV]

26/07/2021

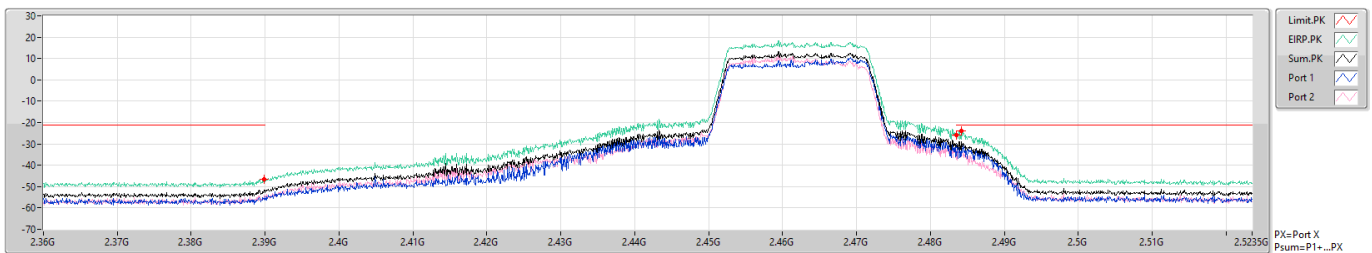


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.39G	-51.45	-41.20	-10.25	5.01	0.00	-56.46	-60.43	-58.69
2.4G	2.4835G	1M	AV	2.4835G	-46.91	-41.20	-5.71	5.01	0.00	-51.92	-55.10	-54.76
2.4835G	2.5235G	1M	AV	2.48382G	-46.18	-41.20	-4.98	5.01	0.00	-51.19	-54.19	-54.21

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

CSE [PK]

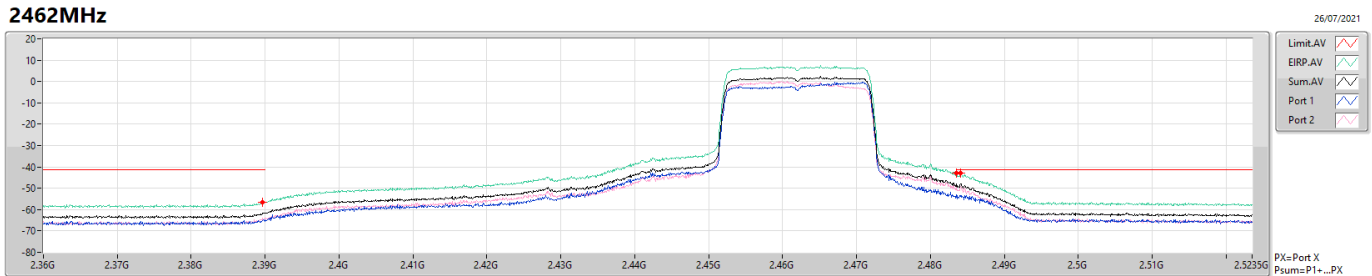


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.38994G	-46.57	-21.20	-25.37	5.01	0.00	-51.58	-55.58	-53.79
2.4G	2.4835G	1M	PK	2.4835G	-25.98	-21.20	-4.78	5.01	0.00	-30.99	-35.44	-32.92
2.4835G	2.5235G	1M	PK	2.48414G	-23.79	-21.20	-2.59	5.01	0.00	-28.80	-30.82	-33.10

802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

CSE [AV]



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.38998G	-56.51	-41.20	-15.31	5.01	0.00	-61.52	-65.22	-63.93
2.4G	2.4835G	1M	AV	2.4835G	-42.97	-41.20	-1.77	5.01	0.00	-47.98	-53.18	-49.54
2.4835G	2.5235G	1M	AV	2.48406G	-42.81	-41.20	-1.61	5.01	0.00	-47.82	-53.34	-49.25

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	7.5G	25G	AV	19.83531G	5.01	-65.11	-63.72	-61.35	-56.34	-41.20	-15.14
802.11g_Nss1,(6Mbps)_2TX	Pass	7.5G	25G	AV	19.84406G	5.01	-64.51	-64.73	-61.61	-56.60	-41.20	-15.40
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	7.5G	25G	AV	19.85281G	5.01	-63.83	-64.97	-61.35	-56.34	-41.20	-15.14

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.28639G	5.01	-76.16	-75.73	-72.93	-67.92	-41.20	-26.72
2412MHz	Pass	2.36G	2.4G	AV	2.37176G	5.01	-76.01	-75.91	-72.95	-67.94	-41.20	-26.74
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.23	-75.46	-72.82	-67.81	-41.20	-26.61
2412MHz	Pass	2.4835G	2.5235G	AV	2.51742G	5.01	-74.85	-75.78	-72.28	-67.27	-41.20	-26.07
2412MHz	Pass	2.5235G	2.9G	AV	2.6693G	5.01	-76.32	-74.24	-72.15	-67.14	-41.20	-25.94
2412MHz	Pass	2.9G	7.5G	AV	4.82395G	5.01	-66.97	-72.82	-65.97	-60.96	-41.20	-19.76
2412MHz	Pass	7.5G	25G	AV	19.8375G	5.01	-64.94	-64.64	-61.78	-56.77	-41.20	-15.57
2412MHz	Pass	1G	2.36G	PK	2.34657G	5.01	-65.86	-69.00	-64.14	-59.13	-21.20	-37.93
2412MHz	Pass	2.36G	2.4G	PK	2.37896G	5.01	-65.27	-66.79	-62.95	-57.94	-21.20	-36.74
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-65.65	-66.87	-63.21	-58.20	-21.20	-37.00
2412MHz	Pass	2.4835G	2.5235G	PK	2.52062G	5.01	-65.10	-64.91	-61.99	-56.98	-21.20	-35.78
2412MHz	Pass	2.5235G	2.9G	PK	2.79053G	5.01	-65.35	-65.47	-62.40	-57.39	-21.20	-36.19
2412MHz	Pass	2.9G	7.5G	PK	4.82395G	5.01	-60.92	-65.83	-59.70	-54.69	-21.20	-33.49
2412MHz	Pass	2.9G	7.5G	PK	7.3367G	5.01	-60.83	-61.45	-58.12	-53.11	-21.20	-31.91
2412MHz	Pass	7.5G	25G	PK	15.75781G	5.01	-55.07	-56.42	-52.68	-47.67	-21.20	-26.47
2437MHz	Pass	1G	2.36G	AV	2.26599G	5.01	-75.48	-77.42	-73.33	-68.32	-41.20	-27.12
2437MHz	Pass	2.36G	2.4G	AV	2.36984G	5.01	-75.87	-75.82	-72.83	-67.82	-41.20	-26.62
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.14	-75.54	-72.82	-67.81	-41.20	-26.61
2437MHz	Pass	2.4835G	2.5235G	AV	2.49622G	5.01	-74.70	-76.22	-72.38	-67.37	-41.20	-26.17
2437MHz	Pass	2.5235G	2.9G	AV	2.84625G	5.01	-75.77	-75.13	-72.43	-67.42	-41.20	-26.22
2437MHz	Pass	2.9G	7.5G	AV	4.87398G	5.01	-69.54	-72.82	-67.87	-62.86	-41.20	-21.66
2437MHz	Pass	2.9G	7.5G	AV	7.31025G	5.01	-70.42	-68.18	-66.15	-61.14	-41.20	-19.94
2437MHz	Pass	7.5G	25G	AV	19.8375G	5.01	-64.61	-64.66	-61.62	-56.61	-41.20	-15.41
2437MHz	Pass	1G	2.36G	PK	2.29557G	5.01	-67.11	-66.88	-63.98	-58.97	-21.20	-37.77
2437MHz	Pass	2.36G	2.4G	PK	2.38112G	5.01	-66.59	-65.35	-62.92	-57.91	-21.20	-36.71
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-66.76	-66.86	-63.80	-58.79	-21.20	-37.59
2437MHz	Pass	2.4835G	2.5235G	PK	2.51614G	5.01	-64.89	-64.74	-61.80	-56.79	-21.20	-35.59
2437MHz	Pass	2.5235G	2.9G	PK	2.86875G	5.01	-66.24	-63.68	-61.76	-56.75	-21.20	-35.55
2437MHz	Pass	2.9G	7.5G	PK	4.88088G	5.01	-64.29	-63.28	-60.75	-55.74	-21.20	-34.54
2437MHz	Pass	2.9G	7.5G	PK	7.29645G	5.01	-62.80	-58.20	-56.91	-51.90	-21.20	-30.70
2437MHz	Pass	7.5G	25G	PK	19.84844G	5.01	-55.41	-54.49	-51.92	-46.91	-21.20	-25.71
2462MHz	Pass	1G	2.36G	AV	2.34028G	5.01	-76.58	-75.83	-73.18	-68.17	-41.20	-26.97
2462MHz	Pass	2.36G	2.4G	AV	2.37216G	5.01	-75.78	-75.91	-72.83	-67.82	-41.20	-26.62
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.23	-76.50	-73.35	-68.34	-41.20	-27.14
2462MHz	Pass	2.4835G	2.5235G	AV	2.51694G	5.01	-75.01	-75.52	-72.25	-67.24	-41.20	-26.04
2462MHz	Pass	2.5235G	2.9G	AV	2.80343G	5.01	-74.80	-76.27	-72.46	-67.45	-41.20	-26.25
2462MHz	Pass	2.9G	7.5G	AV	4.924G	5.01	-68.79	-72.73	-67.32	-62.31	-41.20	-21.11
2462MHz	Pass	2.9G	7.5G	AV	7.38443G	5.01	-71.89	-66.23	-65.19	-60.18	-41.20	-18.98
2462MHz	Pass	7.5G	25G	AV	19.83531G	5.01	-65.11	-63.72	-61.35	-56.34	-41.20	-15.14
2462MHz	Pass	1G	2.36G	PK	2.29965G	5.01	-66.42	-67.01	-63.69	-58.68	-21.20	-37.48
2462MHz	Pass	2.36G	2.4G	PK	2.38768G	5.01	-66.85	-64.43	-62.46	-57.45	-21.20	-36.25
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-65.16	-67.97	-63.33	-58.32	-21.20	-37.12
2462MHz	Pass	2.4835G	2.5235G	PK	2.49398G	5.01	-63.87	-66.85	-62.10	-57.09	-21.20	-35.89
2462MHz	Pass	2.5235G	2.9G	PK	2.68652G	5.01	-66.46	-64.73	-62.50	-57.49	-21.20	-36.29
2462MHz	Pass	2.9G	7.5G	PK	4.9286G	5.01	-62.04	-64.29	-60.01	-55.00	-21.20	-33.80
2462MHz	Pass	2.9G	7.5G	PK	7.385G	5.01	-62.30	-57.74	-56.44	-51.43	-21.20	-30.23
2462MHz	Pass	7.5G	25G	PK	19.86196G	5.01	-56.42	-54.24	-52.18	-47.17	-21.20	-25.97
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.31257G	5.01	-75.86	-77.30	-73.51	-68.50	-41.20	-27.30
2412MHz	Pass	2.36G	2.4G	AV	2.37888G	5.01	-76.08	-76.05	-73.05	-68.04	-41.20	-26.84
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-75.86	-76.27	-73.05	-68.04	-41.20	-26.84
2412MHz	Pass	2.4835G	2.5235G	AV	2.48502G	5.01	-75.63	-75.06	-72.33	-67.32	-41.20	-26.12
2412MHz	Pass	2.5235G	2.9G	AV	2.83562G	5.01	-75.14	-75.46	-72.29	-67.28	-41.20	-26.08
2412MHz	Pass	2.9G	7.5G	AV	4.8159G	5.01	-72.15	-72.14	-69.13	-64.12	-41.20	-22.92
2412MHz	Pass	2.9G	7.5G	AV	7.28955G	5.01	-71.37	-69.36	-67.24	-62.23	-41.20	-21.03
2412MHz	Pass	7.5G	25G	AV	19.85281G	5.01	-64.41	-65.37	-61.85	-56.84	-41.20	-15.64
2412MHz	Pass	1G	2.36G	PK	2.28078G	5.01	-69.27	-65.00	-63.62	-58.61	-21.20	-37.41
2412MHz	Pass	2.36G	2.4G	PK	2.37216G	5.01	-65.09	-66.03	-62.52	-57.51	-21.20	-36.31
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-65.51	-66.74	-63.07	-58.06	-21.20	-36.86
2412MHz	Pass	2.4835G	2.5235G	PK	2.5191G	5.01	-64.31	-65.43	-61.82	-56.81	-21.20	-35.61
2412MHz	Pass	2.5235G	2.9G	PK	2.67071G	5.01	-64.10	-67.09	-62.33	-57.32	-21.20	-36.12
2412MHz	Pass	2.9G	7.5G	PK	4.81878G	5.01	-64.10	-62.35	-60.13	-55.12	-21.20	-33.92
2412MHz	Pass	2.9G	7.5G	PK	7.3068G	5.01	-61.26	-60.42	-57.81	-52.80	-21.20	-31.60
2412MHz	Pass	7.5G	25G	PK	15.76G	5.01	-56.09	-55.71	-52.89	-47.88	-21.20	-26.68
2437MHz	Pass	1G	2.36G	AV	2.29574G	5.01	-76.68	-76.01	-73.32	-68.31	-41.20	-27.11
2437MHz	Pass	2.36G	2.4G	AV	2.38248G	5.01	-75.99	-75.50	-72.73	-67.72	-41.20	-26.52
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.85	-76.22	-73.51	-68.50	-41.20	-27.30
2437MHz	Pass	2.4835G	2.5235G	AV	2.49878G	5.01	-75.30	-75.38	-72.33	-67.32	-41.20	-26.12

