Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	LDK-RUSS9105AXI
Equipment	:	Catalyst 9105AX 802.11ax Access Point
Brand Name	:	Cisco
Model Name	:	C9105AXI-B, C9105AXI-C, C9105AXI-D, C9105AXI-F, C9105AXI-N, C9105AXI-S, C9105AXI-K, C9105AXI-x (Refer to section 1.1.5 for more details)
Applicant	:	Cisco Systems, Inc. 125 West Tasman Drive, San Jose, California, United States, 95134-1706
Manufacturer	:	Cisco Systems, Inc. 125 West Tasman Drive, San Jose, California, United States, 95134-1706
Standard	:	47 CFR FCC Part 15.247

The product was received on Apr. 20, 2020, and testing was started from Apr. 28, 2020 and completed on Jul. 08, 2022. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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Appendix H. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR992016-11AA	01	Initial issue of report	Jul. 19, 2022

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	-
Note: Reference to Sporton Project No.: FR992016-02				

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Vicky Huang

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), ax (HEW20)	2412-2462	1-11 [11]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX, 2TX
2.4-2.4835GHz	802.11g	20	1TX, 2TX
2.4-2.4835GHz	802.11n HT20	20	1TX, 2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	1TX, 2TX
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.
- 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.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	PEGATRON	WIFI_1 ANT	IFA (Inverted-F antenna)	I-PEX	Note 1
2	2	PEGATRON	WIFI_2 ANT	IFA (Inverted-F antenna)	I-PEX	
3	1	PEGATRON	BLE ANT	IFA (Inverted-F antenna)	I-PEX	

Note 1:

Ant.	Port	Gain (dBi)										
		WLAN 2.4GHz			WLAN 5GHz					Bluetooth		
		2400 MHz	2450 MHz	2500 MHz	5150 MHz	5300 MHz	5500 MHz	5700 MHz	5850 MHz	2400 MHz	2450 MHz	2500 MHz
1	1	3.03	3.43	3.02	4.28	4.48	4.63	4.89	4.52	-	-	-
2	2	2.92	3.41	3.11	4.68	4.52	4.49	4.66	4.72	-	-	-
3	1	-	-	-	-	-	-	-	-	2.08	2.30	2.18

Note 2: The above information was declared by manufacturer.
Note 3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula : $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

$NSS1(g1,1) = 10^{G1/20}$; $NSS1(g1,2) = 10^{G2/20}$;

$g_{j,k} = (Nss1(g1,1) + Nss1(g1,2)$

$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2) / N_{ANT}] => 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$

Where ;

G1 = 10 ; G2 = 10 ; G3 = 10 ; G4 = 10 ;

2.4G

2412Mhz G1 = 3.03dBi ; G2 = 2.92 dBi ;2T1S DG=5.99 dBi 2T2S DG=2.98 dBi

2437Mhz G1 = 3.43dBi ; G2 = 3.41 dBi ; 2T1S DG=6.43 dBi 2T2S DG=3.42 dBi

2462Mhz G1 = 3.43dBi ; G2 = 3.41 dBi ; 2T1S DG=6.43 dBi 2T2S DG=3.42 dBi

5G

5180MHz G1 = 4.28dBi ; G2 = 4.68 dBi ;2T1S DG=7.49 dBi 2T2S DG=4.48 dBi

5200MHz G1 = 4.28dBi ; G2 = 4.68 dBi ;2T1S DG=7.49 dBi 2T2S DG=4.48 dBi

5240MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5260MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5300MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5320MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5500MHz G1 = 4.63dBi ; G2 = 4.49 dBi ;2T1S DG=7.57 dBi 2T2S DG=4.56 dBi

5580MHz G1 = 4.63dBi ; G2 = 4.49 dBi ;2T1S DG=7.57 dBi 2T2S DG=4.56 dBi

5700MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5720MHzG1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5745MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5785MHz G1 = 4.52dBi ; G2 = 4.72 dBi ;2T1S DG=7.63 dBi 2T2S DG=4.62 dBi

5825MHz G1 = 4.52dBi ; G2 = 4.72 dBi ;2T1S DG=7.63 dBi 2T2S DG=4.62 dBi

5190MHz G1 = 4.28dBi ; G2 = 4.68 dBi ;2T1S DG=7.49 dBi 2T2S DG=4.48 dBi

5230MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5270MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5310MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5510MHz G1 = 4.63dBi ; G2 = 4.49 dBi ;2T1S DG=7.57 dBi 2T2S DG=4.56 dBi

5550MHz G1 = 4.63dBi ; G2 = 4.49 dBi ;2T1S DG=7.57 dBi 2T2S DG=4.56 dBi

5670MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5710MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5755MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5795MHz G1 = 4.52dBi ; G2 = 4.72 dBi ;2T1S DG=7.63 dBi 2T2S DG=4.62 dBi

5210MHz G1 = 4.28dBi ; G2 = 4.68 dBi ;2T1S DG=7.49 dBi 2T2S DG=4.48 dBi

5290MHz G1 = 4.48dBi ; G2 = 4.52 dBi ;2T1S DG=7.51 dBi 2T2S DG=4.5 dBi

5530MHz G1 = 4.63dBi ; G2 = 4.49 dBi ;2T1S DG=7.57 dBi 2T2S DG=4.56 dBi

5610MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5690MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

5775MHz G1 = 4.89dBi ; G2 = 4.66 dBi ;2T1S DG=7.79 dBi 2T2S DG=4.78 dBi

Note 4:

For 2.4GHz function:

For IEEE 802.11 b/g/n/ax (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function:

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

<2T1S>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.91	0.41	1.442m	1k
802.11g	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

<2T2S>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.974	0.11	892.188u	3k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/ax in 2.4GHz and a/n/ac/ax in 5GHz.			
Test Software Version	TeraTerm V4.75			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The equipment names/model names in the following table are all refer to the identical product.

Equipment Name	Model Name	Description
Catalyst 9105AX 802.11ax Access Point	C9105AXI-B	All the models are identical, the difference equipment names/model names for difference marketing strategy.
	C9105AXI-C	
	C9105AXI-D	
	C9105AXI-F	
	C9105AXI-N	
	C9105AXI-S	
	C9105AXI-K	
	C9105AXI-x (x can be A-Z, regional country code)	

Note 1: From the above models, model: C9105AXI-B was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.2 Applicable 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.

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

1.3 Testing Location Information

Testing Location Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (other test items)	TH01-CB	Owen Hsu	22.5-23.8 / 56-58	Apr. 28, 2020 May 28, 2020
RF Conducted (2T1S-802.11b-2437MHz)	TH03-CB	Owen Hsu	24.5-24.8 / 66-69	Jun. 23, 2022
Radiated (Cabinet-Above 1GHz)	03CH04-CB	Gino Huang	23.8-24.9 / 55-58	Jun. 22, 2022~ Jul. 08, 2022
Radiated (Below 1GHz)	03CH05-CB	Gino Huang	24.2-26.1 / 55-58	Jun. 22, 2022~ Jul. 08, 2022
Radiated (Radiated Emission Co-location)	03CH06-CB	RJ Huang	23.4-25.5 / 63-69	May 25, 2020
AC Conduction (Mode 1~2)	CO02-CB	GN Hou	22~24 / 65~68	May 28, 2020
AC Conduction (Mode 3)	CO02-CB	Dean Chang	22~23 / 53~54	Jul. 07, 2022

Note:
The tested sample of the test item (Radiated below 1GHz, Radiated Cabinet above 1GHz, AC power-line conducted emissions-Mode 3, Emissions in Restricted Frequency Bands (Above 1GHz)-Bandedge/Harmonic -2T1S 802.11b-2437MHz was received on Jun. 13, 2022.

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)

For AC Conduction(Mode 1~2), RF Conducted(other test items) and Radiated(Radiated Emission Co-location)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

For others test:

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<2T1S>

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	16
2437MHz	17
2462MHz	17
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	15
2437MHz	17
2462MHz	14
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	14
2437MHz	17
2462MHz	14
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	14
2437MHz	17
2462MHz	14

<2T2S>

Mode	Power Setting
802.11ax HEW20_Nss2,(MCS0)_2TX	-
2412MHz	15
2462MHz	15

Note:
- There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 11n/11ax in 2.4GHz and 11a/11n/11ac/11ax in 5GHz. Both modes have been tested and recorded in this test report.
- The STBC mode covered by 2T2S mode.
- The beamforming mode only evaluate power and power density.
- This function has 1TX/2TX, and only 2TX was test and record in the test report was declared by the manufacturer.

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
Operating Mode	CTX
1	EUT_2.4GHz + PoE
2	EUT_5GHz + PoE
3	EUT_Bluetooth LE + PoE
For operating mode 2 is the worst case and it was record in this test report.	

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 (Above 1GHz)
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
Operating Mode < 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz. The worst case was found at Z axis in 2.4GHz, at X axis in 5GHz and at Y axis in Bluetooth LE, thus the measurement will follow this same test configuration.
1	EUT in Y axis_Bluetooth LE + PoE
2	EUT in Z axis_2.4GHz + PoE
3	EUT in X axis_5GHz + PoE
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX (Cabinet)
	The EUT was performed at X axis, Y axis and Z axis position. The worst case was found at Z axis, thus the measurement will follow this same test configuration.
1	EUT in Z axis_2.4GHz

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at X axis, Y axis and Z axis position, Z-axis generated the worst result for Emissions in Restricted Frequency Bands (above 1GHz), thus the measurement will follow this same test configuration.	
1	EUT in Z axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth LE
Refer to Sporton Test Report No.: FA992016-11 for Co-location RF Exposure Evaluation.	

Note: It was supplied power by PoE for EUT, and the PoE is for measurement only, would not be marketed.

For Radiated (below 1GHz), Radiated(Cabinet-Above 1GHz) and RF Conducted(2T1S-802.11b-2437MHz)

Equipment	Brand Name	Model Name	FCC ID
PoE	PHIHONG	POE29U-1AT(PL)	N/A

For others test

Equipment	Brand Name	Model Name	FCC ID
PoE	CERIO	POE-G30	N/A

2.3 EUT Operation during Test

For Normal Link Mode:
During the test, the EUT operation to normal function.

For CTX Mode:
The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories				
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Remark**
1	Mounting bracket*1	Cisco	AIR-AP-BRACKET-8	-

2.5 Support Equipment

For AC Conduction and Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	PHIHONG	POE29U-1AT(PL)	N/A

For Radiated(Cabinet-Above 1GHz) and RF Conducted(2T1S-802.11b-2437MHz)

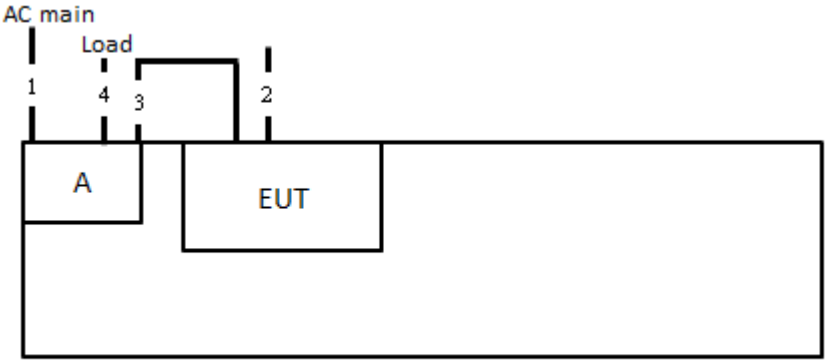
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	PHIHONG	POE29U-1AT(PL)	N/A

For RF Conducted(other test items):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	CERIO	POE-G30	N/A
B	Notebook	DELL	E4300	N/A

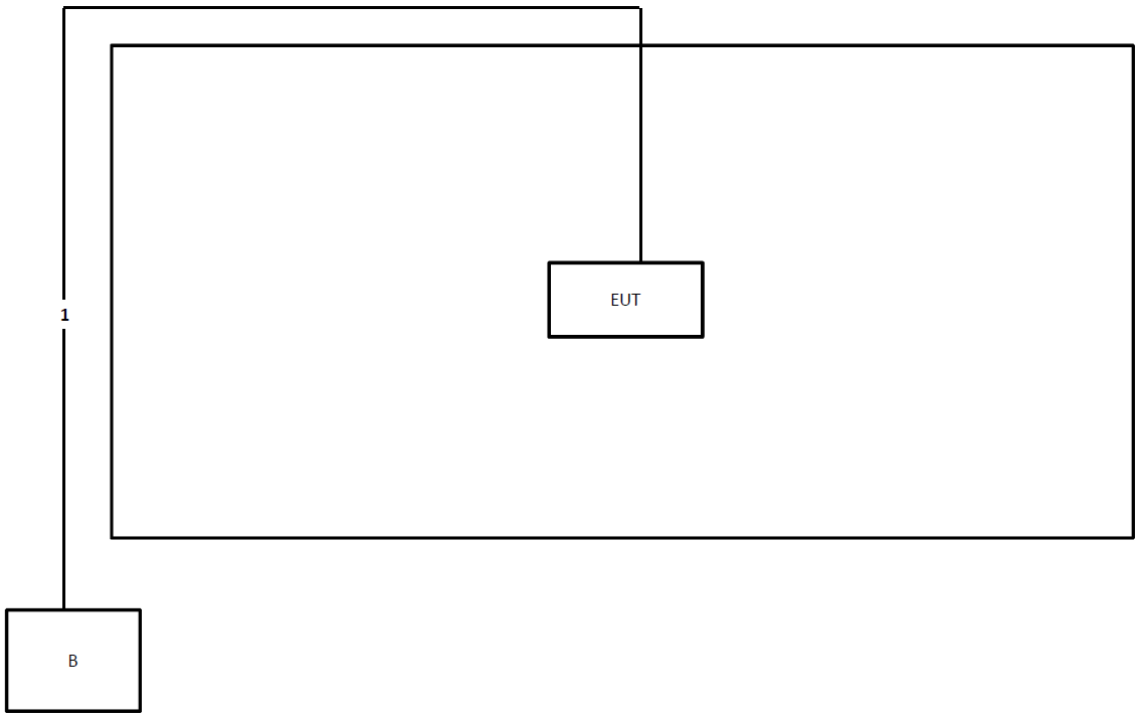
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



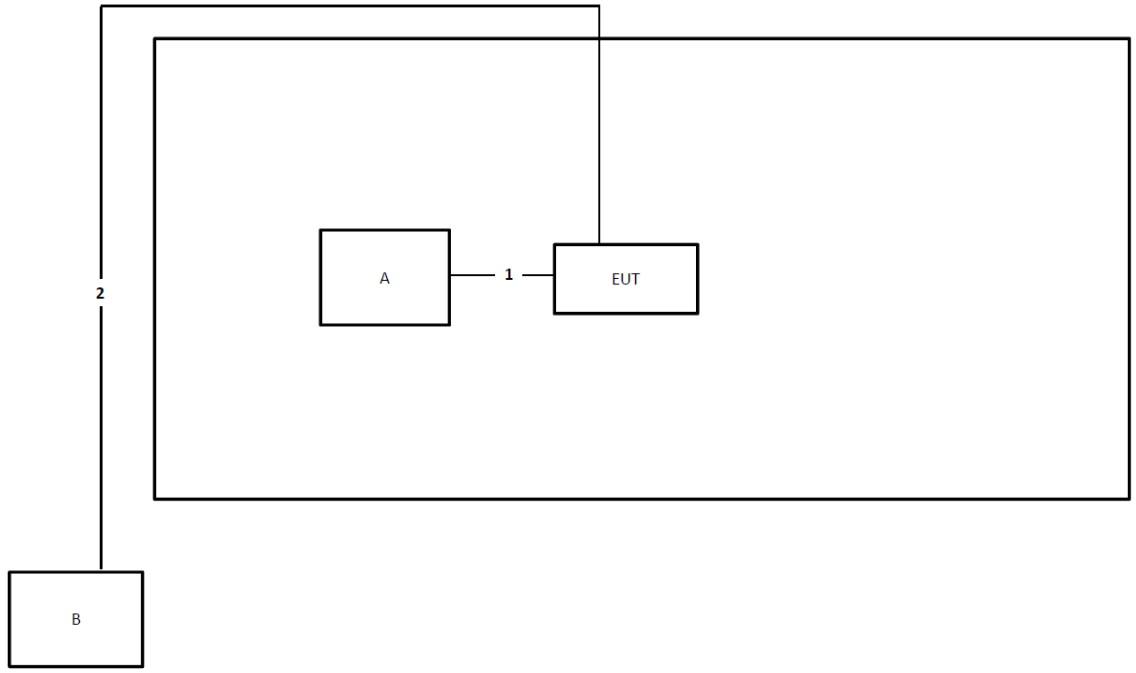
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RS232 to RJ-45 console cable	No	1.9m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RS232 to RJ-45 console cable	No	3.2m
2	RJ-45 cable	No	10m

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

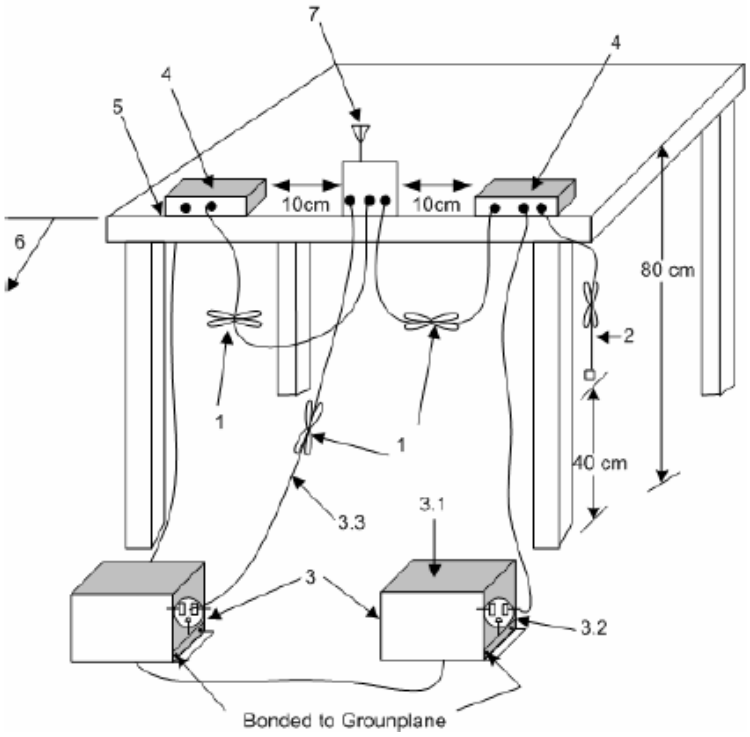
Refer a test equipment and calibration data table in this test report.

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 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

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 ≥ 500 kHz.

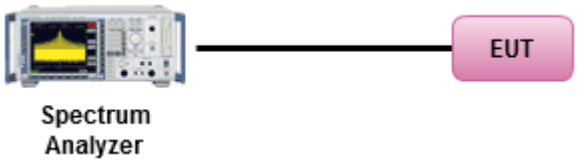
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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
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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

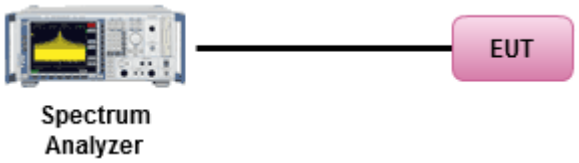
3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


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 (dBc)**
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 PSD 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 PSD level.

3.5.2 Measuring Instruments

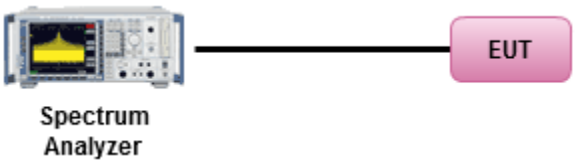
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



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

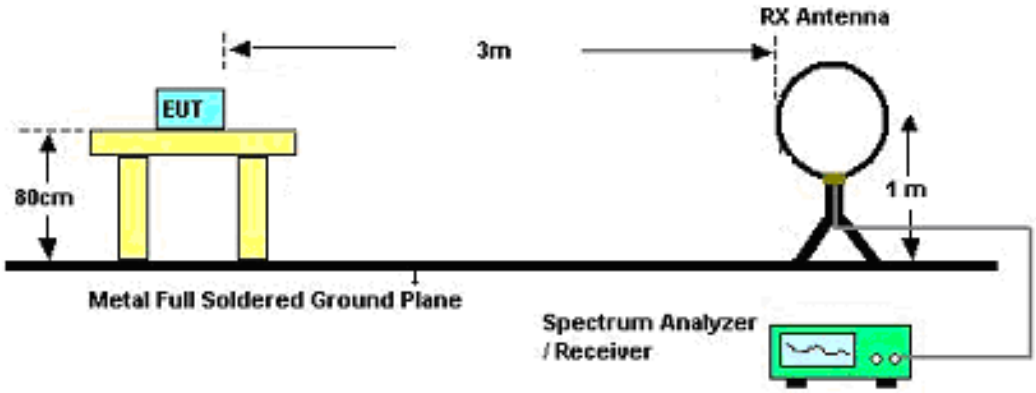
Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ 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 FCC 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.		

Test Method	
▪ For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.2.	
	▪ For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	▪ 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 FCC 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.

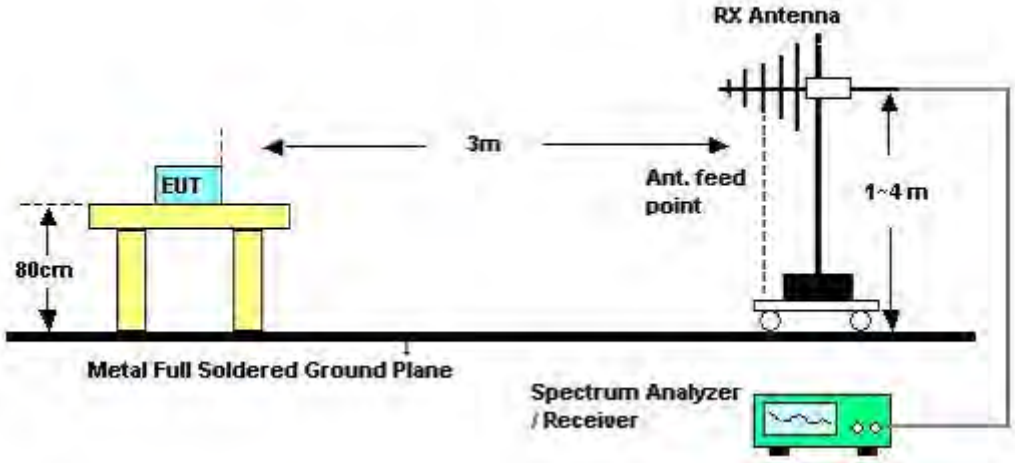
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

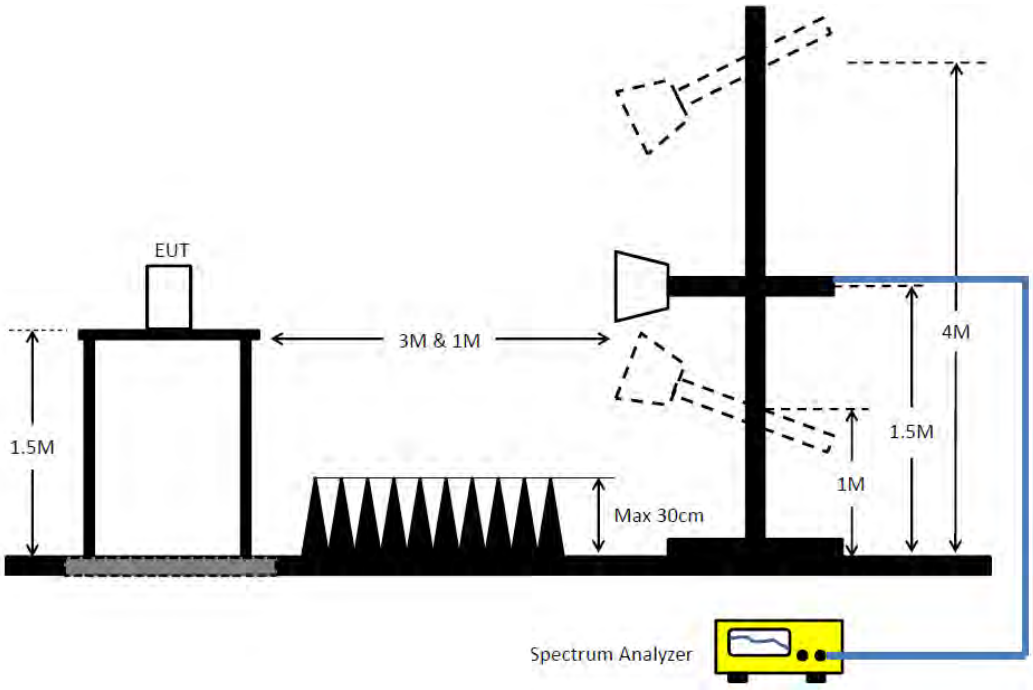
9kHz ~30MHz



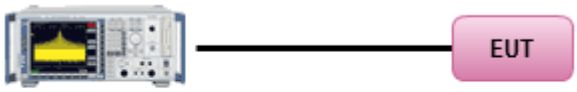
30MHz~1GHz



Above 1GHz



Conducted - Emissions in Restricted Frequency Bands



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 22, 2021	Dec. 21, 2022	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Mar. 10, 2020	Mar. 09, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 06, 2022	May 05, 2023	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 19, 2021	Oct. 18, 2022	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 19, 2020	Mar. 18, 2021	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2022	Mar. 17, 2023	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 17, 2019	Jul. 16, 2020	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)

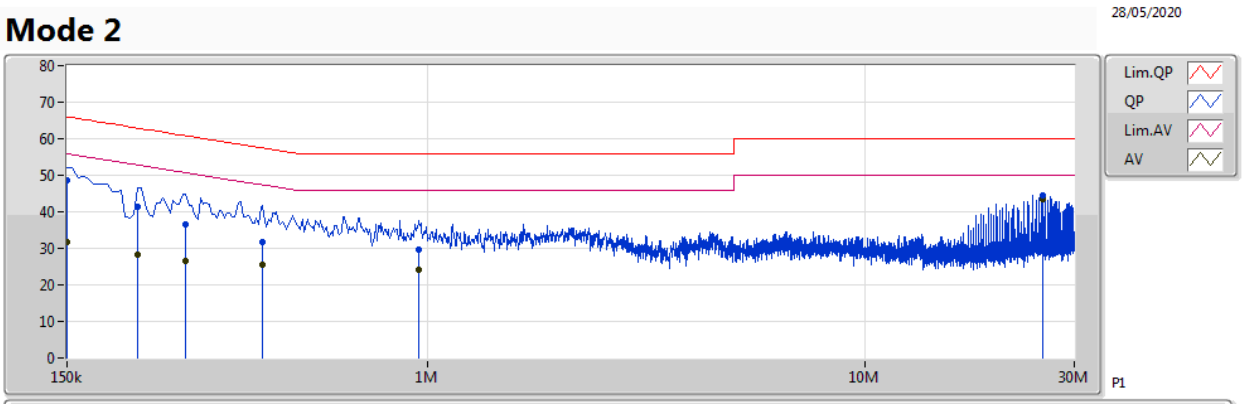
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

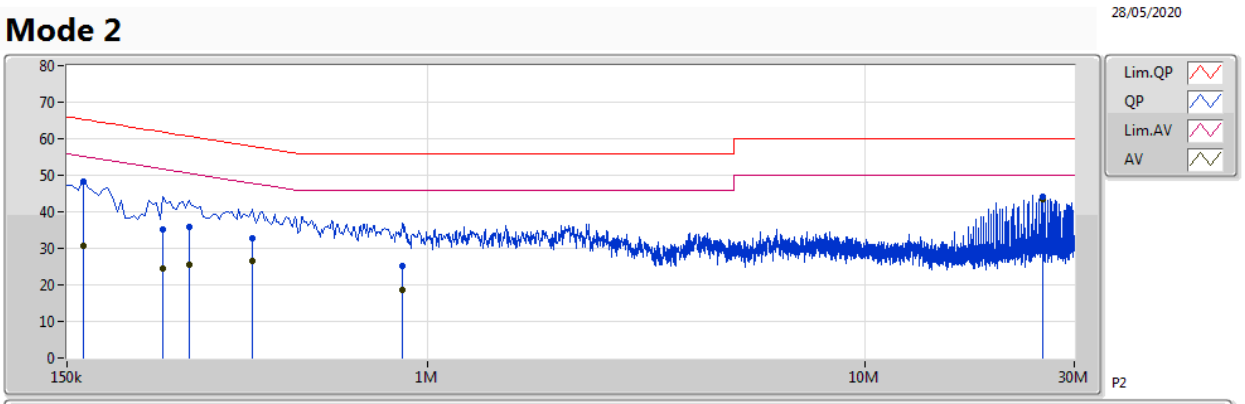
NCR means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 2	Pass	AV	25.337M	43.53	50.00	-6.47	10.88	Line



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	48.48	66.00	-17.52	10.20	Line	-	38.28	0.05	0.05	10.10
AV	150k	31.87	56.00	-24.13	10.20	Line	-	21.67	0.05	0.05	10.10
QP	217.5k	41.40	62.92	-21.52	10.22	Line	-	31.18	0.05	0.07	10.10
AV	217.5k	28.36	52.92	-24.56	10.22	Line	-	18.14	0.05	0.07	10.10
QP	280.5k	36.39	60.80	-24.41	10.22	Line	-	26.17	0.05	0.07	10.10
AV	280.5k	26.62	50.80	-24.18	10.22	Line	-	16.40	0.05	0.07	10.10
QP	420k	31.76	57.45	-25.69	10.23	Line	-	21.53	0.05	0.08	10.10
AV	420k	25.68	47.45	-21.77	10.23	Line	-	15.45	0.05	0.08	10.10
QP	955.5k	29.54	56.00	-26.46	10.28	Line	-	19.26	0.06	0.12	10.10
AV	955.5k	24.20	46.00	-21.80	10.28	Line	-	13.92	0.06	0.12	10.10
QP	25.337M	44.40	60.00	-15.60	10.88	Line	-	33.52	0.53	0.23	10.12
AV	25.337M	43.53	50.00	-6.47	10.88	Line	"Worst"	32.65	0.53	0.23	10.12



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.5k	48.19	65.27	-17.08	10.21	Neutral	-	37.98	0.05	0.06	10.10
AV	163.5k	30.63	55.27	-24.64	10.21	Neutral	-	20.42	0.05	0.06	10.10
QP	249k	35.34	61.79	-26.45	10.22	Neutral	-	25.12	0.05	0.07	10.10
AV	249k	24.44	51.79	-27.35	10.22	Neutral	-	14.22	0.05	0.07	10.10
QP	285k	35.80	60.67	-24.87	10.23	Neutral	-	25.57	0.05	0.08	10.10
AV	285k	25.62	50.67	-25.05	10.23	Neutral	-	15.39	0.05	0.08	10.10
QP	397.5k	32.68	57.91	-25.23	10.23	Neutral	-	22.45	0.05	0.08	10.10
AV	397.5k	26.68	47.91	-21.23	10.23	Neutral	-	16.45	0.05	0.08	10.10
QP	874.5k	25.28	56.00	-30.72	10.27	Neutral	-	15.01	0.06	0.11	10.10
AV	874.5k	18.49	46.00	-27.51	10.27	Neutral	-	8.22	0.06	0.11	10.10
QP	25.337M	44.22	60.00	-15.78	10.67	Neutral	-	33.55	0.32	0.23	10.12
AV	25.337M	43.44	50.00	-6.56	10.67	Neutral	"Worst"	32.77	0.32	0.23	10.12

<2T1S>

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	7.025M	10.27M	10M3G1D	6.025M	10.195M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.767M	16M8D1D	16.3M	16.667M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.04M	19M0D1D	18.9M	19.015M

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

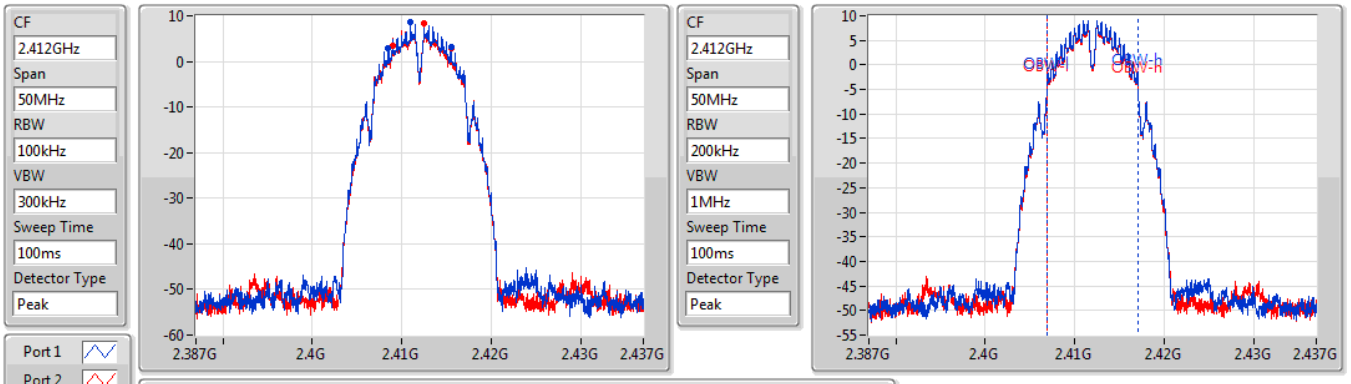
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7M	10.22M	6.55M	10.245M
2437MHz	Pass	500k	6.025M	10.22M	7M	10.245M
2462MHz	Pass	500k	6.55M	10.195M	7.025M	10.27M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.667M	16.3M	16.717M
2437MHz	Pass	500k	16.325M	16.692M	16.325M	16.767M
2462MHz	Pass	500k	16.325M	16.667M	16.325M	16.742M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.015M	18.925M	19.015M
2437MHz	Pass	500k	18.9M	19.015M	18.95M	19.015M
2462MHz	Pass	500k	18.975M	19.04M	18.9M	19.015M

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

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

30/04/2020

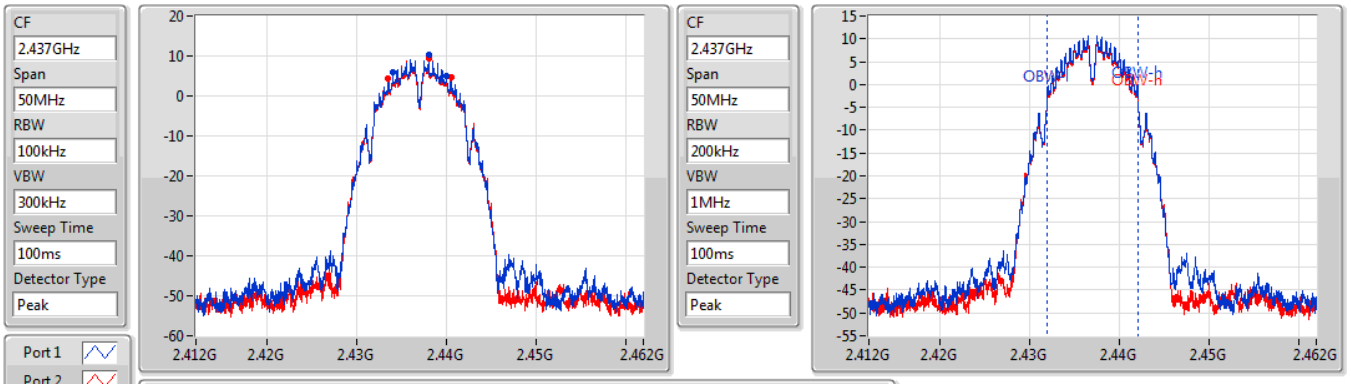


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4085G	2.4155G	10.22M	2.406878G	2.417097G	500k	1
6.55M	2.408975G	2.415525G	10.245M	2.406878G	2.417122G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

30/04/2020

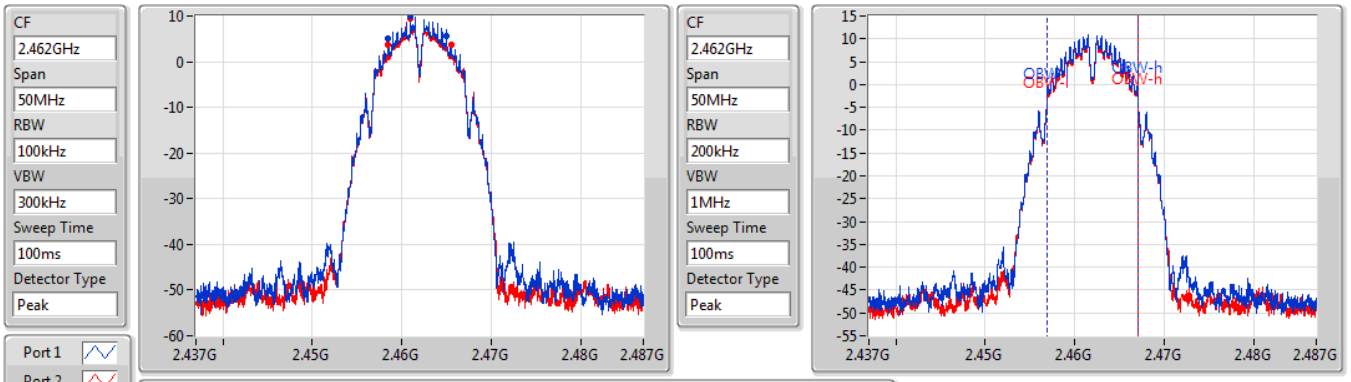


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.025M	2.433975G	2.44G	10.22M	2.431878G	2.442097G	500k	1
7M	2.4335G	2.4405G	10.245M	2.431878G	2.442122G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

30/04/2020

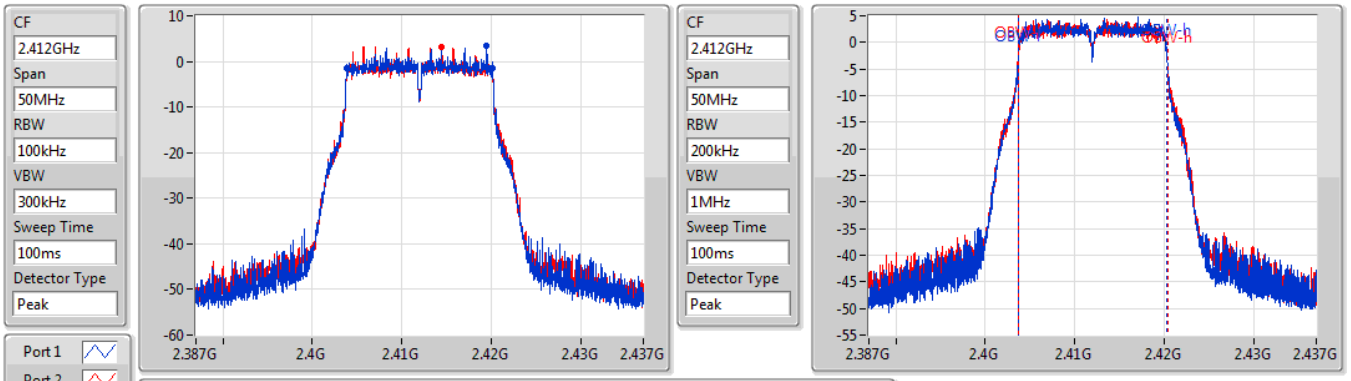


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.458475G	2.465025G	10.195M	2.456878G	2.467072G	500k	1
7.025M	2.4585G	2.465525G	10.27M	2.456853G	2.467122G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