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2437MHz	Pass	2.5235G	2.9G	AV	2.71721G	5.01	-76.23	-74.96	-72.54	-67.53	-41.20	-26.33
2437MHz	Pass	2.9G	7.5G	AV	4.87685G	5.01	-71.76	-73.56	-69.56	-64.55	-41.20	-23.35
2437MHz	Pass	2.9G	7.5G	AV	7.3114G	5.01	-70.63	-66.88	-65.35	-60.34	-41.20	-19.14
2437MHz	Pass	7.5G	25G	AV	19.84406G	5.01	-64.51	-64.73	-61.61	-56.60	-41.20	-15.40
2437MHz	Pass	1G	2.36G	PK	2.11197G	5.01	-66.18	-68.72	-64.26	-59.25	-21.20	-38.05
2437MHz	Pass	2.36G	2.4G	PK	2.3884G	5.01	-64.45	-67.66	-62.75	-57.74	-21.20	-36.54
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-66.19	-66.18	-63.17	-58.16	-21.20	-36.96
2437MHz	Pass	2.4835G	2.5235G	PK	2.50518G	5.01	-65.57	-64.59	-62.04	-57.03	-21.20	-35.83
2437MHz	Pass	2.5235G	2.9G	PK	2.81472G	5.01	-65.64	-64.98	-62.29	-57.28	-21.20	-36.08
2437MHz	Pass	2.9G	7.5G	PK	4.88145G	5.01	-66.49	-60.83	-59.79	-54.78	-21.20	-33.58
2437MHz	Pass	2.9G	7.5G	PK	7.31198G	5.01	-63.95	-56.00	-55.35	-50.34	-21.20	-29.14
2437MHz	Pass	7.5G	25G	PK	19.82875G	5.01	-55.83	-55.19	-52.49	-47.48	-21.20	-26.28
2462MHz	Pass	1G	2.36G	AV	2.34028G	5.01	-77.15	-76.01	-73.53	-68.52	-41.20	-27.32
2462MHz	Pass	2.36G	2.4G	AV	2.37472G	5.01	-76.10	-75.93	-73.00	-67.99	-41.20	-26.79
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.50	-76.60	-73.54	-68.53	-41.20	-27.33
2462MHz	Pass	2.4835G	2.5235G	AV	2.49678G	5.01	-75.06	-75.46	-72.25	-67.24	-41.20	-26.04
2462MHz	Pass	2.5235G	2.9G	AV	2.69829G	5.01	-75.24	-75.71	-72.46	-67.45	-41.20	-26.25
2462MHz	Pass	2.9G	7.5G	AV	4.92458G	5.01	-72.10	-71.77	-68.92	-63.91	-41.20	-22.71
2462MHz	Pass	2.9G	7.5G	AV	7.2953G	5.01	-69.70	-70.82	-67.21	-62.20	-41.20	-21.00
2462MHz	Pass	7.5G	25G	AV	19.81344G	5.01	-64.54	-65.02	-61.76	-56.75	-41.20	-15.55
2462MHz	Pass	1G	2.36G	PK	2.33994G	5.01	-66.09	-69.87	-64.57	-59.56	-21.20	-38.36
2462MHz	Pass	2.36G	2.4G	PK	2.3656G	5.01	-67.30	-64.75	-62.83	-57.82	-21.20	-36.62
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-66.27	-66.64	-63.44	-58.43	-21.20	-37.23
2462MHz	Pass	2.4835G	2.5235G	PK	2.4935G	5.01	-63.68	-65.81	-61.61	-56.60	-21.20	-35.40
2462MHz	Pass	2.5235G	2.9G	PK	2.66328G	5.01	-65.02	-65.35	-62.17	-57.16	-21.20	-35.96
2462MHz	Pass	2.9G	7.5G	PK	4.92113G	5.01	-62.53	-62.79	-59.65	-54.64	-21.20	-33.44
2462MHz	Pass	2.9G	7.5G	PK	7.31198G	5.01	-61.37	-60.38	-57.84	-52.83	-21.20	-31.63
2462MHz	Pass	7.5G	25G	PK	19.38469G	5.01	-58.42	-54.84	-53.26	-48.25	-21.20	-27.05
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.31002G	5.01	-77.00	-75.71	-73.30	-68.29	-41.20	-27.09
2412MHz	Pass	2.36G	2.4G	AV	2.37952G	5.01	-76.04	-76.01	-73.01	-68.00	-41.20	-26.80
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.42	-75.75	-73.06	-68.05	-41.20	-26.85
2412MHz	Pass	2.4835G	2.5235G	AV	2.5007G	5.01	-75.38	-74.77	-72.05	-67.04	-41.20	-25.84
2412MHz	Pass	2.5235G	2.9G	AV	2.69424G	5.01	-75.95	-74.91	-72.39	-67.38	-41.20	-26.18
2412MHz	Pass	2.9G	7.5G	AV	4.8251G	5.01	-72.15	-71.59	-68.85	-63.84	-41.20	-22.64
2412MHz	Pass	2.9G	7.5G	AV	7.27G	5.01	-70.31	-70.25	-67.27	-62.26	-41.20	-21.06
2412MHz	Pass	7.5G	25G	AV	19.83531G	5.01	-63.95	-64.94	-61.41	-56.40	-41.20	-15.20
2412MHz	Pass	1G	2.36G	PK	2.14087G	5.01	-68.41	-65.79	-63.90	-58.89	-21.20	-37.69
2412MHz	Pass	2.36G	2.4G	PK	2.37528G	5.01	-65.90	-66.13	-63.00	-57.99	-21.20	-36.79
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-67.28	-66.12	-63.65	-58.64	-21.20	-37.44
2412MHz	Pass	2.4835G	2.5235G	PK	2.5083G	5.01	-63.56	-66.28	-61.70	-56.69	-21.20	-35.49
2412MHz	Pass	2.5235G	2.9G	PK	2.82611G	5.01	-63.54	-67.08	-61.95	-56.94	-21.20	-35.74
2412MHz	Pass	2.9G	7.5G	PK	4.81935G	5.01	-63.09	-63.49	-60.28	-55.27	-21.20	-34.07
2412MHz	Pass	2.9G	7.5G	PK	7.2516G	5.01	-61.81	-59.34	-57.39	-52.38	-21.20	-31.18
2412MHz	Pass	7.5G	25G	PK	15.89344G	5.01	-57.81	-54.26	-52.67	-47.66	-21.20	-26.46
2437MHz	Pass	1G	2.36G	AV	2.31971G	5.01	-75.84	-76.10	-72.96	-67.95	-41.20	-26.75
2437MHz	Pass	2.36G	2.4G	AV	2.37512G	5.01	-75.14	-76.93	-72.93	-67.92	-41.20	-26.72
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-75.96	-76.52	-73.22	-68.21	-41.20	-27.01
2437MHz	Pass	2.4835G	2.5235G	AV	2.4943G	5.01	-75.91	-74.33	-72.04	-67.03	-41.20	-25.83
2437MHz	Pass	2.5235G	2.9G	AV	2.84324G	5.01	-76.22	-74.32	-72.16	-67.15	-41.20	-25.95
2437MHz	Pass	2.9G	7.5G	AV	4.87398G	5.01	-72.53	-72.56	-69.53	-64.52	-41.20	-23.32
2437MHz	Pass	2.9G	7.5G	AV	7.30853G	5.01	-70.84	-66.91	-65.43	-60.42	-41.20	-19.22
2437MHz	Pass	7.5G	25G	AV	19.84625G	5.01	-65.12	-64.37	-61.72	-56.71	-41.20	-15.51
2437MHz	Pass	1G	2.36G	PK	2.2563G	5.01	-67.27	-65.56	-63.32	-58.31	-21.20	-37.11
2437MHz	Pass	2.36G	2.4G	PK	2.38256G	5.01	-67.39	-64.98	-63.01	-58.00	-21.20	-36.80
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-66.41	-66.66	-63.52	-58.51	-21.20	-37.31
2437MHz	Pass	2.4835G	2.5235G	PK	2.49094G	5.01	-65.05	-65.08	-62.05	-57.04	-21.20	-35.84
2437MHz	Pass	2.5235G	2.9G	PK	2.89209G	5.01	-65.53	-64.82	-62.15	-57.14	-21.20	-35.94
2437MHz	Pass	2.9G	7.5G	PK	4.8711G	5.01	-62.53	-64.35	-60.34	-55.33	-21.20	-34.13
2437MHz	Pass	2.9G	7.5G	PK	7.31543G	5.01	-63.66	-56.91	-56.08	-51.07	-21.20	-29.87
2437MHz	Pass	7.5G	25G	PK	19.41969G	5.01	-56.35	-55.44	-52.86	-47.85	-21.20	-26.65
2462MHz	Pass	1G	2.36G	AV	2.27959G	5.01	-75.67	-77.22	-73.37	-68.36	-41.20	-27.16
2462MHz	Pass	2.36G	2.4G	AV	2.36056G	5.01	-76.88	-75.11	-72.90	-67.89	-41.20	-26.69
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.01	-76.37	-76.16	-73.25	-68.24	-41.20	-27.04
2462MHz	Pass	2.4835G	2.5235G	AV	2.51486G	5.01	-75.82	-74.59	-72.15	-67.14	-41.20	-25.94
2462MHz	Pass	2.5235G	2.9G	AV	2.71335G	5.01	-75.62	-75.24	-72.42	-67.41	-41.20	-26.21
2462MHz	Pass	2.9G	7.5G	AV	4.92573G	5.01	-72.30	-71.74	-69.00	-63.99	-41.20	-22.79
2462MHz	Pass	2.9G	7.5G	AV	7.25103G	5.01	-70.07	-70.66	-67.34	-62.33	-41.20	-21.13
2462MHz	Pass	7.5G	25G	AV	19.85281G	5.01	-63.83	-64.97	-61.35	-56.34	-41.20	-15.14
2462MHz	Pass	1G	2.36G	PK	2.35133G	5.01	-68.12	-66.10	-63.98	-58.97	-21.20	-37.77



Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2462MHz	Pass	2.36G	2.4G	PK	2.36856G	5.01	-66.18	-65.89	-63.02	-58.01	-21.20	-36.81
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.01	-66.96	-66.68	-63.81	-58.80	-21.20	-37.60
2462MHz	Pass	2.4835G	2.5235G	PK	2.50838G	5.01	-64.98	-65.55	-62.25	-57.24	-21.20	-36.04
2462MHz	Pass	2.5235G	2.9G	PK	2.77839G	5.01	-64.64	-65.60	-62.08	-57.07	-21.20	-36.87
2462MHz	Pass	2.9G	7.5G	PK	4.9309G	5.01	-64.41	-62.15	-60.12	-55.11	-21.20	-33.91
2462MHz	Pass	2.9G	7.5G	PK	7.2539G	5.01	-62.07	-59.76	-57.75	-52.74	-21.20	-31.54
2462MHz	Pass	7.5G	25G	PK	15.75344G	5.01	-54.91	-56.49	-52.62	-47.61	-21.20	-26.41

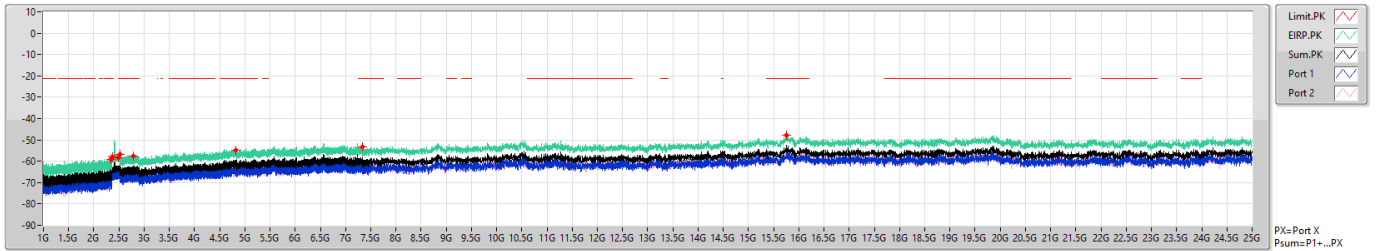
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE [PK]

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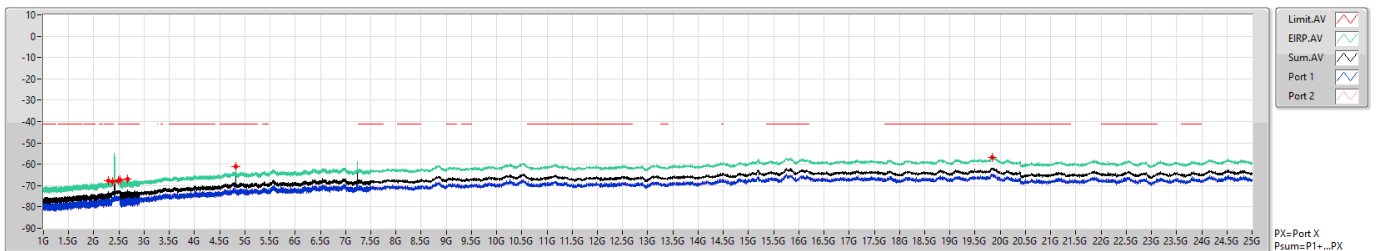
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.34657G	-59.13	-21.20	-37.93	5.01	0.00	-64.14	-65.86	-69.00
2.36G	2.4G	1M	PK	2.37896G	-57.94	-21.20	-36.74	5.01	0.00	-62.95	-65.27	-66.79
2.4G	2.4835G	1M	PK	2.4835G	-58.20	-21.20	-37.00	5.01	0.00	-63.21	-65.65	-66.87
2.4835G	2.5235G	1M	PK	2.52062G	-56.98	-21.20	-35.78	5.01	0.00	-61.99	-65.10	-64.91
2.5235G	2.9G	1M	PK	2.79053G	-57.39	-21.20	-36.19	5.01	0.00	-62.40	-65.35	-65.47
2.9G	7.5G	1M	PK	4.82395G	-54.69	-21.20	-33.49	5.01	0.00	-59.70	-60.92	-65.83
2.9G	7.5G	1M	PK	7.3387G	-53.11	-21.20	-31.91	5.01	0.00	-58.12	-60.83	-61.45
7.5G	25G	1M	PK	15.73781G	-47.67	-21.20	-26.47	5.01	0.00	-52.68	-55.07	-56.42

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE [AV]

27/07/2021

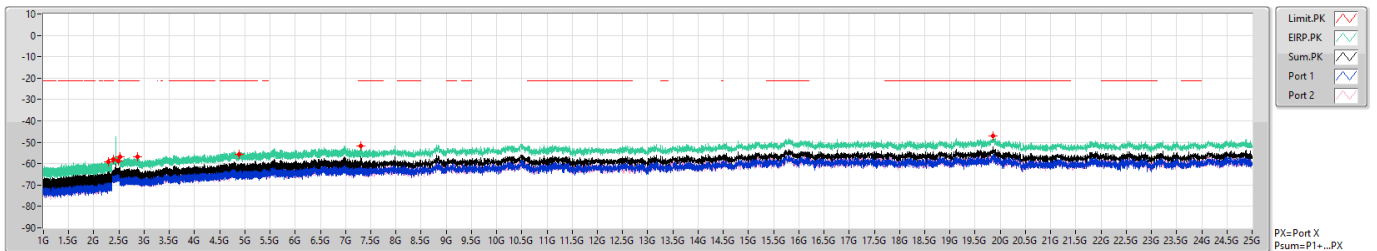


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.28639G	-67.92	-41.20	-26.72	5.01	0.00	-72.93	-76.16	-75.73
2.36G	2.4G	1M	AV	2.37176G	-67.94	-41.20	-26.74	5.01	0.00	-72.95	-76.01	-75.91
2.4G	2.4835G	1M	AV	2.4835G	-67.81	-41.20	-26.61	5.01	0.00	-72.82	-76.23	-75.46
2.4835G	2.5235G	1M	AV	2.51742G	-67.27	-41.20	-26.07	5.01	0.00	-72.28	-74.85	-75.78
2.5235G	2.9G	1M	AV	2.6693G	-67.14	-41.20	-25.94	5.01	0.00	-72.15	-76.32	-74.24
2.9G	7.5G	1M	AV	4.82395G	-60.96	-41.20	-19.76	5.01	0.00	-65.97	-66.97	-72.82
7.5G	25G	1M	AV	19.8375G	-56.77	-41.20	-15.57	5.01	0.00	-61.78	-64.94	-64.64

802.11b_Nss1,(1Mbps)_2TX 2437MHz

CSE [PK]

27/07/2021

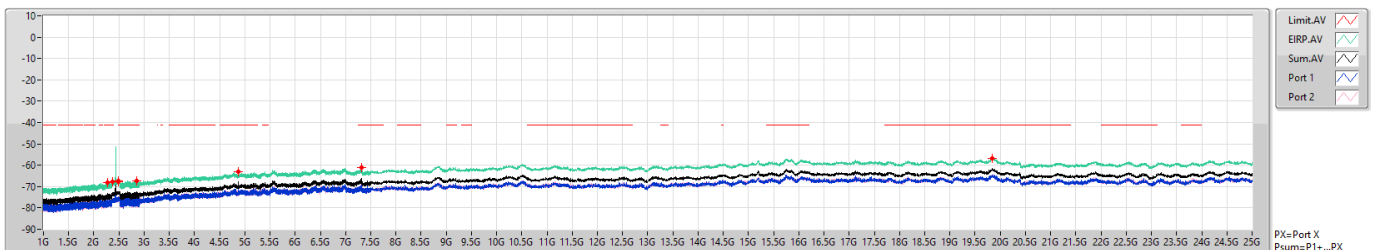


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.29557G	-58.97	-21.20	-37.77	5.01	0.00	-63.98	-67.11	-66.88
2.36G	2.4G	1M	PK	2.38112G	-57.91	-21.20	-36.71	5.01	0.00	-62.92	-66.59	-65.35
2.4G	2.4835G	1M	PK	2.4835G	-58.79	-21.20	-37.59	5.01	0.00	-63.80	-66.76	-66.86
2.4835G	2.5235G	1M	PK	2.51614G	-56.79	-21.20	-35.59	5.01	0.00	-61.80	-64.89	-64.74
2.5235G	2.9G	1M	PK	2.86875G	-56.75	-21.20	-35.55	5.01	0.00	-61.76	-66.24	-63.68
2.9G	7.5G	1M	PK	4.88088G	-55.74	-21.20	-34.54	5.01	0.00	-60.75	-64.29	-63.28
2.9G	7.5G	1M	PK	7.29645G	-51.90	-21.20	-30.70	5.01	0.00	-56.91	-62.80	-58.20
7.5G	25G	1M	PK	19.84844G	-46.91	-21.20	-25.71	5.01	0.00	-51.92	-55.41	-54.49

802.11b_Nss1,(1Mbps)_2TX 2437MHz

CSE [AV]

27/07/2021

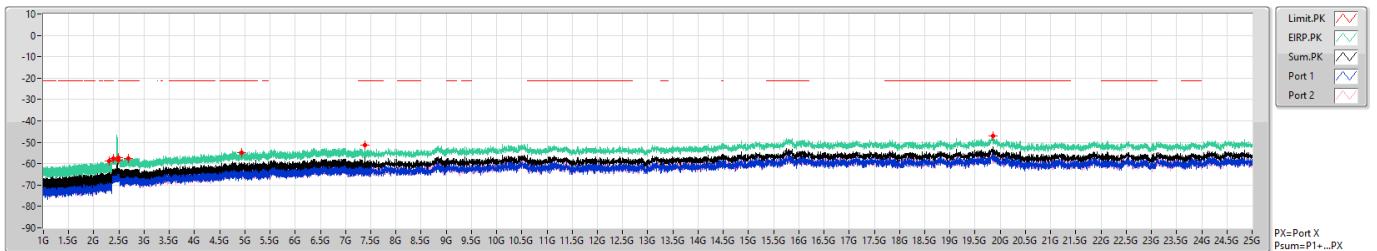


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.26599G	-68.32	-41.20	-27.12	5.01	0.00	-73.33	-75.48	-77.42
2.36G	2.4G	1M	AV	2.36984G	-67.82	-41.20	-26.62	5.01	0.00	-72.83	-75.87	-75.82
2.4G	2.4835G	1M	AV	2.4835G	-67.81	-41.20	-26.61	5.01	0.00	-72.82	-76.14	-75.54
2.4835G	2.5235G	1M	AV	2.49622G	-67.37	-41.20	-26.17	5.01	0.00	-72.38	-74.70	-76.22
2.5235G	2.9G	1M	AV	2.84625G	-67.42	-41.20	-26.22	5.01	0.00	-72.43	-75.77	-75.13
2.9G	7.5G	1M	AV	4.87398G	-62.86	-41.20	-21.66	5.01	0.00	-67.87	-69.54	-72.82
2.9G	7.5G	1M	AV	7.31025G	-61.14	-41.20	-19.94	5.01	0.00	-66.15	-70.42	-68.18
7.5G	25G	1M	AV	19.8375G	-56.61	-41.20	-15.41	5.01	0.00	-61.62	-64.61	-64.66

802.11b_Nss1,(1Mbps)_2TX 2462MHz

CSE [PK]