30/04/2020

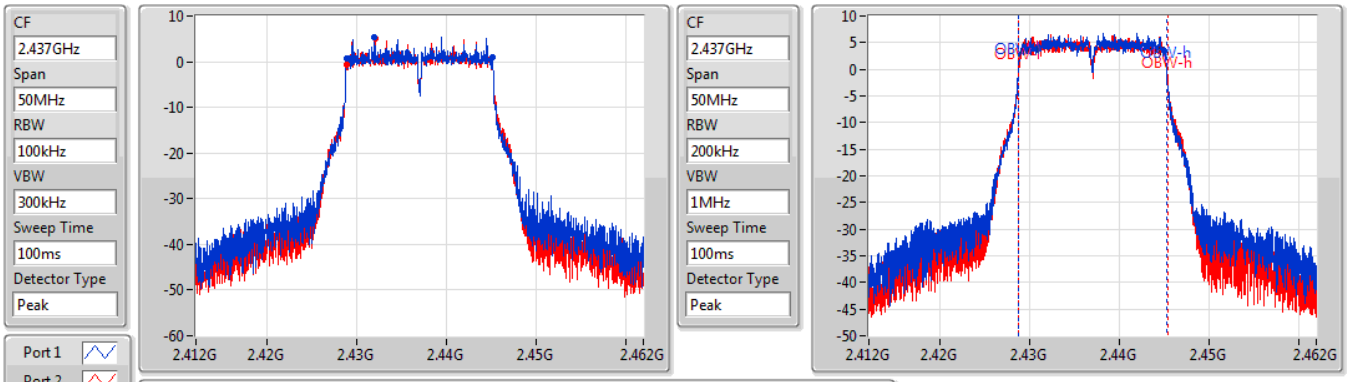


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.667M	2.403654G	2.420321G	500k	1
16.3M	2.40385G	2.42015G	16.717M	2.403654G	2.420371G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

30/04/2020

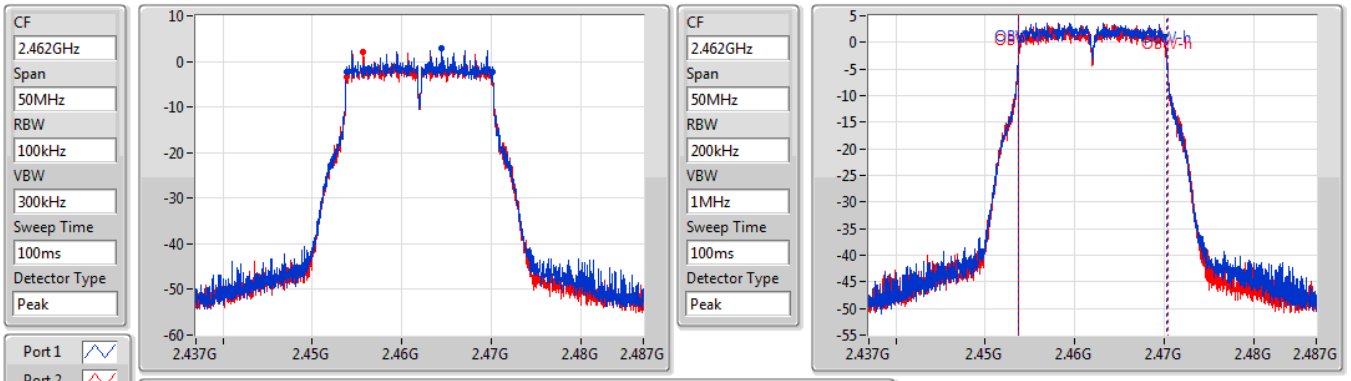


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.692M	2.428654G	2.445346G	500k	1
16.325M	2.428825G	2.44515G	16.767M	2.428654G	2.445421G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

30/04/2020

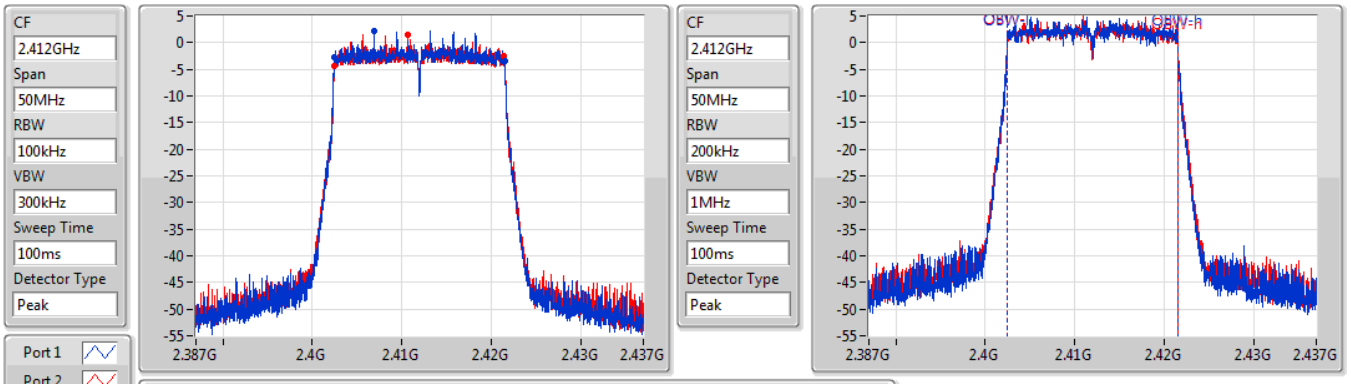


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.667M	2.453654G	2.470321G	500k	1
16.325M	2.453825G	2.47015G	16.742M	2.453654G	2.470396G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2412MHz

30/04/2020

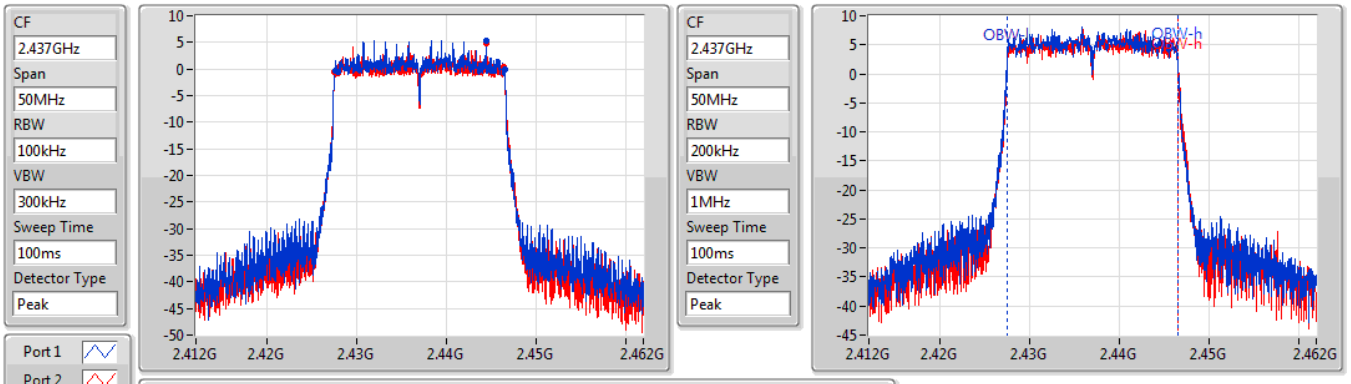


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	19.015M	2.40248G	2.421495G	500k	1
18.925M	2.4025G	2.421425G	19.015M	2.402505G	2.42152G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2437MHz

30/04/2020

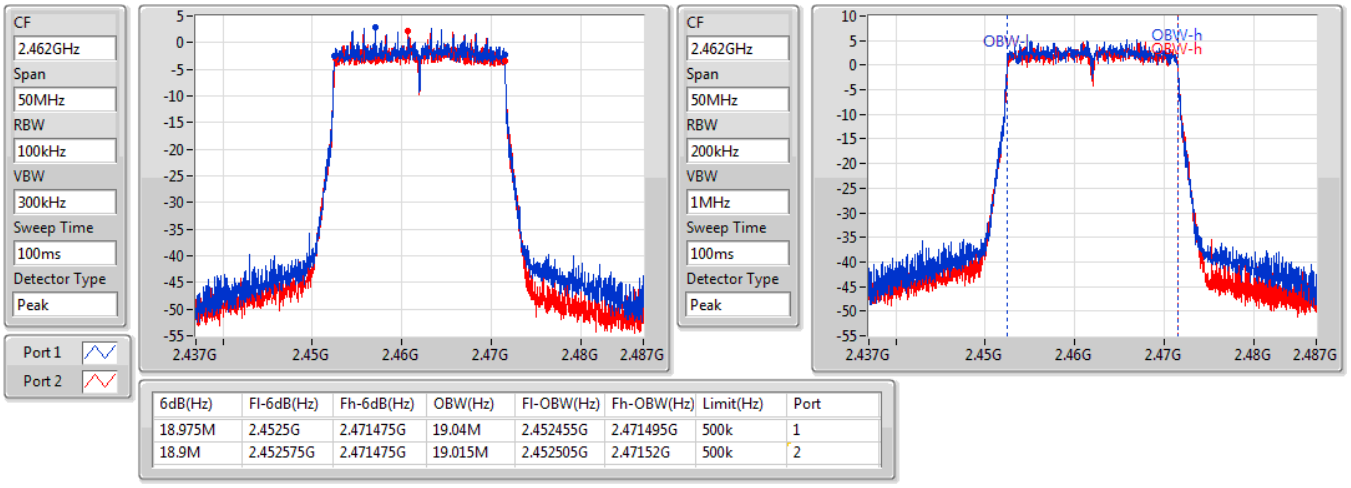


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.427575G	2.446475G	19.015M	2.42748G	2.446495G	500k	1
18.95M	2.4275G	2.44645G	19.015M	2.427505G	2.44652G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

2462MHz

30/04/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	19.04M	2.452455G	2.471495G	500k	1
18.9M	2.452575G	2.471475G	19.015M	2.452505G	2.47152G	500k	2

<2T2S>

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	19.025M	19.09M	19M1D1D	18.6M	19.015M

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

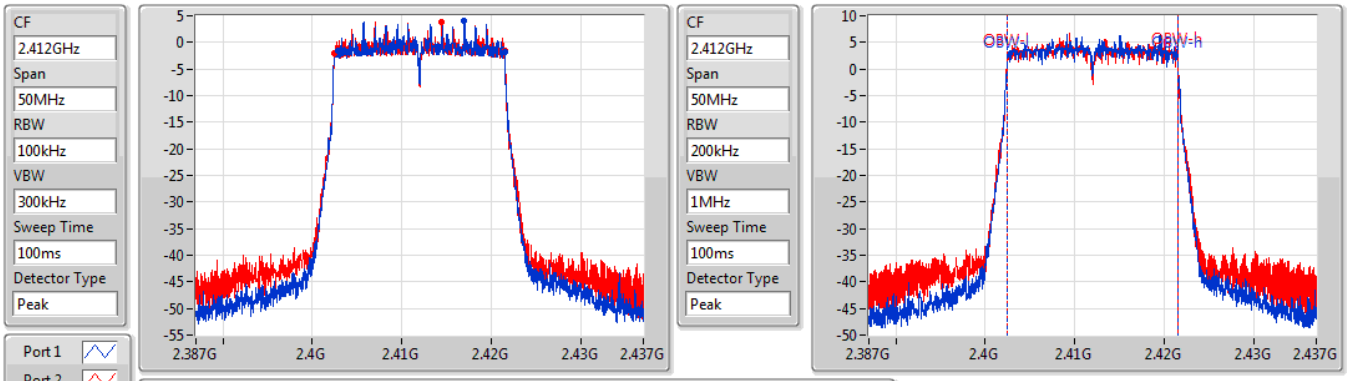
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.65M	19.04M	19.025M	19.065M
2462MHz	Pass	500k	18.6M	19.015M	19M	19.09M

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

11/05/2020

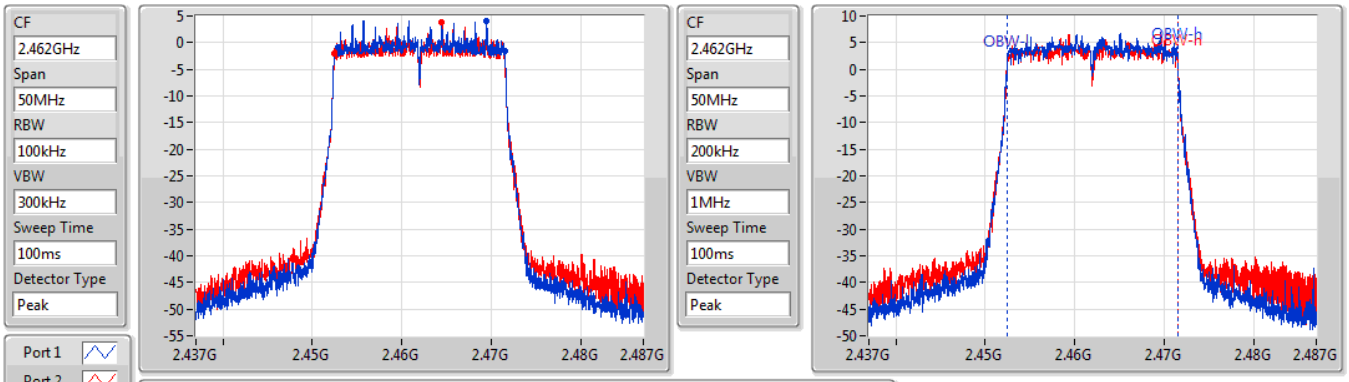


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.65M	2.402825G	2.421475G	19.04M	2.40248G	2.42152G	500k	1
19.025M	2.4025G	2.421525G	19.065M	2.402455G	2.42152G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

11/05/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.6M	2.452875G	2.471475G	19.015M	2.45248G	2.471495G	500k	1
19M	2.4525G	2.4715G	19.09M	2.452455G	2.471545G	500k	2

<2T1S>

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
2.4-2.4835GHz	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	20.51	0.11246	23.94	0.24774
802.11g_Nss1,(6Mbps)_2TX	20.27	0.10641	23.70	0.23442
802.11ax HEW20_Nss1,(MCS0)_2TX	20.43	0.11041	23.86	0.24322
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.46	0.11117	26.89	0.48865

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP Power (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-		-
2412MHz	Pass	3.03	15.99	16.13	19.07	30.00	22.10
2437MHz	Pass	3.43	17.66	17.34	20.51	30.00	23.94
2462MHz	Pass	3.43	17.34	17.28	20.32	30.00	23.75
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	3.03	15.21	15.16	18.20	30.00	21.23
2437MHz	Pass	3.43	17.39	17.12	20.27	30.00	23.70
2462MHz	Pass	3.43	14.64	14.04	17.36	30.00	20.79
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	3.03	14.72	14.48	17.61	30.00	20.64
2437MHz	Pass	3.43	17.62	17.20	20.43	30.00	23.86
2462MHz	Pass	3.43	14.89	14.35	17.64	30.00	21.07
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	5.99	14.75	14.47	17.62	30.00	23.61
2437MHz	Pass	6.43	17.58	17.32	20.46	29.57	26.89
2462MHz	Pass	6.43	14.77	14.25	17.53	29.57	23.96

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

<2T2S>

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
2.4-2.4835GHz	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	18.90	0.07762	22.29	0.16943

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP Power (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	2.98	15.91	15.87	18.90	30.00	21.88
2462MHz	Pass	3.42	16.03	15.68	18.87	30.00	22.29

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

<2T1S>

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.04
802.11g_Nss1,(6Mbps)_2TX	-5.15
802.11ax HEW20_Nss1,(MCS0)_2TX	-6.88
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-6.37

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

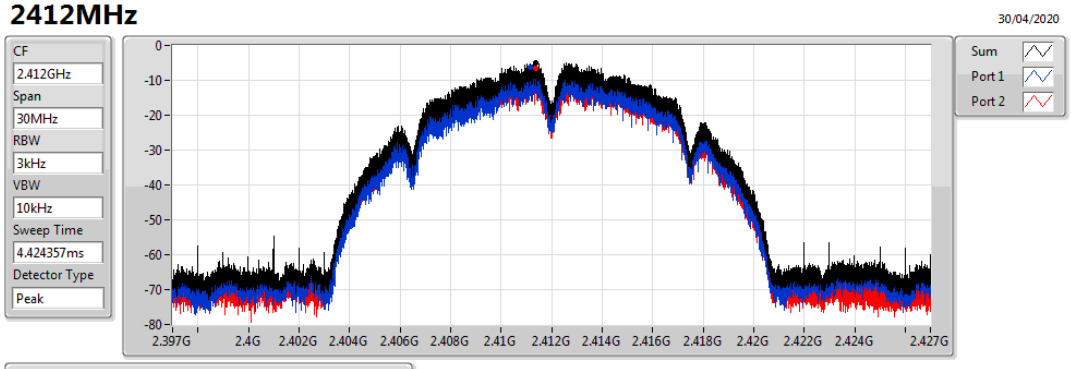
Result

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	5.99	-6.21	-6.53	-4.91	8.00
2437MHz	Pass	6.43	-4.34	-4.92	-3.04	7.57
2462MHz	Pass	6.43	-4.93	-6.21	-3.09	7.57
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.99	-10.65	-10.94	-8.14	8.00
2437MHz	Pass	6.43	-7.42	-9.06	-5.15	7.57
2462MHz	Pass	6.43	-11.04	-12.32	-8.84	7.57
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.99	-12.52	-12.51	-10.45	8.00
2437MHz	Pass	6.43	-9.64	-9.53	-6.88	7.57
2462MHz	Pass	6.43	-12.84	-12.69	-10.33	7.57
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.99	-12.04	-12.78	-9.75	8.00
2437MHz	Pass	6.43	-7.91	-9.33	-6.37	7.57
2462MHz	Pass	6.43	-11.48	-13.08	-9.74	7.57

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
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

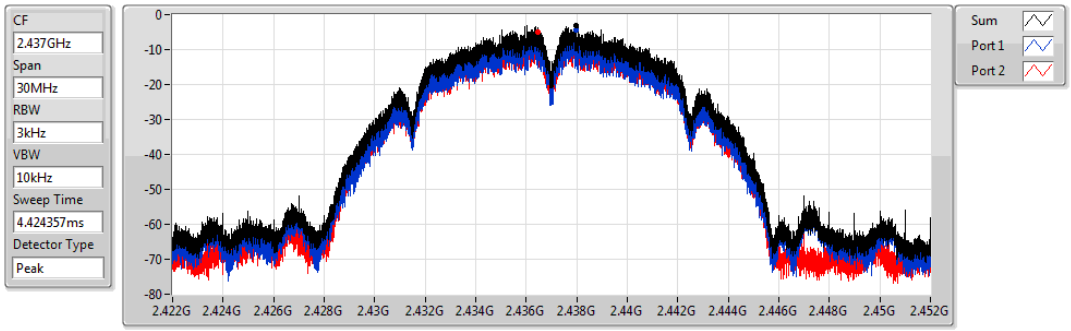
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.91	-4.91	-6.21	-6.53

802.11b_Nss1,(1Mbps)_2TX PSD

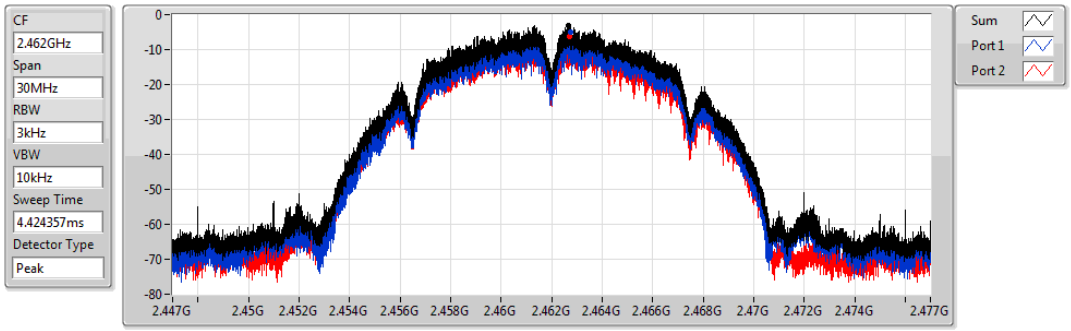
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.04	-3.04	-4.34	-4.92

802.11b_Nss1,(1Mbps)_2TX PSD

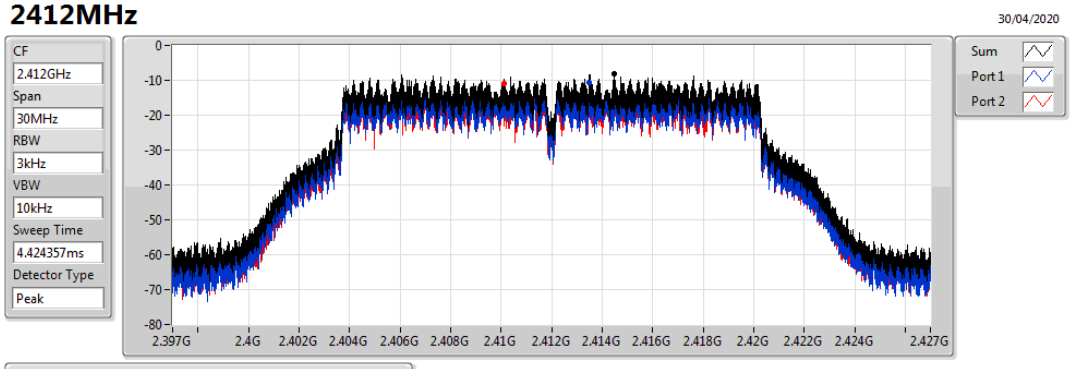
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.09	-3.09	-4.93	-6.21

802.11g_Nss1,(6Mbps)_2TX PSD

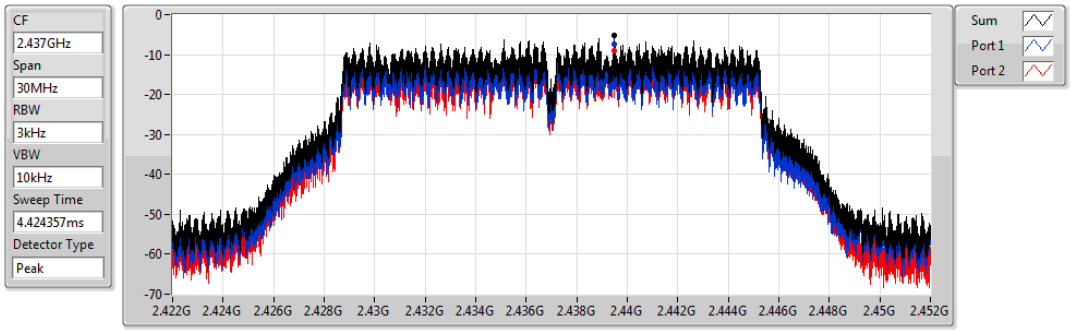
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.14	-8.14	-10.65	-10.94

802.11g_Nss1,(6Mbps)_2TX PSD

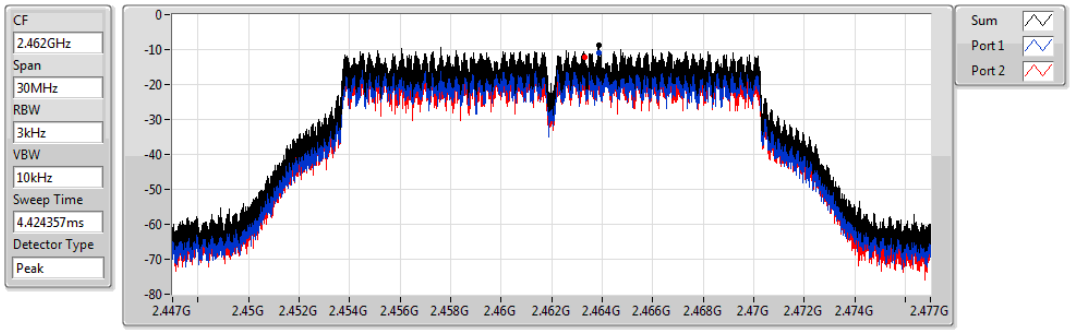
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.15	-5.15	-7.42	-9.06

802.11g_Nss1,(6Mbps)_2TX PSD

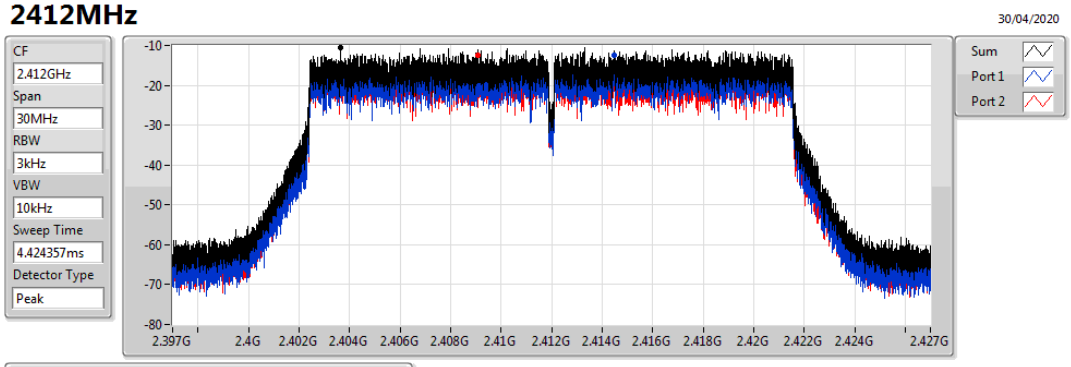
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.84	-8.84	-11.04	-12.32

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

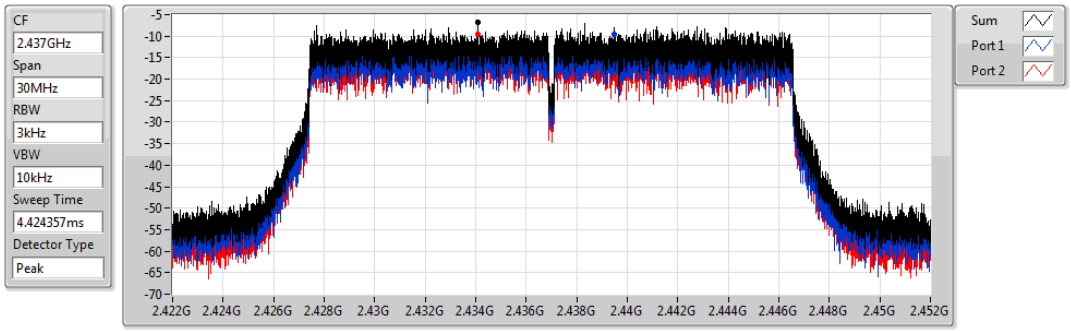
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.45	-10.45	-12.52	-12.51

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

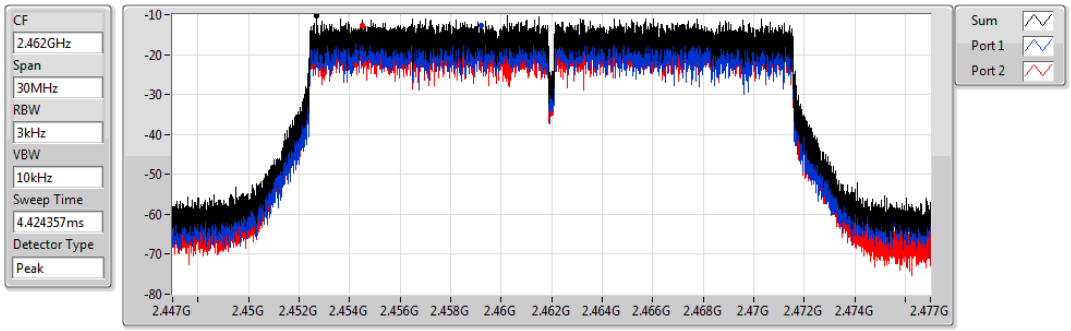
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.88	-6.88	-9.64	-9.53

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

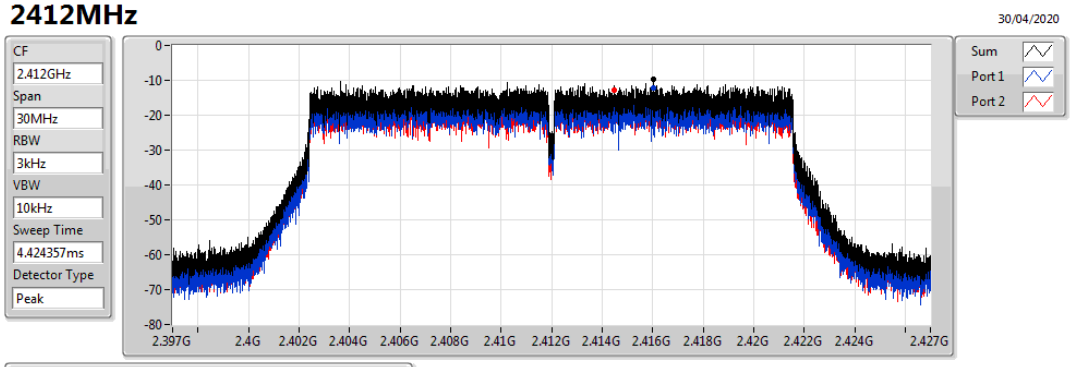
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.33	-10.33	-12.84	-12.69

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

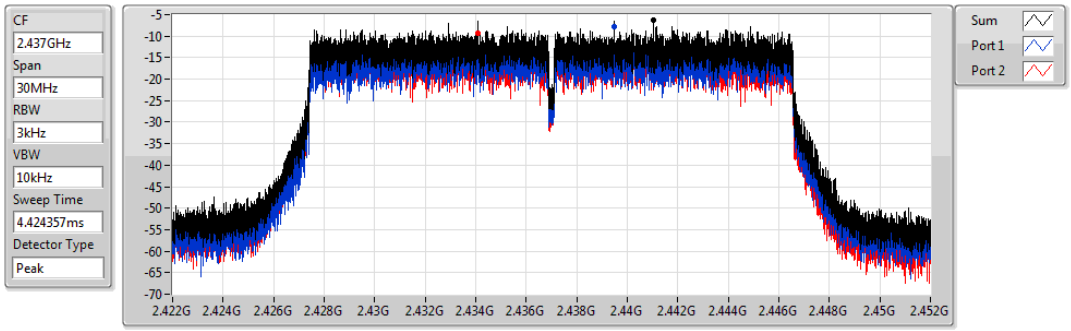
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.75	-9.75	-12.04	-12.78

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

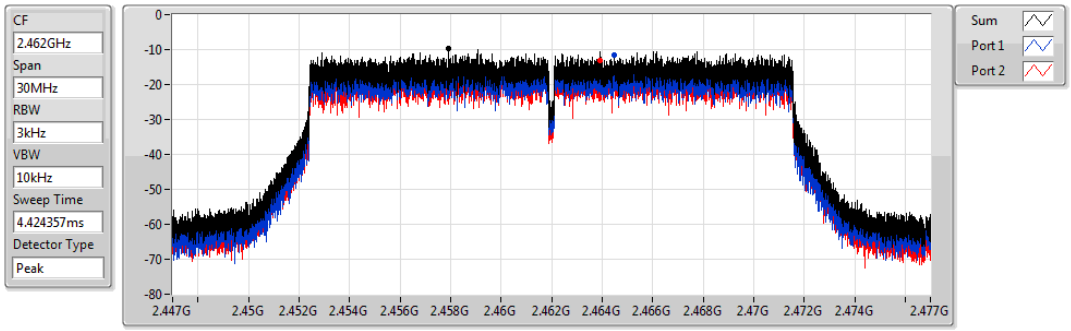
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.37	-6.37	-7.91	-9.33

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.74	-9.74	-11.48	-13.08

<2T2S>

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-8.42

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

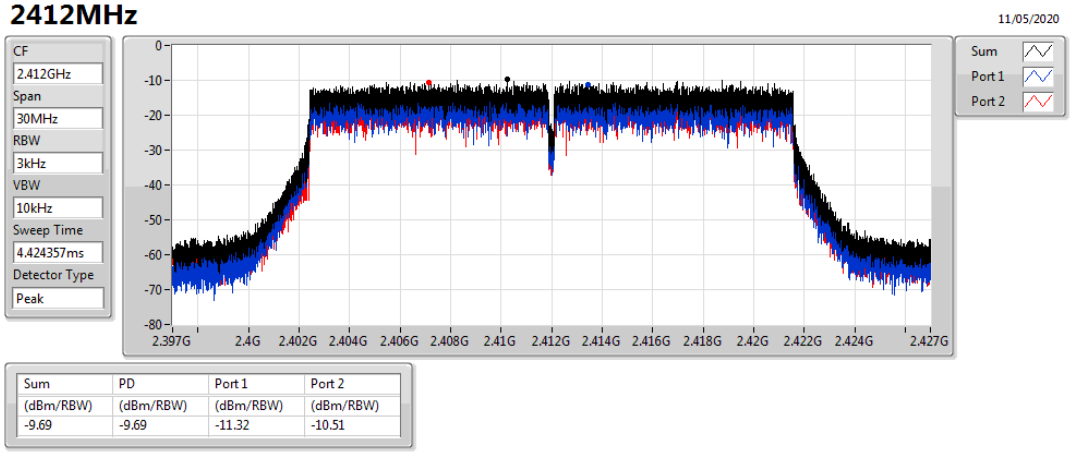
Result

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	2.98	-11.32	-10.51	-9.69	8.00
2462MHz	Pass	3.42	-10.53	-10.68	-8.42	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
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

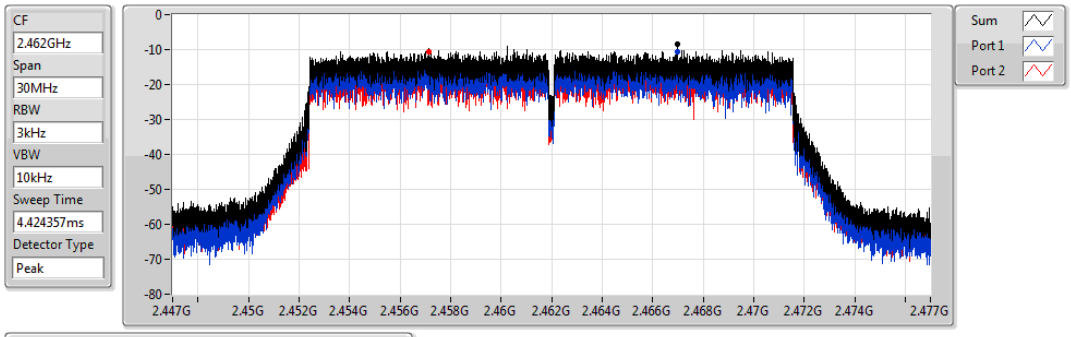
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.69	-9.69	-11.32	-10.51

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.42	-8.42	-10.53	-10.68

<2T1S>

Summary

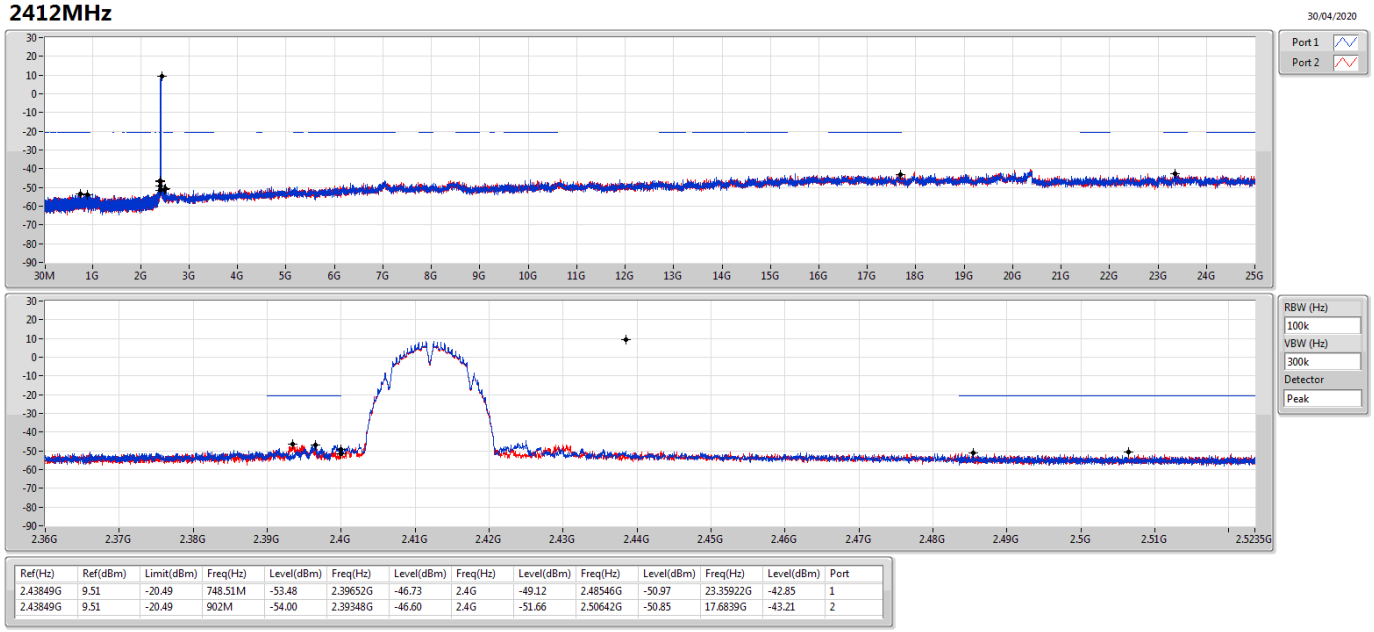
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43849G	9.51	-20.49	902M	-54.00	2.39348G	-46.60	2.4G	-51.66	2.50642G	-50.85	17.6839G	-43.21	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44196G	5.66	-24.34	2.30641G	-52.83	2.39888G	-38.05	2.4G	-40.12	2.49106G	-51.17	24.69376G	-42.17	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43198G	5.77	-24.23	880.74M	-53.07	2.39996G	-41.72	2.4G	-42.85	2.48748G	-50.14	16.50669G	-42.74	2

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	2.43849G	9.51	-20.49	748.51M	-53.48	2.39652G	-46.73	2.4G	-49.12	2.48546G	-50.97	23.35922G	-42.85	1
2412MHz	Pass	2.43849G	9.51	-20.49	902M	-54.00	2.39348G	-46.60	2.4G	-51.66	2.50642G	-50.85	17.6839G	-43.21	2
2437MHz	Pass	2.43849G	9.51	-20.49	2.30233G	-54.04	2.39232G	-50.08	2.4G	-50.63	2.4939G	-49.82	16.20045G	-42.31	1
2437MHz	Pass	2.43849G	9.51	-20.49	840.26M	-53.88	2.3992G	-50.87	2.4835G	-53.20	2.49586G	-49.66	17.60804G	-43.38	2
2462MHz	Pass	2.43849G	9.51	-20.49	345.72M	-54.38	2.3996G	-51.21	2.4835G	-52.28	2.48474G	-48.24	24.65723G	-42.90	1
2462MHz	Pass	2.43849G	9.51	-20.49	901.71M	-53.47	2.39826G	-51.89	2.4835G	-52.09	2.48794G	-49.67	24.75557G	-41.85	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	5.66	-24.34	2.30641G	-52.83	2.39888G	-38.05	2.4G	-40.12	2.49106G	-51.17	24.69376G	-42.17	1
2412MHz	Pass	2.44196G	5.66	-24.34	830.06M	-53.21	2.39924G	-39.55	2.4G	-40.82	2.49362G	-50.37	17.44509G	-42.55	2
2437MHz	Pass	2.44196G	5.66	-24.34	2.30059G	-52.42	2.39948G	-47.58	2.4G	-50.58	2.48808G	-49.27	16.57693G	-42.21	1
2437MHz	Pass	2.44196G	5.66	-24.34	758.42M	-54.02	2.39866G	-48.90	2.4835G	-51.39	2.48428G	-49.55	24.38471G	-43.01	2
2462MHz	Pass	2.44196G	5.66	-24.34	1.83284G	-53.85	2.39196G	-52.29	2.4835G	-49.06	2.4857G	-45.51	16.28755G	-43.13	1
2462MHz	Pass	2.44196G	5.66	-24.34	702.79M	-53.63	2.39426G	-51.43	2.4835G	-50.58	2.48458G	-48.82	16.5685G	-42.65	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	5.77	-24.23	2.30029G	-53.97	2.3997G	-42.28	2.4G	-42.56	2.48844G	-51.64	16.54603G	-42.17	1
2412MHz	Pass	2.43198G	5.77	-24.23	880.74M	-53.07	2.39996G	-41.72	2.4G	-42.85	2.48748G	-50.14	16.50669G	-42.74	2
2437MHz	Pass	2.43198G	5.77	-24.23	2.30292G	-54.18	2.3939G	-47.54	2.4G	-49.53	2.48356G	-48.93	15.22272G	-43.17	1
2437MHz	Pass	2.43198G	5.77	-24.23	826.57M	-53.46	2.39438G	-47.02	2.4G	-51.14	2.49128G	-50.20	16.49826G	-42.43	2
2462MHz	Pass	2.43198G	5.77	-24.23	950.93M	-52.92	2.39866G	-51.96	2.4835G	-45.39	2.48424G	-43.14	14.64114G	-43.12	1
2462MHz	Pass	2.43198G	5.77	-24.23	2.10341G	-53.27	2.3951G	-52.37	2.4835G	-51.46	2.48462G	-44.68	24.62352G	-42.39	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

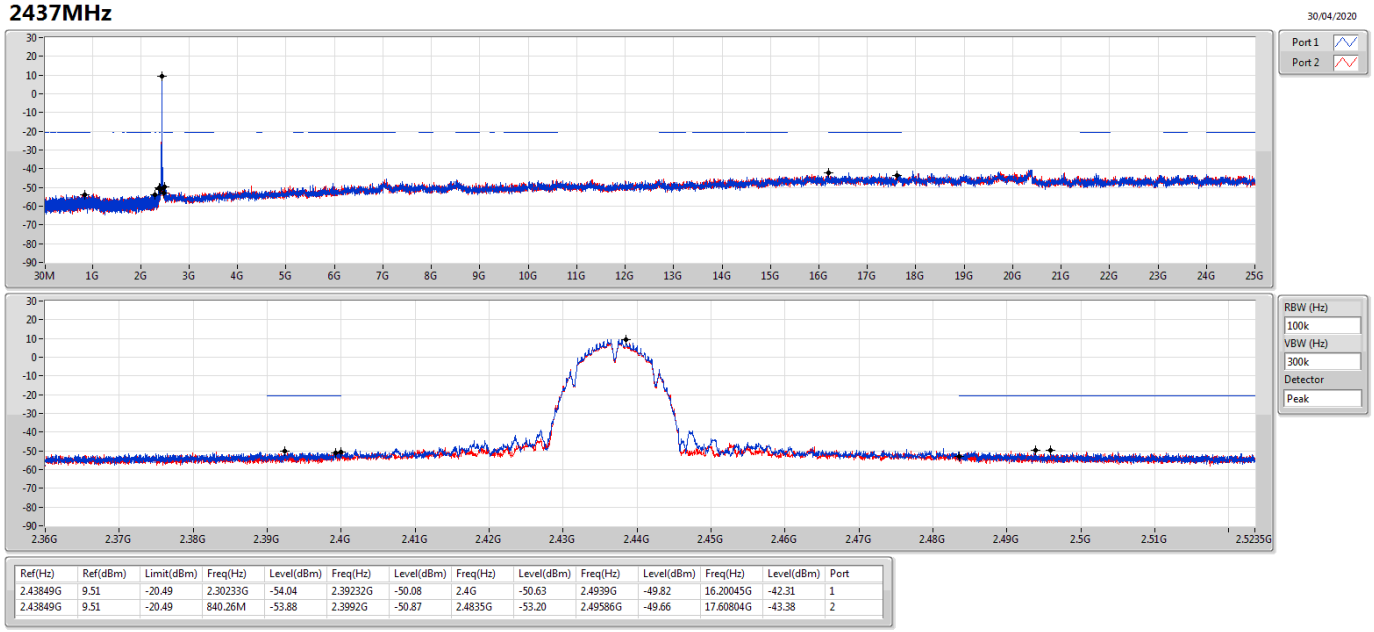
2412MHz



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
2.43849G	9.51	-20.49	748.51M	-53.48	2.39652G	-46.73	2.4G	-49.12	2.48546G	-50.97	23.35922G	-42.85	1
2.43849G	9.51	-20.49	902M	-54.00	2.39348G	-46.60	2.4G	-51.66	2.50642G	-50.85	17.6839G	-43.21	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

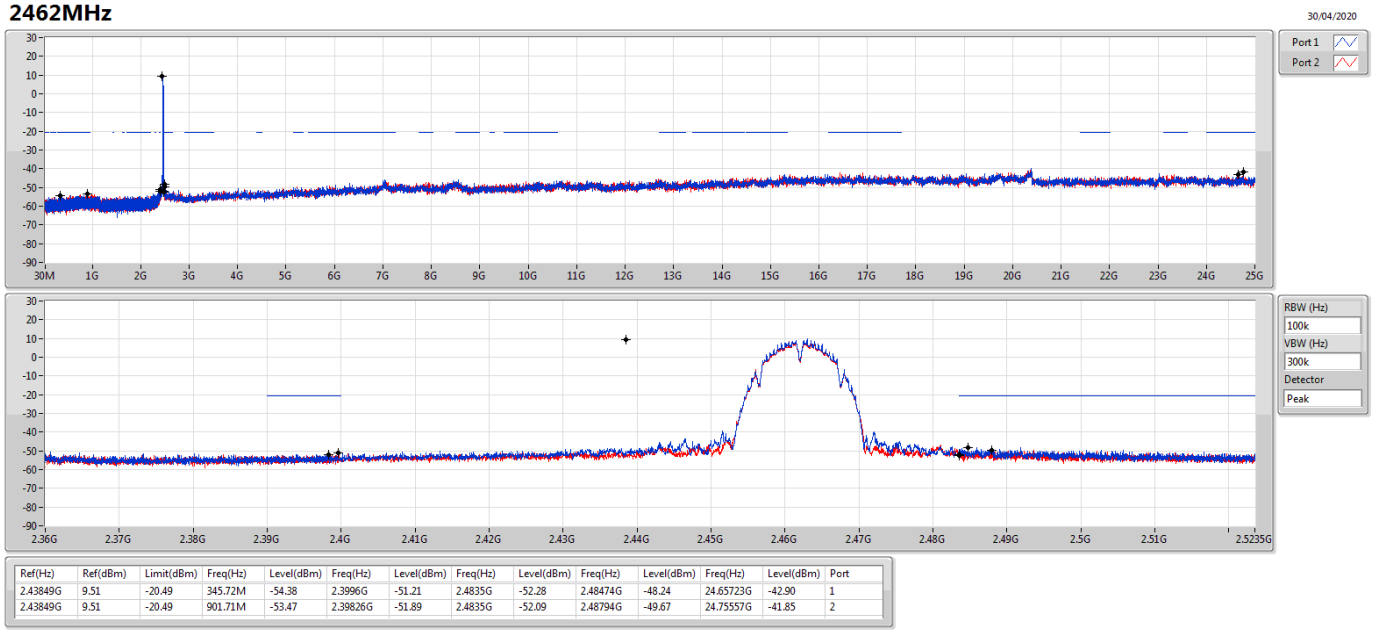
2437MHz



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
2.43849G	9.51	-20.49	2.30233G	-54.04	2.39232G	-50.08	2.4G	-50.63	2.4939G	-49.82	16.20045G	-42.31	1
2.43849G	9.51	-20.49	840.26M	-53.88	2.3992G	-50.87	2.4835G	-53.20	2.49586G	-49.66	17.60804G	-43.38	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

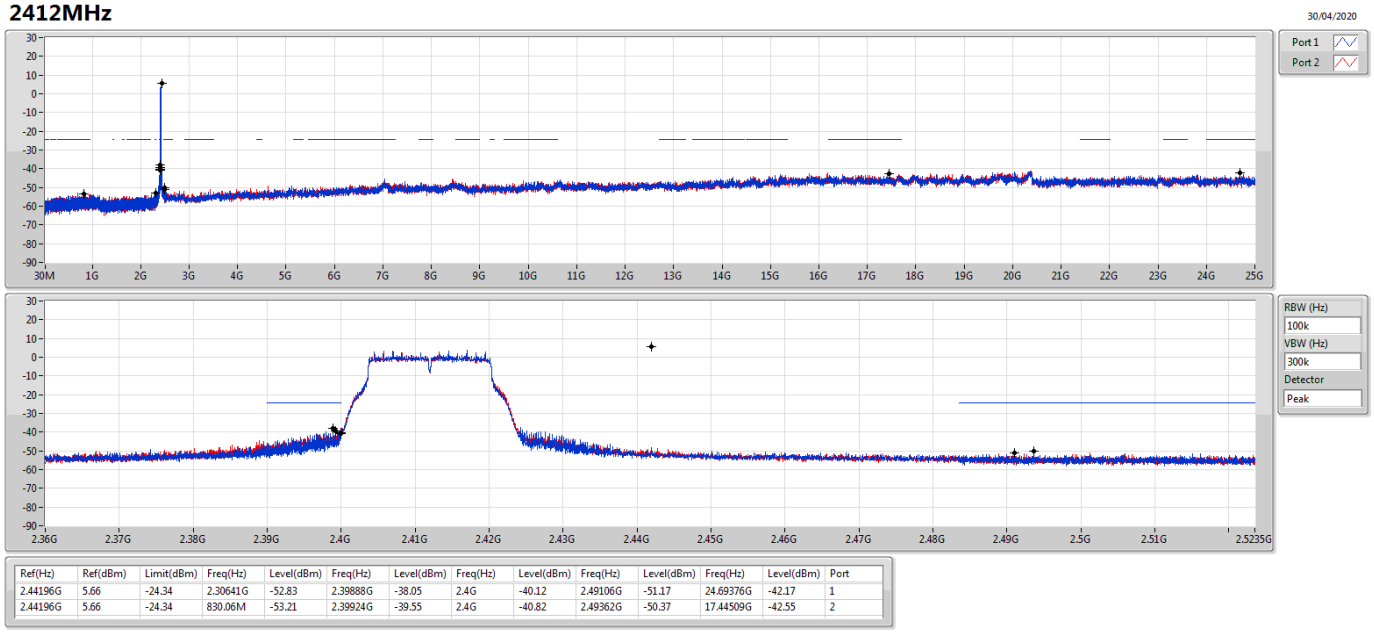
2462MHz



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
2.43849G	9.51	-20.49	345.72M	-54.38	2.3996G	-51.21	2.4835G	-52.28	2.48474G	-48.24	24.65723G	-42.90	1
2.43849G	9.51	-20.49	901.71M	-53.47	2.39826G	-51.89	2.4835G	-52.09	2.48794G	-49.67	24.75557G	-41.85	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

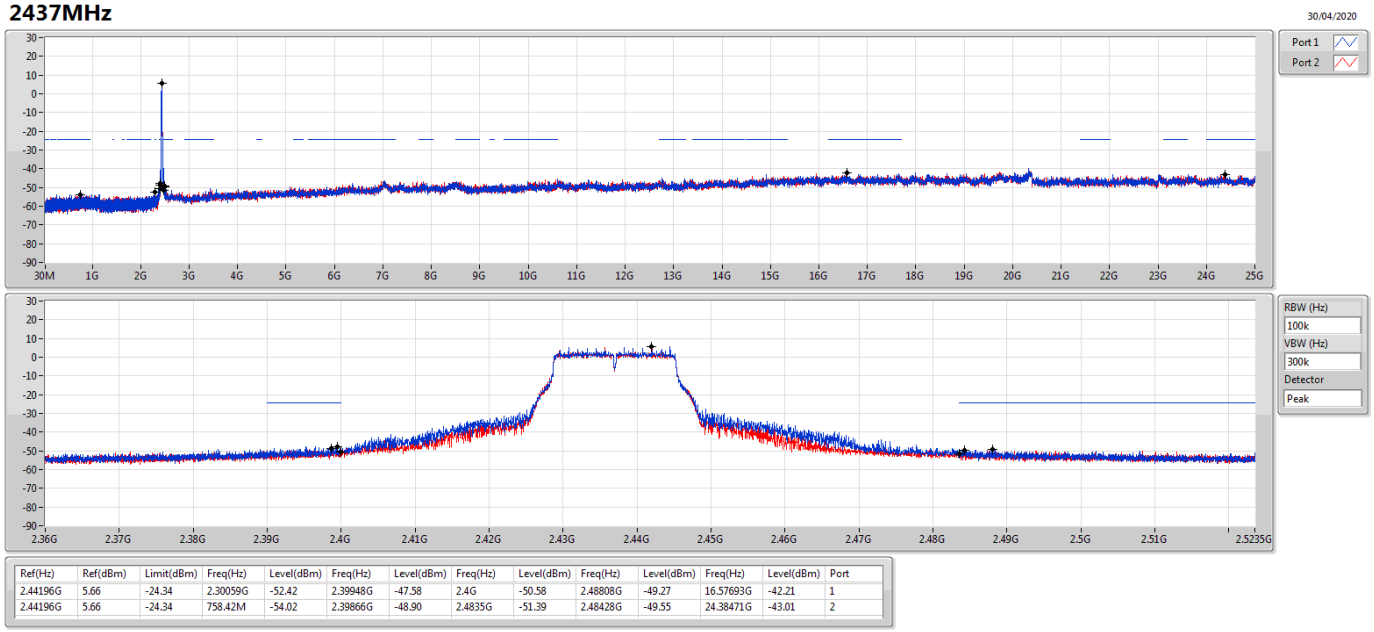
2412MHz



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
2.44196G	5.66	-24.34	2.30641G	-52.83	2.39888G	-38.05	2.4G	-40.12	2.49106G	-51.17	24.69376G	-42.17	1
2.44196G	5.66	-24.34	830.06M	-53.21	2.39924G	-39.55	2.4G	-40.82	2.49362G	-50.37	17.44509G	-42.55	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

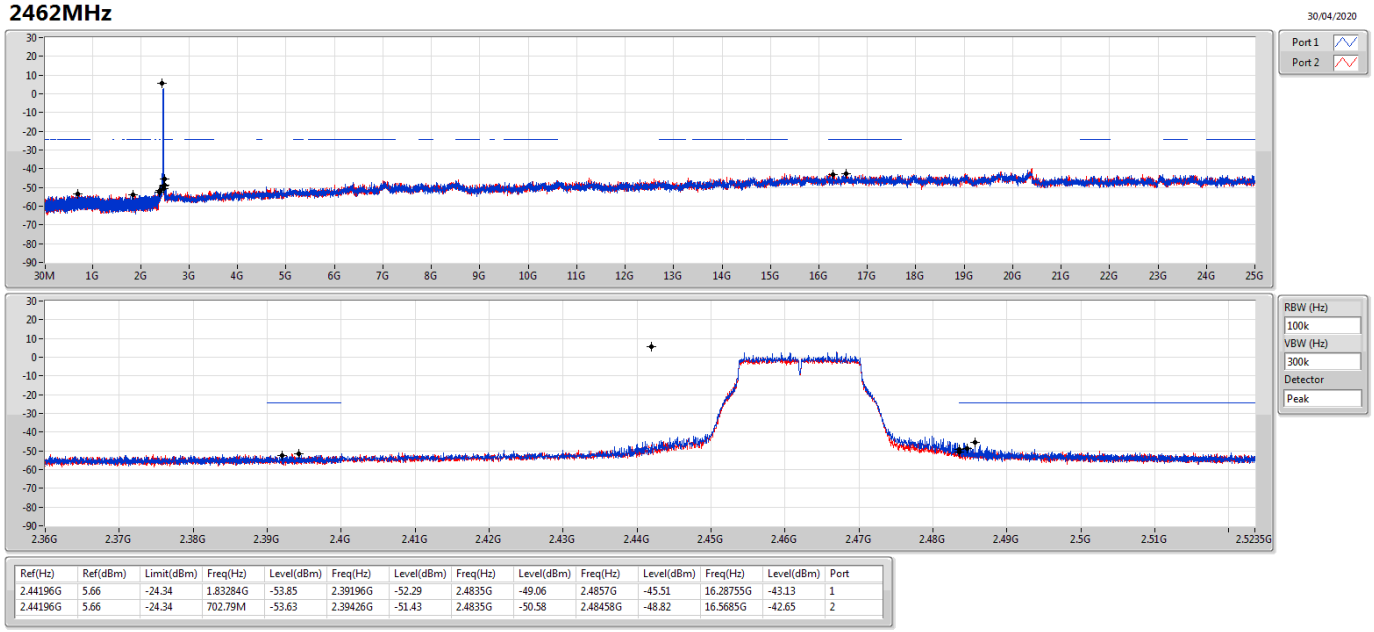
2437MHz



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
2.44196G	5.66	-24.34	2.30059G	-52.42	2.39948G	-47.58	2.4G	-50.58	2.48808G	-49.27	16.57693G	-42.21	1
2.44196G	5.66	-24.34	758.42M	-54.02	2.39866G	-48.90	2.4835G	-51.39	2.48428G	-49.55	24.38471G	-43.01	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

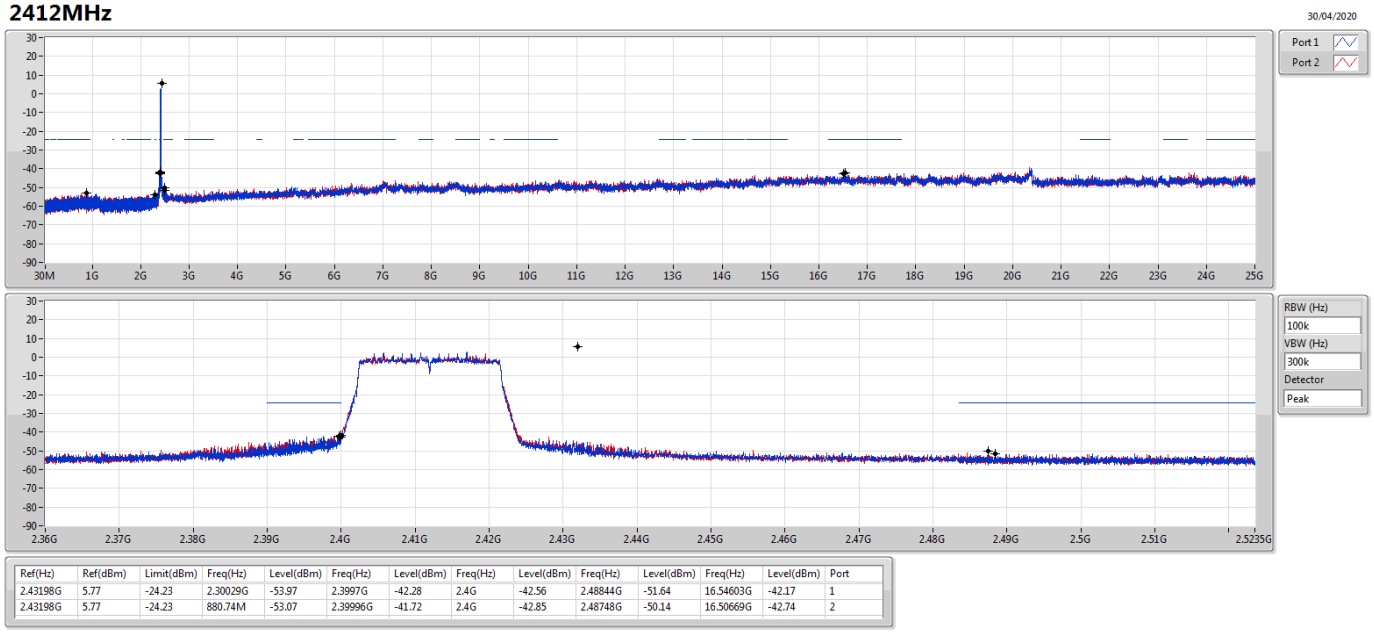
2462MHz



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
2.44196G	5.66	-24.34	1.83284G	-53.85	2.39196G	-52.29	2.4835G	-49.06	2.4857G	-45.51	16.28755G	-43.13	1
2.44196G	5.66	-24.34	702.79M	-53.63	2.39426G	-51.43	2.4835G	-50.58	2.48458G	-48.82	16.5685G	-42.65	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

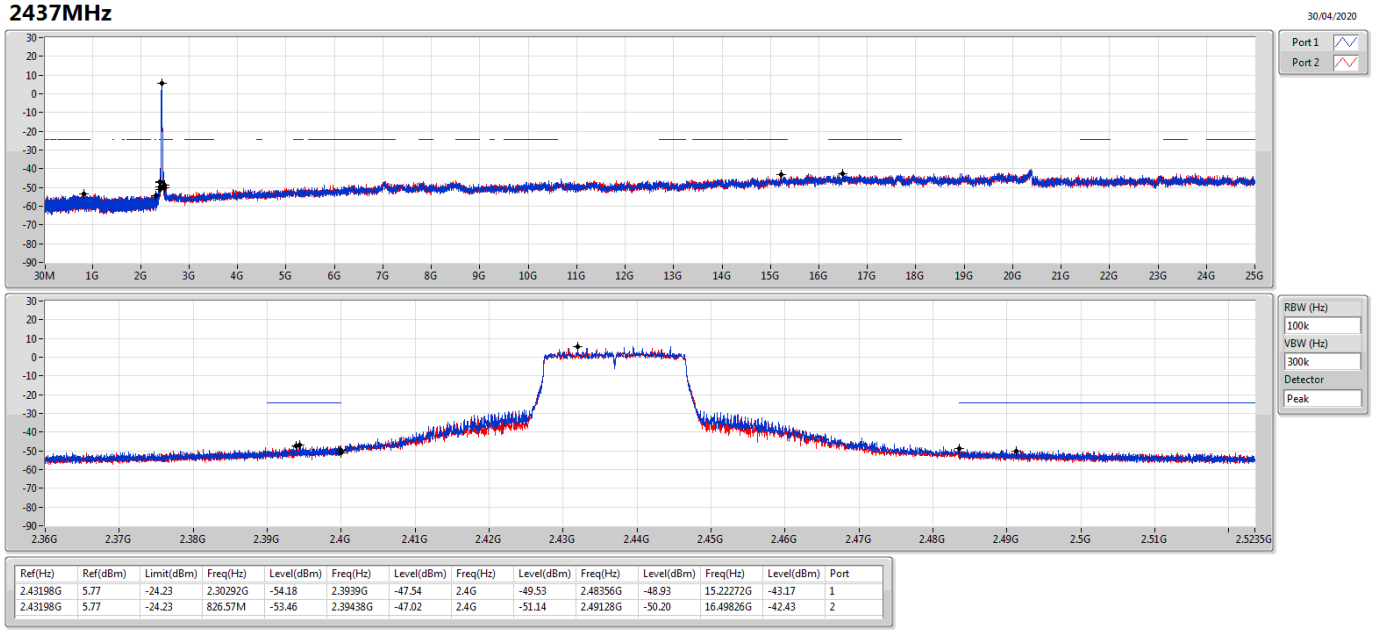
2412MHz



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
2.43198G	5.77	-24.23	2.30029G	-53.97	2.3997G	-42.28	2.4G	-42.56	2.48844G	-51.64	16.54603G	-42.17	1
2.43198G	5.77	-24.23	880.74M	-53.07	2.39996G	-41.72	2.4G	-42.85	2.48748G	-50.14	16.50669G	-42.74	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

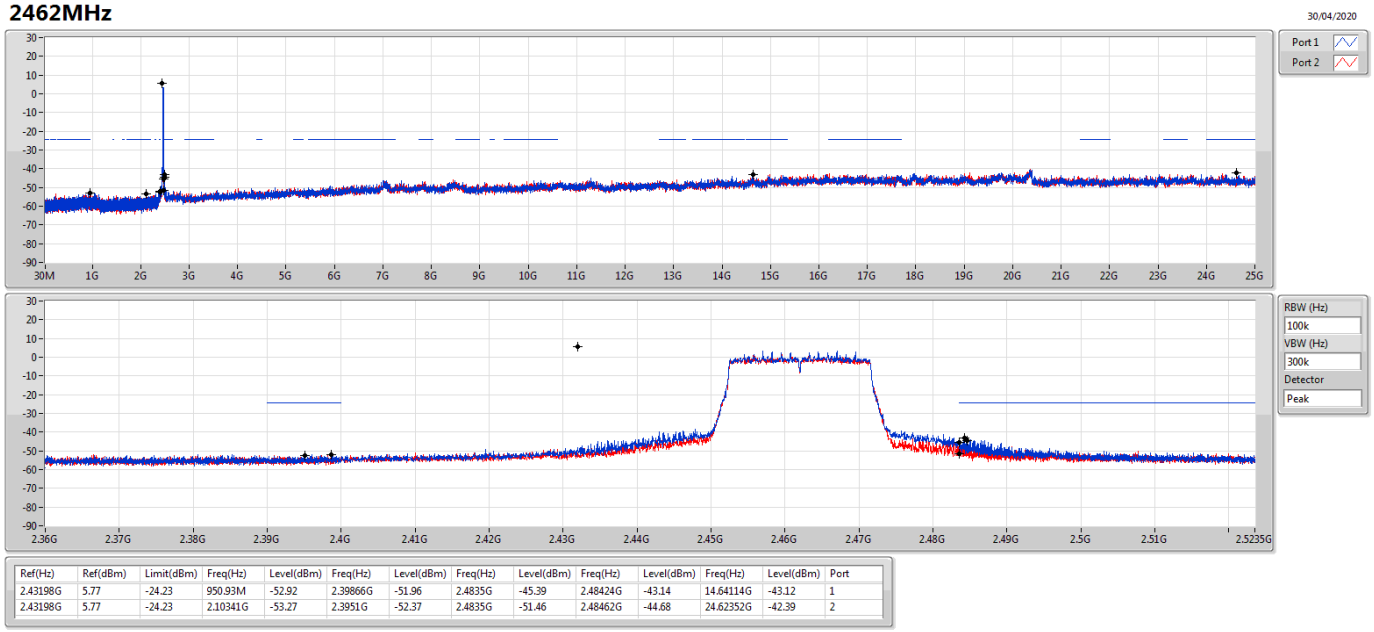
2437MHz



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
2.43198G	5.77	-24.23	2.30292G	-54.18	2.3939G	-47.54	2.4G	-49.53	2.48356G	-48.93	15.22272G	-43.17	1
2.43198G	5.77	-24.23	826.57M	-53.46	2.39438G	-47.02	2.4G	-51.14	2.49128G	-50.20	16.49826G	-42.43	2

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz



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
2.43198G	5.77	-24.23	950.93M	-52.92	2.39866G	-51.96	2.4835G	-45.39	2.48424G	-43.14	14.64114G	-43.12	1
2.43198G	5.77	-24.23	2.10341G	-53.27	2.3951G	-52.37	2.4835G	-51.46	2.48462G	-44.68	24.62352G	-42.39	2

<2T2S>

Summary

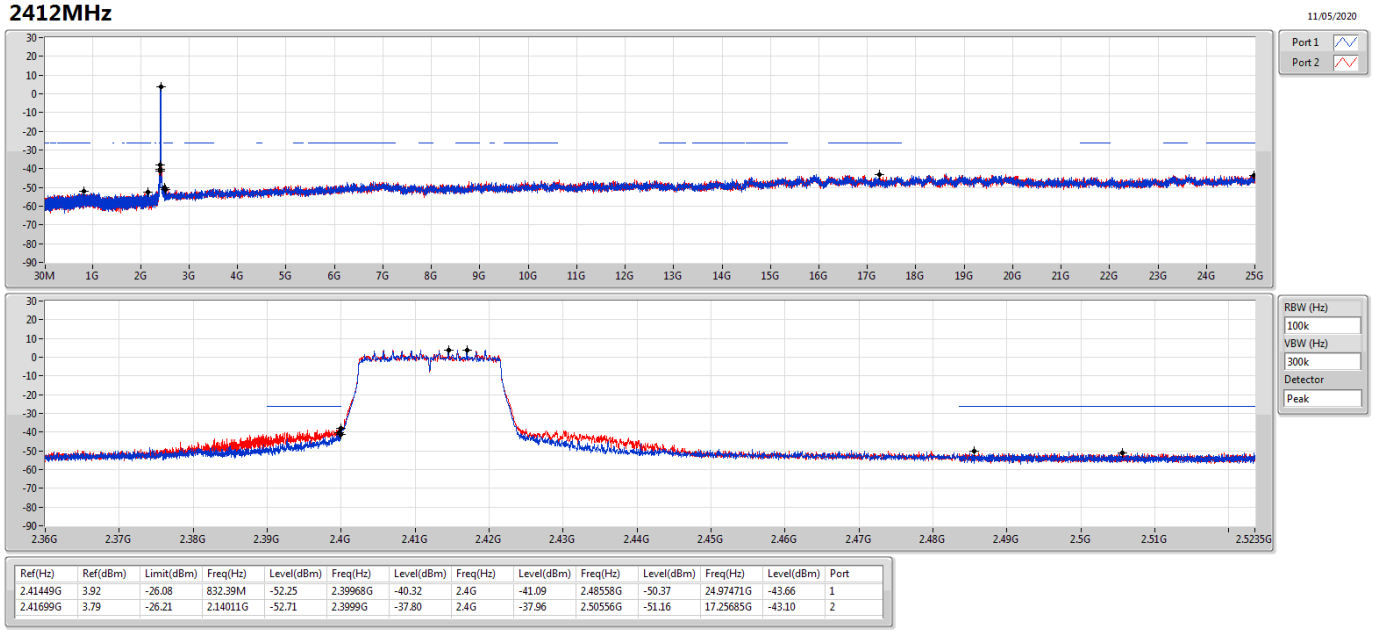
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.41699G	3.79	-26.21	2.14011G	-52.71	2.3999G	-37.80	2.4G	-37.96	2.50556G	-51.16	17.25685G	-43.10	2

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	2.41449G	3.92	-26.08	832.39M	-52.25	2.39968G	-40.32	2.4G	-41.09	2.48558G	-50.37	24.97471G	-43.66	1
2412MHz	Pass	2.41699G	3.79	-26.21	2.14011G	-52.71	2.3999G	-37.80	2.4G	-37.96	2.50556G	-51.16	17.25685G	-43.10	2
2462MHz	Pass	2.46697G	4.64	-25.36	617.16M	-52.00	2.39992G	-50.62	2.4835G	-49.89	2.48586G	-43.72	24.02508G	-43.24	1
2462MHz	Pass	2.46701G	3.60	-26.40	2.30699G	-52.52	2.3989G	-50.15	2.4835G	-47.39	2.48366G	-41.72	24.97471G	-42.99	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

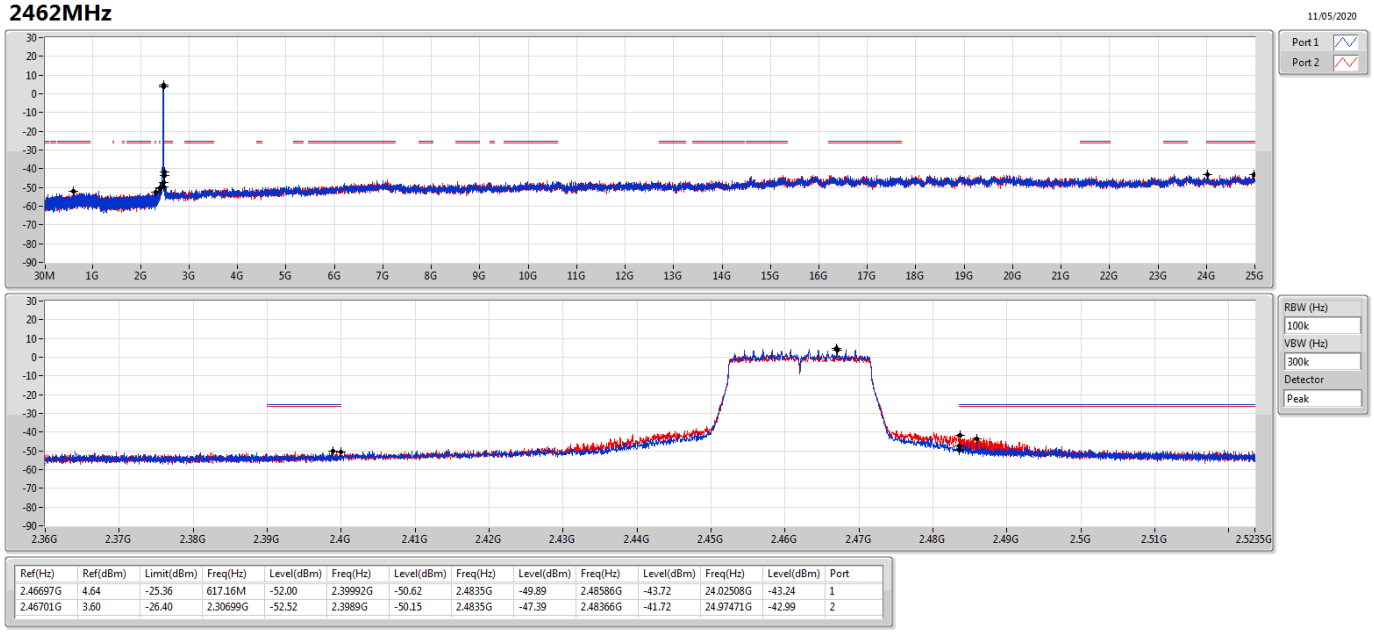
2412MHz



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
2.41449G	3.92	-26.08	832.39M	-52.25	2.39968G	-40.32	2.4G	-41.09	2.48558G	-50.37	24.97471G	-43.66	1
2.41699G	3.79	-26.21	2.14011G	-52.71	2.3999G	-37.80	2.4G	-37.96	2.50556G	-51.16	17.25685G	-43.10	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

2462MHz

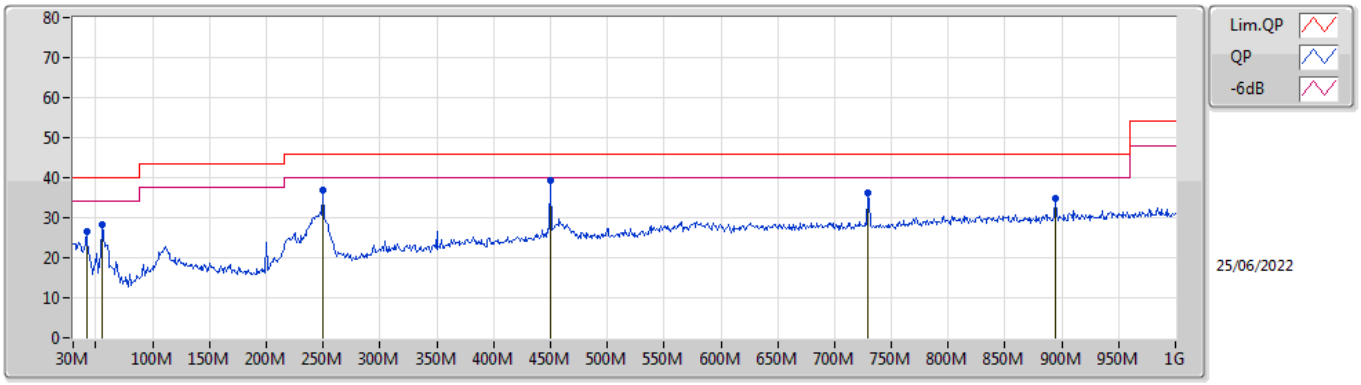


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46697G	4.64	-25.36	617.16M	-52.00	2.39992G	-50.62	2.4835G	-49.89	2.48586G	-43.72	24.02508G	-43.24	1
2.46701G	3.60	-26.40	2.30699G	-52.52	2.3989G	-50.15	2.4835G	-47.39	2.48366G	-41.72	24.97471G	-42.99	2

Summary

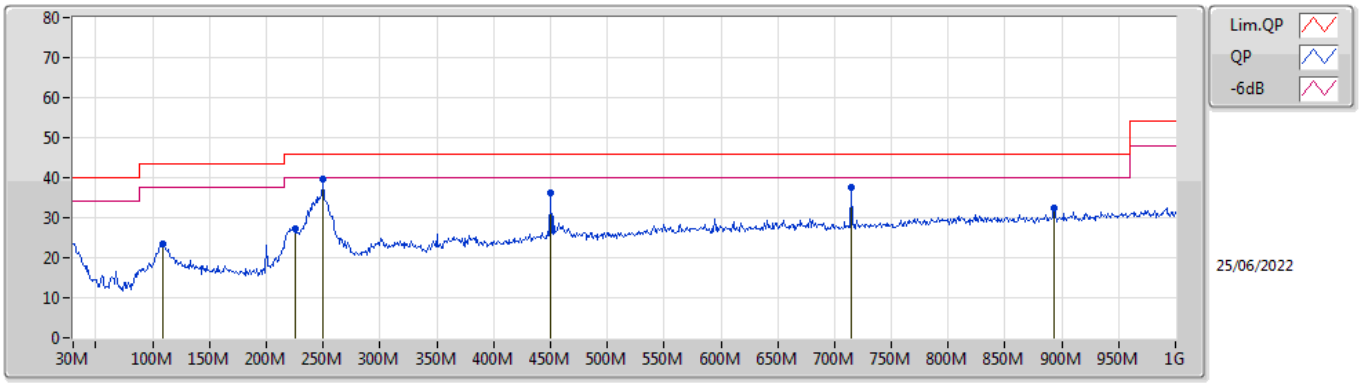
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	250.19M	39.65	46.00	-6.35	Horizontal