27/07/2021

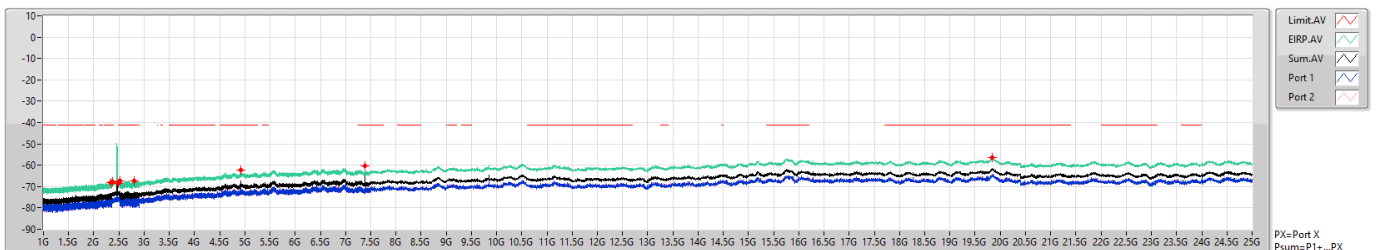


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.29965G	-58.68	-21.20	-37.48	5.01	0.00	-63.69	-66.42	-67.01
2.36G	2.4G	1M	PK	2.38768G	-57.45	-21.20	-36.25	5.01	0.00	-62.46	-66.85	-64.43
2.4G	2.4835G	1M	PK	2.4835G	-58.32	-21.20	-37.12	5.01	0.00	-63.33	-65.16	-67.97
2.4835G	2.5235G	1M	PK	2.49398G	-57.09	-21.20	-35.89	5.01	0.00	-62.10	-63.87	-66.85
2.5235G	2.9G	1M	PK	2.68652G	-57.49	-21.20	-36.29	5.01	0.00	-62.50	-66.46	-64.73
2.9G	7.5G	1M	PK	4.9286G	-55.00	-21.20	-33.80	5.01	0.00	-60.01	-62.04	-64.29
2.9G	7.5G	1M	PK	7.385G	-51.43	-21.20	-30.23	5.01	0.00	-56.44	-62.30	-57.74
7.5G	25G	1M	PK	19.86156G	-47.17	-21.20	-25.97	5.01	0.00	-52.18	-56.42	-54.24

802.11b_Nss1,(1Mbps)_2TX 2462MHz

CSE [AV]

27/07/2021

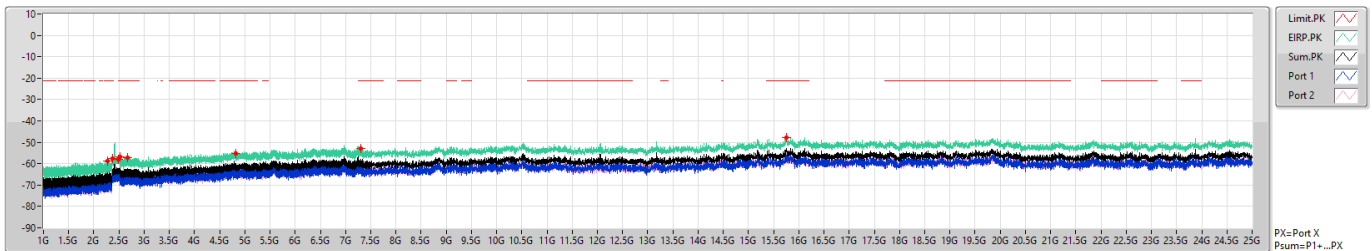


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.34028G	-68.17	-41.20	-26.97	5.01	0.00	-73.18	-76.58	-75.83
2.36G	2.4G	1M	AV	2.37216G	-67.82	-41.20	-26.62	5.01	0.00	-72.83	-75.78	-75.91
2.4G	2.4835G	1M	AV	2.4835G	-68.34	-41.20	-27.14	5.01	0.00	-73.35	-76.23	-76.50
2.4835G	2.5235G	1M	AV	2.51694G	-67.24	-41.20	-26.04	5.01	0.00	-72.25	-75.01	-75.52
2.5235G	2.9G	1M	AV	2.80343G	-67.45	-41.20	-26.25	5.01	0.00	-72.46	-74.80	-76.27
2.9G	7.5G	1M	AV	4.924G	-62.31	-41.20	-21.11	5.01	0.00	-67.32	-68.79	-72.73
2.9G	7.5G	1M	AV	7.38443G	-60.18	-41.20	-18.98	5.01	0.00	-65.19	-71.89	-66.23
7.5G	25G	1M	AV	19.83531G	-56.34	-41.20	-15.14	5.01	0.00	-61.35	-65.11	-63.72

802.11g_Nss1,(6Mbps)_2TX 2412MHz

CSE [PK]

27/07/2021

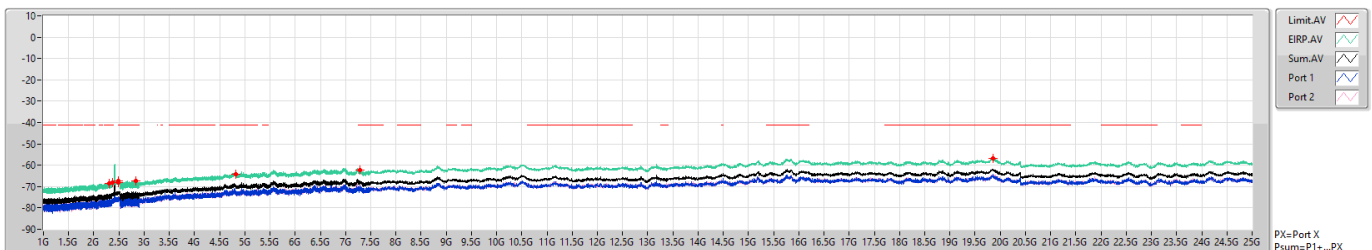


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.28078G	-58.61	-21.20	-37.41	5.01	0.00	-63.62	-69.27	-65.00
2.36G	2.4G	1M	PK	2.37216G	-57.51	-21.20	-36.31	5.01	0.00	-62.52	-65.09	-66.03
2.4G	2.4835G	1M	PK	2.4835G	-58.06	-21.20	-36.86	5.01	0.00	-63.07	-65.51	-66.74
2.4835G	2.5235G	1M	PK	2.5191G	-56.81	-21.20	-35.61	5.01	0.00	-61.82	-64.31	-65.43
2.5235G	2.9G	1M	PK	2.67071G	-57.32	-21.20	-36.12	5.01	0.00	-62.33	-64.10	-67.09
2.9G	7.5G	1M	PK	4.81878G	-55.12	-21.20	-33.92	5.01	0.00	-60.13	-64.10	-62.35
2.9G	7.5G	1M	PK	7.3088G	-52.80	-21.20	-31.60	5.01	0.00	-57.81	-61.26	-60.42
7.5G	25G	1M	PK	15.76G	-47.88	-21.20	-26.68	5.01	0.00	-52.89	-56.09	-55.71

802.11g_Nss1,(6Mbps)_2TX 2412MHz

CSE [AV]

27/07/2021

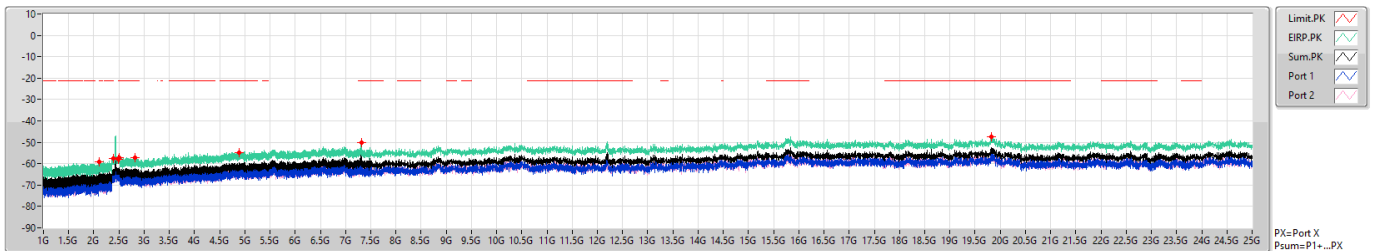


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.31257G	-68.50	-41.20	-27.30	5.01	0.00	-73.51	-75.86	-77.30
2.36G	2.4G	1M	AV	2.37888G	-68.04	-41.20	-26.84	5.01	0.00	-73.05	-76.08	-76.05
2.4G	2.4835G	1M	AV	2.4835G	-68.04	-41.20	-26.84	5.01	0.00	-73.05	-75.86	-76.27
2.4835G	2.5235G	1M	AV	2.48502G	-67.32	-41.20	-26.12	5.01	0.00	-72.33	-75.63	-75.06
2.5235G	2.9G	1M	AV	2.83562G	-67.28	-41.20	-26.08	5.01	0.00	-72.29	-75.14	-75.46
2.9G	7.5G	1M	AV	4.8159G	-64.12	-41.20	-22.92	5.01	0.00	-69.13	-72.15	-72.14
2.9G	7.5G	1M	AV	7.28955G	-62.23	-41.20	-21.03	5.01	0.00	-67.24	-71.37	-69.36
7.5G	25G	1M	AV	19.83281G	-56.84	-41.20	-15.64	5.01	0.00	-61.85	-64.41	-65.37

802.11g_Nss1,(6Mbps)_2TX 2437MHz

CSE [PK]

27/07/2021

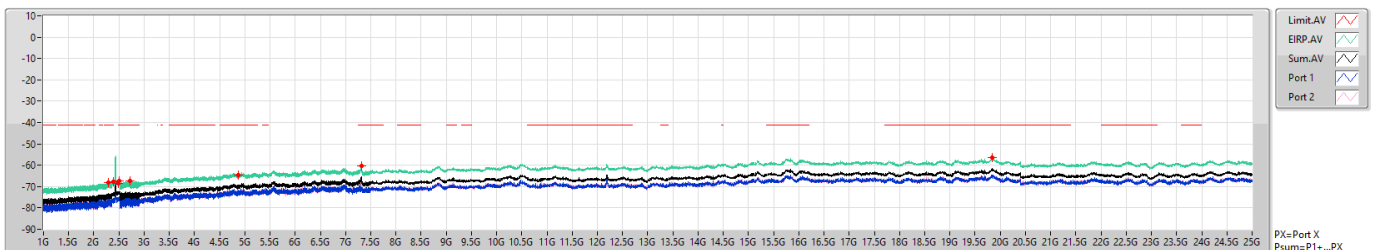


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.11197G	-59.25	-21.20	-38.05	5.01	0.00	-64.26	-66.18	-68.72
2.36G	2.4G	1M	PK	2.3884G	-57.74	-21.20	-36.54	5.01	0.00	-62.75	-64.45	-67.66
2.4G	2.4835G	1M	PK	2.4835G	-58.16	-21.20	-36.96	5.01	0.00	-63.17	-66.19	-66.18
2.4835G	2.5235G	1M	PK	2.50518G	-57.03	-21.20	-35.83	5.01	0.00	-62.04	-65.57	-64.59
2.5235G	2.9G	1M	PK	2.81472G	-57.28	-21.20	-36.08	5.01	0.00	-62.29	-65.64	-64.98
2.9G	7.5G	1M	PK	4.88145G	-54.78	-21.20	-33.58	5.01	0.00	-59.79	-66.49	-60.83
2.9G	7.5G	1M	PK	7.31198G	-50.34	-21.20	-29.14	5.01	0.00	-55.35	-63.95	-56.00
7.5G	25G	1M	PK	19.82879G	-47.48	-21.20	-26.28	5.01	0.00	-52.49	-55.83	-55.19

802.11g_Nss1,(6Mbps)_2TX 2437MHz

CSE [AV]