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	41.64M	26.47	40.00	-13.53	-13.14	3	Vertical	280	1.00	-	39.61	17.71	0.93	31.78
PK	55.22M	28.31	40.00	-11.69	-18.10	3	Vertical	351	1.00	-	46.41	12.69	1.10	31.89
PK	250.19M	36.84	46.00	-9.16	-11.28	3	Vertical	6	1.00	-	48.12	18.22	2.50	32.00
PK	450.01M	39.32	46.00	-6.68	-6.19	3	Vertical	74	1.25	"Worst"	45.51	22.57	3.50	32.26
PK	729.37M	36.27	46.00	-9.73	-3.02	3	Vertical	194	2.00	-	39.29	24.95	4.62	32.59
PK	894.27M	34.78	46.00	-11.22	-1.03	3	Vertical	315	2.00	-	35.81	26.18	5.28	32.49

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	108.57M	23.45	43.50	-20.05	-12.88	3	Horizontal	253	1.50	-	36.33	17.55	1.54	31.97
PK	224.97M	27.40	46.00	-18.60	-14.31	3	Horizontal	112	1.50	-	41.71	15.35	2.35	32.01
PK	250.19M	39.65	46.00	-6.35	-11.28	3	Horizontal	111	1.00	"Worst"	50.93	18.22	2.50	32.00
PK	450.01M	36.13	46.00	-9.87	-6.19	3	Horizontal	206	1.00	-	42.32	22.57	3.50	32.26
PK	714.82M	37.45	46.00	-8.55	-3.36	3	Horizontal	264	1.50	-	40.81	24.65	4.56	32.57
PK	893.3M	32.47	46.00	-13.53	-1.05	3	Horizontal	105	1.50	-	33.52	26.17	5.27	32.49

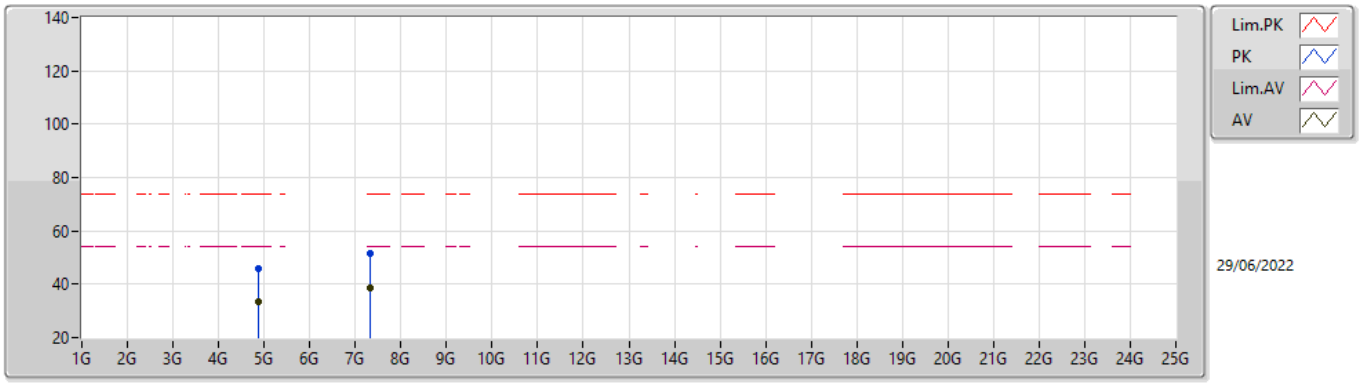
For Radiated Cabinet:

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	7.3104G	38.46	54.00	-15.54	3	Vertical	225	2.38	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

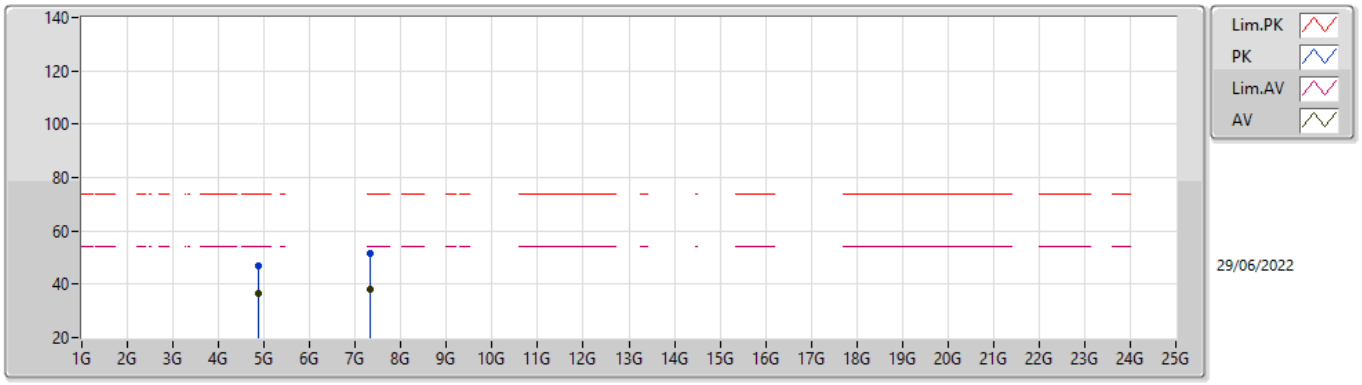


EUT Z_2TX
Setting 16
04-E-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87456G	45.80	74.00	-28.20	41.29	3	Vertical	161	1.00	-	32.90	4.84	33.23
AV	4.87398G	33.46	54.00	-20.54	28.95	3	Vertical	161	1.00	-	32.90	4.84	33.23
PK	7.31316G	51.61	74.00	-22.39	41.72	3	Vertical	225	2.38	-	37.50	6.06	33.67
AV	7.3104G	38.46	54.00	-15.54	28.56	3	Vertical	225	2.38	-	37.50	6.06	33.66

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



EUT Z_2TX
Setting 16
04-E-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8741G	46.86	74.00	-27.14	42.35	3	Horizontal	224	2.42	-	32.90	4.84	33.23
AV	4.87402G	36.54	54.00	-17.46	32.03	3	Horizontal	224	2.42	-	32.90	4.84	33.23
PK	7.3116G	51.70	74.00	-22.30	41.80	3	Horizontal	14	1.00	-	37.50	6.06	33.66
AV	7.31518G	38.29	54.00	-15.71	28.40	3	Horizontal	14	1.00	-	37.50	6.06	33.67

<2T1S>

For Conducted Harmonic (1~3GHz):
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	2.4835G	2.5235G	AV	2.50126G	6.43	-52.24	-56.88	-50.96	-44.53	-41.20	-3.33
802.11g_Nss1,(6Mbps)_2TX	Pass	2.36G	2.4G	AV	2.3792G	5.99	-54.27	-53.89	-51.07	-45.08	-41.20	-3.88
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.36G	2.4G	AV	2.38088G	5.99	-54.68	-53.17	-50.85	-44.86	-41.20	-3.66

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

Result

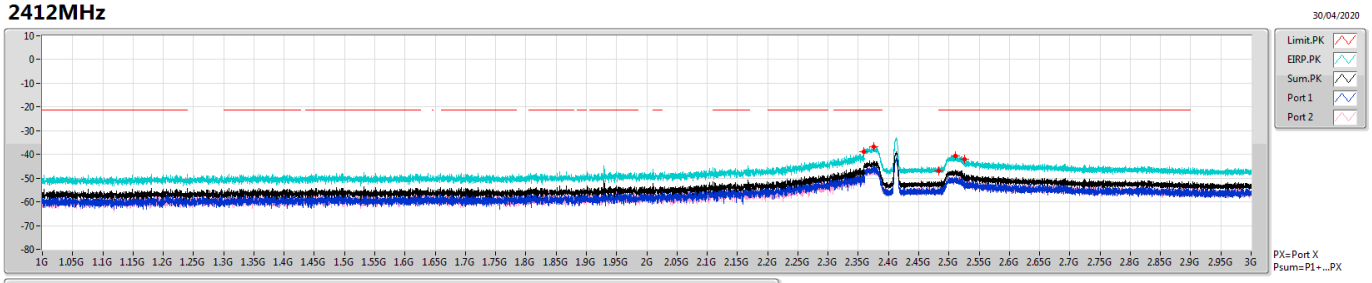
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.35609G	5.99	-57.02	-58.91	-54.85	-48.86	-41.20	-7.66
2412MHz	Pass	2.36G	2.4G	AV	2.38024G	5.99	-55.33	-56.34	-52.80	-46.81	-41.20	-5.61
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.99	-65.43	-65.33	-62.37	-56.38	-41.20	-15.18
2412MHz	Pass	2.4835G	2.5235G	AV	2.50526G	5.99	-59.92	-59.92	-56.91	-50.92	-41.20	-9.72
2412MHz	Pass	2.5235G	3G	AV	2.52731G	5.99	-61.63	-61.55	-58.58	-52.59	-41.20	-11.39
2412MHz	Pass	1G	2.36G	PK	2.35864G	5.99	-47.08	-48.84	-44.86	-38.87	-21.20	-17.67
2412MHz	Pass	2.36G	2.4G	PK	2.37528G	5.99	-44.89	-46.88	-42.76	-36.77	-21.20	-15.57
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.99	-55.59	-56.00	-52.78	-46.79	-21.20	-25.59
2412MHz	Pass	2.4835G	2.5235G	PK	2.51134G	5.99	-49.98	-49.54	-46.74	-40.75	-21.20	-19.55
2412MHz	Pass	2.5235G	3G	PK	2.52553G	5.99	-49.55	-52.75	-47.85	-41.86	-21.20	-20.66
2437MHz	Pass	1G	2.36G	AV	1.94962G	6.43	-57.85	-57.66	-54.74	-48.31	-41.20	-7.11
2437MHz	Pass	2.36G	2.4G	AV	2.3888G	6.43	-58.57	-56.81	-54.59	-48.16	-41.20	-6.96
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-64.10	-63.56	-60.81	-54.38	-41.20	-13.18
2437MHz	Pass	2.4835G	2.5235G	AV	2.49542G	6.43	-60.39	-57.51	-55.71	-49.28	-41.20	-8.08
2437MHz	Pass	2.5235G	3G	AV	2.52969G	6.43	-61.16	-60.43	-57.77	-51.34	-41.20	-10.14
2437MHz	Pass	1G	2.36G	PK	2.3447G	6.43	-47.94	-52.26	-46.57	-40.14	-21.20	-18.94
2437MHz	Pass	2.36G	2.4G	PK	2.38896G	6.43	-49.78	-45.18	-43.89	-37.46	-21.20	-16.26
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-53.75	-54.40	-51.05	-44.62	-21.20	-23.42
2437MHz	Pass	2.4835G	2.5235G	PK	2.50166G	6.43	-48.01	-48.49	-45.23	-38.80	-21.20	-17.60
2437MHz	Pass	2.5235G	3G	PK	2.54208G	6.43	-52.36	-49.04	-47.38	-40.95	-21.20	-19.75
2462MHz	Pass	1G	2.36G	AV	2.36G	6.43	-57.39	-59.98	-55.48	-49.05	-41.20	-7.85
2462MHz	Pass	2.36G	2.4G	AV	2.3612G	6.43	-56.11	-57.71	-53.83	-47.40	-41.20	-6.20
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-65.44	-65.89	-62.65	-56.22	-41.20	-15.02
2462MHz	Pass	2.4835G	2.5235G	AV	2.50126G	6.43	-52.24	-56.88	-50.96	-44.53	-41.20	-3.33
2462MHz	Pass	2.5235G	3G	AV	2.52743G	6.43	-56.95	-58.20	-54.52	-48.09	-41.20	-6.89
2462MHz	Pass	1G	2.36G	PK	2.3583G	6.43	-51.68	-49.53	-47.46	-41.03	-21.20	-19.83
2462MHz	Pass	2.36G	2.4G	PK	2.36304G	6.43	-46.84	-49.31	-44.89	-38.46	-21.20	-17.26
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-56.14	-54.55	-52.26	-45.83	-21.20	-24.63
2462MHz	Pass	2.4835G	2.5235G	PK	2.50006G	6.43	-44.13	-46.51	-42.15	-35.72	-21.20	-14.52
2462MHz	Pass	2.5235G	3G	PK	2.52719G	6.43	-46.40	-48.65	-44.37	-37.94	-21.20	-16.74
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.35592G	5.99	-56.18	-58.96	-54.34	-48.35	-41.20	-7.15
2412MHz	Pass	2.36G	2.4G	AV	2.3792G	5.99	-54.27	-53.89	-51.07	-45.08	-41.20	-3.88
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.99	-65.49	-65.68	-62.57	-56.58	-41.20	-15.38
2412MHz	Pass	2.4835G	2.5235G	AV	2.50238G	5.99	-60.30	-59.63	-56.94	-50.95	-41.20	-9.75
2412MHz	Pass	2.5235G	3G	AV	2.52517G	5.99	-61.53	-61.28	-58.39	-52.40	-41.20	-11.20
2412MHz	Pass	1G	2.36G	PK	2.35813G	5.99	-46.86	-48.12	-44.43	-38.44	-21.20	-17.24
2412MHz	Pass	2.36G	2.4G	PK	2.38272G	5.99	-39.59	-36.86	-35.00	-29.01	-21.20	-7.81
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.99	-56.90	-55.66	-53.23	-47.24	-21.20	-26.04
2412MHz	Pass	2.4835G	2.5235G	PK	2.50142G	5.99	-50.29	-48.00	-45.99	-40.00	-21.20	-18.80
2412MHz	Pass	2.5235G	3G	PK	2.52755G	5.99	-51.13	-51.52	-48.31	-42.32	-21.20	-21.12
2437MHz	Pass	1G	2.36G	AV	2.35592G	6.43	-57.29	-58.33	-54.77	-48.34	-41.20	-7.14
2437MHz	Pass	2.36G	2.4G	AV	2.37512G	6.43	-55.42	-56.62	-52.97	-46.54	-41.20	-5.34
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-65.36	-65.57	-62.45	-56.02	-41.20	-14.82
2437MHz	Pass	2.4835G	2.5235G	AV	2.50398G	6.43	-55.60	-56.77	-53.14	-46.71	-41.20	-5.51
2437MHz	Pass	2.5235G	3G	AV	2.52898G	6.43	-58.22	-59.24	-55.69	-49.26	-41.20	-8.06
2437MHz	Pass	1G	2.36G	PK	2.33858G	6.43	-47.20	-51.40	-45.80	-39.37	-21.20	-18.17
2437MHz	Pass	2.36G	2.4G	PK	2.3812G	6.43	-42.07	-46.38	-40.70	-34.27	-21.20	-13.07
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-55.68	-54.57	-52.08	-45.65	-21.20	-24.45
2437MHz	Pass	2.4835G	2.5235G	PK	2.51166G	6.43	-47.46	-44.57	-42.77	-36.34	-21.20	-15.14
2437MHz	Pass	2.5235G	3G	PK	2.5347G	6.43	-47.47	-49.10	-45.20	-38.77	-21.20	-17.57
2462MHz	Pass	1G	2.36G	AV	1.96951G	6.43	-60.08	-59.17	-56.59	-50.16	-41.20	-8.96

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	AV	2.3648G	6.43	-59.12	-59.04	-56.07	-49.64	-41.20	-8.44
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-65.80	-64.92	-62.33	-55.90	-41.20	-14.70
2462MHz	Pass	2.4835G	2.5235G	AV	2.50406G	6.43	-54.93	-57.86	-53.14	-46.71	-41.20	-5.51
2462MHz	Pass	2.5235G	3G	AV	2.52457G	6.43	-58.79	-59.19	-55.98	-49.55	-41.20	-8.35
2462MHz	Pass	1G	2.36G	PK	2.35541G	6.43	-51.54	-49.41	-47.34	-40.91	-21.20	-19.71
2462MHz	Pass	2.36G	2.4G	PK	2.37192G	6.43	-48.06	-49.38	-45.66	-39.23	-21.20	-18.03
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-56.36	-55.78	-53.05	-46.62	-21.20	-25.42
2462MHz	Pass	2.4835G	2.5235G	PK	2.50502G	6.43	-43.85	-45.98	-41.78	-35.35	-21.20	-14.15
2462MHz	Pass	2.5235G	3G	PK	2.5428G	6.43	-48.85	-49.61	-46.20	-39.77	-21.20	-18.57
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.36G	AV	2.3583G	5.99	-57.10	-57.55	-54.31	-48.32	-41.20	-7.12
2412MHz	Pass	2.36G	2.4G	AV	2.38088G	5.99	-54.68	-53.17	-50.85	-44.86	-41.20	-3.66
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.99	-65.59	-65.56	-62.56	-56.57	-41.20	-15.37
2412MHz	Pass	2.4835G	2.5235G	AV	2.50102G	5.99	-59.94	-60.36	-57.13	-51.14	-41.20	-9.94
2412MHz	Pass	2.5235G	3G	AV	2.52934G	5.99	-61.98	-61.29	-58.61	-52.62	-41.20	-11.42
2412MHz	Pass	1G	2.36G	PK	2.35983G	5.99	-48.70	-47.74	-45.18	-39.19	-21.20	-17.99
2412MHz	Pass	2.36G	2.4G	PK	2.38256G	5.99	-40.00	-38.91	-36.41	-30.42	-21.20	-9.22
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.99	-56.02	-54.00	-51.88	-45.89	-21.20	-24.69
2412MHz	Pass	2.4835G	2.5235G	PK	2.5055G	5.99	-48.68	-49.23	-45.94	-39.95	-21.20	-18.75
2412MHz	Pass	2.5235G	3G	PK	2.52731G	5.99	-51.28	-50.86	-48.05	-42.06	-21.20	-20.86
2437MHz	Pass	1G	2.36G	AV	2.3583G	6.43	-57.60	-58.83	-55.16	-48.73	-41.20	-7.53
2437MHz	Pass	2.36G	2.4G	AV	2.38032G	6.43	-54.78	-55.59	-52.16	-45.73	-41.20	-4.53
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-65.39	-65.33	-62.35	-55.92	-41.20	-14.72
2437MHz	Pass	2.4835G	2.5235G	AV	2.5007G	6.43	-55.87	-56.12	-52.98	-46.55	-41.20	-5.35
2437MHz	Pass	2.5235G	3G	AV	2.52612G	6.43	-59.13	-58.08	-55.56	-49.13	-41.20	-7.93
2437MHz	Pass	1G	2.36G	PK	2.35762G	6.43	-46.87	-49.29	-44.90	-38.47	-21.20	-17.27
2437MHz	Pass	2.36G	2.4G	PK	2.37336G	6.43	-43.60	-41.19	-39.22	-32.79	-21.20	-11.59
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-55.78	-55.57	-52.66	-46.23	-21.20	-25.03
2437MHz	Pass	2.4835G	2.5235G	PK	2.50078G	6.43	-46.11	-44.92	-42.46	-36.03	-21.20	-14.83
2437MHz	Pass	2.5235G	3G	PK	2.53494G	6.43	-48.89	-47.96	-45.39	-38.96	-21.20	-17.76
2462MHz	Pass	1G	2.36G	AV	2.35779G	6.43	-58.90	-60.87	-56.76	-50.33	-41.20	-9.13
2462MHz	Pass	2.36G	2.4G	AV	2.36352G	6.43	-58.76	-60.18	-56.40	-49.97	-41.20	-8.77
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-64.80	-65.54	-62.14	-55.71	-41.20	-14.51
2462MHz	Pass	2.4835G	2.5235G	AV	2.49854G	6.43	-55.42	-57.44	-53.30	-46.87	-41.20	-5.67
2462MHz	Pass	2.5235G	3G	AV	2.52684G	6.43	-58.48	-59.39	-55.90	-49.47	-41.20	-8.27
2462MHz	Pass	1G	2.36G	PK	2.35031G	6.43	-51.33	-51.00	-48.15	-41.72	-21.20	-20.52
2462MHz	Pass	2.36G	2.4G	PK	2.36792G	6.43	-48.87	-49.81	-46.30	-39.87	-21.20	-18.67
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-56.24	-56.71	-53.46	-47.03	-21.20	-25.83
2462MHz	Pass	2.4835G	2.5235G	PK	2.4975G	6.43	-41.53	-44.57	-39.78	-33.35	-21.20	-12.15
2462MHz	Pass	2.5235G	3G	PK	2.52612G	6.43	-49.34	-47.09	-45.06	-38.63	-21.20	-17.43

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

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

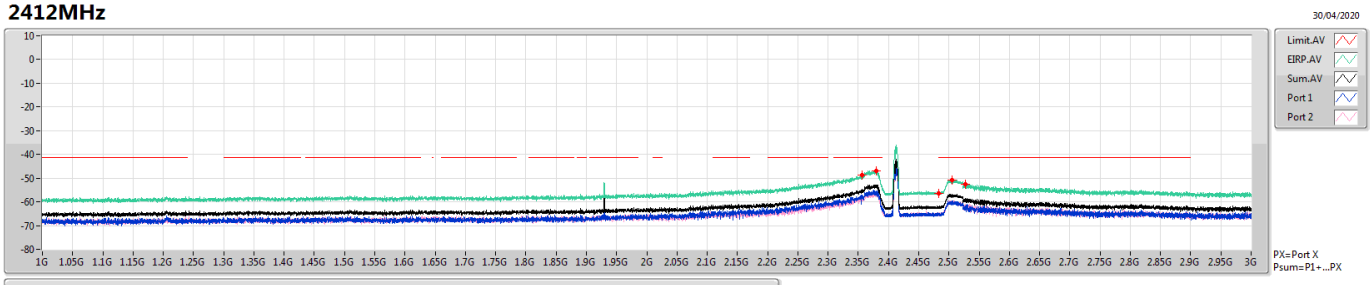
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35864G	-38.87	-21.20	-17.67	5.99	0.00	-44.86	-47.08	-48.84
2.36G	2.4G	1M	PK	2.37528G	-36.77	-21.20	-15.57	5.99	0.00	-42.76	-44.89	-46.88
2.4G	2.4835G	1M	PK	2.4835G	-46.79	-21.20	-25.59	5.99	0.00	-52.78	-55.59	-56.00
2.4835G	2.5235G	1M	PK	2.51134G	-40.75	-21.20	-19.55	5.99	0.00	-46.74	-49.98	-49.54
2.5235G	3G	1M	PK	2.52553G	-41.86	-21.20	-20.66	5.99	0.00	-47.85	-49.55	-52.75

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

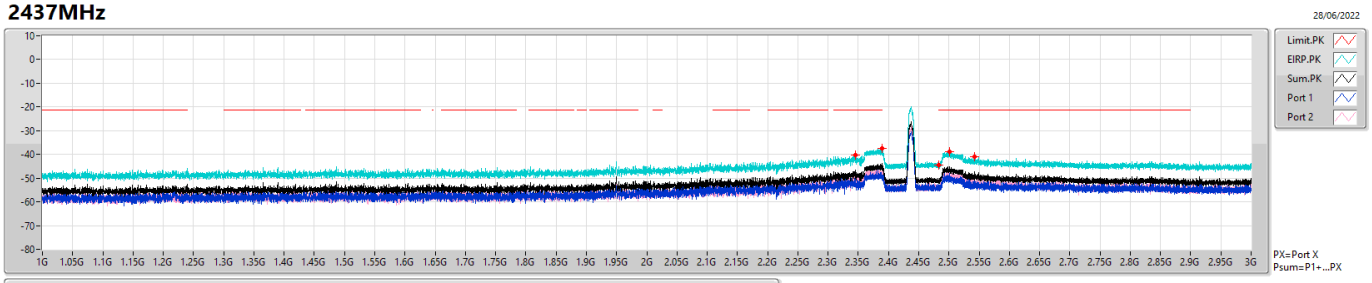
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.35609G	-48.86	-41.20	-7.66	5.99	0.00	-54.85	-57.02	-58.91
2.36G	2.4G	1M	AV	2.38024G	-46.81	-41.20	-5.61	5.99	0.00	-52.80	-55.33	-56.34
2.4G	2.4835G	1M	AV	2.4835G	-56.38	-41.20	-15.18	5.99	0.00	-62.37	-65.43	-65.33
2.4835G	2.5235G	1M	AV	2.50526G	-50.92	-41.20	-9.72	5.99	0.00	-56.91	-59.92	-59.92
2.5235G	3G	1M	AV	2.52731G	-52.59	-41.20	-11.39	5.99	0.00	-58.58	-61.63	-61.55

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

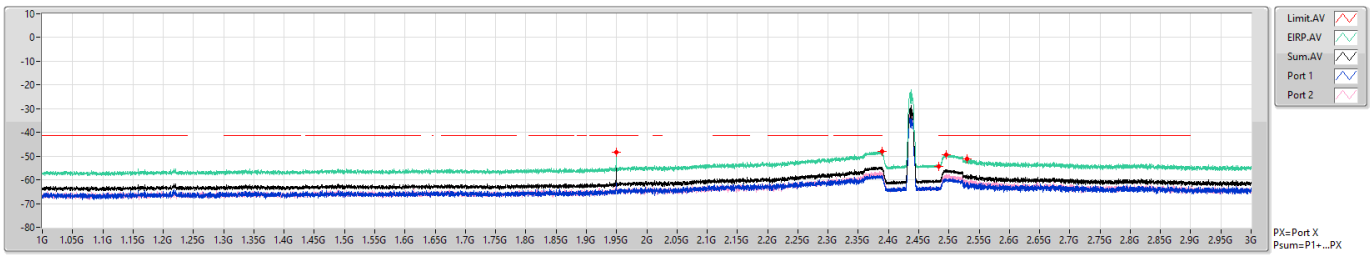
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.3447G	-40.14	-21.20	-18.94	6.43	0.00	-46.57	-47.94	-52.26
2.36G	2.4G	1M	PK	2.38896G	-37.46	-21.20	-16.26	6.43	0.00	-43.89	-49.78	-45.18
2.4G	2.4835G	1M	PK	2.4835G	-44.62	-21.20	-23.42	6.43	0.00	-51.05	-53.75	-54.40
2.4835G	2.5235G	1M	PK	2.50166G	-38.80	-21.20	-17.60	6.43	0.00	-45.23	-48.01	-48.49
2.5235G	3G	1M	PK	2.54208G	-40.95	-21.20	-19.75	6.43	0.00	-47.38	-52.36	-49.04

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

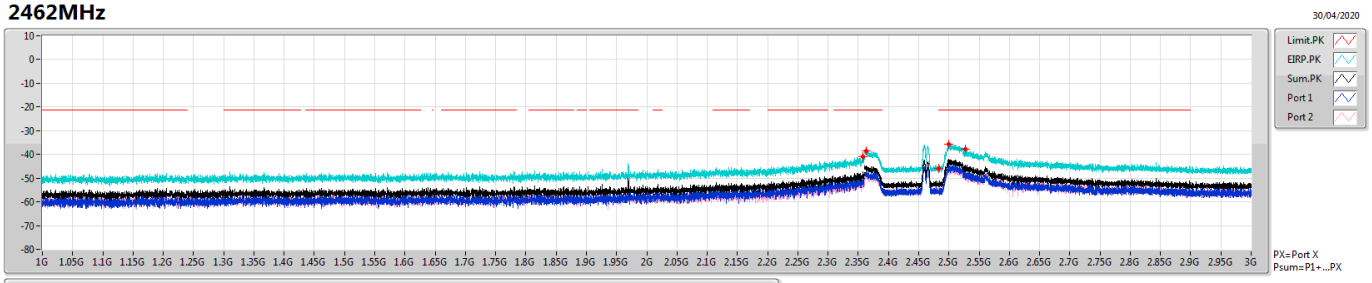
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.94962G	-48.31	-41.20	-7.11	6.43	0.00	-54.74	-57.85	-57.66
2.36G	2.4G	1M	AV	2.3888G	-48.16	-41.20	-6.96	6.43	0.00	-54.59	-58.57	-56.81
2.4G	2.4835G	1M	AV	2.4835G	-54.38	-41.20	-13.18	6.43	0.00	-60.81	-64.10	-63.56
2.4835G	2.5235G	1M	AV	2.49542G	-49.28	-41.20	-8.08	6.43	0.00	-55.71	-60.39	-57.51
2.5235G	3G	1M	AV	2.52969G	-51.34	-41.20	-10.14	6.43	0.00	-57.77	-61.16	-60.43

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

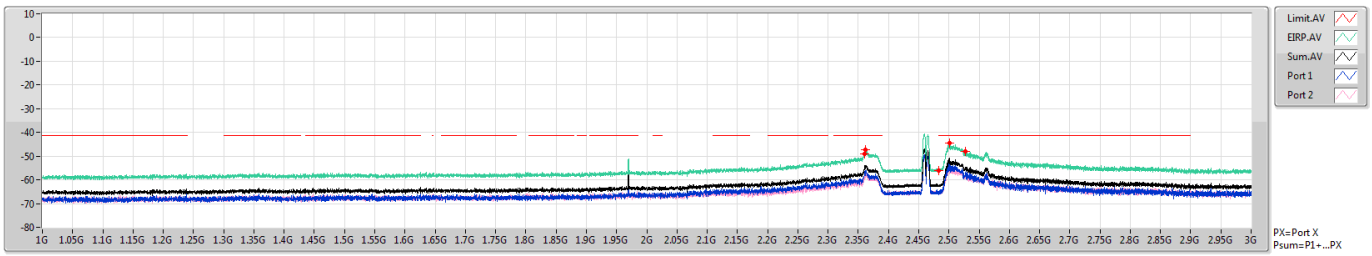
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.3583G	-41.03	-21.20	-19.83	6.43	0.00	-47.46	-51.68	-49.53
2.36G	2.4G	1M	PK	2.36304G	-38.46	-21.20	-17.26	6.43	0.00	-44.89	-46.84	-49.31
2.4G	2.4835G	1M	PK	2.4835G	-45.83	-21.20	-24.63	6.43	0.00	-52.26	-56.14	-54.55
2.4835G	2.5235G	1M	PK	2.50006G	-35.72	-21.20	-14.52	6.43	0.00	-42.15	-44.13	-46.51
2.5235G	3G	1M	PK	2.52719G	-37.94	-21.20	-16.74	6.43	0.00	-44.37	-46.40	-48.65

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

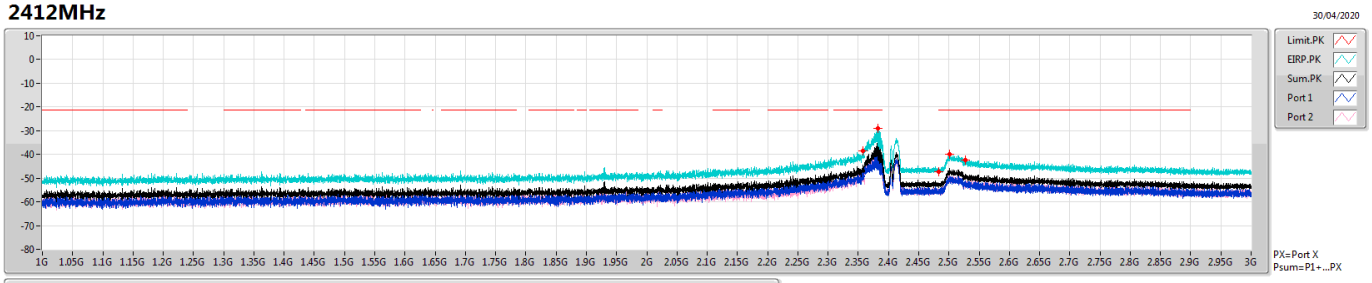
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.36G	-49.05	-41.20	-7.85	6.43	0.00	-55.48	-57.39	-59.98
2.36G	2.4G	1M	AV	2.3612G	-47.40	-41.20	-6.20	6.43	0.00	-53.83	-56.11	-57.71
2.4G	2.4835G	1M	AV	2.4835G	-56.22	-41.20	-15.02	6.43	0.00	-62.65	-65.44	-65.89
2.4835G	2.5235G	1M	AV	2.50126G	-44.53	-41.20	-3.33	6.43	0.00	-50.96	-52.24	-56.88
2.5235G	3G	1M	AV	2.52743G	-48.09	-41.20	-6.89	6.43	0.00	-54.52	-56.95	-58.20

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

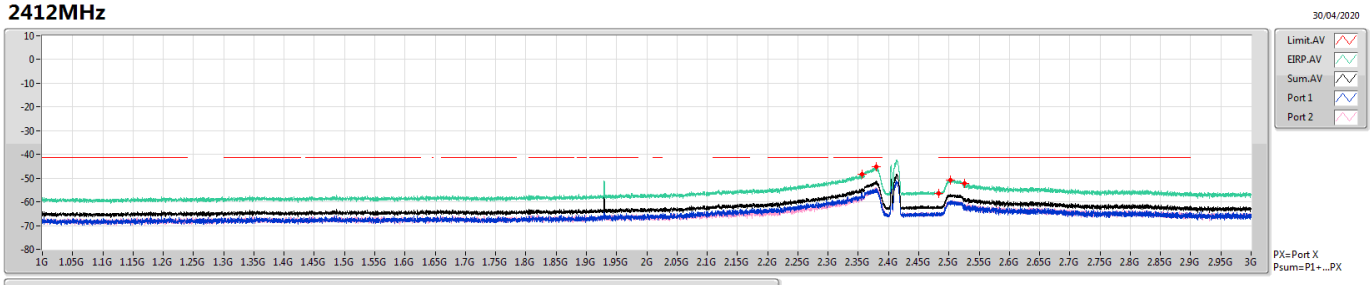
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35813G	-38.44	-21.20	-17.24	5.99	0.00	-44.43	-46.86	-48.12
2.36G	2.4G	1M	PK	2.38272G	-29.01	-21.20	-7.81	5.99	0.00	-35.00	-39.59	-36.86
2.4G	2.4835G	1M	PK	2.4835G	-47.24	-21.20	-26.04	5.99	0.00	-53.23	-56.90	-55.66
2.4835G	2.5235G	1M	PK	2.50142G	-40.00	-21.20	-18.80	5.99	0.00	-45.99	-50.29	-48.00
2.5235G	3G	1M	PK	2.52755G	-42.32	-21.20	-21.12	5.99	0.00	-48.31	-51.13	-51.52

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

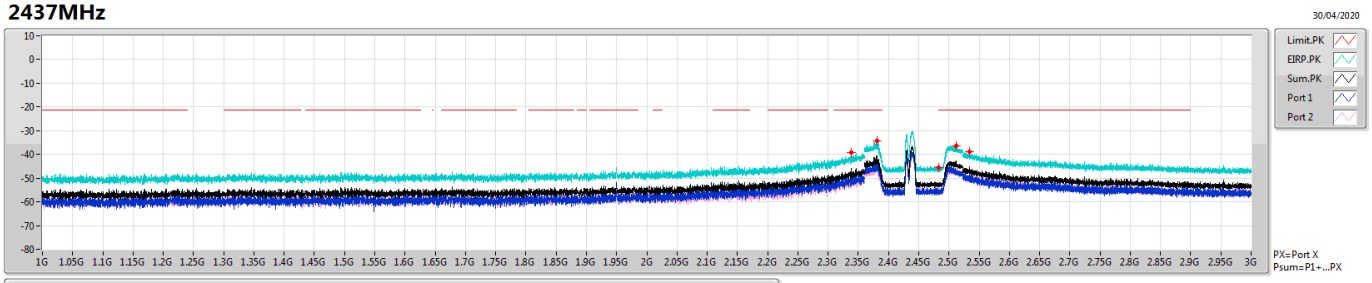
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.35592G	-48.35	-41.20	-7.15	5.99	0.00	-54.34	-56.18	-58.96
2.36G	2.4G	1M	AV	2.3792G	-45.08	-41.20	-3.88	5.99	0.00	-51.07	-54.27	-53.89
2.4G	2.4835G	1M	AV	2.4835G	-56.58	-41.20	-15.38	5.99	0.00	-62.57	-65.49	-65.68
2.4835G	2.5235G	1M	AV	2.50238G	-50.95	-41.20	-9.75	5.99	0.00	-56.94	-60.30	-59.63
2.5235G	3G	1M	AV	2.52517G	-52.40	-41.20	-11.20	5.99	0.00	-58.39	-61.53	-61.28

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

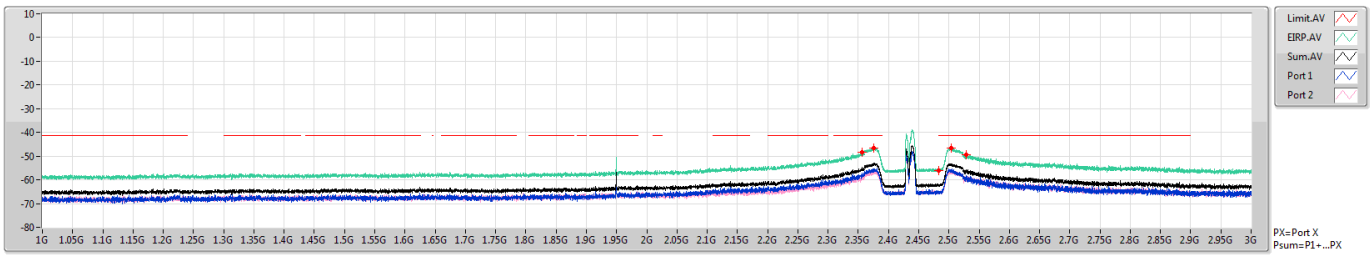
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.33858G	-39.37	-21.20	-18.17	6.43	0.00	-45.80	-47.20	-51.40
2.36G	2.4G	1M	PK	2.3812G	-34.27	-21.20	-13.07	6.43	0.00	-40.70	-42.07	-46.38
2.4G	2.4835G	1M	PK	2.4835G	-45.65	-21.20	-24.45	6.43	0.00	-52.08	-55.68	-54.57
2.4835G	2.5235G	1M	PK	2.51166G	-36.34	-21.20	-15.14	6.43	0.00	-42.77	-47.46	-44.57
2.5235G	3G	1M	PK	2.5347G	-38.77	-21.20	-17.57	6.43	0.00	-45.20	-47.47	-49.10

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

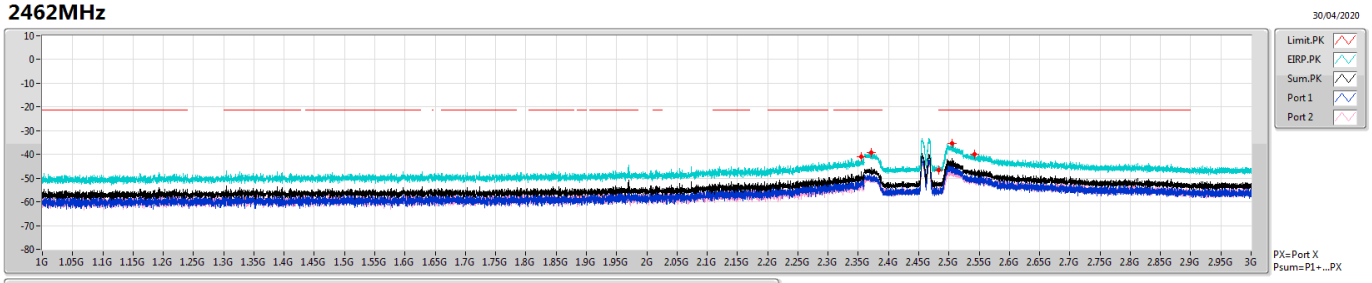
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.35592G	-48.34	-41.20	-7.14	6.43	0.00	-54.77	-57.29	-58.33
2.36G	2.4G	1M	AV	2.37512G	-46.54	-41.20	-5.34	6.43	0.00	-52.97	-55.42	-56.62
2.4G	2.4835G	1M	AV	2.4835G	-56.02	-41.20	-14.82	6.43	0.00	-62.45	-65.36	-65.57
2.4835G	2.5235G	1M	AV	2.50398G	-46.71	-41.20	-5.51	6.43	0.00	-53.14	-55.60	-56.77
2.5235G	3G	1M	AV	2.52898G	-49.26	-41.20	-8.06	6.43	0.00	-55.69	-58.22	-59.24

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

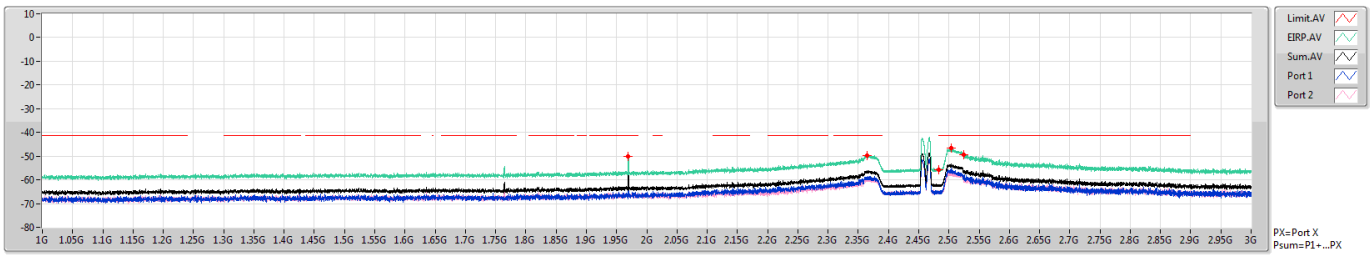
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35541G	-40.91	-21.20	-19.71	6.43	0.00	-47.34	-51.54	-49.41
2.36G	2.4G	1M	PK	2.37192G	-39.23	-21.20	-18.03	6.43	0.00	-45.66	-48.06	-49.38
2.4G	2.4835G	1M	PK	2.4835G	-46.62	-21.20	-25.42	6.43	0.00	-53.05	-56.36	-55.78
2.4835G	2.5235G	1M	PK	2.50502G	-35.35	-21.20	-14.15	6.43	0.00	-41.78	-43.85	-45.98
2.5235G	3G	1M	PK	2.5428G	-39.77	-21.20	-18.57	6.43	0.00	-46.20	-48.85	-49.61

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

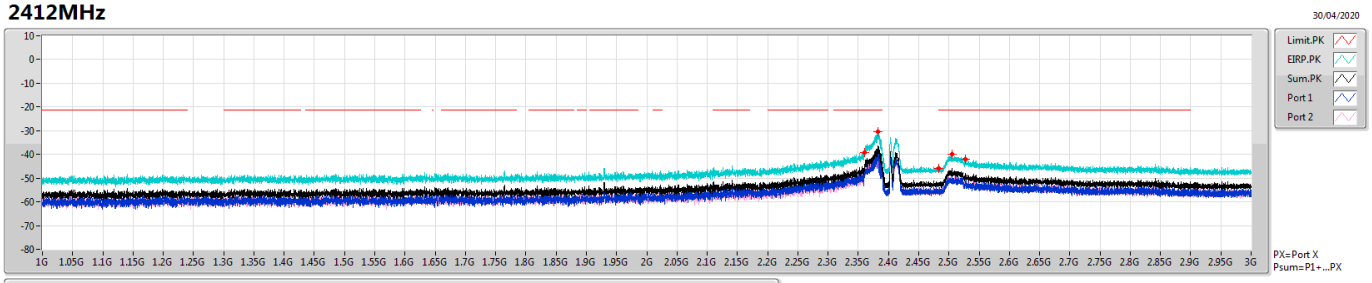
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.96951G	-50.16	-41.20	-8.96	6.43	0.00	-56.59	-60.08	-59.17
2.36G	2.4G	1M	AV	2.3648G	-49.64	-41.20	-8.44	6.43	0.00	-56.07	-59.12	-59.04
2.4G	2.4835G	1M	AV	2.4835G	-55.90	-41.20	-14.70	6.43	0.00	-62.33	-65.80	-64.92
2.4835G	2.5235G	1M	AV	2.50406G	-46.71	-41.20	-5.51	6.43	0.00	-53.14	-54.93	-57.86
2.5235G	3G	1M	AV	2.52457G	-49.55	-41.20	-8.35	6.43	0.00	-55.98	-58.79	-59.19

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

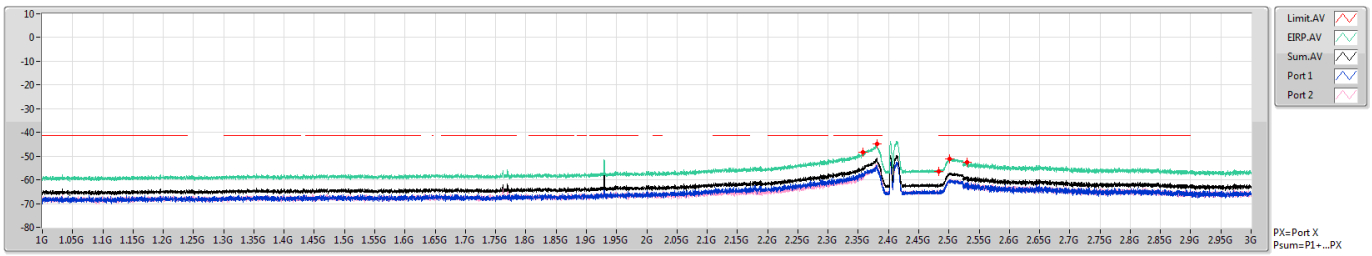
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35983G	-39.19	-21.20	-17.99	5.99	0.00	-45.18	-48.70	-47.74
2.36G	2.4G	1M	PK	2.38256G	-30.42	-21.20	-9.22	5.99	0.00	-36.41	-40.00	-38.91
2.4G	2.4835G	1M	PK	2.4835G	-45.89	-21.20	-24.69	5.99	0.00	-51.88	-56.02	-54.00
2.4835G	2.5235G	1M	PK	2.5055G	-39.95	-21.20	-18.75	5.99	0.00	-45.94	-48.68	-49.23
2.5235G	3G	1M	PK	2.52731G	-42.06	-21.20	-20.86	5.99	0.00	-48.05	-51.28	-50.86

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

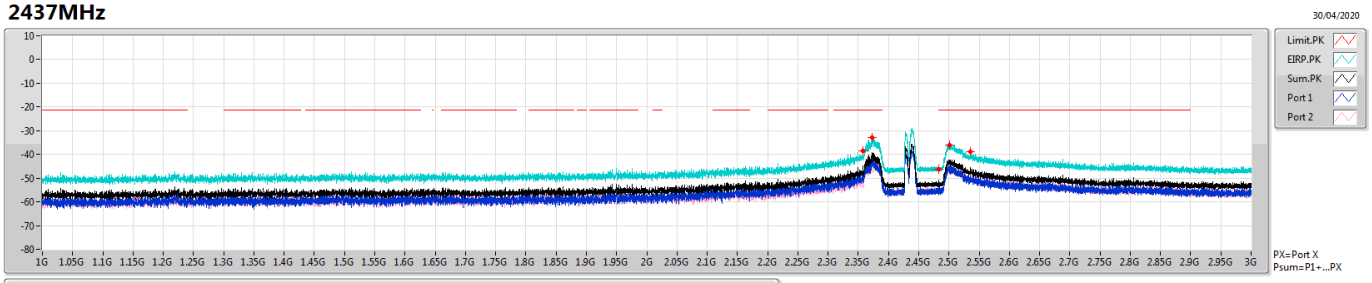
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.3583G	-48.32	-41.20	-7.12	5.99	0.00	-54.31	-57.10	-57.55
2.36G	2.4G	1M	AV	2.38088G	-44.86	-41.20	-3.66	5.99	0.00	-50.85	-54.68	-53.17
2.4G	2.4835G	1M	AV	2.4835G	-56.57	-41.20	-15.37	5.99	0.00	-62.56	-65.59	-65.56
2.4835G	2.5235G	1M	AV	2.50102G	-51.14	-41.20	-9.94	5.99	0.00	-57.13	-59.94	-60.36
2.5235G	3G	1M	AV	2.52934G	-52.62	-41.20	-11.42	5.99	0.00	-58.61	-61.98	-61.29

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

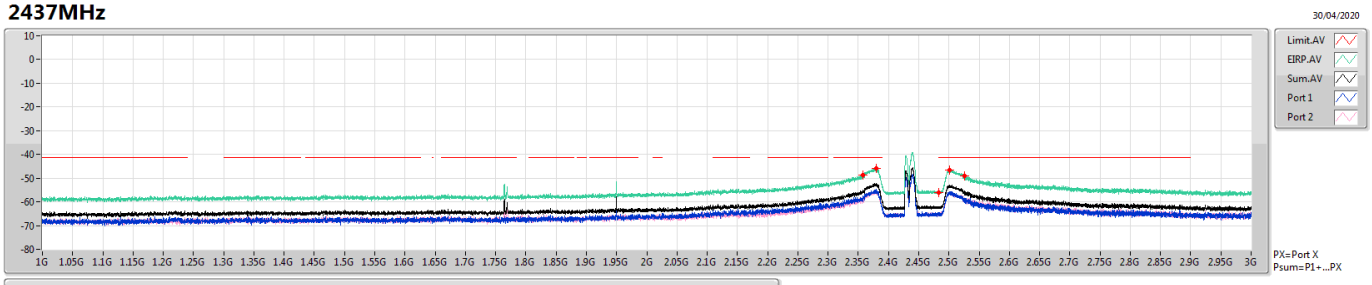
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35762G	-38.47	-21.20	-17.27	6.43	0.00	-44.90	-46.87	-49.29
2.36G	2.4G	1M	PK	2.37336G	-32.79	-21.20	-11.59	6.43	0.00	-39.22	-43.60	-41.19
2.4G	2.4835G	1M	PK	2.4835G	-46.23	-21.20	-25.03	6.43	0.00	-52.66	-55.78	-55.57
2.4835G	2.5235G	1M	PK	2.50078G	-36.03	-21.20	-14.83	6.43	0.00	-42.46	-46.11	-44.92
2.5235G	3G	1M	PK	2.53494G	-38.96	-21.20	-17.76	6.43	0.00	-45.39	-48.89	-47.96

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

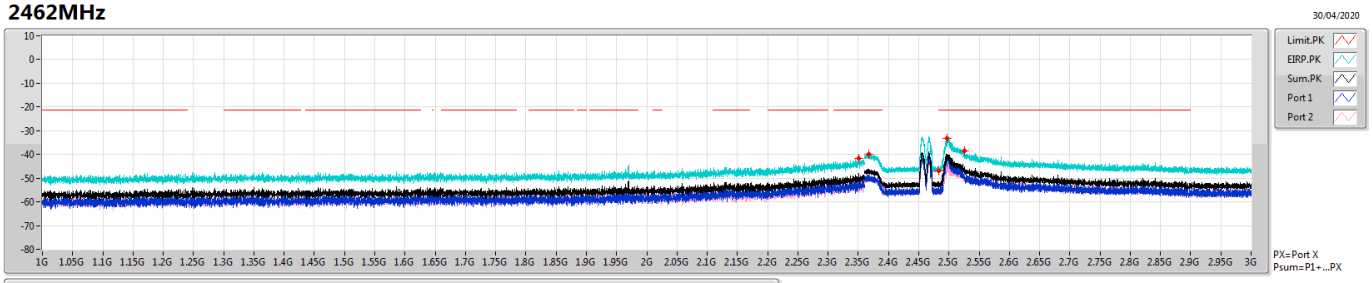
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.3583G	-48.73	-41.20	-7.53	6.43	0.00	-55.16	-57.60	-58.83
2.36G	2.4G	1M	AV	2.38032G	-45.73	-41.20	-4.53	6.43	0.00	-52.16	-54.78	-55.59
2.4G	2.4835G	1M	AV	2.4835G	-55.92	-41.20	-14.72	6.43	0.00	-62.35	-65.39	-65.33
2.4835G	2.5235G	1M	AV	2.5007G	-46.55	-41.20	-5.35	6.43	0.00	-52.98	-55.87	-56.12
2.5235G	3G	1M	AV	2.52612G	-49.13	-41.20	-7.93	6.43	0.00	-55.56	-59.13	-58.08

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

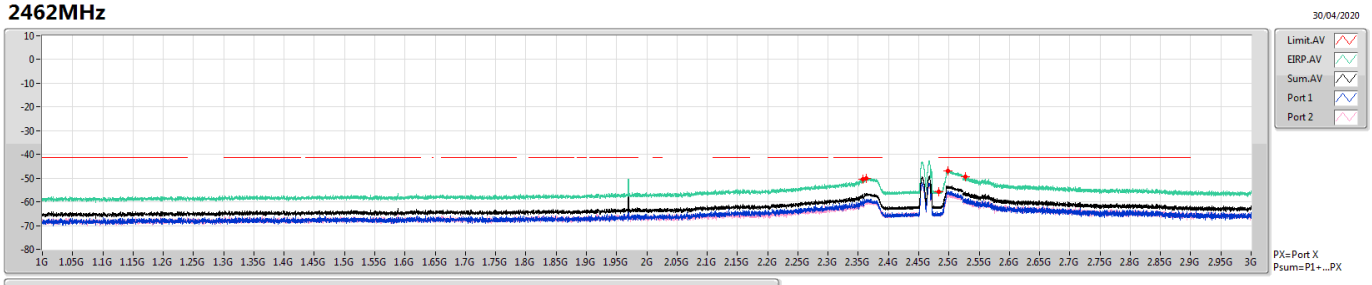
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35031G	-41.72	-21.20	-20.52	6.43	0.00	-48.15	-51.33	-51.00
2.36G	2.4G	1M	PK	2.36792G	-39.87	-21.20	-18.67	6.43	0.00	-46.30	-48.87	-49.81
2.4G	2.4835G	1M	PK	2.4835G	-47.03	-21.20	-25.83	6.43	0.00	-53.46	-56.24	-56.71
2.4835G	2.5235G	1M	PK	2.4975G	-33.35	-21.20	-12.15	6.43	0.00	-39.78	-41.53	-44.57
2.5235G	3G	1M	PK	2.52612G	-38.63	-21.20	-17.43	6.43	0.00	-45.06	-49.34	-47.09

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.35779G	-50.33	-41.20	-9.13	6.43	0.00	-56.76	-58.90	-60.87
2.36G	2.4G	1M	AV	2.36352G	-49.97	-41.20	-8.77	6.43	0.00	-56.40	-58.76	-60.18
2.4G	2.4835G	1M	AV	2.4835G	-55.71	-41.20	-14.51	6.43	0.00	-62.14	-64.80	-65.54
2.4835G	2.5235G	1M	AV	2.49854G	-46.87	-41.20	-5.67	6.43	0.00	-53.30	-55.42	-57.44
2.5235G	3G	1M	AV	2.52684G	-49.47	-41.20	-8.27	6.43	0.00	-55.90	-58.48	-59.39

<2T2S>

For Conducted Harmonic (1~3GHz):

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	2.36G	2.4G	AV	2.38088G	2.98	-50.48	-52.17	-48.23	-45.25	-41.20	-4.05

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

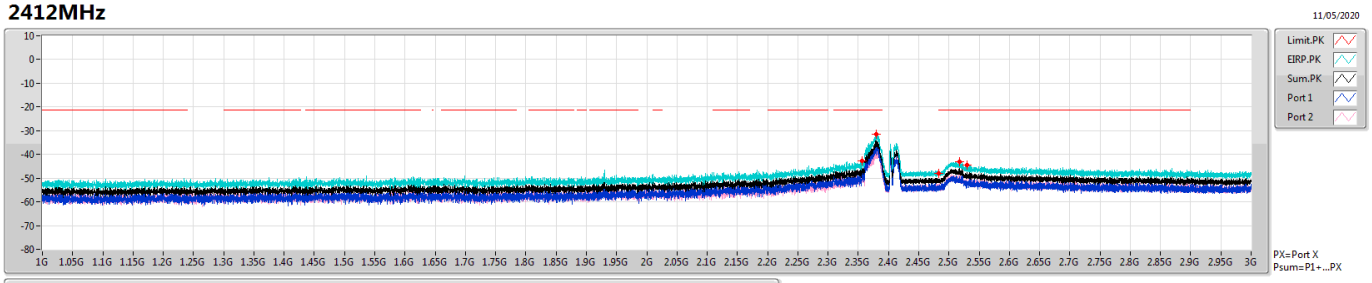
Result

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	2.35813G	2.98	-56.70	-58.63	-54.55	-51.57	-41.20	-10.37
2412MHz	Pass	2.36G	2.4G	AV	2.38088G	2.98	-50.48	-52.17	-48.23	-45.25	-41.20	-4.05
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	2.98	-63.79	-63.87	-60.82	-57.84	-41.20	-16.64
2412MHz	Pass	2.4835G	2.5235G	AV	2.50414G	2.98	-60.13	-58.94	-56.48	-53.50	-41.20	-12.30
2412MHz	Pass	2.5235G	3G	AV	2.53065G	2.98	-60.48	-60.84	-57.65	-54.67	-41.20	-13.47
2412MHz	Pass	1G	2.36G	PK	2.35694G	2.98	-47.09	-50.99	-45.61	-42.63	-21.20	-21.43
2412MHz	Pass	2.36G	2.4G	PK	2.3804G	2.98	-35.66	-40.40	-34.40	-31.42	-21.20	-10.22
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	2.98	-54.83	-53.24	-50.95	-47.97	-21.20	-26.77
2412MHz	Pass	2.4835G	2.5235G	PK	2.51702G	2.98	-49.46	-48.42	-45.90	-42.92	-21.20	-21.72
2412MHz	Pass	2.5235G	3G	PK	2.52934G	2.98	-52.08	-49.43	-47.55	-44.57	-21.20	-23.37
2462MHz	Pass	1G	2.36G	AV	1.96968G	3.42	-58.51	-59.30	-55.88	-52.46	-41.20	-11.26
2462MHz	Pass	2.36G	2.4G	AV	2.36936G	3.42	-58.22	-58.04	-55.12	-51.70	-41.20	-10.50
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	3.42	-64.55	-63.52	-60.99	-57.57	-41.20	-16.37
2462MHz	Pass	2.4835G	2.5235G	AV	2.49686G	3.42	-53.63	-56.60	-51.86	-48.44	-41.20	-7.24
2462MHz	Pass	2.5235G	3G	AV	2.5235G	3.42	-58.01	-58.76	-55.36	-51.94	-41.20	-10.74
2462MHz	Pass	1G	2.36G	PK	2.35388G	3.42	-49.31	-51.30	-47.18	-43.76	-21.20	-22.56
2462MHz	Pass	2.36G	2.4G	PK	2.3696G	3.42	-47.17	-48.50	-44.77	-41.35	-21.20	-20.15
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	3.42	-53.30	-53.34	-50.31	-46.89	-21.20	-25.69
2462MHz	Pass	2.4835G	2.5235G	PK	2.4999G	3.42	-37.46	-45.61	-36.84	-33.42	-21.20	-12.22
2462MHz	Pass	2.5235G	3G	PK	2.52493G	3.42	-46.12	-49.44	-44.46	-41.04	-21.20	-19.84

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

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-PK**

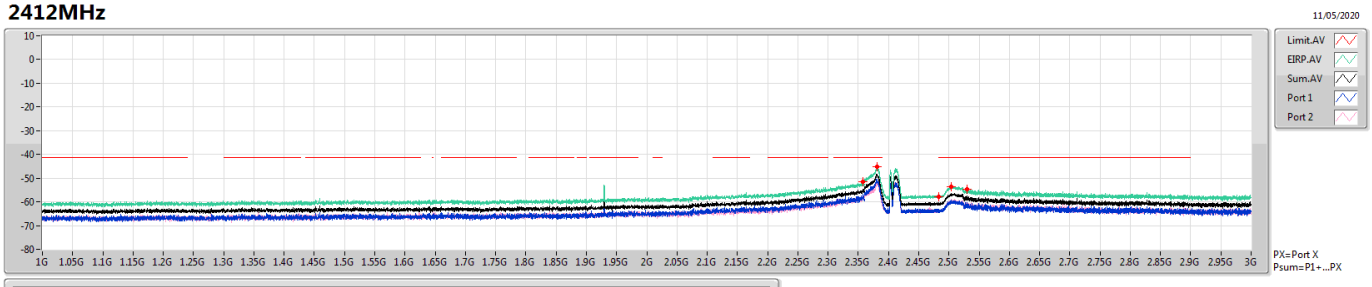
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35694G	-42.63	-21.20	-21.43	2.98	0.00	-45.61	-47.09	-50.99
2.36G	2.4G	1M	PK	2.3804G	-31.42	-21.20	-10.22	2.98	0.00	-34.40	-35.66	-40.40
2.4G	2.4835G	1M	PK	2.4835G	-47.97	-21.20	-26.77	2.98	0.00	-50.95	-54.83	-53.24
2.4835G	2.5235G	1M	PK	2.51702G	-42.92	-21.20	-21.72	2.98	0.00	-45.90	-49.46	-48.42
2.5235G	3G	1M	PK	2.52934G	-44.57	-21.20	-23.37	2.98	0.00	-47.55	-52.08	-49.43

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-AV**

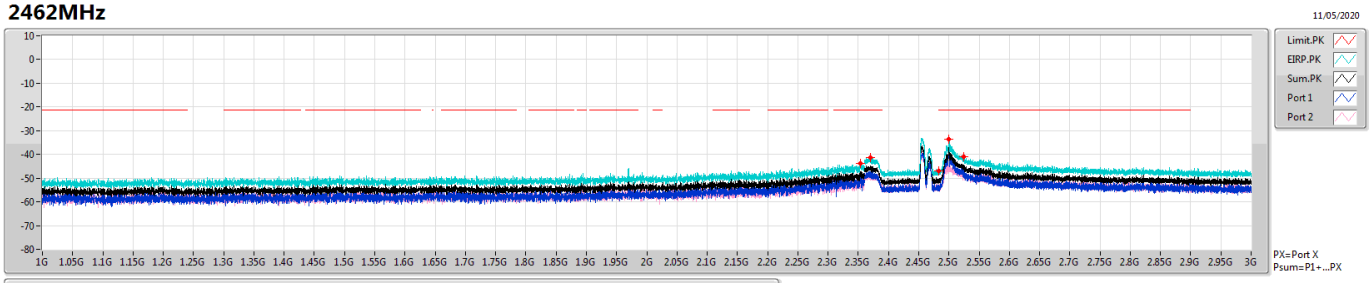
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	2.35813G	-51.57	-41.20	-10.37	2.98	0.00	-54.55	-56.70	-58.63
2.36G	2.4G	1M	AV	2.38088G	-45.25	-41.20	-4.05	2.98	0.00	-48.23	-50.48	-52.17
2.4G	2.4835G	1M	AV	2.4835G	-57.84	-41.20	-16.64	2.98	0.00	-60.82	-63.79	-63.87
2.4835G	2.5235G	1M	AV	2.50414G	-53.50	-41.20	-12.30	2.98	0.00	-56.48	-60.13	-58.94
2.5235G	3G	1M	AV	2.53065G	-54.67	-41.20	-13.47	2.98	0.00	-57.65	-60.48	-60.84

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-PK**

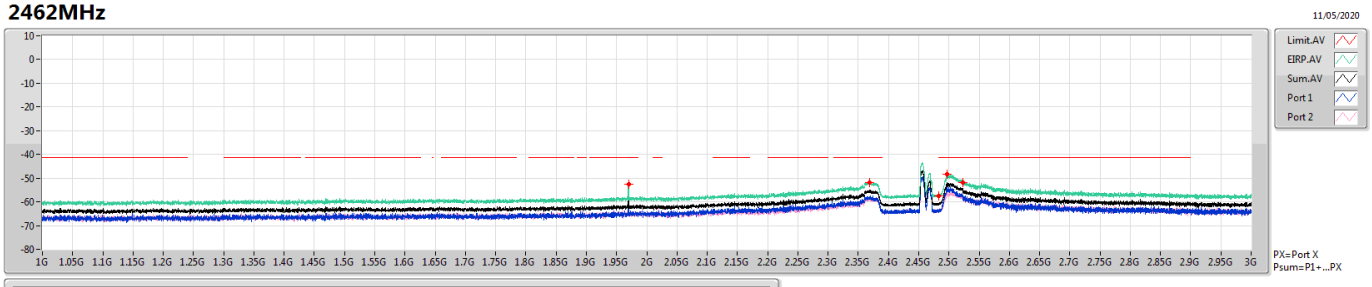
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	PK	2.35388G	-43.76	-21.20	-22.56	3.42	0.00	-47.18	-49.31	-51.30
2.36G	2.4G	1M	PK	2.3696G	-41.35	-21.20	-20.15	3.42	0.00	-44.77	-47.17	-48.50
2.4G	2.4835G	1M	PK	2.4835G	-46.89	-21.20	-25.69	3.42	0.00	-50.31	-53.30	-53.34
2.4835G	2.5235G	1M	PK	2.4999G	-33.42	-21.20	-12.22	3.42	0.00	-36.84	-37.46	-45.61
2.5235G	3G	1M	PK	2.52493G	-41.04	-21.20	-19.84	3.42	0.00	-44.46	-46.12	-49.44

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-AV**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.36G	1M	AV	1.96968G	-52.46	-41.20	-11.26	3.42	0.00	-55.88	-58.51	-59.30
2.36G	2.4G	1M	AV	2.36936G	-51.70	-41.20	-10.50	3.42	0.00	-55.12	-58.22	-58.04
2.4G	2.4835G	1M	AV	2.4835G	-57.57	-41.20	-16.37	3.42	0.00	-60.99	-64.55	-63.52
2.4835G	2.5235G	1M	AV	2.49686G	-48.44	-41.20	-7.24	3.42	0.00	-51.86	-53.63	-56.60
2.5235G	3G	1M	AV	2.5235G	-51.94	-41.20	-10.74	3.42	0.00	-55.36	-58.01	-58.76

<2T1S>

For Conducted Harmonic (3~25GHz):
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	3G	7.5G	AV	4.87369G	6.43	-54.67	-55.62	-52.11	-45.68	-41.20	-4.48
802.11g_Nss1,(6Mbps)_2TX	Pass	7.5G	25G	AV	20.35156G	6.43	-60.60	-61.62	-58.07	-51.64	-41.20	-10.44
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	7.5G	25G	AV	20.36906G	6.43	-60.92	-61.06	-57.98	-51.55	-41.20	-10.35

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

Result

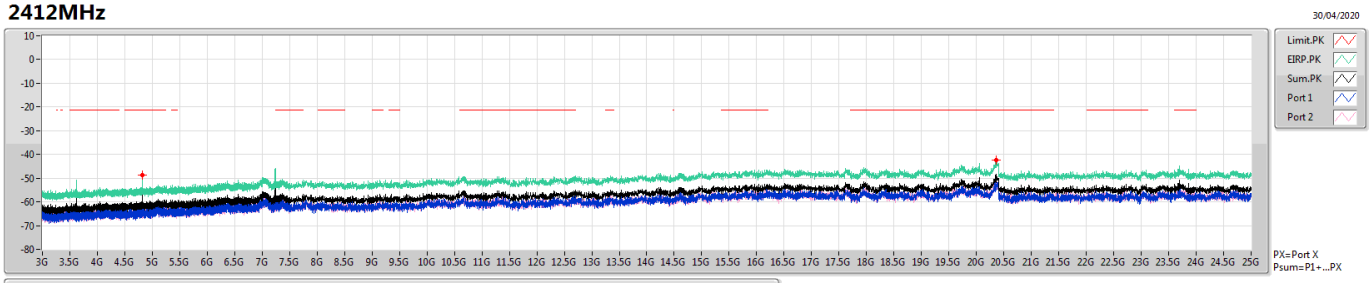
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.82419G	5.99	-58.85	-64.98	-57.90	-51.91	-41.20	-10.71
2412MHz	Pass	7.5G	25G	AV	20.36688G	5.99	-61.52	-60.11	-57.75	-51.76	-41.20	-10.56
2412MHz	Pass	3G	7.5G	PK	4.82363G	5.99	-56.12	-60.03	-54.64	-48.65	-21.20	-27.45
2412MHz	Pass	7.5G	25G	PK	20.35375G	5.99	-52.67	-50.54	-48.47	-42.48	-21.20	-21.28
2437MHz	Pass	3G	7.5G	AV	4.87369G	6.43	-54.67	-55.62	-52.11	-45.68	-41.20	-4.48
2437MHz	Pass	7.5G	25G	AV	19.71938G	6.43	-76.40	-77.07	-73.71	-67.28	-41.20	-26.08
2437MHz	Pass	3G	7.5G	PK	4.87369G	6.43	-53.66	-55.00	-51.27	-44.84	-21.20	-23.64
2437MHz	Pass	7.5G	25G	PK	20.11094G	6.43	-66.64	-69.13	-64.70	-58.27	-21.20	-37.07
2462MHz	Pass	3G	7.5G	AV	4.92375G	6.43	-62.05	-66.01	-60.58	-54.15	-41.20	-12.95
2462MHz	Pass	7.5G	25G	AV	20.37125G	6.43	-60.66	-60.56	-57.60	-51.17	-41.20	-9.97
2462MHz	Pass	3G	7.5G	PK	4.92375G	6.43	-58.40	-60.80	-56.43	-50.00	-21.20	-28.80
2462MHz	Pass	3G	7.5G	PK	7.3875G	6.43	-58.39	-56.44	-54.30	-47.87	-21.20	-26.67
2462MHz	Pass	7.5G	25G	PK	20.35813G	6.43	-49.87	-52.37	-47.93	-41.50	-21.20	-20.30
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	3.61763G	5.99	-69.91	-61.30	-60.74	-54.75	-41.20	-13.55
2412MHz	Pass	3G	7.5G	AV	4.82306G	5.99	-70.19	-71.51	-67.79	-61.80	-41.20	-20.60
2412MHz	Pass	7.5G	25G	AV	20.39094G	5.99	-61.76	-60.10	-57.84	-51.85	-41.20	-10.65
2412MHz	Pass	3G	7.5G	PK	4.8225G	5.99	-60.74	-61.96	-58.30	-52.31	-21.20	-31.11
2412MHz	Pass	3G	7.5G	PK	7.25081G	5.99	-55.98	-58.98	-54.22	-48.23	-21.20	-27.03
2412MHz	Pass	7.5G	25G	PK	20.38875G	5.99	-52.91	-51.75	-49.28	-43.29	-21.20	-22.09
2437MHz	Pass	3G	7.5G	AV	3.65531G	6.43	-67.19	-62.46	-61.20	-54.77	-41.20	-13.57
2437MHz	Pass	3G	7.5G	AV	4.872G	6.43	-69.42	-71.69	-67.40	-60.97	-41.20	-19.77
2437MHz	Pass	7.5G	25G	AV	20.35156G	6.43	-60.60	-61.62	-58.07	-51.64	-41.20	-10.44
2437MHz	Pass	3G	7.5G	PK	4.87144G	6.43	-58.18	-63.85	-57.14	-50.71	-21.20	-29.51
2437MHz	Pass	3G	7.5G	PK	7.3155G	6.43	-60.50	-54.97	-53.90	-47.47	-21.20	-26.27
2437MHz	Pass	7.5G	25G	PK	20.35375G	6.43	-53.31	-51.36	-49.22	-42.79	-21.20	-21.59
2462MHz	Pass	3G	7.5G	AV	4.92544G	6.43	-70.87	-72.08	-68.42	-61.99	-41.20	-20.79
2462MHz	Pass	3G	7.5G	AV	7.39031G	6.43	-68.61	-68.22	-65.40	-58.97	-41.20	-17.77
2462MHz	Pass	7.5G	25G	AV	20.37344G	6.43	-61.08	-61.11	-58.08	-51.65	-41.20	-10.45
2462MHz	Pass	3G	7.5G	PK	4.91981G	6.43	-60.91	-63.59	-59.04	-52.61	-21.20	-31.41
2462MHz	Pass	3G	7.5G	PK	7.38694G	6.43	-60.50	-58.20	-56.19	-49.76	-21.20	-28.56
2462MHz	Pass	7.5G	25G	PK	20.37125G	6.43	-51.81	-53.10	-49.40	-42.97	-21.20	-21.77
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	3.61763G	5.99	-72.43	-60.91	-60.61	-54.62	-41.20	-13.42
2412MHz	Pass	3G	7.5G	AV	4.82419G	5.99	-70.95	-72.27	-68.55	-62.56	-41.20	-21.36
2412MHz	Pass	7.5G	25G	AV	20.38875G	5.99	-60.98	-60.77	-57.86	-51.87	-41.20	-10.67
2412MHz	Pass	3G	7.5G	PK	4.82081G	5.99	-62.64	-62.51	-59.56	-53.57	-21.20	-32.37
2412MHz	Pass	3G	7.5G	PK	7.25138G	5.99	-57.55	-60.82	-55.87	-49.88	-21.20	-28.68
2412MHz	Pass	7.5G	25G	PK	20.3975G	5.99	-53.08	-51.61	-49.27	-43.28	-21.20	-22.08
2437MHz	Pass	3G	7.5G	AV	3.65531G	6.43	-67.82	-61.69	-60.74	-54.31	-41.20	-13.11
2437MHz	Pass	3G	7.5G	AV	4.88044G	6.43	-68.62	-72.69	-67.18	-60.75	-41.20	-19.55
2437MHz	Pass	7.5G	25G	AV	20.35813G	6.43	-61.33	-61.03	-58.17	-51.74	-41.20	-10.54
2437MHz	Pass	3G	7.5G	PK	4.87706G	6.43	-59.66	-63.61	-58.19	-51.76	-21.20	-30.56
2437MHz	Pass	3G	7.5G	PK	7.31213G	6.43	-58.94	-57.03	-54.87	-48.44	-21.20	-27.24
2437MHz	Pass	7.5G	25G	PK	20.36688G	6.43	-52.57	-52.21	-49.38	-42.95	-21.20	-21.75
2462MHz	Pass	3G	7.5G	AV	4.92319G	6.43	-70.63	-72.03	-68.26	-61.83	-41.20	-20.63
2462MHz	Pass	3G	7.5G	AV	7.37006G	6.43	-68.06	-68.76	-65.39	-58.96	-41.20	-17.76
2462MHz	Pass	7.5G	25G	AV	20.36906G	6.43	-60.92	-61.06	-57.98	-51.55	-41.20	-10.35
2462MHz	Pass	3G	7.5G	PK	4.91813G	6.43	-62.44	-62.78	-59.60	-53.17	-21.20	-31.97
2462MHz	Pass	3G	7.5G	PK	7.39256G	6.43	-59.97	-57.94	-55.83	-49.40	-21.20	-28.20
2462MHz	Pass	7.5G	25G	PK	20.35813G	6.43	-53.34	-51.49	-49.31	-42.88	-21.20	-21.68

DG = Directional Gain;

PX=Port X; **Psum**=P1+.P2+...PX

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

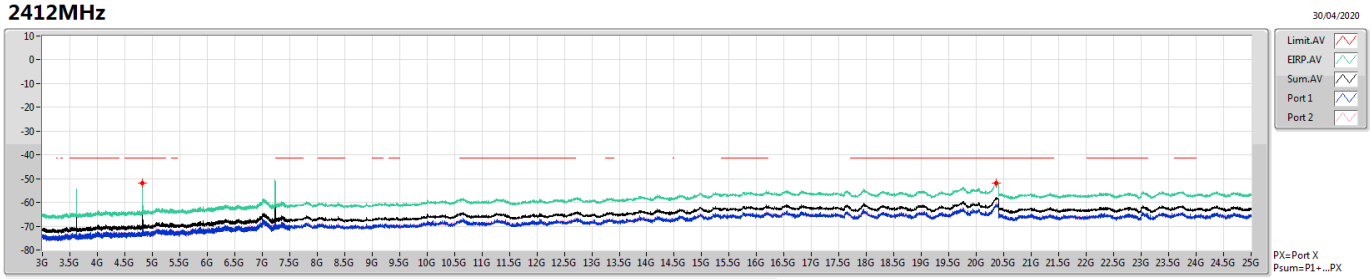
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.82363G	-48.65	-21.20	-27.45	5.99	0.00	-54.64	-56.12	-60.03
7.5G	25G	1M	PK	20.35375G	-42.48	-21.20	-21.28	5.99	0.00	-48.47	-52.67	-50.54

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

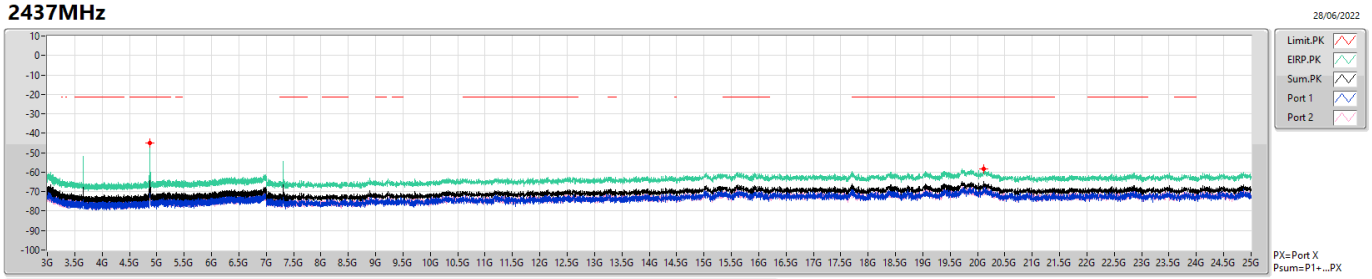
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	4.82419G	-51.91	-41.20	-10.71	5.99	0.00	-57.90	-58.85	-64.98
7.5G	25G	1M	AV	20.36688G	-51.76	-41.20	-10.56	5.99	0.00	-57.75	-61.52	-60.11