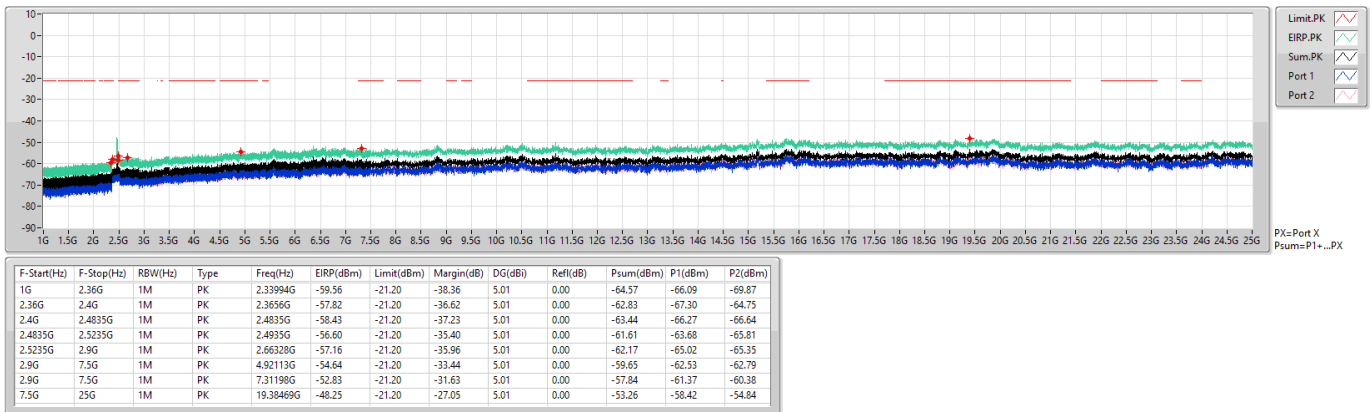
27/07/2021



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.29574G	-68.31	-41.20	-27.11	5.01	0.00	-73.32	-76.68	-76.01
2.36G	2.4G	1M	AV	2.38248G	-67.72	-41.20	-26.52	5.01	0.00	-72.73	-75.99	-75.50
2.4G	2.4835G	1M	AV	2.4835G	-68.50	-41.20	-27.30	5.01	0.00	-73.51	-76.85	-76.22
2.4835G	2.5235G	1M	AV	2.49878G	-67.32	-41.20	-26.12	5.01	0.00	-72.33	-75.30	-75.38
2.5235G	2.9G	1M	AV	2.71721G	-67.53	-41.20	-26.33	5.01	0.00	-72.54	-76.23	-74.96
2.9G	7.5G	1M	AV	4.87885G	-64.55	-41.20	-23.35	5.01	0.00	-69.56	-71.76	-73.56
2.9G	7.5G	1M	AV	7.3114G	-60.34	-41.20	-19.14	5.01	0.00	-65.35	-70.63	-66.88
7.5G	25G	1M	AV	19.84406G	-56.60	-41.20	-15.40	5.01	0.00	-61.61	-64.51	-64.73

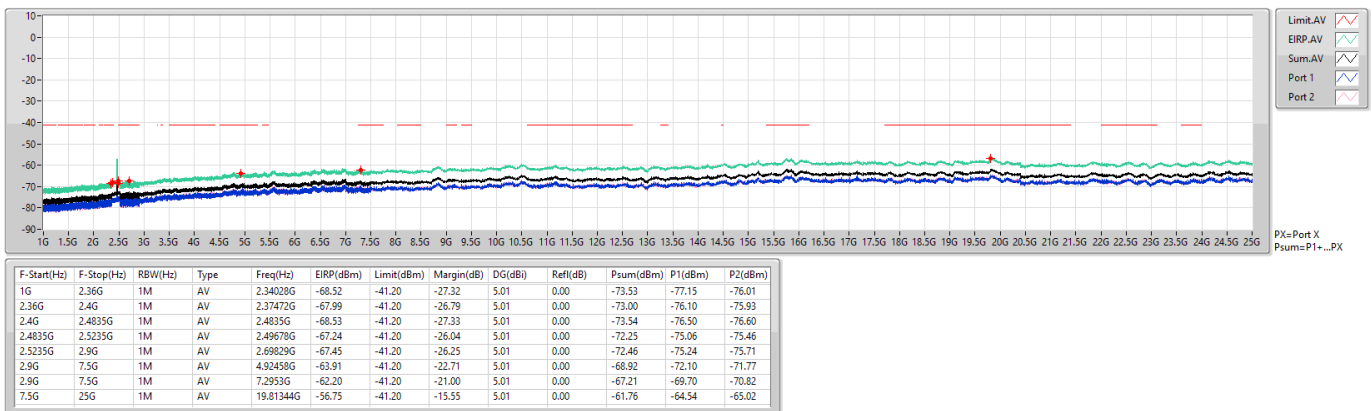
802.11g_Nss1,(6Mbps)_2TX 2462MHz

CSE [PK]



802.11g_Nss1,(6Mbps)_2TX 2462MHz

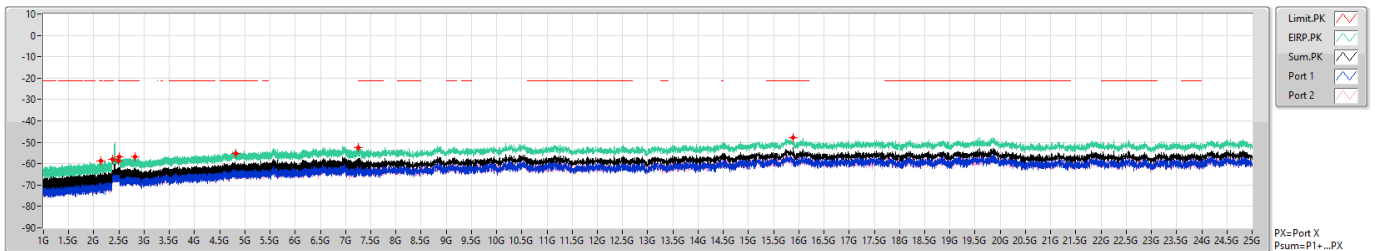
CSE [AV]



802.11ax HEW20_Nss1,(MCS0)_2TX
2412MHz

CSE [PK]

27/07/2021

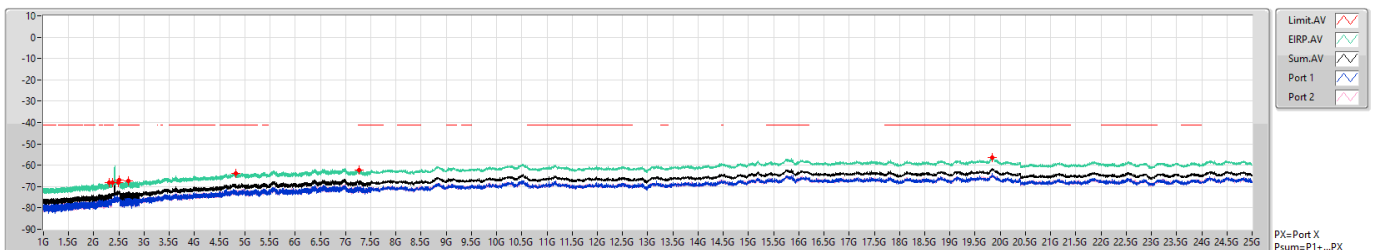


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.14087G	-58.89	-21.20	-37.69	5.01	0.00	-63.90	-68.41	-65.79
2.36G	2.4G	1M	PK	2.37528G	-57.99	-21.20	-36.79	5.01	0.00	-63.00	-65.90	-66.13
2.4G	2.4835G	1M	PK	2.4835G	-58.64	-21.20	-37.44	5.01	0.00	-63.65	-67.28	-66.12
2.4835G	2.5235G	1M	PK	2.5083G	-56.69	-21.20	-35.49	5.01	0.00	-61.70	-63.56	-66.28
2.5235G	2.9G	1M	PK	2.82611G	-56.94	-21.20	-35.74	5.01	0.00	-61.95	-63.54	-67.08
2.9G	7.5G	1M	PK	4.81935G	-55.27	-21.20	-34.07	5.01	0.00	-60.28	-63.09	-63.49
2.9G	7.5G	1M	PK	7.2516G	-52.38	-21.20	-31.18	5.01	0.00	-57.39	-61.81	-59.34
7.5G	25G	1M	PK	15.89344G	-47.66	-21.20	-26.46	5.01	0.00	-52.67	-57.81	-54.26

802.11ax HEW20_Nss1,(MCS0)_2TX
2412MHz

CSE [AV]

27/07/2021

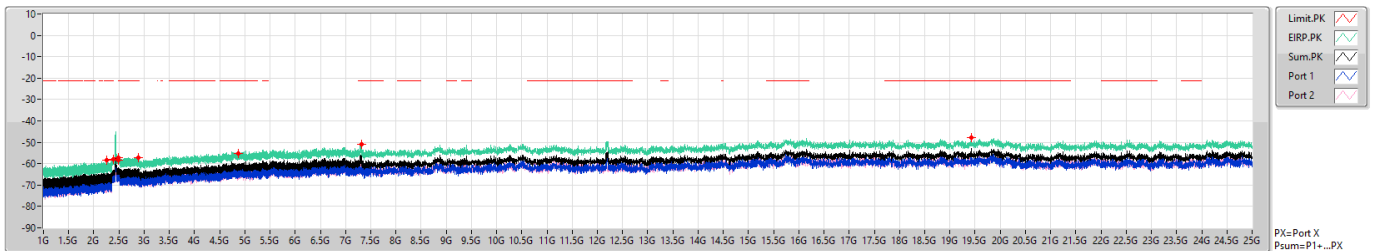


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.31002G	-68.29	-41.20	-27.09	5.01	0.00	-73.30	-77.00	-75.71
2.36G	2.4G	1M	AV	2.37952G	-68.00	-41.20	-26.80	5.01	0.00	-73.01	-76.04	-76.01
2.4G	2.4835G	1M	AV	2.4835G	-68.05	-41.20	-26.85	5.01	0.00	-73.06	-76.42	-75.75
2.4835G	2.5235G	1M	AV	2.5007G	-67.04	-41.20	-25.84	5.01	0.00	-72.05	-75.38	-74.77
2.5235G	2.9G	1M	AV	2.69424G	-67.38	-41.20	-26.18	5.01	0.00	-72.39	-75.95	-74.91
2.9G	7.5G	1M	AV	4.8251G	-63.84	-41.20	-22.64	5.01	0.00	-68.85	-72.15	-71.59
2.9G	7.5G	1M	AV	7.27G	-62.26	-41.20	-21.06	5.01	0.00	-67.27	-70.31	-70.25
7.5G	25G	1M	AV	19.83331G	-56.40	-41.20	-15.20	5.01	0.00	-61.41	-63.95	-64.94

802.11ax HEW20_Nss1,(MCS0)_2TX 2437MHz

CSE [PK]