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

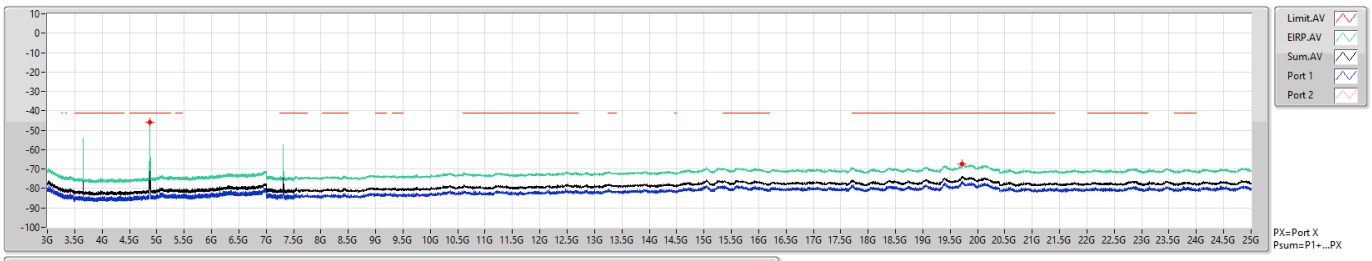
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.87369G	-44.84	-21.20	-23.64	6.43	0.00	-51.27	-53.66	-55.00
7.5G	25G	1M	PK	20.11094G	-58.27	-21.20	-37.07	6.43	0.00	-64.70	-66.64	-69.13

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

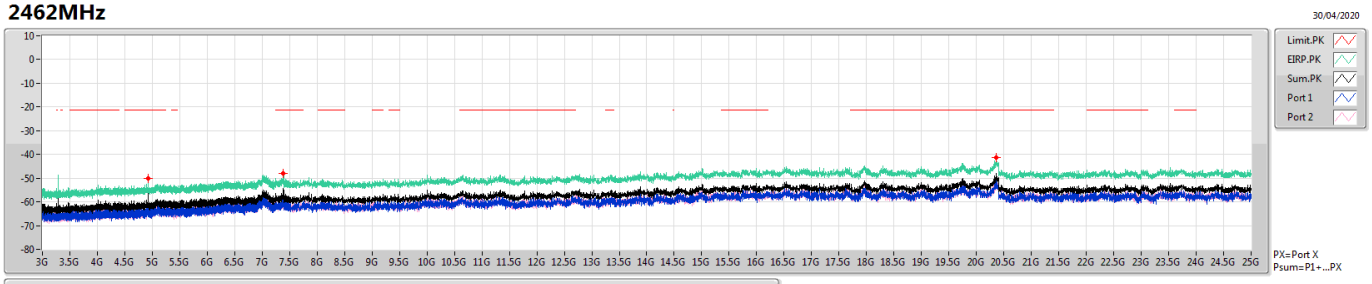
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	4.87369G	-45.68	-41.20	-4.48	6.43	0.00	-52.11	-54.67	-55.62
7.5G	25G	1M	AV	19.71938G	-67.28	-41.20	-26.08	6.43	0.00	-73.71	-76.40	-77.07

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

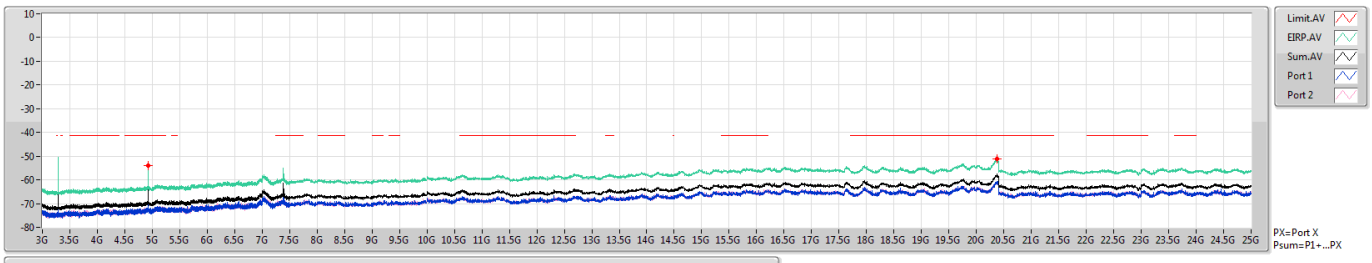
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.92375G	-50.00	-21.20	-28.80	6.43	0.00	-56.43	-58.40	-60.80
3G	7.5G	1M	PK	7.3875G	-47.87	-21.20	-26.67	6.43	0.00	-54.30	-58.39	-56.44
7.5G	25G	1M	PK	20.35813G	-41.50	-21.20	-20.30	6.43	0.00	-47.93	-49.87	-52.37

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

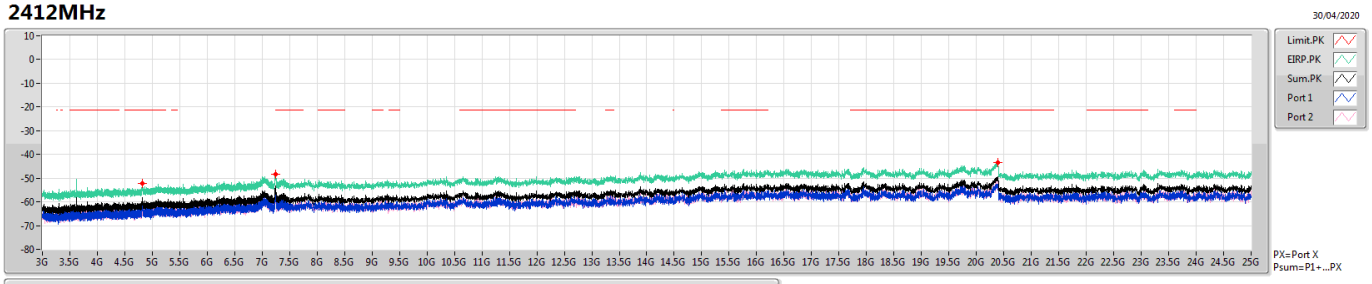
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	4.92375G	-54.15	-41.20	-12.95	6.43	0.00	-60.58	-62.05	-66.01
7.5G	25G	1M	AV	20.37125G	-51.17	-41.20	-9.97	6.43	0.00	-57.60	-60.66	-60.56

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

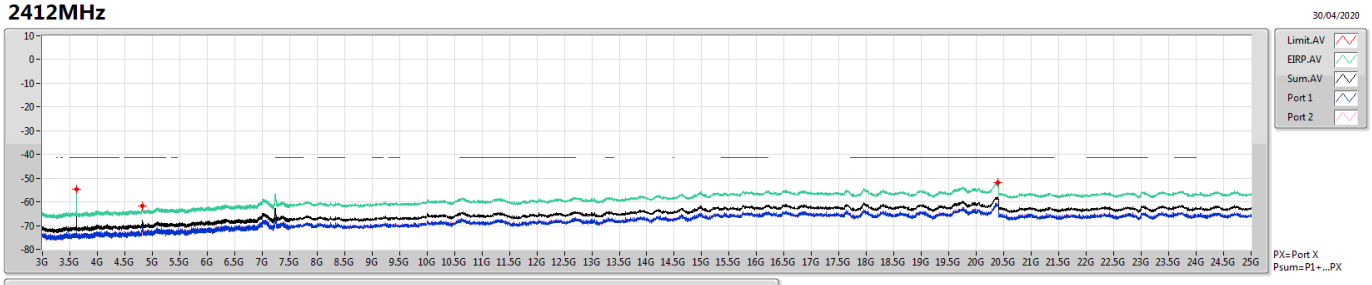
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.8225G	-52.31	-21.20	-31.11	5.99	0.00	-58.30	-60.74	-61.96
3G	7.5G	1M	PK	7.25081G	-48.23	-21.20	-27.03	5.99	0.00	-54.22	-55.98	-58.98
7.5G	25G	1M	PK	20.38875G	-43.29	-21.20	-22.09	5.99	0.00	-49.28	-52.91	-51.75

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

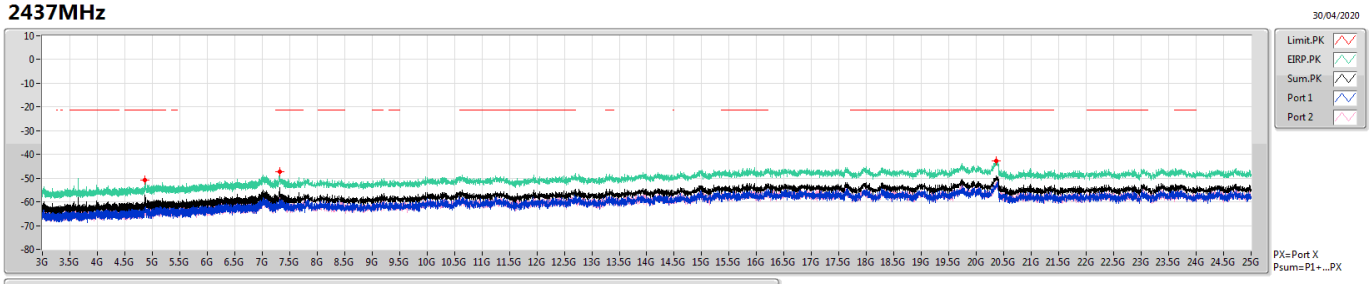
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	3.61763G	-54.75	-41.20	-13.55	5.99	0.00	-60.74	-69.91	-61.30
3G	7.5G	1M	AV	4.82306G	-61.80	-41.20	-20.60	5.99	0.00	-67.79	-70.19	-71.51
7.5G	25G	1M	AV	20.39094G	-51.85	-41.20	-10.65	5.99	0.00	-57.84	-61.76	-60.10

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

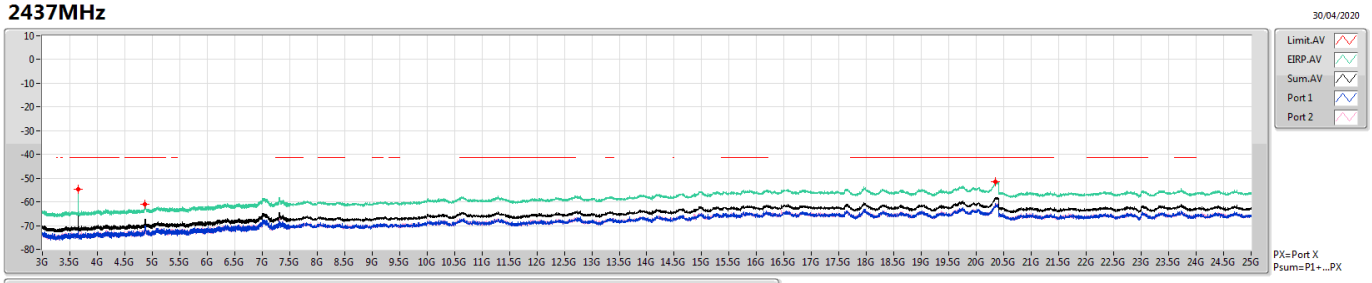
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.87144G	-50.71	-21.20	-29.51	6.43	0.00	-57.14	-58.18	-63.85
3G	7.5G	1M	PK	7.3155G	-47.47	-21.20	-26.27	6.43	0.00	-53.90	-60.50	-54.97
7.5G	25G	1M	PK	20.35375G	-42.79	-21.20	-21.59	6.43	0.00	-49.22	-53.31	-51.36

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

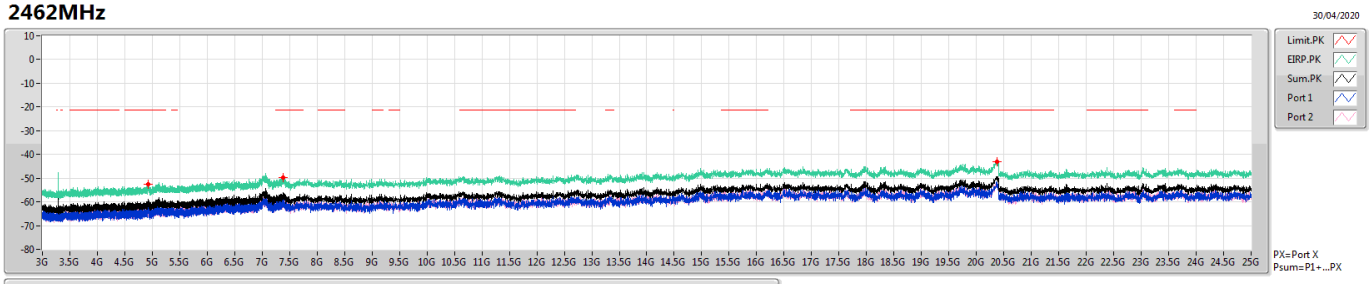
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	3.65531G	-54.77	-41.20	-13.57	6.43	0.00	-61.20	-67.19	-62.46
3G	7.5G	1M	AV	4.872G	-60.97	-41.20	-19.77	6.43	0.00	-67.40	-69.42	-71.69
7.5G	25G	1M	AV	20.35156G	-51.64	-41.20	-10.44	6.43	0.00	-58.07	-60.60	-61.62

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

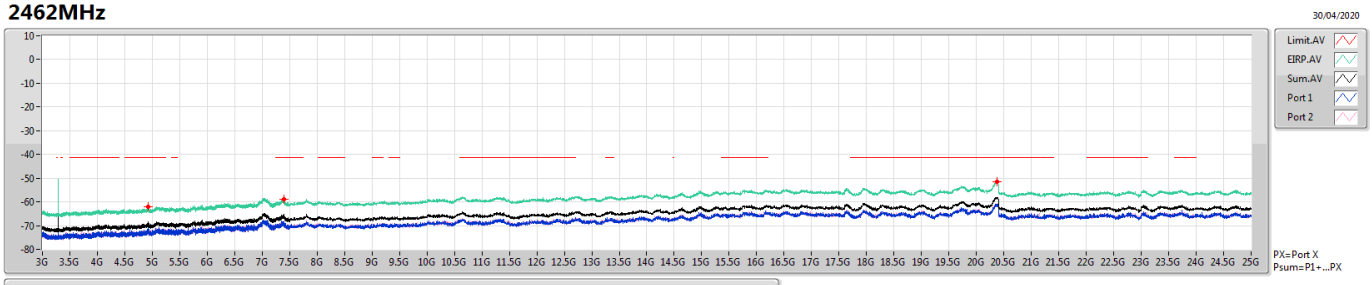
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.91981G	-52.61	-21.20	-31.41	6.43	0.00	-59.04	-60.91	-63.59
3G	7.5G	1M	PK	7.38694G	-49.76	-21.20	-28.56	6.43	0.00	-56.19	-60.50	-58.20
7.5G	25G	1M	PK	20.37125G	-42.97	-21.20	-21.77	6.43	0.00	-49.40	-51.81	-53.10

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

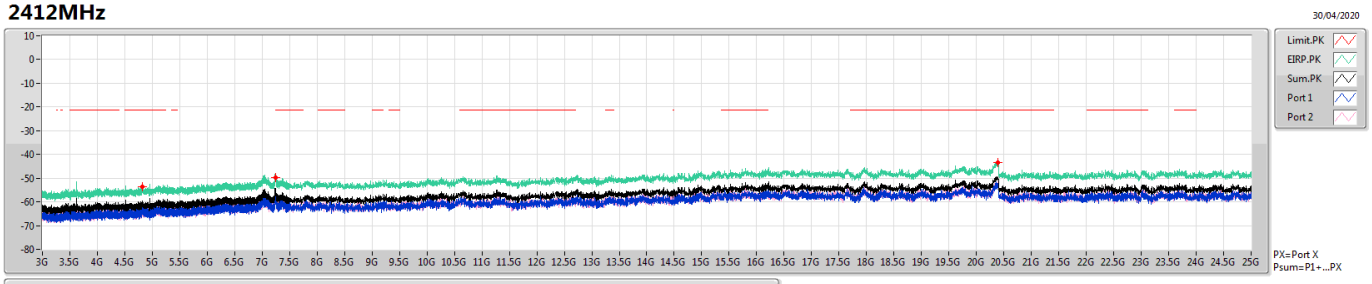
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	4.92544G	-61.99	-41.20	-20.79	6.43	0.00	-68.42	-70.87	-72.08
3G	7.5G	1M	AV	7.39031G	-58.97	-41.20	-17.77	6.43	0.00	-65.40	-68.61	-68.22
7.5G	25G	1M	AV	20.37344G	-51.65	-41.20	-10.45	6.43	0.00	-58.08	-61.08	-61.11

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

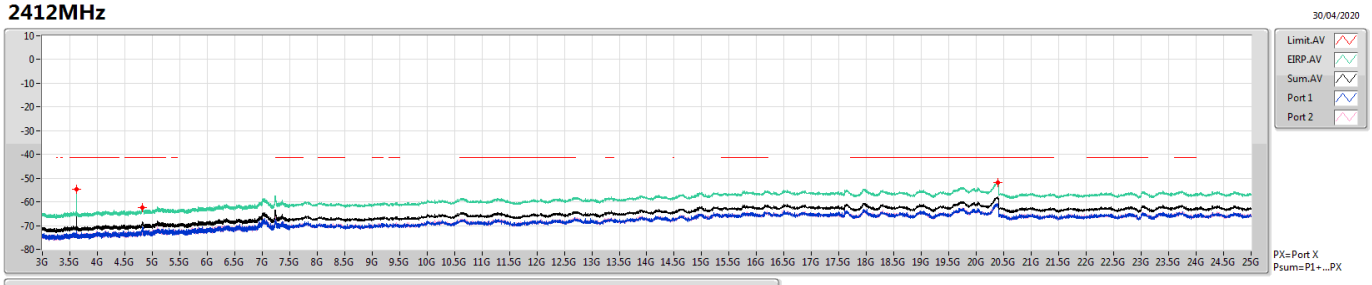
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.82081G	-53.57	-21.20	-32.37	5.99	0.00	-59.56	-62.64	-62.51
3G	7.5G	1M	PK	7.25138G	-49.88	-21.20	-28.68	5.99	0.00	-55.87	-57.55	-60.82
7.5G	25G	1M	PK	20.3975G	-43.28	-21.20	-22.08	5.99	0.00	-49.27	-53.08	-51.61

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

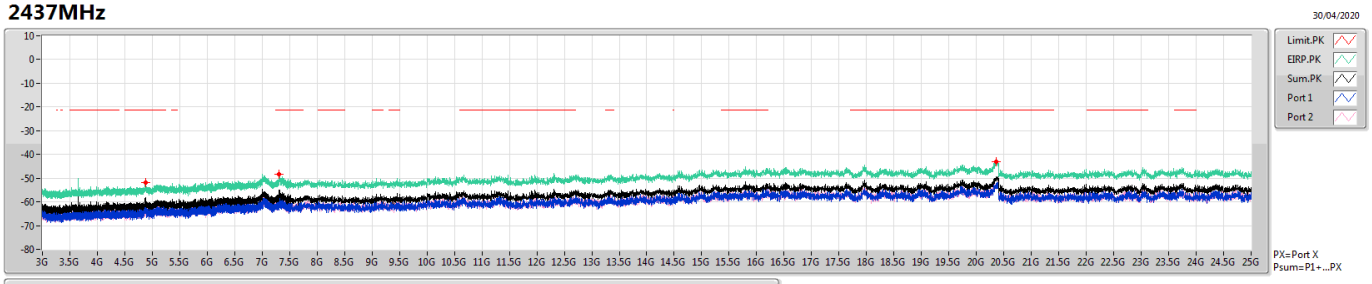
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	3.61763G	-54.62	-41.20	-13.42	5.99	0.00	-60.61	-72.43	-60.91
3G	7.5G	1M	AV	4.82419G	-62.56	-41.20	-21.36	5.99	0.00	-68.55	-70.95	-72.27
7.5G	25G	1M	AV	20.38875G	-51.87	-41.20	-10.67	5.99	0.00	-57.86	-60.98	-60.77

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

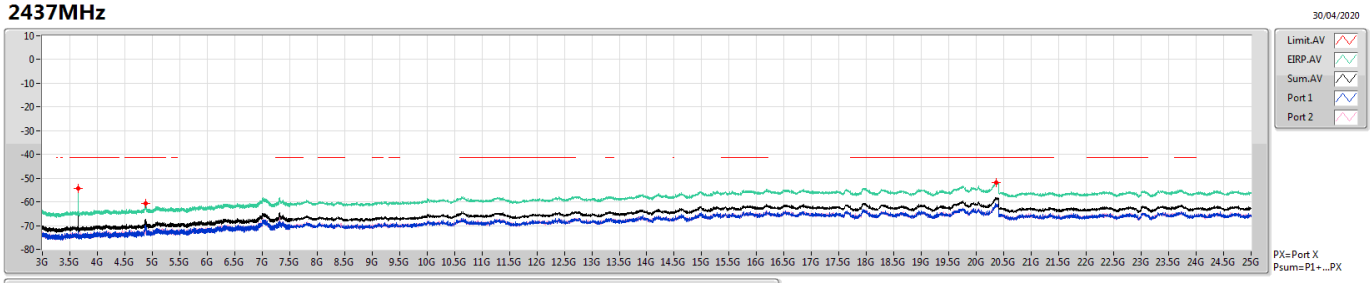
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.87706G	-51.76	-21.20	-30.56	6.43	0.00	-58.19	-59.66	-63.61
3G	7.5G	1M	PK	7.31213G	-48.44	-21.20	-27.24	6.43	0.00	-54.87	-58.94	-57.03
7.5G	25G	1M	PK	20.36688G	-42.95	-21.20	-21.75	6.43	0.00	-49.38	-52.57	-52.21

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

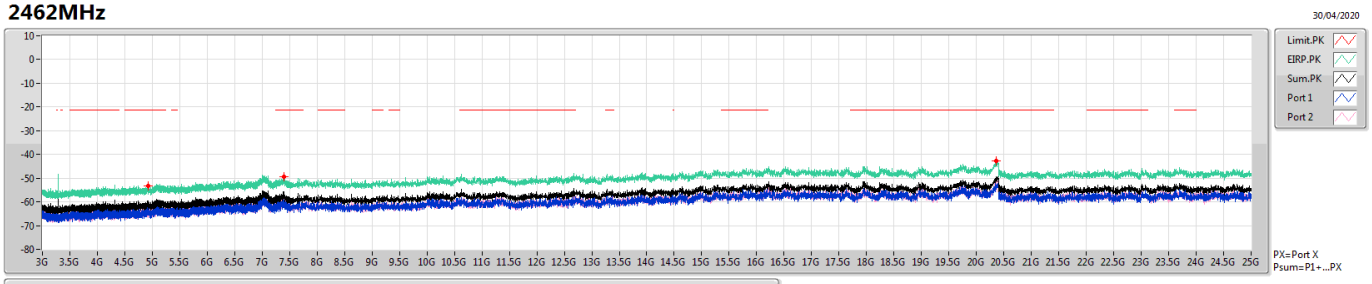
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	3.65531G	-54.31	-41.20	-13.11	6.43	0.00	-60.74	-67.82	-61.69
3G	7.5G	1M	AV	4.88044G	-60.75	-41.20	-19.55	6.43	0.00	-67.18	-68.62	-72.69
7.5G	25G	1M	AV	20.35813G	-51.74	-41.20	-10.54	6.43	0.00	-58.17	-61.33	-61.03

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

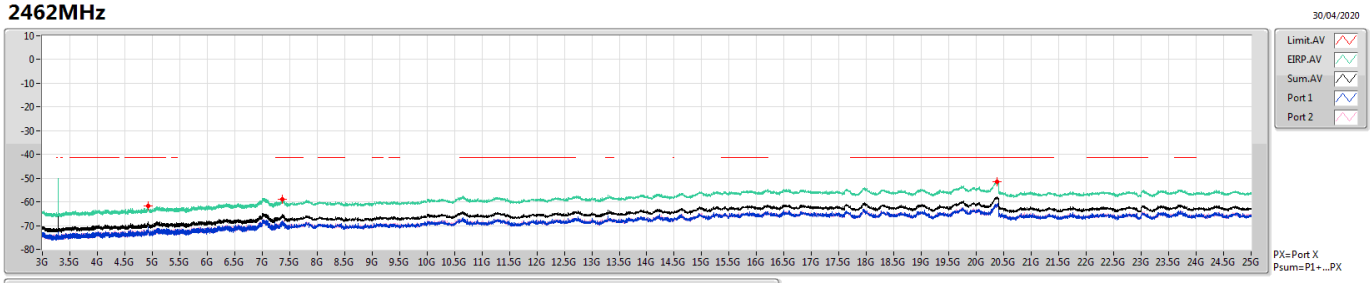
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.91813G	-53.17	-21.20	-31.97	6.43	0.00	-59.60	-62.44	-62.78
3G	7.5G	1M	PK	7.39256G	-49.40	-21.20	-28.20	6.43	0.00	-55.83	-59.97	-57.94
7.5G	25G	1M	PK	20.35813G	-42.88	-21.20	-21.68	6.43	0.00	-49.31	-53.34	-51.49

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	4.92319G	-61.83	-41.20	-20.63	6.43	0.00	-68.26	-70.63	-72.03
3G	7.5G	1M	AV	7.37006G	-58.96	-41.20	-17.76	6.43	0.00	-65.39	-68.06	-68.76
7.5G	25G	1M	AV	20.36906G	-51.55	-41.20	-10.35	6.43	0.00	-57.98	-60.92	-61.06

<2T2S>

For Conducted Harmonic (3~25GHz):

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	3G	7.5G	AV	7.38469G	3.42	-57.26	-59.26	-55.14	-51.72	-41.20	-10.52

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

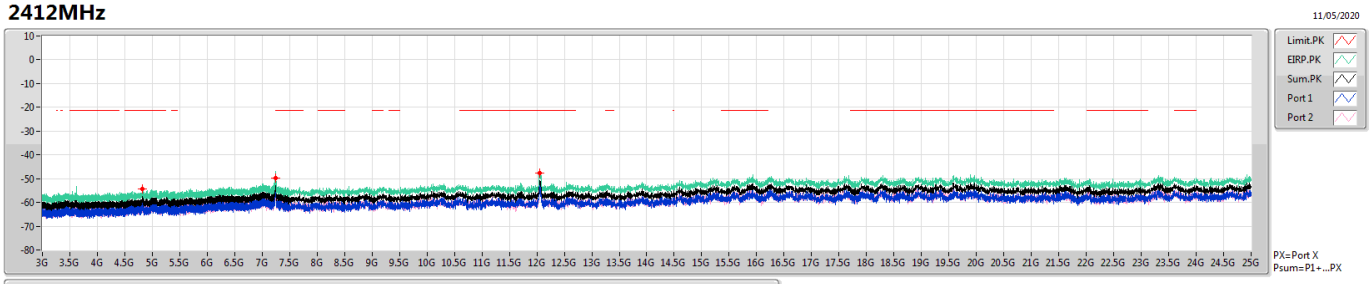
Result

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	3G	7.5G	AV	3.61763G	2.98	-70.05	-60.98	-60.47	-57.49	-41.20	-16.29
2412MHz	Pass	3G	7.5G	AV	4.82475G	2.98	-70.01	-69.26	-66.61	-63.63	-41.20	-22.43
2412MHz	Pass	7.5G	25G	AV	12.06094G	2.98	-62.96	-62.82	-59.88	-56.90	-41.20	-15.70
2412MHz	Pass	3G	7.5G	PK	4.82194G	2.98	-60.64	-59.74	-57.16	-54.18	-21.20	-32.98
2412MHz	Pass	3G	7.5G	PK	7.25025G	2.98	-57.42	-54.56	-52.75	-49.77	-21.20	-28.57
2412MHz	Pass	7.5G	25G	PK	12.05219G	2.98	-52.81	-54.89	-50.72	-47.74	-21.20	-26.54
2437MHz												
2462MHz	Pass	3G	7.5G	AV	4.91981G	3.42	-69.41	-71.23	-67.22	-63.80	-41.20	-22.60
2462MHz	Pass	3G	7.5G	AV	7.38469G	3.42	-57.26	-59.26	-55.14	-51.72	-41.20	-10.52
2462MHz	Pass	7.5G	25G	AV	18.94063G	3.42	-63.95	-63.67	-60.80	-57.38	-41.20	-16.18
2462MHz	Pass	3G	7.5G	PK	4.91981G	3.42	-60.22	-62.70	-58.28	-54.86	-21.20	-33.66
2462MHz	Pass	3G	7.5G	PK	7.37738G	3.42	-47.53	-48.66	-45.05	-41.63	-21.20	-20.43
2462MHz	Pass	7.5G	25G	PK	19.93594G	3.42	-54.89	-53.77	-51.28	-47.86	-21.20	-26.66

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

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-PK**

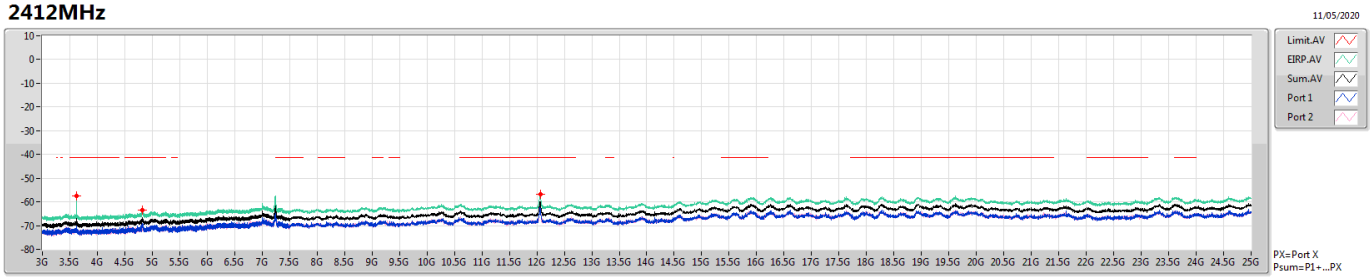
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.82194G	-54.18	-21.20	-32.98	2.98	0.00	-57.16	-60.64	-59.74
3G	7.5G	1M	PK	7.25025G	-49.77	-21.20	-28.57	2.98	0.00	-52.75	-57.42	-54.56
7.5G	25G	1M	PK	12.05219G	-47.74	-21.20	-26.54	2.98	0.00	-50.72	-52.81	-54.89

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-AV**

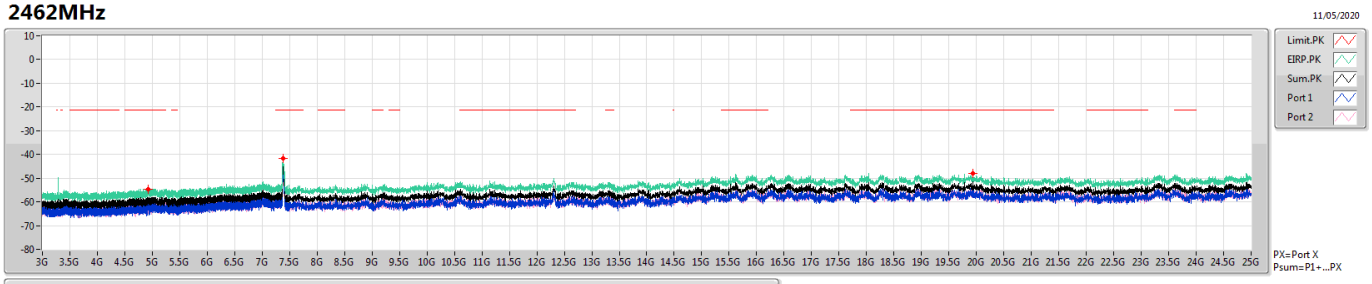
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	3.61763G	-57.49	-41.20	-16.29	2.98	0.00	-60.47	-70.05	-60.98
3G	7.5G	1M	AV	4.82475G	-63.63	-41.20	-22.43	2.98	0.00	-66.61	-70.01	-69.26
7.5G	25G	1M	AV	12.06094G	-56.90	-41.20	-15.70	2.98	0.00	-59.88	-62.96	-62.82

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-PK**

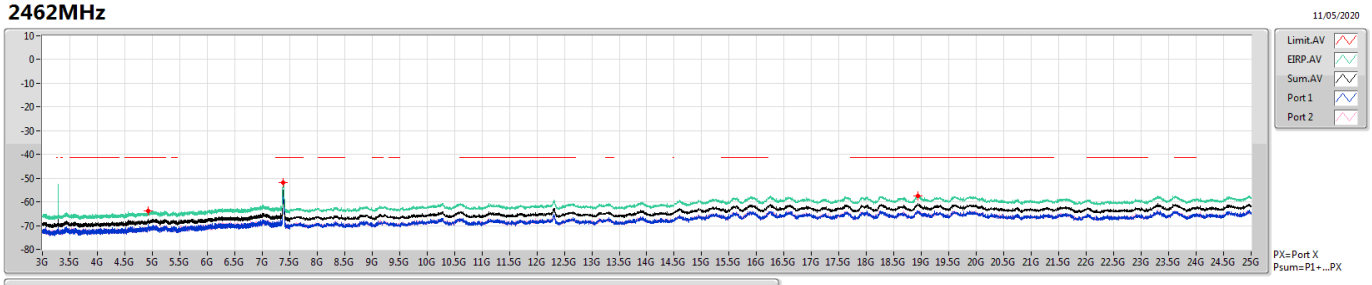
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	PK	4.91981G	-54.86	-21.20	-33.66	3.42	0.00	-58.28	-60.22	-62.70
3G	7.5G	1M	PK	7.37738G	-41.63	-21.20	-20.43	3.42	0.00	-45.05	-47.53	-48.66
7.5G	25G	1M	PK	19.93594G	-47.86	-21.20	-26.66	3.42	0.00	-51.28	-54.89	-53.77

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-AV**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
3G	7.5G	1M	AV	4.91981G	-63.80	-41.20	-22.60	3.42	0.00	-67.22	-69.41	-71.23
3G	7.5G	1M	AV	7.38469G	-51.72	-41.20	-10.52	3.42	0.00	-55.14	-57.26	-59.26
7.5G	25G	1M	AV	18.94063G	-57.38	-41.20	-16.18	3.42	0.00	-60.80	-63.95	-63.67

<2T1S>

For Conducted Bandedge:
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	2.4835G	2.5235G	AV	2.48566G	6.43	-51.77	-55.75	-50.31	-43.88	-41.2	-2.68
802.11g_Nss1,(6Mbps)_2TX	Pass	2.36G	2.4G	PK	2.389G	5.99	-31.65	-29.97	-27.72	-21.73	-21.2	-0.53
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4835G	2.5235G	PK	2.48418G	6.43	-29.82	-33.45	-28.26	-21.83	-21.2	-0.63