27/07/2021

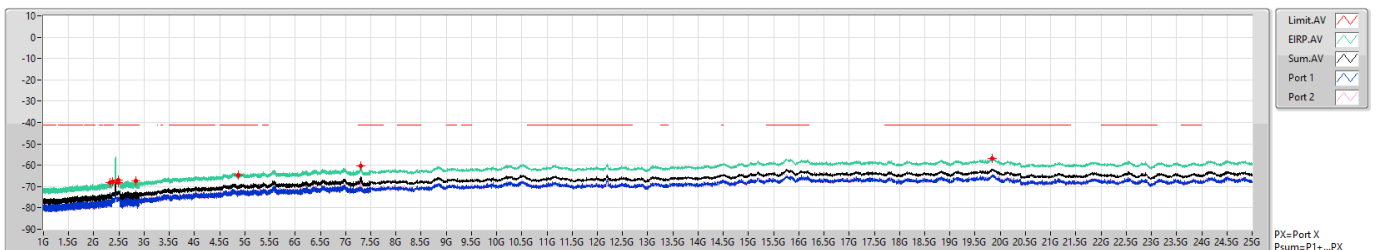


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.2563G	-58.31	-21.20	-37.11	5.01	0.00	-63.32	-67.27	-65.56
2.36G	2.4G	1M	PK	2.38256G	-58.00	-21.20	-36.80	5.01	0.00	-63.01	-67.39	-64.98
2.4G	2.4835G	1M	PK	2.4835G	-58.51	-21.20	-37.31	5.01	0.00	-63.52	-66.41	-66.66
2.4835G	2.5235G	1M	PK	2.49094G	-57.04	-21.20	-35.84	5.01	0.00	-62.05	-65.05	-65.08
2.5235G	2.9G	1M	PK	2.89209G	-57.14	-21.20	-35.94	5.01	0.00	-62.15	-65.53	-64.82
2.9G	7.5G	1M	PK	4.8711G	-55.33	-21.20	-34.13	5.01	0.00	-60.34	-62.53	-64.35
2.9G	7.5G	1M	PK	7.31543G	-51.07	-21.20	-29.87	5.01	0.00	-56.08	-63.66	-56.91
7.5G	25G	1M	PK	19.41969G	-47.85	-21.20	-26.65	5.01	0.00	-52.86	-56.35	-55.44

802.11ax HEW20_Nss1,(MCS0)_2TX 2437MHz

CSE [AV]

27/07/2021

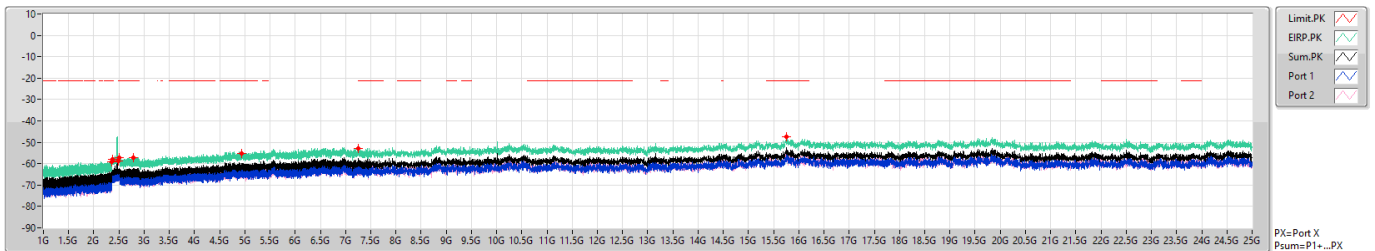


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.31971G	-67.95	-41.20	-26.75	5.01	0.00	-72.96	-75.84	-76.10
2.36G	2.4G	1M	AV	2.37512G	-67.92	-41.20	-26.72	5.01	0.00	-72.93	-75.14	-76.93
2.4G	2.4835G	1M	AV	2.4835G	-68.21	-41.20	-27.01	5.01	0.00	-73.22	-75.96	-76.52
2.4835G	2.5235G	1M	AV	2.4943G	-67.03	-41.20	-25.83	5.01	0.00	-72.04	-75.91	-74.33
2.5235G	2.9G	1M	AV	2.84324G	-67.15	-41.20	-25.95	5.01	0.00	-72.16	-76.22	-74.32
2.9G	7.5G	1M	AV	4.87398G	-64.52	-41.20	-23.32	5.01	0.00	-69.53	-72.53	-72.56
2.9G	7.5G	1M	AV	7.30853G	-60.42	-41.20	-19.22	5.01	0.00	-65.43	-70.84	-66.91
7.5G	25G	1M	AV	19.84629G	-56.71	-41.20	-15.51	5.01	0.00	-61.72	-65.12	-64.37

802.11ax HEW20_Nss1,(MCS0)_2TX
2462MHz

CSE [PK]

27/07/2021

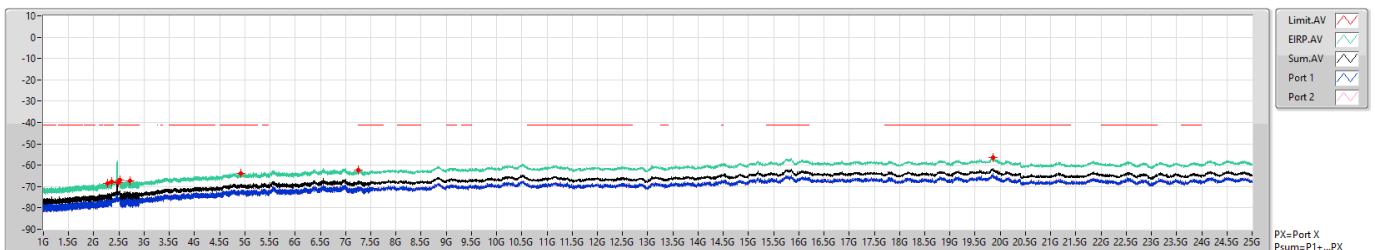


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35133G	-58.97	-21.20	-37.77	5.01	0.00	-63.98	-68.12	-66.10
2.36G	2.4G	1M	PK	2.36856G	-58.01	-21.20	-36.81	5.01	0.00	-63.02	-66.18	-65.89
2.4G	2.4835G	1M	PK	2.4835G	-58.80	-21.20	-37.60	5.01	0.00	-63.81	-66.96	-66.68
2.4835G	2.5235G	1M	PK	2.50838G	-57.24	-21.20	-36.04	5.01	0.00	-62.25	-64.98	-65.55
2.5235G	2.9G	1M	PK	2.77839G	-57.07	-21.20	-35.87	5.01	0.00	-62.08	-64.64	-65.60
2.9G	7.5G	1M	PK	4.9309G	-55.11	-21.20	-33.91	5.01	0.00	-60.12	-64.41	-62.15
2.9G	7.5G	1M	PK	7.2539G	-52.74	-21.20	-31.54	5.01	0.00	-57.75	-62.07	-59.76
7.5G	25G	1M	PK	15.75344G	-47.61	-21.20	-26.41	5.01	0.00	-52.62	-54.91	-56.49

802.11ax HEW20_Nss1,(MCS0)_2TX
2462MHz

CSE [AV]

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F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.27959G	-68.36	-41.20	-27.16	5.01	0.00	-73.37	-75.67	-77.22
2.36G	2.4G	1M	AV	2.36056G	-67.89	-41.20	-26.69	5.01	0.00	-72.90	-76.88	-75.11
2.4G	2.4835G	1M	AV	2.4835G	-68.24	-41.20	-27.04	5.01	0.00	-73.25	-76.37	-76.16
2.4835G	2.5235G	1M	AV	2.51486G	-67.14	-41.20	-25.94	5.01	0.00	-72.15	-75.82	-74.59
2.5235G	2.9G	1M	AV	2.71335G	-67.41	-41.20	-26.21	5.01	0.00	-72.42	-75.62	-75.24
2.9G	7.5G	1M	AV	4.92573G	-63.99	-41.20	-22.79	5.01	0.00	-69.00	-72.30	-71.74
2.9G	7.5G	1M	AV	7.25103G	-62.33	-41.20	-21.13	5.01	0.00	-67.34	-70.07	-70.66
7.5G	25G	1M	AV	19.85281G	-56.34	-41.20	-15.14	5.01	0.00	-61.35	-63.83	-64.97

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.4835G	2.5235G	PK	2.48366G	2.00	-24.71	-32.88	-24.09	-22.09	-21.20	-0.89

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

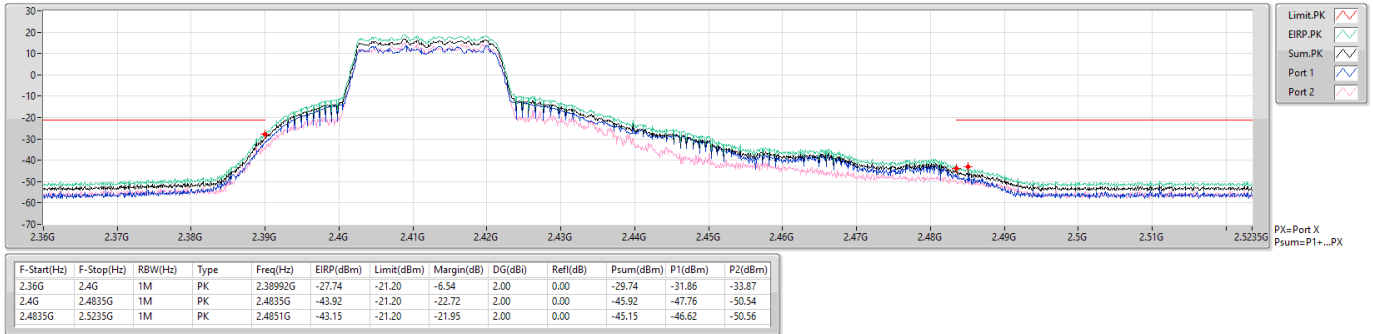
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss2 (MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.4G	AV	2.39G	2.00	-49.47	-48.61	-46.01	-44.01	-41.20	-2.81
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	2.00	-59.04	-60.25	-56.59	-54.59	-41.20	-13.39
2412MHz	Pass	2.4835G	2.5235G	AV	2.4839G	2.00	-58.67	-59.17	-55.90	-53.90	-41.20	-12.70
2412MHz	Pass	2.36G	2.4G	PK	2.38992G	2.00	-31.86	-33.87	-29.74	-27.74	-21.20	-6.54
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	2.00	-47.76	-50.54	-45.92	-43.92	-21.20	-22.72
2412MHz	Pass	2.4835G	2.5235G	PK	2.4851G	2.00	-46.62	-50.56	-45.15	-43.15	-21.20	-21.95
2462MHz	Pass	2.36G	2.4G	AV	2.39G	2.00	-64.37	-63.38	-60.84	-58.84	-41.20	-17.64
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	2.00	-50.32	-46.52	-45.01	-43.01	-41.20	-1.81
2462MHz	Pass	2.4835G	2.5235G	AV	2.4835G	2.00	-51.23	-45.64	-44.58	-42.58	-41.20	-1.38
2462MHz	Pass	2.36G	2.4G	PK	2.38984G	2.00	-55.58	-54.30	-51.88	-49.88	-21.20	-28.68
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	2.00	-24.98	-33.47	-24.40	-22.40	-21.20	-1.20
2462MHz	Pass	2.4835G	2.5235G	PK	2.48366G	2.00	-24.71	-32.88	-24.09	-22.09	-21.20	-0.89

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz

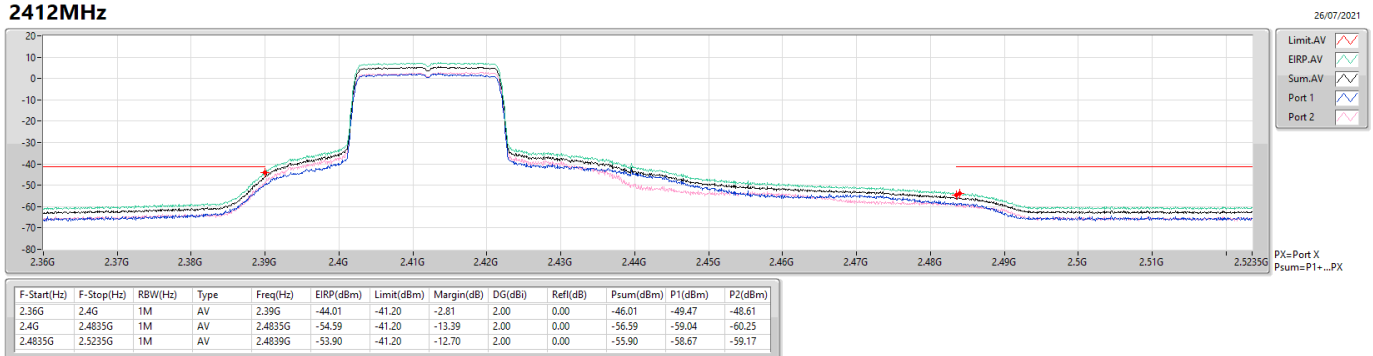
CSE [PK]