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

Result

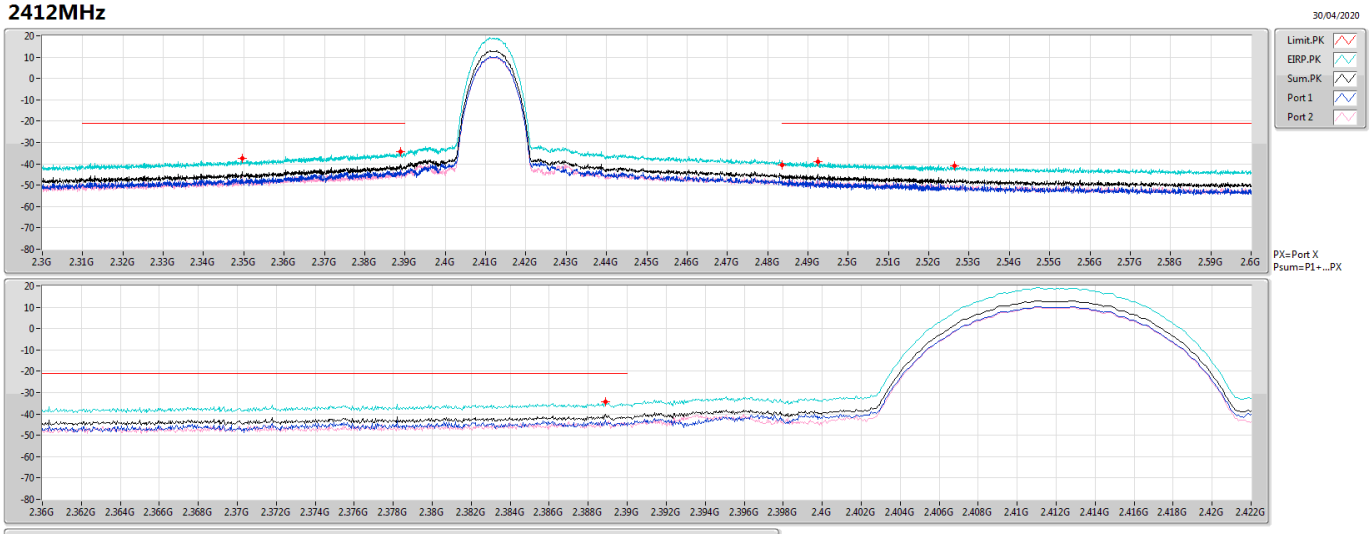
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35664G	5.99	-58.77	-58.89	-55.82	-49.83	-41.2	-8.63
2412MHz	Pass	2.36G	2.4G	AV	2.38828G	5.99	-55.44	-54.65	-52.02	-46.03	-41.2	-4.83
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.99	-60.48	-60.38	-57.42	-51.43	-41.2	-10.23
2412MHz	Pass	2.4835G	2.5235G	AV	2.48378G	5.99	-60.01	-60.54	-57.26	-51.27	-41.2	-10.07
2412MHz	Pass	2.5235G	2.6G	AV	2.52472G	5.99	-62.99	-62.54	-59.75	-53.76	-41.2	-12.56
2412MHz	Pass	2.3G	2.36G	PK	2.34956G	5.99	-47.08	-46.04	-43.52	-37.53	-21.2	-16.33
2412MHz	Pass	2.36G	2.4G	PK	2.38888G	5.99	-42.94	-43.43	-40.17	-34.18	-21.2	-12.98
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.99	-49.41	-49.65	-46.52	-40.53	-21.2	-19.33
2412MHz	Pass	2.4835G	2.5235G	PK	2.49254G	5.99	-47.07	-49.1	-44.96	-38.97	-21.2	-17.77
2412MHz	Pass	2.5235G	2.6G	PK	2.52641G	5.99	-50.35	-49.85	-47.08	-41.09	-21.2	-19.89
2437MHz	Pass	2.3G	2.36G	AV	2.35772G	6.43	-59.58	-58.55	-56.02	-49.59	-41.20	-8.39
2437MHz	Pass	2.36G	2.4G	AV	2.3882G	6.43	-58.37	-55.91	-53.96	-47.53	-41.20	-6.33
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-58.98	-57.51	-55.17	-48.74	-41.20	-7.54
2437MHz	Pass	2.4835G	2.5235G	AV	2.48582G	6.43	-58.94	-56.83	-54.75	-48.32	-41.20	-7.12
2437MHz	Pass	2.5235G	2.6G	AV	2.52472G	6.43	-61.57	-60.37	-57.92	-51.49	-41.20	-10.29
2437MHz	Pass	2.3G	2.36G	PK	2.35334G	6.43	-46.51	-47.05	-43.76	-37.33	-21.20	-16.13
2437MHz	Pass	2.36G	2.4G	PK	2.38852G	6.43	-45.10	-43.80	-41.39	-34.96	-21.20	-13.76
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-47.54	-45.93	-43.65	-37.22	-21.20	-16.02
2437MHz	Pass	2.4835G	2.5235G	PK	2.48442G	6.43	-48.02	-44.12	-42.64	-36.21	-21.20	-15.01
2437MHz	Pass	2.5235G	2.6G	PK	2.52572G	6.43	-50.48	-46.59	-45.10	-38.67	-21.20	-17.47
2462MHz	Pass	2.3G	2.36G	AV	2.3597G	6.43	-58.78	-60.08	-56.37	-49.94	-41.2	-8.74
2462MHz	Pass	2.36G	2.4G	AV	2.36124G	6.43	-57.08	-59.11	-54.97	-48.54	-41.2	-7.34
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-54.19	-54.88	-51.51	-45.08	-41.2	-3.88
2462MHz	Pass	2.4835G	2.5235G	AV	2.48566G	6.43	-51.77	-55.75	-50.31	-43.88	-41.2	-2.68
2462MHz	Pass	2.5235G	2.6G	AV	2.56114G	6.43	-58.61	-58.83	-55.71	-49.28	-41.2	-8.08
2462MHz	Pass	2.3G	2.36G	PK	2.3594G	6.43	-47.64	-49	-45.26	-38.83	-21.2	-17.63
2462MHz	Pass	2.36G	2.4G	PK	2.36324G	6.43	-47.32	-47.05	-44.17	-37.74	-21.2	-16.54
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-42.71	-44.15	-40.36	-33.93	-21.2	-12.73
2462MHz	Pass	2.4835G	2.5235G	PK	2.49166G	6.43	-40.88	-44.13	-39.2	-32.77	-21.2	-11.57
2462MHz	Pass	2.5235G	2.6G	PK	2.52641G	6.43	-46.27	-46.79	-43.51	-37.08	-21.2	-15.88
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35982G	5.99	-58.02	-58.51	-55.25	-49.26	-41.2	-8.06
2412MHz	Pass	2.36G	2.4G	AV	2.38972G	5.99	-53.51	-52.28	-49.84	-43.85	-41.2	-2.65
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.99	-60.14	-60.23	-57.17	-51.18	-41.2	-9.98
2412MHz	Pass	2.4835G	2.5235G	AV	2.4843G	5.99	-60.14	-59.87	-56.99	-51.00	-41.2	-9.80
2412MHz	Pass	2.5235G	2.6G	AV	2.52564G	5.99	-62.55	-62.4	-59.46	-53.47	-41.2	-12.27
2412MHz	Pass	2.3G	2.36G	PK	2.35724G	5.99	-46.55	-45.3	-42.87	-36.88	-21.2	-15.68
2412MHz	Pass	2.36G	2.4G	PK	2.389G	5.99	-31.65	-29.97	-27.72	-21.73	-21.2	-0.53
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.99	-48.3	-48.33	-45.3	-39.31	-21.2	-18.11
2412MHz	Pass	2.4835G	2.5235G	PK	2.48538G	5.99	-48.22	-47.18	-44.66	-38.67	-21.2	-17.47
2412MHz	Pass	2.5235G	2.6G	PK	2.52457G	5.99	-50.93	-49.31	-47.03	-41.04	-21.2	-19.84
2437MHz	Pass	2.3G	2.36G	AV	2.36G	6.43	-58.77	-59.72	-56.21	-49.78	-41.2	-8.58
2437MHz	Pass	2.36G	2.4G	AV	2.38944G	6.43	-54.65	-56.07	-52.29	-45.86	-41.2	-4.66
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-54.64	-55.48	-52.03	-45.60	-41.2	-4.40
2437MHz	Pass	2.4835G	2.5235G	AV	2.48358G	6.43	-54.72	-55.81	-52.22	-45.79	-41.2	-4.59
2437MHz	Pass	2.5235G	2.6G	AV	2.52434G	6.43	-59.77	-59.56	-56.65	-50.22	-41.2	-9.02
2437MHz	Pass	2.3G	2.36G	PK	2.35628G	6.43	-45.65	-48.55	-43.85	-37.42	-21.2	-16.22
2437MHz	Pass	2.36G	2.4G	PK	2.38816G	6.43	-39.85	-38.65	-36.2	-29.77	-21.2	-8.57
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-39.22	-44.39	-38.07	-31.64	-21.2	-10.44
2437MHz	Pass	2.4835G	2.5235G	PK	2.48358G	6.43	-37.22	-42.94	-36.19	-29.76	-21.2	-8.56
2437MHz	Pass	2.5235G	2.6G	PK	2.52794G	6.43	-47.4	-47.63	-44.5	-38.07	-21.2	-16.87
2462MHz	Pass	2.3G	2.36G	AV	2.3594G	6.43	-60.58	-61.82	-58.15	-51.72	-41.2	-10.52

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	AV	2.3894G	6.43	-59.97	-60.54	-57.24	-50.81	-41.2	-9.61
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-54.06	-55.47	-51.7	-45.27	-41.2	-4.07
2462MHz	Pass	2.4835G	2.5235G	AV	2.48366G	6.43	-54.44	-55.36	-51.87	-45.44	-41.2	-4.24
2462MHz	Pass	2.5235G	2.6G	AV	2.52358G	6.43	-59.82	-59.92	-56.86	-50.43	-41.2	-9.23
2462MHz	Pass	2.3G	2.36G	PK	2.35802G	6.43	-48.18	-49.73	-45.88	-39.45	-21.2	-18.25
2462MHz	Pass	2.36G	2.4G	PK	2.38776G	6.43	-47.46	-48.53	-44.95	-38.52	-21.2	-17.32
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-33.56	-35.34	-31.35	-24.92	-21.2	-3.72
2462MHz	Pass	2.4835G	2.5235G	PK	2.48434G	6.43	-32.38	-35.51	-30.66	-24.23	-21.2	-3.03
2462MHz	Pass	2.5235G	2.6G	PK	2.52381G	6.43	-47.61	-47.08	-44.33	-37.90	-21.2	-16.70
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35922G	5.99	-58.81	-58.86	-55.82	-49.83	-41.2	-8.63
2412MHz	Pass	2.36G	2.4G	AV	2.38992G	5.99	-53.97	-53.21	-50.56	-44.57	-41.2	-3.37
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	5.99	-60.63	-61.07	-57.83	-51.84	-41.2	-10.64
2412MHz	Pass	2.4835G	2.5235G	AV	2.48486G	5.99	-60.52	-60.84	-57.67	-51.68	-41.2	-10.48
2412MHz	Pass	2.5235G	2.6G	AV	2.52365G	5.99	-62.82	-62.79	-59.79	-53.80	-41.2	-12.60
2412MHz	Pass	2.3G	2.36G	PK	2.35712G	5.99	-45.2	-46.87	-42.94	-36.95	-21.2	-15.75
2412MHz	Pass	2.36G	2.4G	PK	2.38952G	5.99	-32.68	-32.7	-29.68	-23.69	-21.2	-2.49
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	5.99	-48.14	-49.7	-45.84	-39.85	-21.2	-18.65
2412MHz	Pass	2.4835G	2.5235G	PK	2.48606G	5.99	-48.1	-48.48	-45.28	-39.29	-21.2	-18.09
2412MHz	Pass	2.5235G	2.6G	PK	2.52878G	5.99	-51.27	-49.86	-47.5	-41.51	-21.2	-20.31
2437MHz	Pass	2.3G	2.36G	AV	2.35916G	6.43	-58.87	-59.91	-56.35	-49.92	-41.2	-8.72
2437MHz	Pass	2.36G	2.4G	AV	2.38992G	6.43	-54.4	-55.19	-51.77	-45.34	-41.2	-4.14
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-55.07	-55.77	-52.4	-45.97	-41.2	-4.77
2437MHz	Pass	2.4835G	2.5235G	AV	2.48438G	6.43	-54.7	-55.75	-52.18	-45.75	-41.2	-4.55
2437MHz	Pass	2.5235G	2.6G	AV	2.52396G	6.43	-59.76	-60.08	-56.91	-50.48	-41.2	-9.28
2437MHz	Pass	2.3G	2.36G	PK	2.35862G	6.43	-44.97	-48.1	-43.25	-36.82	-21.2	-15.62
2437MHz	Pass	2.36G	2.4G	PK	2.38976G	6.43	-38.4	-37.22	-34.76	-28.33	-21.2	-7.13
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-39.43	-42.29	-37.62	-31.19	-21.2	-9.99
2437MHz	Pass	2.4835G	2.5235G	PK	2.4835G	6.43	-38.82	-40.4	-36.53	-30.10	-21.2	-8.90
2437MHz	Pass	2.5235G	2.6G	PK	2.5235G	6.43	-47.49	-46.81	-44.13	-37.70	-21.2	-16.50
2462MHz	Pass	2.3G	2.36G	AV	2.35778G	6.43	-60.98	-61.9	-58.41	-51.98	-41.2	-10.78
2462MHz	Pass	2.36G	2.4G	AV	2.38948G	6.43	-60.17	-60.68	-57.41	-50.98	-41.2	-9.78
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	6.43	-51.21	-55.39	-49.81	-43.38	-41.2	-2.18
2462MHz	Pass	2.4835G	2.5235G	AV	2.48362G	6.43	-51.2	-55.3	-49.77	-43.34	-41.2	-2.14
2462MHz	Pass	2.5235G	2.6G	AV	2.52434G	6.43	-59.98	-60.25	-57.1	-50.67	-41.2	-9.47
2462MHz	Pass	2.3G	2.36G	PK	2.35286G	6.43	-48.48	-50.7	-46.44	-40.01	-21.2	-18.81
2462MHz	Pass	2.36G	2.4G	PK	2.38924G	6.43	-47.84	-48.14	-44.98	-38.55	-21.2	-17.35
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	6.43	-30.94	-36.71	-29.92	-23.49	-21.2	-2.29
2462MHz	Pass	2.4835G	2.5235G	PK	2.48418G	6.43	-29.82	-33.45	-28.26	-21.83	-21.2	-0.63
2462MHz	Pass	2.5235G	2.6G	PK	2.52526G	6.43	-47.07	-47.87	-44.44	-38.01	-21.2	-16.81

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

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

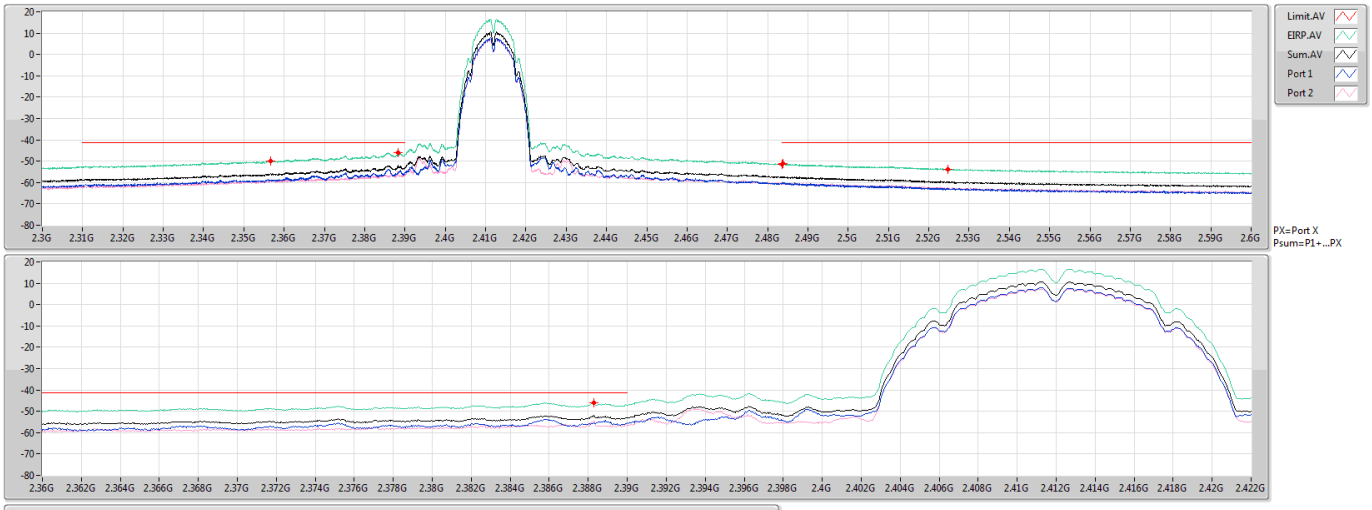
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.34956G	-37.53	-21.20	-16.33	5.99	0.00	-43.52	-47.08	-46.04
2.36G	2.4G	1M	PK	2.38888G	-34.18	-21.20	-12.98	5.99	0.00	-40.17	-42.94	-43.43
2.4G	2.4835G	1M	PK	2.4835G	-40.53	-21.20	-19.33	5.99	0.00	-46.52	-49.41	-49.65
2.4835G	2.5235G	1M	PK	2.49254G	-38.97	-21.20	-17.77	5.99	0.00	-44.96	-47.07	-49.10
2.5235G	2.6G	1M	PK	2.52641G	-41.09	-21.20	-19.89	5.99	0.00	-47.08	-50.35	-49.85

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

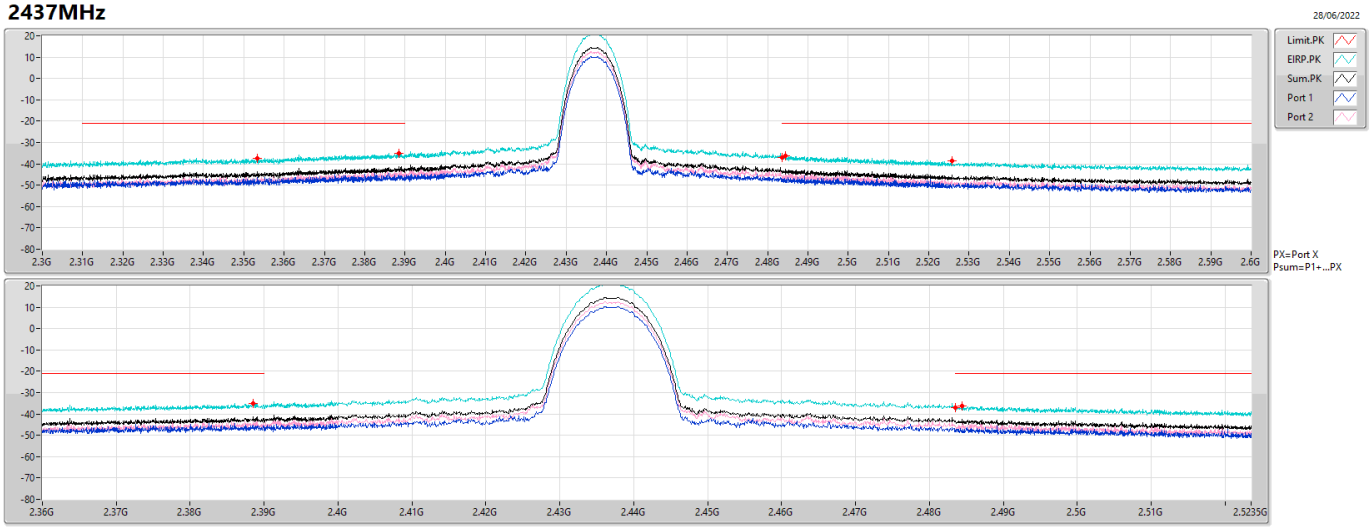
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35664G	-49.83	-41.20	-8.63	5.99	0.00	-55.82	-58.77	-58.89
2.36G	2.4G	1M	AV	2.38828G	-46.03	-41.20	-4.83	5.99	0.00	-52.02	-55.44	-54.65
2.4G	2.4835G	1M	AV	2.4835G	-51.43	-41.20	-10.23	5.99	0.00	-57.42	-60.48	-60.38
2.4835G	2.5235G	1M	AV	2.48378G	-51.27	-41.20	-10.07	5.99	0.00	-57.26	-60.01	-60.54
2.5235G	2.6G	1M	AV	2.52472G	-53.76	-41.20	-12.56	5.99	0.00	-59.75	-62.99	-62.54

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

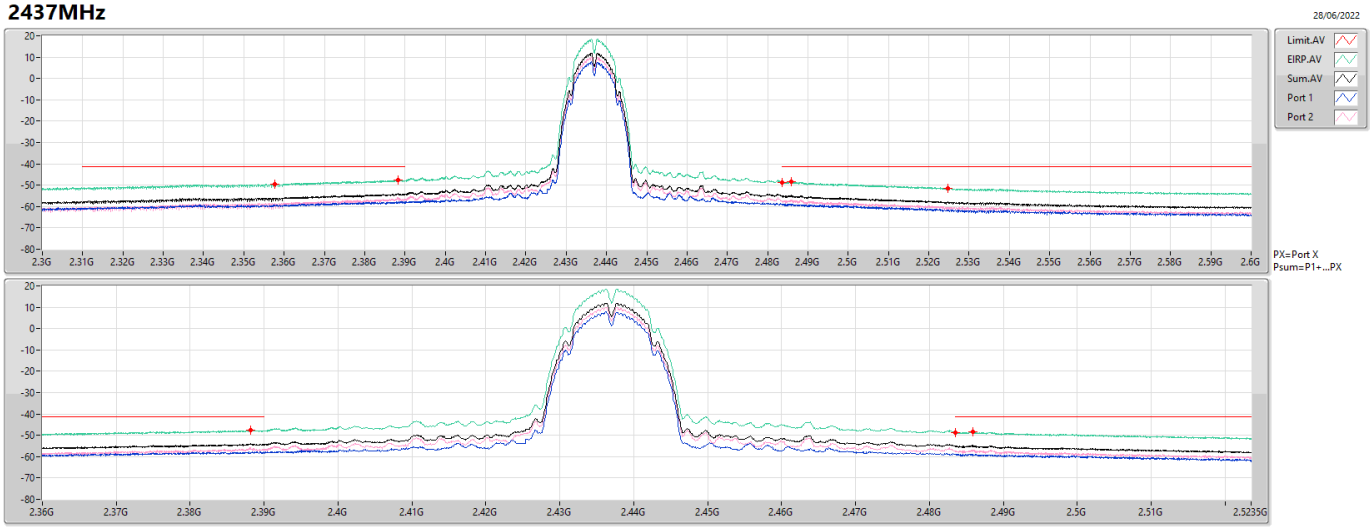
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35334G	-37.33	-21.20	-16.13	6.43	0.00	-43.76	-46.51	-47.05
2.36G	2.4G	1M	PK	2.38852G	-34.96	-21.20	-13.76	6.43	0.00	-41.39	-45.10	-43.80
2.4G	2.4835G	1M	PK	2.4835G	-37.22	-21.20	-16.02	6.43	0.00	-43.65	-47.54	-45.93
2.4835G	2.5235G	1M	PK	2.48442G	-36.21	-21.20	-15.01	6.43	0.00	-42.64	-48.02	-44.12
2.5235G	2.6G	1M	PK	2.52572G	-38.67	-21.20	-17.47	6.43	0.00	-45.10	-50.48	-46.59

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

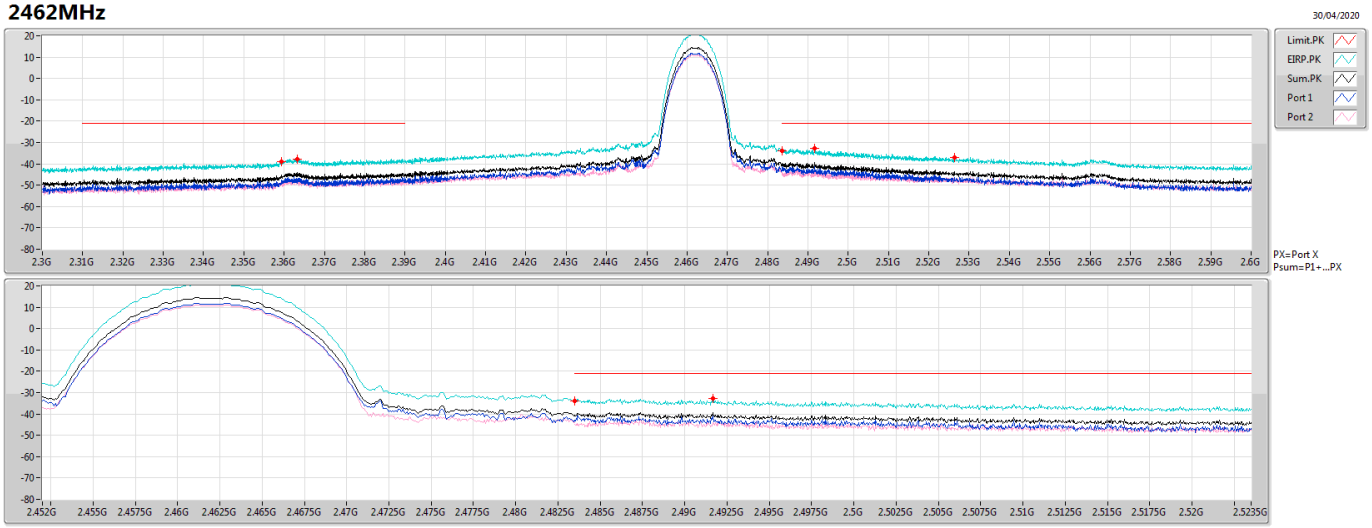
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35772G	-49.59	-41.20	-8.39	6.43	0.00	-56.02	-59.58	-58.55
2.36G	2.4G	1M	AV	2.3882G	-47.53	-41.20	-6.33	6.43	0.00	-53.96	-58.37	-55.91
2.4G	2.4835G	1M	AV	2.4835G	-48.74	-41.20	-7.54	6.43	0.00	-55.17	-58.98	-57.51
2.4835G	2.5235G	1M	AV	2.48582G	-48.32	-41.20	-7.12	6.43	0.00	-54.75	-58.94	-56.83
2.5235G	2.6G	1M	AV	2.52472G	-51.49	-41.20	-10.29	6.43	0.00	-57.92	-61.57	-60.37

802.11b_Nss1,(1Mbps)_2TX **CSE-PK**

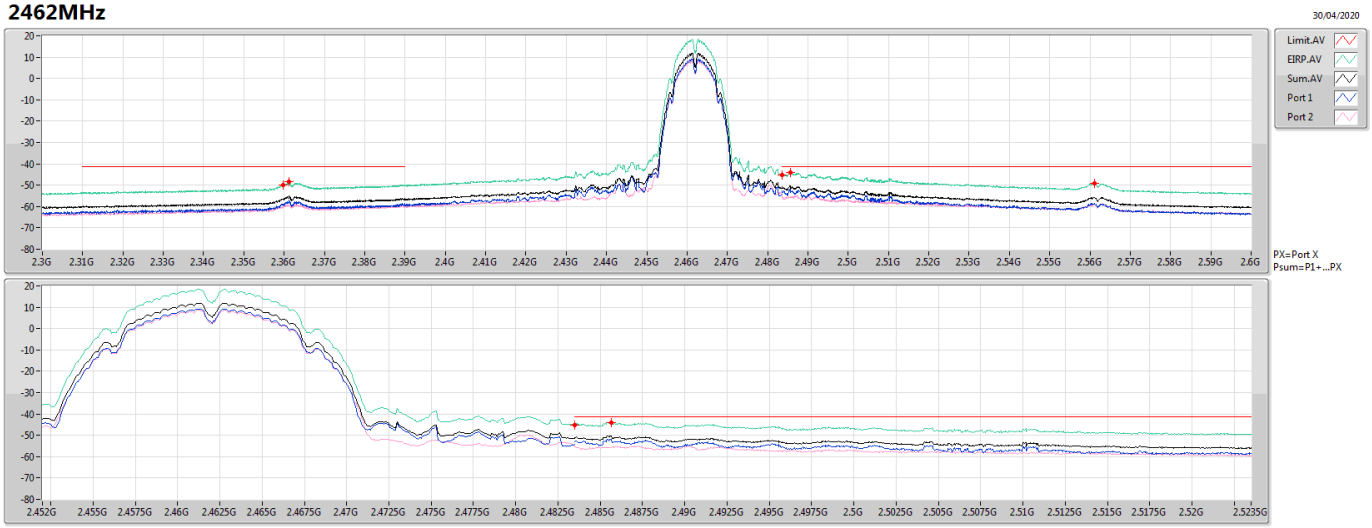
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.3594G	-38.83	-21.20	-17.63	6.43	0.00	-45.26	-47.64	-49.00
2.36G	2.4G	1M	PK	2.36324G	-37.74	-21.20	-16.54	6.43	0.00	-44.17	-47.32	-47.05
2.4G	2.4835G	1M	PK	2.4835G	-33.93	-21.20	-12.73	6.43	0.00	-40.36	-42.71	-44.15
2.4835G	2.5235G	1M	PK	2.49166G	-32.77	-21.20	-11.57	6.43	0.00	-39.20	-40.88	-44.13
2.5235G	2.6G	1M	PK	2.52641G	-37.08	-21.20	-15.88	6.43	0.00	-43.51	-46.27	-46.79

802.11b_Nss1,(1Mbps)_2TX **CSE-AV**

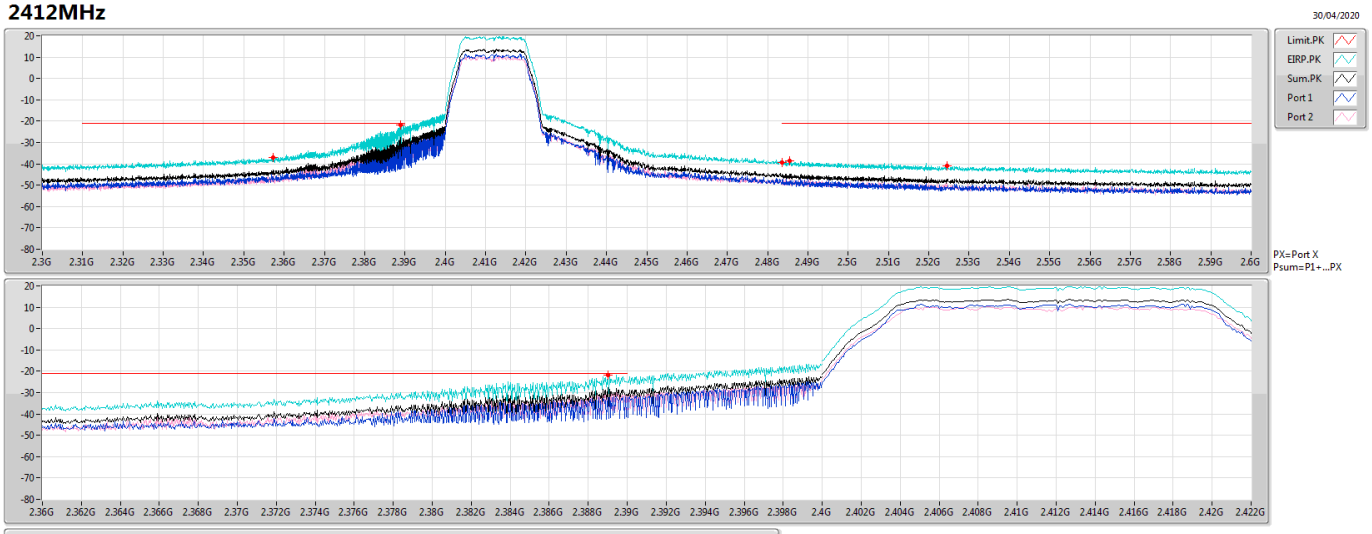
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.3597G	-49.94	-41.20	-8.74	6.43	0.00	-56.37	-58.78	-60.08
2.36G	2.4G	1M	AV	2.36124G	-48.54	-41.20	-7.34	6.43	0.00	-54.97	-57.08	-59.11
2.4G	2.4835G	1M	AV	2.4835G	-45.08	-41.20	-3.88	6.43	0.00	-51.51	-54.19	-54.88
2.4835G	2.5235G	1M	AV	2.48566G	-43.88	-41.20	-2.68	6.43	0.00	-50.31	-51.77	-55.75
2.5235G	2.6G	1M	AV	2.56114G	-49.28	-41.20	-8.08	6.43	0.00	-55.71	-58.61	-58.83

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

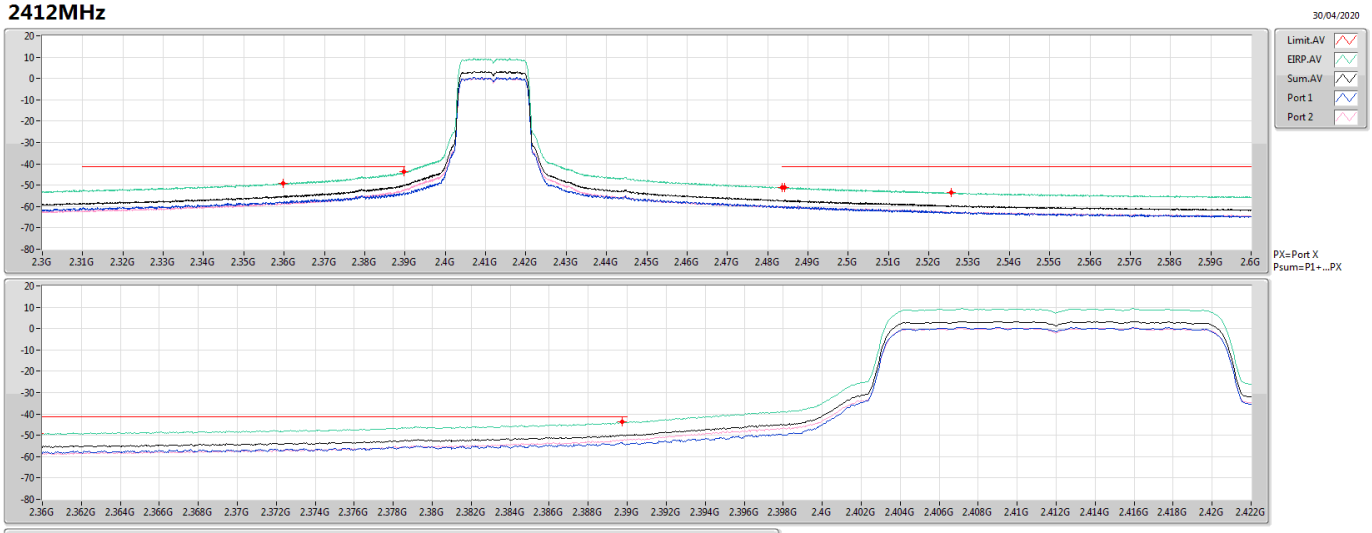
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35724G	-36.88	-21.20	-15.68	5.99	0.00	-42.87	-46.55	-45.30
2.36G	2.4G	1M	PK	2.389G	-21.73	-21.20	-0.53	5.99	0.00	-27.72	-31.65	-29.97
2.4G	2.4835G	1M	PK	2.4835G	-39.31	-21.20	-18.11	5.99	0.00	-45.30	-48.30	-48.33
2.4835G	2.5235G	1M	PK	2.48538G	-38.67	-21.20	-17.47	5.99	0.00	-44.66	-48.22	-47.18
2.5235G	2.6G	1M	PK	2.52457G	-41.04	-21.20	-19.84	5.99	0.00	-47.03	-50.93	-49.31

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

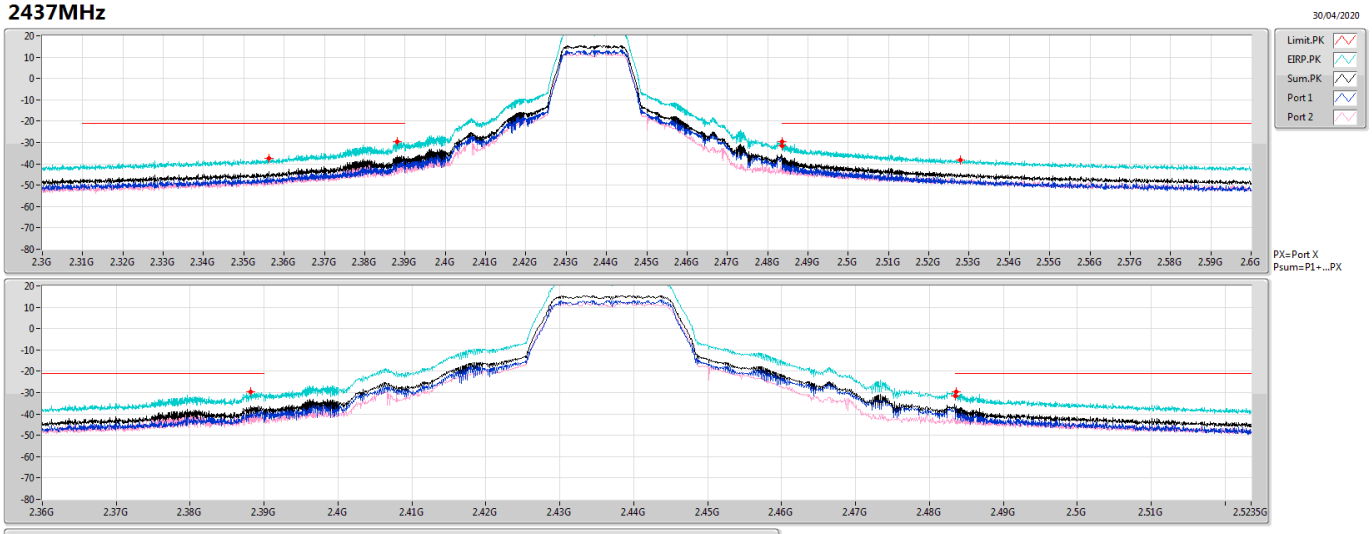
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35982G	-49.26	-41.20	-8.06	5.99	0.00	-55.25	-58.02	-58.51
2.36G	2.4G	1M	AV	2.38972G	-43.85	-41.20	-2.65	5.99	0.00	-49.84	-53.51	-52.28
2.4G	2.4835G	1M	AV	2.4835G	-51.18	-41.20	-9.98	5.99	0.00	-57.17	-60.14	-60.23
2.4835G	2.5235G	1M	AV	2.4843G	-51.00	-41.20	-9.80	5.99	0.00	-56.99	-60.14	-59.87
2.5235G	2.6G	1M	AV	2.52564G	-53.47	-41.20	-12.27	5.99	0.00	-59.46	-62.55	-62.40

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

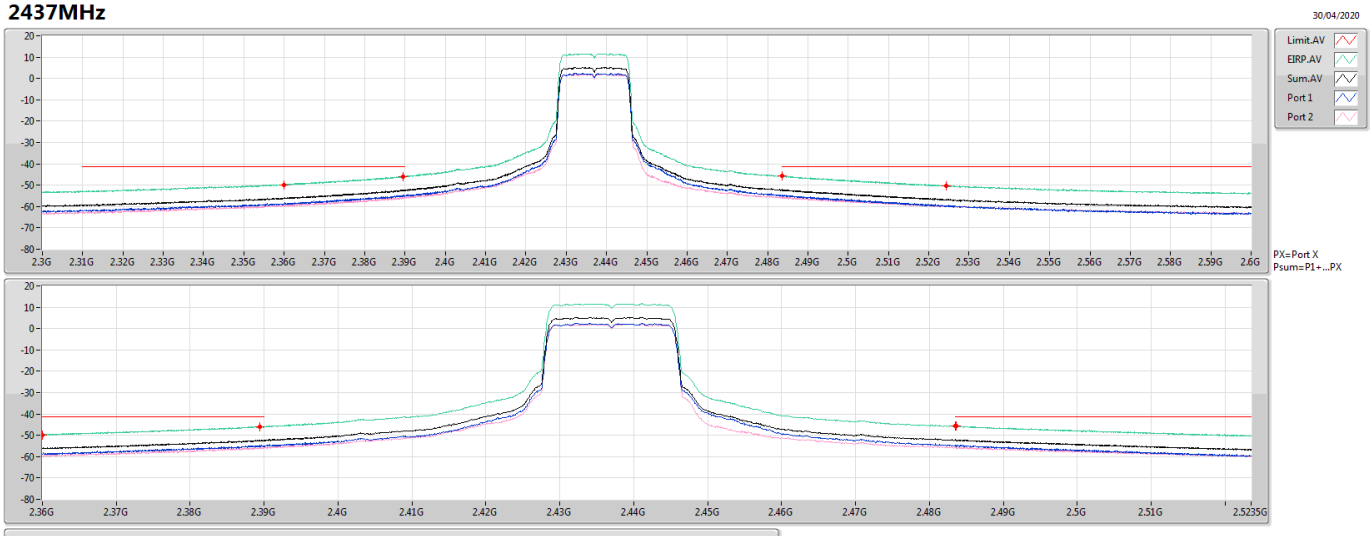
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35628G	-37.42	-21.20	-16.22	6.43	0.00	-43.85	-45.65	-48.55
2.36G	2.4G	1M	PK	2.38816G	-29.77	-21.20	-8.57	6.43	0.00	-36.20	-39.85	-38.65
2.4G	2.4835G	1M	PK	2.4835G	-31.64	-21.20	-10.44	6.43	0.00	-38.07	-39.22	-44.39
2.4835G	2.5235G	1M	PK	2.48358G	-29.76	-21.20	-8.56	6.43	0.00	-36.19	-37.22	-42.94
2.5235G	2.6G	1M	PK	2.52794G	-38.07	-21.20	-16.87	6.43	0.00	-44.50	-47.40	-47.63