802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz

CSE [AV]

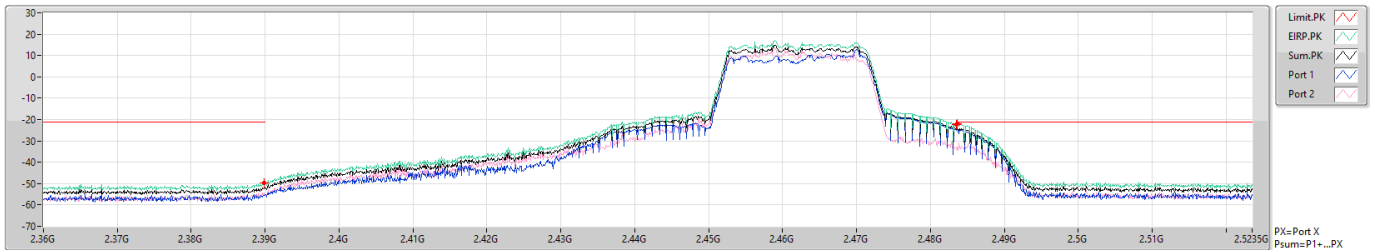


802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz

CSE [PK]

26/07/2021



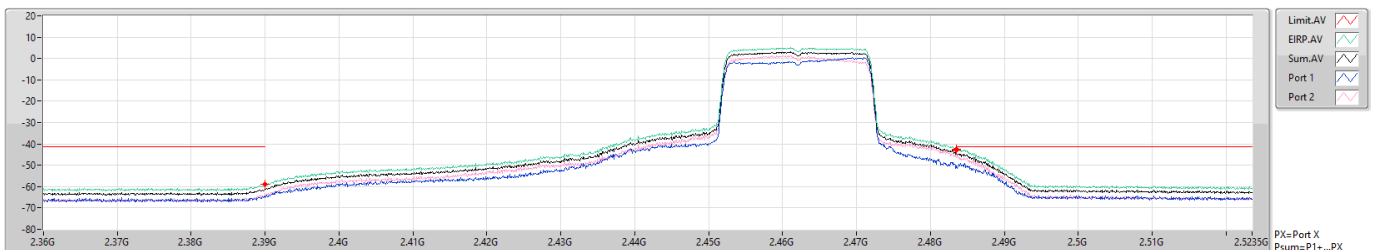
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	PK	2.38994G	-49.88	-21.20	-28.68	2.00	0.00	-51.88	-55.58	-54.30
2.4G	2.4835G	1M	PK	2.4835G	-22.40	-21.20	-1.20	2.00	0.00	-24.40	-24.98	-33.47
2.4835G	2.5235G	1M	PK	2.48366G	-22.09	-21.20	-0.89	2.00	0.00	-24.09	-24.71	-32.88

802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz

CSE [AV]

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F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.36G	2.4G	1M	AV	2.39G	-58.84	-41.20	-17.64	2.00	0.00	-60.84	-64.37	-63.38
2.4G	2.4835G	1M	AV	2.4835G	-43.01	-41.20	-1.81	2.00	0.00	-45.01	-50.32	-46.52
2.4835G	2.5235G	1M	AV	2.4835G	-42.58	-41.20	-1.38	2.00	0.00	-44.58	-51.23	-45.64

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	7.5G	26G	AV	19.82875G	2.00	-64.69	-64.74	-61.70	-59.70	-41.20	-18.50

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss2.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.31954G	2.00	-76.61	-75.82	-73.19	-71.19	-41.20	-29.99
2412MHz	Pass	2.36G	2.4G	AV	2.37488G	2.00	-75.83	-76.01	-72.91	-70.91	-41.20	-29.71
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	2.00	-76.07	-76.71	-73.37	-71.37	-41.20	-30.17
2412MHz	Pass	2.4835G	2.5235G	AV	2.4883G	2.00	-75.25	-75.14	-72.18	-70.18	-41.20	-28.98
2412MHz	Pass	2.5235G	2.9G	AV	2.71523G	2.00	-76.00	-74.98	-72.45	-70.45	-41.20	-29.25
2412MHz	Pass	2.9G	7.5G	AV	4.82223G	2.00	-71.96	-72.78	-69.34	-67.34	-41.20	-26.14
2412MHz	Pass	2.9G	7.5G	AV	7.27805G	2.00	-69.90	-70.94	-67.38	-65.38	-41.20	-24.18
2412MHz	Pass	7.5G	25G	AV	19.82875G	2.00	-64.69	-64.74	-61.70	-59.70	-41.20	-18.50
2412MHz	Pass	1G	2.36G	PK	1.77503G	2.00	-65.70	-67.55	-63.52	-61.52	-21.20	-40.32
2412MHz	Pass	2.36G	2.4G	PK	2.38576G	2.00	-64.84	-66.99	-62.77	-60.77	-21.20	-39.57
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	2.00	-67.61	-66.53	-64.03	-62.03	-21.20	-40.83
2412MHz	Pass	2.4835G	2.5235G	PK	2.51534G	2.00	-66.88	-63.52	-61.87	-59.87	-21.20	-38.67
2412MHz	Pass	2.5235G	2.9G	PK	2.62487G	2.00	-66.30	-64.19	-62.11	-60.11	-21.20	-38.91
2412MHz	Pass	2.9G	7.5G	PK	4.8228G	2.00	-62.76	-63.59	-60.14	-58.14	-21.20	-36.94
2412MHz	Pass	2.9G	7.5G	PK	7.28495G	2.00	-61.74	-59.65	-57.56	-55.56	-21.20	-34.36
2412MHz	Pass	7.5G	25G	PK	18.85094G	2.00	-54.18	-59.54	-53.07	-51.07	-21.20	-29.87
2462MHz	Pass	1G	2.36G	AV	2.33841G	2.00	-76.60	-76.47	-73.52	-71.52	-41.20	-30.32
2462MHz	Pass	2.36G	2.4G	AV	2.3816G	2.00	-75.74	-76.14	-72.93	-70.93	-41.20	-29.73
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	2.00	-76.35	-76.22	-73.27	-71.27	-41.20	-30.07
2462MHz	Pass	2.4835G	2.5235G	AV	2.5115G	2.00	-75.08	-75.17	-72.11	-70.11	-41.20	-28.91
2462MHz	Pass	2.5235G	2.9G	AV	2.64389G	2.00	-76.65	-74.46	-72.41	-70.41	-41.20	-29.21
2462MHz	Pass	2.9G	7.5G	AV	4.92343G	2.00	-71.93	-72.01	-68.96	-66.96	-41.20	-25.76
2462MHz	Pass	2.9G	7.5G	AV	7.2907G	2.00	-70.46	-70.10	-67.27	-65.27	-41.20	-24.07
2462MHz	Pass	7.5G	25G	AV	19.83313G	2.00	-64.57	-64.92	-61.73	-59.73	-41.20	-18.53
2462MHz	Pass	1G	2.36G	PK	2.14172G	2.00	-66.20	-68.21	-64.08	-62.08	-21.20	-40.88
2462MHz	Pass	2.36G	2.4G	PK	2.37264G	2.00	-66.07	-66.20	-63.12	-61.12	-21.20	-39.92
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	2.00	-67.57	-67.04	-64.29	-62.29	-21.20	-41.09
2462MHz	Pass	2.4835G	2.5235G	PK	2.48942G	2.00	-64.66	-65.52	-62.06	-60.06	-21.20	-38.86
2462MHz	Pass	2.5235G	2.9G	PK	2.66902G	2.00	-65.59	-64.89	-62.22	-60.22	-21.20	-39.02
2462MHz	Pass	2.9G	7.5G	PK	4.9194G	2.00	-64.00	-61.83	-59.77	-57.77	-21.20	-36.57
2462MHz	Pass	2.9G	7.5G	PK	7.4563G	2.00	-63.69	-59.39	-58.02	-56.02	-21.20	-34.82
2462MHz	Pass	7.5G	25G	PK	15.77969G	2.00	-54.74	-56.38	-52.47	-50.47	-21.20	-29.27

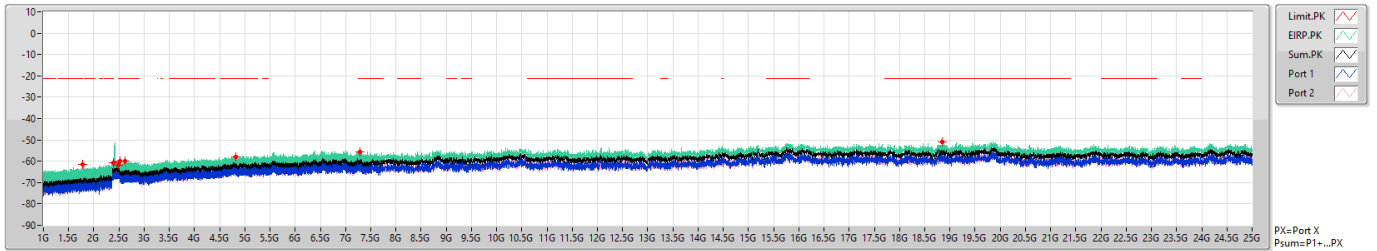
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz

CSE [PK]

27/07/2021



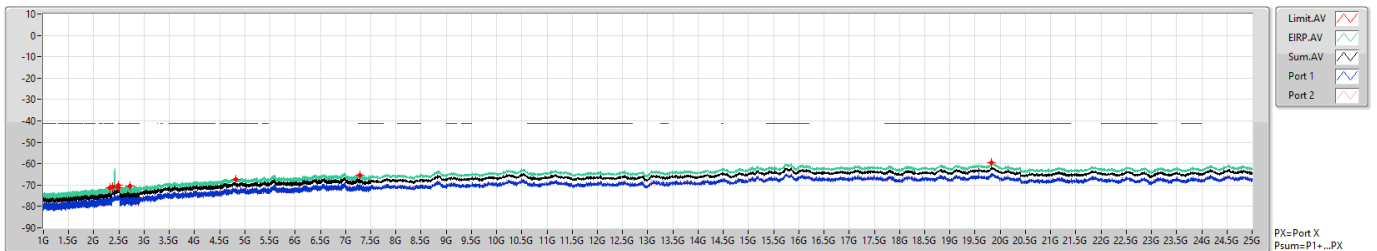
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	1.77503G	-61.52	-21.20	-40.32	2.00	0.00	-63.52	-65.70	-67.55
2.36G	2.4G	1M	PK	2.38576G	-60.77	-21.20	-39.57	2.00	0.00	-62.77	-64.84	-66.99
2.4G	2.4835G	1M	PK	2.4835G	-62.03	-21.20	-40.83	2.00	0.00	-64.03	-67.61	-66.53
2.4835G	2.5235G	1M	PK	2.51534G	-59.87	-21.20	-38.67	2.00	0.00	-61.87	-66.88	-63.52
2.5235G	2.9G	1M	PK	2.62487G	-60.11	-21.20	-38.91	2.00	0.00	-62.11	-66.30	-64.19
2.9G	7.5G	1M	PK	4.8228G	-58.14	-21.20	-36.94	2.00	0.00	-60.14	-62.76	-63.59
3.9G	7.5G	1M	PK	7.28495G	-55.56	-21.20	-34.36	2.00	0.00	-57.56	-61.74	-59.65
7.5G	25G	1M	PK	18.85094G	-51.07	-21.20	-29.87	2.00	0.00	-53.07	-54.18	-59.54

802.11ax HEW20_Nss2,(MCS0)_2TX

2412MHz

CSE [AV]

27/07/2021



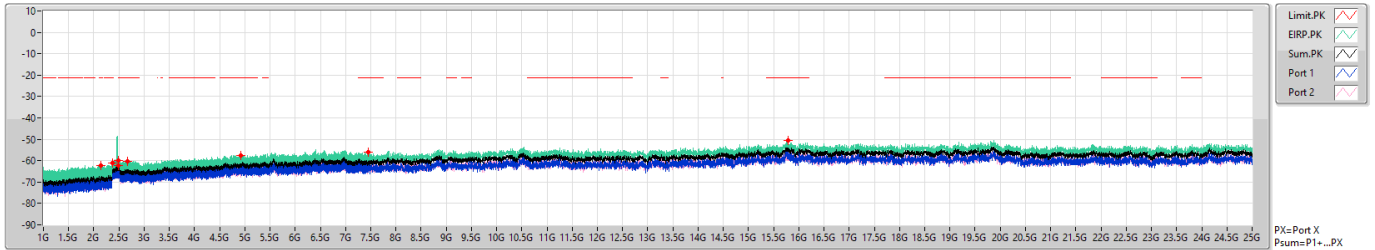
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.31954G	-71.19	-41.20	-29.99	2.00	0.00	-73.19	-76.61	-75.82
2.36G	2.4G	1M	AV	2.37488G	-70.91	-41.20	-29.71	2.00	0.00	-72.91	-75.83	-76.01
2.4G	2.4835G	1M	AV	2.4835G	-71.37	-41.20	-30.17	2.00	0.00	-73.37	-76.07	-76.71
2.4835G	2.5235G	1M	AV	2.4883G	-70.18	-41.20	-28.98	2.00	0.00	-72.18	-75.25	-75.14
2.5235G	2.9G	1M	AV	2.71823G	-70.45	-41.20	-29.25	2.00	0.00	-72.45	-76.00	-74.98
2.9G	7.5G	1M	AV	4.82223G	-67.34	-41.20	-26.14	2.00	0.00	-69.34	-71.96	-72.78
3.9G	7.5G	1M	AV	7.27805G	-65.38	-41.20	-24.18	2.00	0.00	-67.38	-69.90	-70.94
7.5G	25G	1M	AV	18.82875G	-59.70	-41.20	-18.50	2.00	0.00	-61.70	-64.69	-64.74

802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz

CSE [PK]

27/07/2021



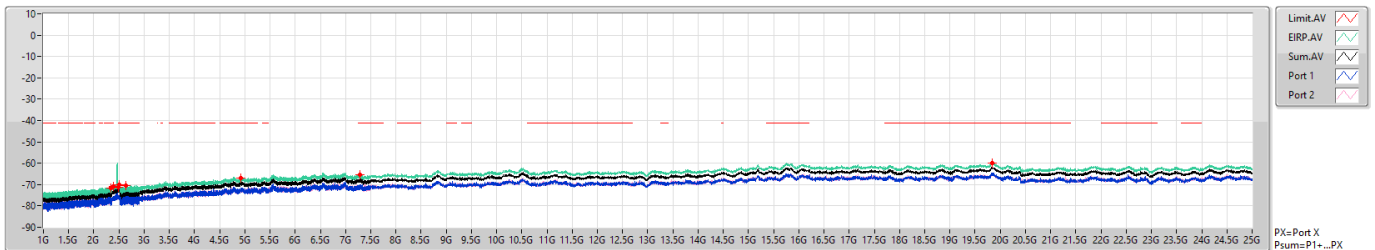
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1G	2.36G	1M	PK	2.14172G	-62.08	-21.20	-40.88	2.00	0.00	-64.08	-66.20	-68.21
2.36G	2.4G	1M	PK	2.37264G	-61.12	-21.20	-39.92	2.00	0.00	-63.12	-66.07	-66.20
2.4G	2.4835G	1M	PK	2.4835G	-62.29	-21.20	-41.09	2.00	0.00	-64.29	-67.57	-67.04
2.4835G	2.5235G	1M	PK	2.48942G	-60.06	-21.20	-38.86	2.00	0.00	-62.06	-64.66	-65.52
2.5235G	2.9G	1M	PK	2.66902G	-60.22	-21.20	-39.02	2.00	0.00	-62.22	-65.59	-64.89
2.9G	7.5G	1M	PK	4.9194G	-57.77	-21.20	-36.57	2.00	0.00	-59.77	-64.00	-61.83
2.9G	7.5G	1M	PK	7.4563G	-56.02	-21.20	-34.82	2.00	0.00	-58.02	-63.69	-59.39
7.5G	25G	1M	PK	15.77969G	-50.47	-21.20	-29.27	2.00	0.00	-52.47	-54.74	-56.38

802.11ax HEW20_Nss2,(MCS0)_2TX

2462MHz

CSE [AV]

27/07/2021



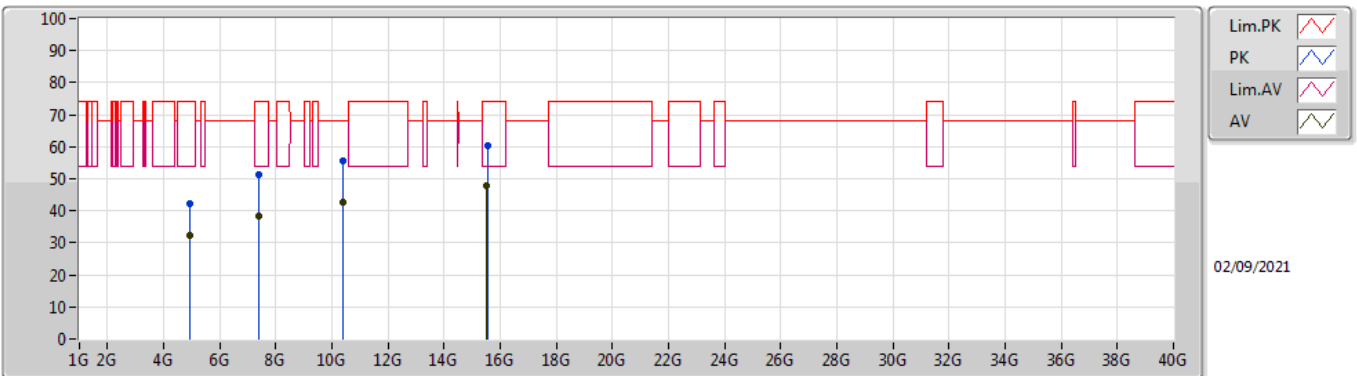
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.33841G	-71.52	-41.20	-30.32	2.00	0.00	-73.52	-76.60	-76.47
2.36G	2.4G	1M	AV	2.3816G	-70.93	-41.20	-29.73	2.00	0.00	-72.93	-75.74	-76.14
2.4G	2.4835G	1M	AV	2.4835G	-71.27	-41.20	-30.07	2.00	0.00	-73.27	-76.35	-76.22
2.4835G	2.5235G	1M	AV	2.5115G	-70.11	-41.20	-28.91	2.00	0.00	-72.11	-75.08	-75.17
2.5235G	2.9G	1M	AV	2.64389G	-70.41	-41.20	-29.21	2.00	0.00	-72.41	-76.65	-74.46
2.9G	7.5G	1M	AV	4.92343G	-66.96	-41.20	-25.76	2.00	0.00	-68.96	-71.93	-72.01
2.9G	7.5G	1M	AV	7.2907G	-65.27	-41.20	-24.07	2.00	0.00	-67.27	-70.46	-70.10
7.5G	25G	1M	AV	19.83313G	-59.73	-41.20	-18.53	2.00	0.00	-61.73	-64.37	-64.92



Summary

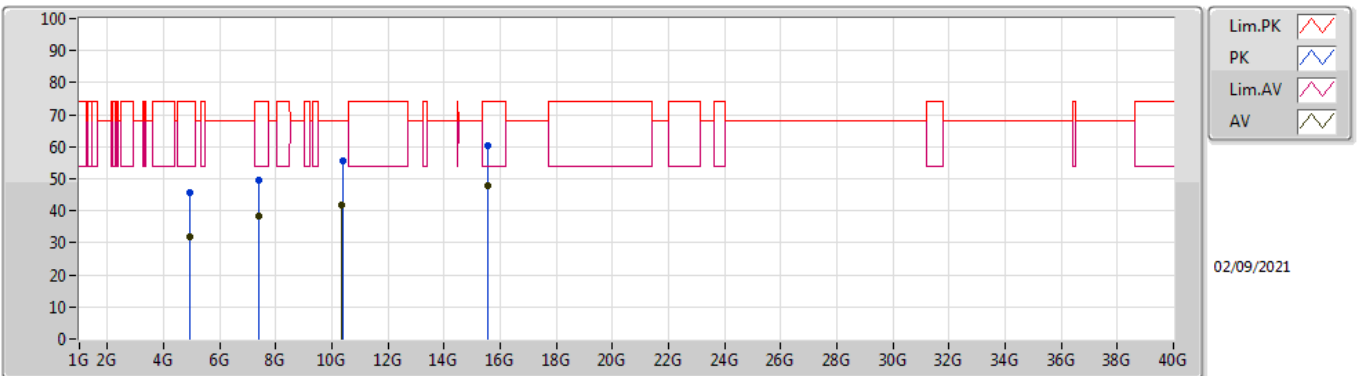
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	15.53192G	47.85	54.00	-6.15	Vertical

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.92389G	32.15	54.00	-21.85	8.39	3	Vertical	331	1.02	-	23.76	31.25	6.33	29.19
AV	7.38663G	38.23	54.00	-15.77	14.02	3	Vertical	315	1.45	-	24.21	36.13	8.11	30.22
AV	10.36948G	42.56	68.20	-25.64	18.64	3	Vertical	360	1.50	-	23.92	39.48	9.51	30.35
AV	15.53192G	47.85	54.00	-6.15	18.71	3	Vertical	77	1.83	-	29.14	38.11	11.63	31.03
PK	4.92073G	42.13	74.00	-31.87	8.37	3	Vertical	331	1.02	-	33.76	31.24	6.33	29.20
PK	7.38234G	51.13	74.00	-22.87	14.04	3	Vertical	315	1.45	-	37.09	36.14	8.12	30.22
PK	10.36948G	55.81	68.20	-12.39	18.64	3	Vertical	360	1.50	-	37.17	39.48	9.51	30.35
PK	15.54152G	60.38	74.00	-13.62	18.66	3	Vertical	77	1.83	-	41.72	38.05	11.64	31.03

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.92405G	32.06	54.00	-21.94	8.39	3	Horizontal	292	1.50	-	23.67	31.25	6.33	29.19
AV	7.38819G	38.21	54.00	-15.79	14.01	3	Horizontal	75	2.35	-	24.20	36.12	8.11	30.22
AV	10.34833G	41.86	68.20	-26.34	18.55	3	Horizontal	360	1.50	-	23.31	39.39	9.50	30.34
AV	15.53557G	47.73	54.00	-6.27	18.69	3	Horizontal	266	2.50	-	29.04	38.09	11.63	31.03
PK	4.9221G	45.64	74.00	-28.36	8.38	3	Horizontal	292	1.50	-	37.26	31.24	6.33	29.19
PK	7.396G	49.38	74.00	-24.62	13.99	3	Horizontal	75	2.35	-	35.39	36.11	8.11	30.23
PK	10.37583G	55.73	68.20	-12.47	18.66	3	Horizontal	360	1.50	-	37.07	39.50	9.51	30.35
PK	15.53855G	60.54	74.00	-13.46	18.67	3	Horizontal	266	2.50	-	41.87	38.07	11.63	31.03