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

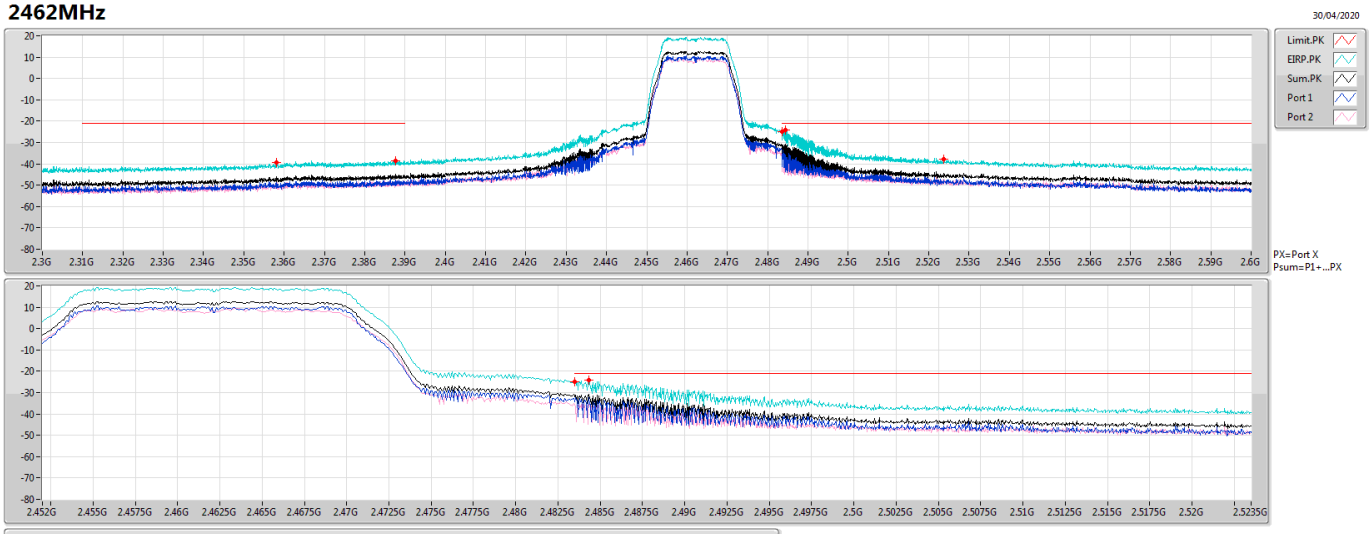
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.36G	-49.78	-41.20	-8.58	6.43	0.00	-56.21	-58.77	-59.72
2.36G	2.4G	1M	AV	2.38944G	-45.86	-41.20	-4.66	6.43	0.00	-52.29	-54.65	-56.07
2.4G	2.4835G	1M	AV	2.4835G	-45.60	-41.20	-4.40	6.43	0.00	-52.03	-54.64	-55.48
2.4835G	2.5235G	1M	AV	2.48358G	-45.79	-41.20	-4.59	6.43	0.00	-52.22	-54.72	-55.81
2.5235G	2.6G	1M	AV	2.52434G	-50.22	-41.20	-9.02	6.43	0.00	-56.65	-59.77	-59.56

802.11g_Nss1,(6Mbps)_2TX **CSE-PK**

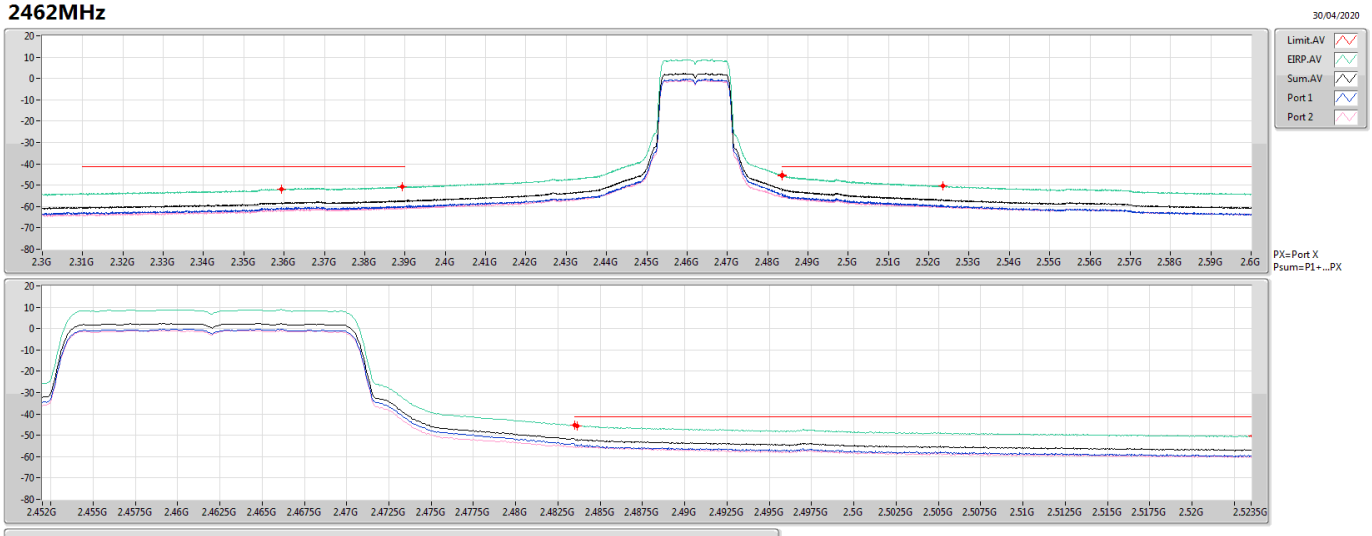
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35802G	-39.45	-21.20	-18.25	6.43	0.00	-45.88	-48.18	-49.73
2.36G	2.4G	1M	PK	2.38776G	-38.52	-21.20	-17.32	6.43	0.00	-44.95	-47.46	-48.53
2.4G	2.4835G	1M	PK	2.4835G	-24.92	-21.20	-3.72	6.43	0.00	-31.35	-33.56	-35.34
2.4835G	2.5235G	1M	PK	2.48434G	-24.23	-21.20	-3.03	6.43	0.00	-30.66	-32.38	-35.51
2.5235G	2.6G	1M	PK	2.52381G	-37.90	-21.20	-16.70	6.43	0.00	-44.33	-47.61	-47.08

802.11g_Nss1,(6Mbps)_2TX **CSE-AV**

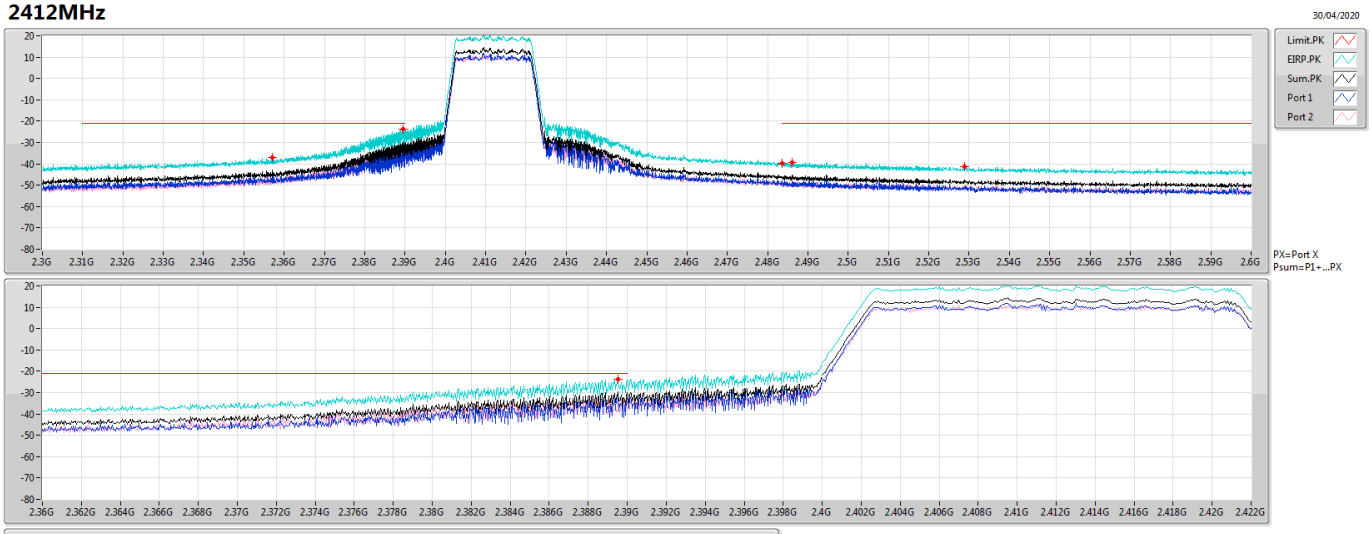
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.3594G	-51.72	-41.20	-10.52	6.43	0.00	-58.15	-60.58	-61.82
2.36G	2.4G	1M	AV	2.3894G	-50.81	-41.20	-9.61	6.43	0.00	-57.24	-59.97	-60.54
2.4G	2.4835G	1M	AV	2.4835G	-45.27	-41.20	-4.07	6.43	0.00	-51.70	-54.06	-55.47
2.4835G	2.5235G	1M	AV	2.48366G	-45.44	-41.20	-4.24	6.43	0.00	-51.87	-54.44	-55.36
2.5235G	2.6G	1M	AV	2.52358G	-50.43	-41.20	-9.23	6.43	0.00	-56.86	-59.82	-59.92

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

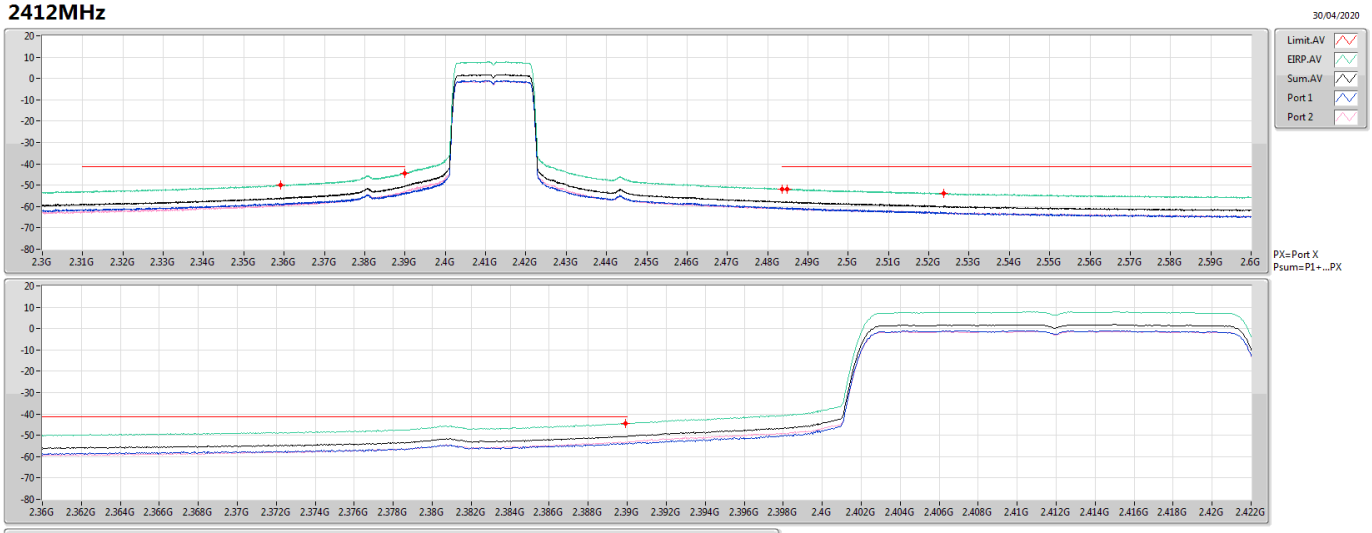
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35712G	-36.95	-21.20	-15.75	5.99	0.00	-42.94	-45.20	-46.87
2.36G	2.4G	1M	PK	2.38952G	-23.69	-21.20	-2.49	5.99	0.00	-29.68	-32.68	-32.70
2.4G	2.4835G	1M	PK	2.4835G	-39.85	-21.20	-18.65	5.99	0.00	-45.84	-48.14	-49.70
2.4835G	2.5235G	1M	PK	2.48606G	-39.29	-21.20	-18.09	5.99	0.00	-45.28	-48.10	-48.48
2.5235G	2.6G	1M	PK	2.52878G	-41.51	-21.20	-20.31	5.99	0.00	-47.50	-51.27	-49.86

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

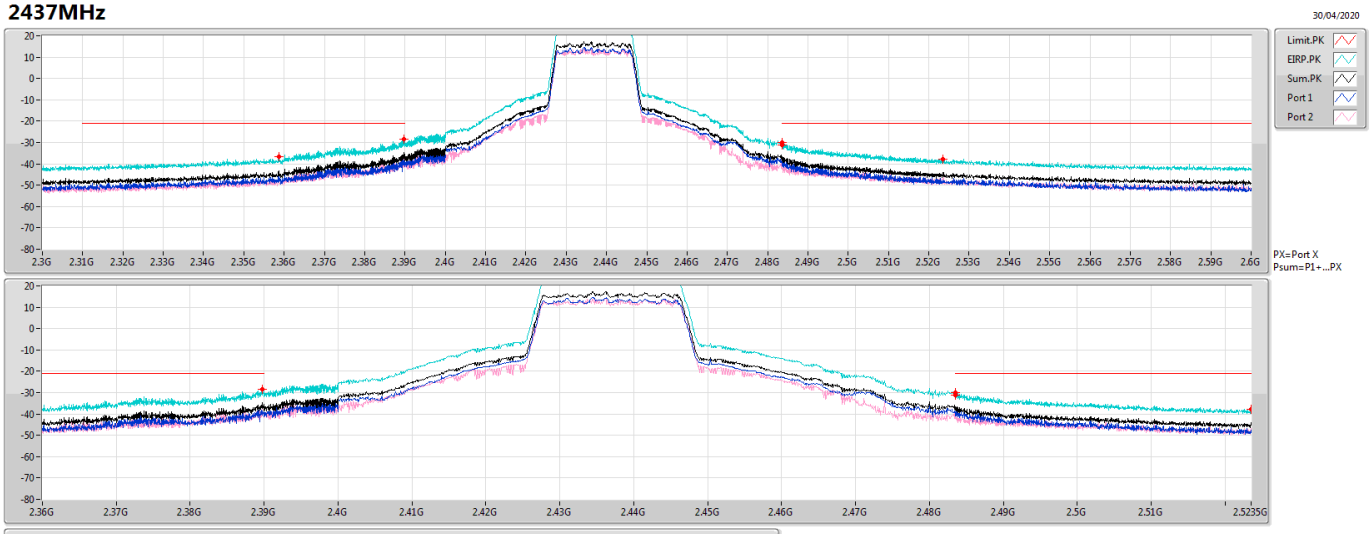
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35922G	-49.83	-41.20	-8.63	5.99	0.00	-55.82	-58.81	-58.86
2.36G	2.4G	1M	AV	2.38992G	-44.57	-41.20	-3.37	5.99	0.00	-50.56	-53.97	-53.21
2.4G	2.4835G	1M	AV	2.4835G	-51.84	-41.20	-10.64	5.99	0.00	-57.83	-60.63	-61.07
2.4835G	2.5235G	1M	AV	2.48486G	-51.68	-41.20	-10.48	5.99	0.00	-57.67	-60.52	-60.84
2.5235G	2.6G	1M	AV	2.52365G	-53.80	-41.20	-12.60	5.99	0.00	-59.79	-62.82	-62.79

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

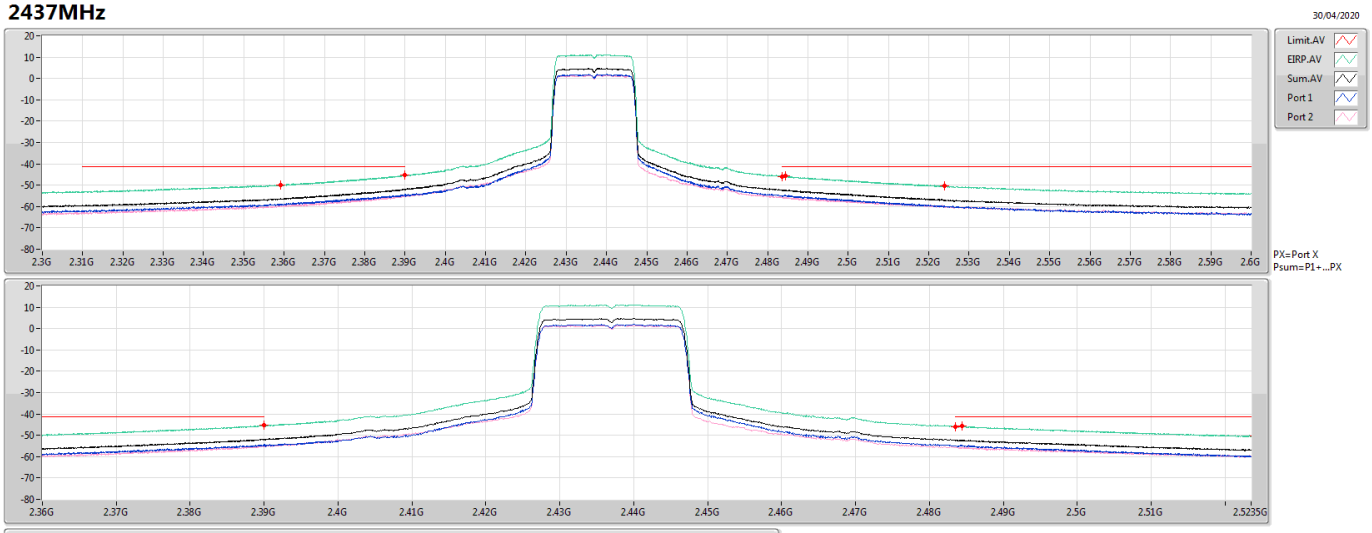
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35862G	-36.82	-21.20	-15.62	6.43	0.00	-43.25	-44.97	-48.10
2.36G	2.4G	1M	PK	2.38976G	-28.33	-21.20	-7.13	6.43	0.00	-34.76	-38.40	-37.22
2.4G	2.4835G	1M	PK	2.4835G	-31.19	-21.20	-9.99	6.43	0.00	-37.62	-39.43	-42.29
2.4835G	2.5235G	1M	PK	2.4835G	-30.10	-21.20	-8.90	6.43	0.00	-36.53	-38.82	-40.40
2.5235G	2.6G	1M	PK	2.5235G	-37.70	-21.20	-16.50	6.43	0.00	-44.13	-47.49	-46.81

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

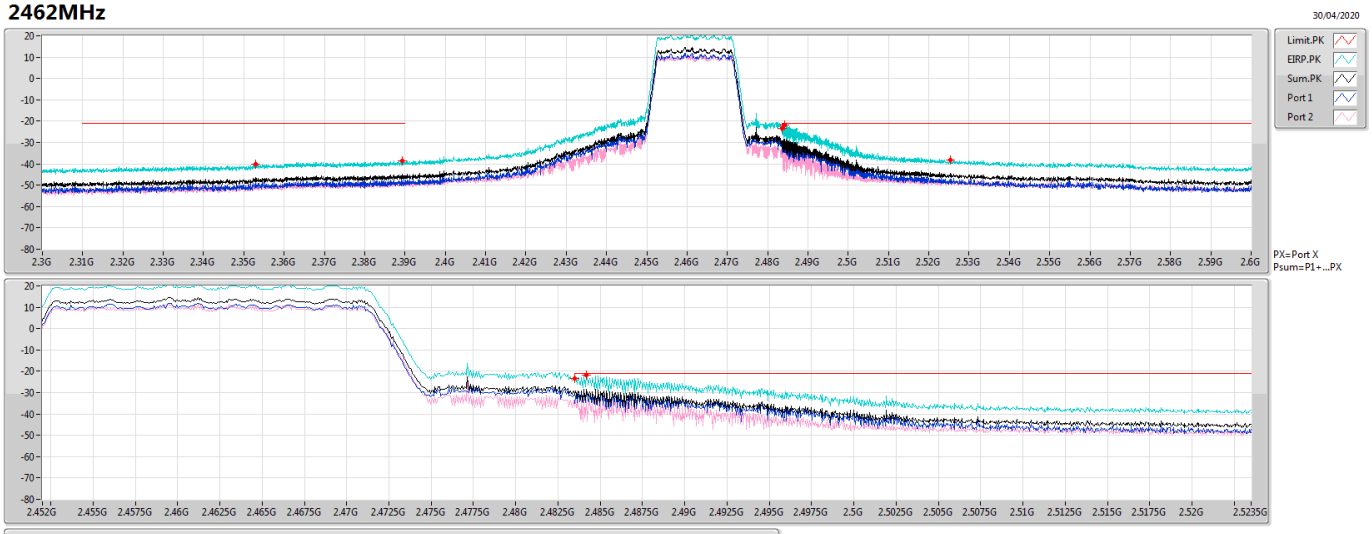
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35916G	-49.92	-41.20	-8.72	6.43	0.00	-56.35	-58.87	-59.91
2.36G	2.4G	1M	AV	2.38992G	-45.34	-41.20	-4.14	6.43	0.00	-51.77	-54.40	-55.19
2.4G	2.4835G	1M	AV	2.4835G	-45.97	-41.20	-4.77	6.43	0.00	-52.40	-55.07	-55.77
2.4835G	2.5235G	1M	AV	2.48438G	-45.75	-41.20	-4.55	6.43	0.00	-52.18	-54.70	-55.75
2.5235G	2.6G	1M	AV	2.52396G	-50.48	-41.20	-9.28	6.43	0.00	-56.91	-59.76	-60.08

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-PK**

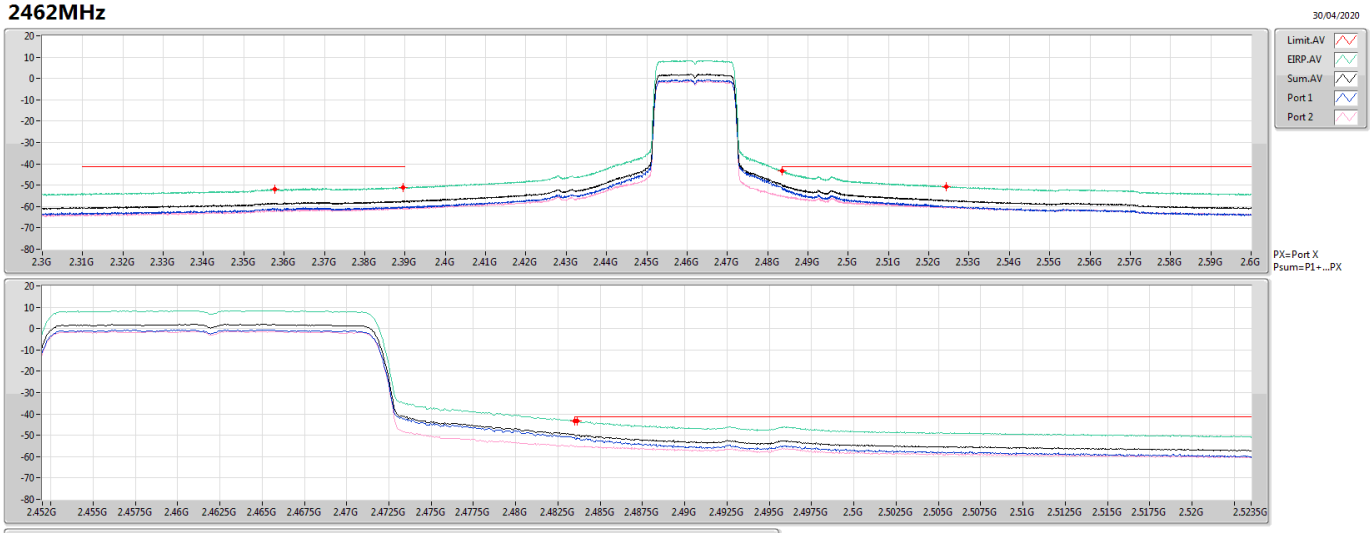
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35286G	-40.01	-21.20	-18.81	6.43	0.00	-46.44	-48.48	-50.70
2.36G	2.4G	1M	PK	2.38924G	-38.55	-21.20	-17.35	6.43	0.00	-44.98	-47.84	-48.14
2.4G	2.4835G	1M	PK	2.4835G	-23.49	-21.20	-2.29	6.43	0.00	-29.92	-30.94	-36.71
2.4835G	2.5235G	1M	PK	2.48418G	-21.83	-21.20	-0.63	6.43	0.00	-28.26	-29.82	-33.45
2.5235G	2.6G	1M	PK	2.52526G	-38.01	-21.20	-16.81	6.43	0.00	-44.44	-47.07	-47.87

802.11ax HEW20_Nss1,(MCS0)_2TX **CSE-AV**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35778G	-51.98	-41.20	-10.78	6.43	0.00	-58.41	-60.98	-61.90
2.36G	2.4G	1M	AV	2.38948G	-50.98	-41.20	-9.78	6.43	0.00	-57.41	-60.17	-60.68
2.4G	2.4835G	1M	AV	2.4835G	-43.38	-41.20	-2.18	6.43	0.00	-49.81	-51.21	-55.39
2.4835G	2.5235G	1M	AV	2.48362G	-43.34	-41.20	-2.14	6.43	0.00	-49.77	-51.20	-55.30
2.5235G	2.6G	1M	AV	2.52434G	-50.67	-41.20	-9.47	6.43	0.00	-57.10	-59.98	-60.25

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For Conducted Bandedge:

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	2.48498G	3.42	-29.75	-27.60	-25.53	-22.11	-21.20	-0.91

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

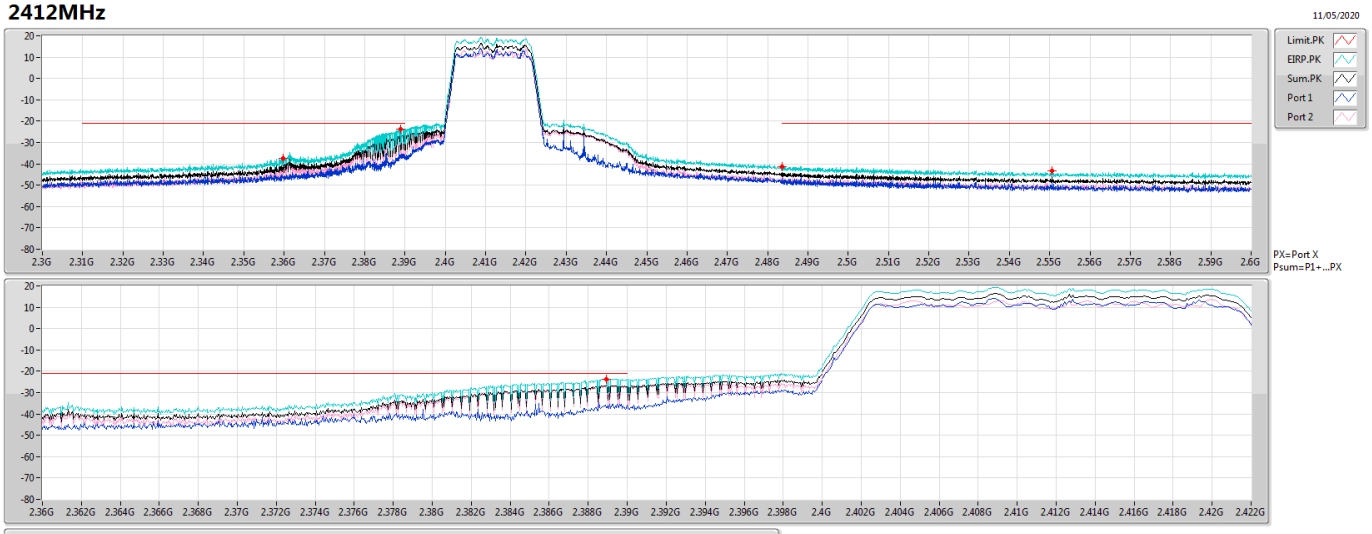
Result

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	2.3G	2.36G	AV	2.36G	2.98	-57.91	-57.72	-54.80	-51.82	-41.20	-10.62
2412MHz	Pass	2.36G	2.4G	AV	2.39G	2.98	-51.73	-49.56	-47.50	-44.52	-41.20	-3.32
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	2.98	-60.01	-59.09	-56.52	-53.54	-41.20	-12.34
2412MHz	Pass	2.4835G	2.5235G	AV	2.4835G	2.98	-59.70	-59.20	-56.43	-53.45	-41.20	-12.25
2412MHz	Pass	2.5235G	2.6G	AV	2.52381G	2.98	-61.83	-61.63	-58.72	-55.74	-41.20	-14.54
2412MHz	Pass	2.3G	2.36G	PK	2.3597G	2.98	-46.51	-41.60	-40.38	-37.40	-21.20	-16.20
2412MHz	Pass	2.36G	2.4G	PK	2.38892G	2.98	-36.93	-27.04	-26.62	-23.64	-21.20	-2.44
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	2.98	-46.82	-47.54	-44.15	-41.17	-21.20	-19.97
2412MHz	Pass	2.4835G	2.5235G	PK	2.4835G	2.98	-48.38	-46.39	-44.26	-41.28	-21.20	-20.08
2412MHz	Pass	2.5235G	2.6G	PK	2.5505G	2.98	-48.72	-49.53	-46.10	-43.12	-21.20	-21.92
2462MHz	Pass	2.3G	2.36G	AV	2.35898G	3.42	-59.91	-60.49	-57.18	-53.76	-41.20	-12.56
2462MHz	Pass	2.36G	2.4G	AV	2.3882G	3.42	-59.11	-59.42	-56.25	-52.83	-41.20	-11.63
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	3.42	-52.11	-50.41	-48.17	-44.75	-41.20	-3.55
2462MHz	Pass	2.4835G	2.5235G	AV	2.48354G	3.42	-52.10	-50.14	-48.00	-44.58	-41.20	-3.38
2462MHz	Pass	2.5235G	2.6G	AV	2.52465G	3.42	-58.48	-58.65	-55.55	-52.13	-41.20	-10.93
2462MHz	Pass	2.3G	2.36G	PK	2.35928G	3.42	-47.25	-49.16	-45.09	-41.67	-21.20	-20.47
2462MHz	Pass	2.36G	2.4G	PK	2.38576G	3.42	-44.27	-47.41	-42.55	-39.13	-21.20	-17.93
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	3.42	-33.90	-26.87	-26.08	-22.66	-21.20	-1.46
2462MHz	Pass	2.4835G	2.5235G	PK	2.48498G	3.42	-29.75	-27.60	-25.53	-22.11	-21.20	-0.91
2462MHz	Pass	2.5235G	2.6G	PK	2.53031G	3.42	-47.55	-44.69	-42.88	-39.46	-21.20	-18.26

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

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-PK**

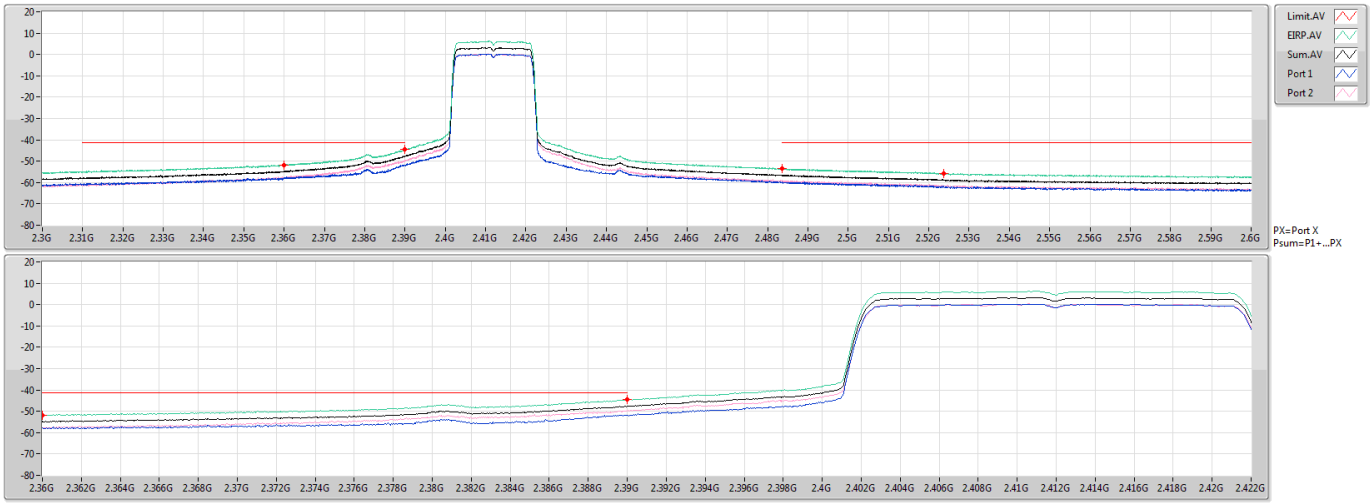
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.3597G	-37.40	-21.20	-16.20	2.98	0.00	-40.38	-46.51	-41.60
2.36G	2.4G	1M	PK	2.38892G	-23.64	-21.20	-2.44	2.98	0.00	-26.62	-36.93	-27.04
2.4G	2.4835G	1M	PK	2.4835G	-41.17	-21.20	-19.97	2.98	0.00	-44.15	-46.82	-47.54
2.4835G	2.5235G	1M	PK	2.4835G	-41.28	-21.20	-20.08	2.98	0.00	-44.26	-48.38	-46.39
2.5235G	2.6G	1M	PK	2.5505G	-43.12	-21.20	-21.92	2.98	0.00	-46.10	-48.72	-49.53

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-AV**

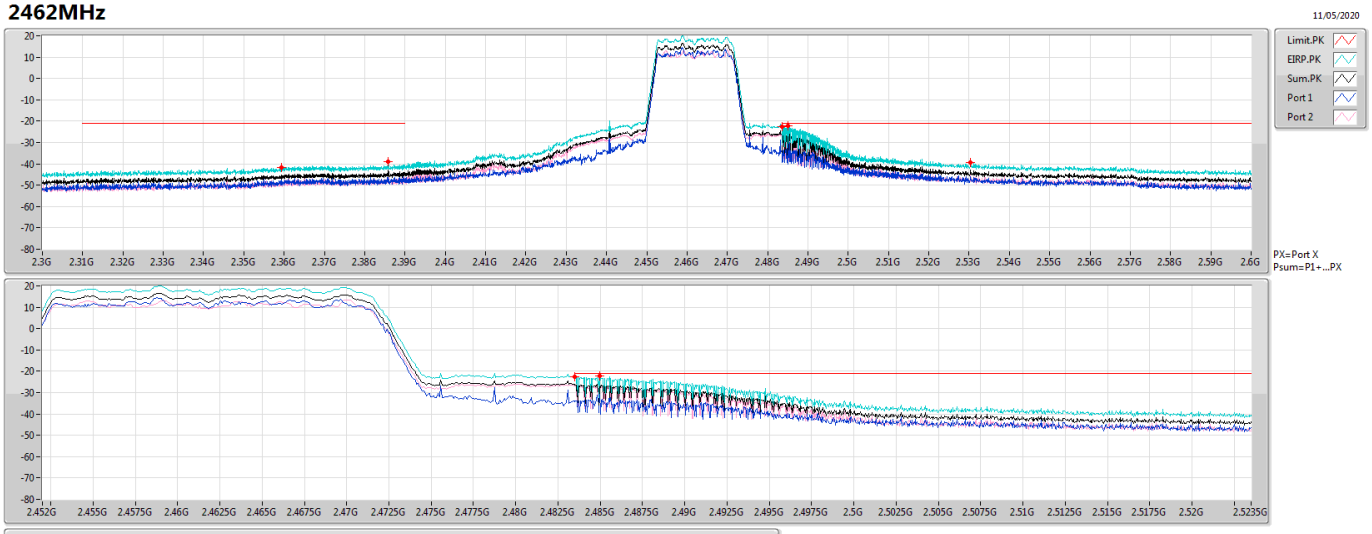
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.36G	-51.82	-41.20	-10.62	2.98	0.00	-54.80	-57.91	-57.72
2.36G	2.4G	1M	AV	2.39G	-44.52	-41.20	-3.32	2.98	0.00	-47.50	-51.73	-49.56
2.4G	2.4835G	1M	AV	2.4835G	-53.54	-41.20	-12.34	2.98	0.00	-56.52	-60.01	-59.09
2.4835G	2.5235G	1M	AV	2.4835G	-53.45	-41.20	-12.25	2.98	0.00	-56.43	-59.70	-59.20
2.5235G	2.6G	1M	AV	2.52381G	-55.74	-41.20	-14.54	2.98	0.00	-58.72	-61.83	-61.63

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-PK**

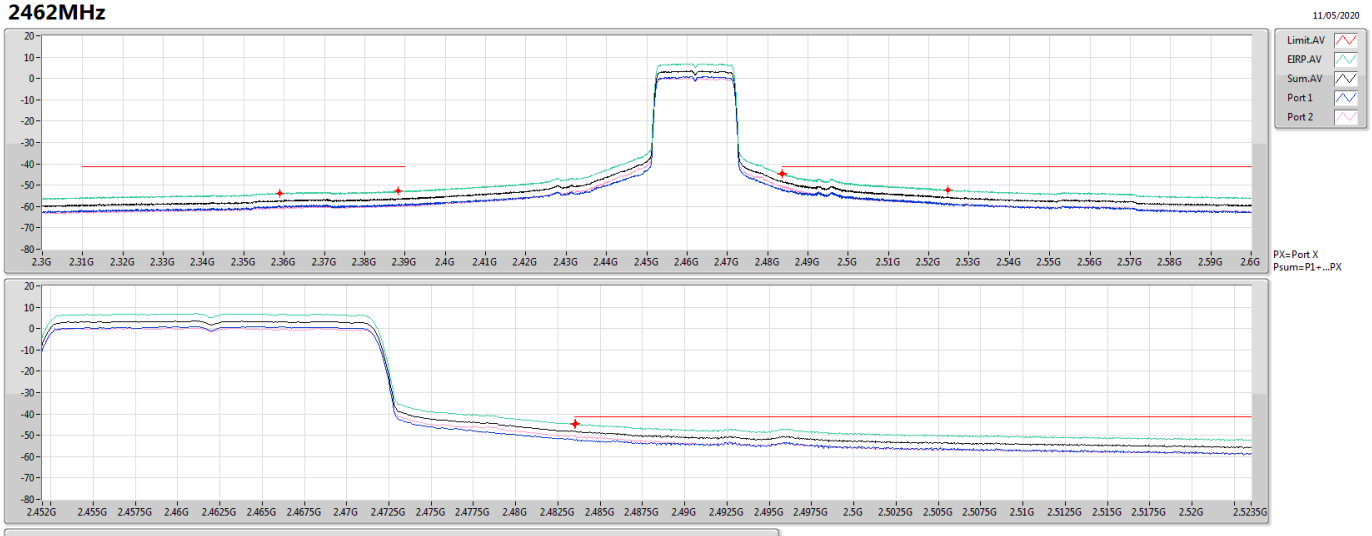
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	PK	2.35928G	-41.67	-21.20	-20.47	3.42	0.00	-45.09	-47.25	-49.16
2.36G	2.4G	1M	PK	2.38576G	-39.13	-21.20	-17.93	3.42	0.00	-42.55	-44.27	-47.41
2.4G	2.4835G	1M	PK	2.4835G	-22.66	-21.20	-1.46	3.42	0.00	-26.08	-33.90	-26.87
2.4835G	2.5235G	1M	PK	2.48498G	-22.11	-21.20	-0.91	3.42	0.00	-25.53	-29.75	-27.60
2.5235G	2.6G	1M	PK	2.53031G	-39.46	-21.20	-18.26	3.42	0.00	-42.88	-47.55	-44.69

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE-AV**

2462MHz



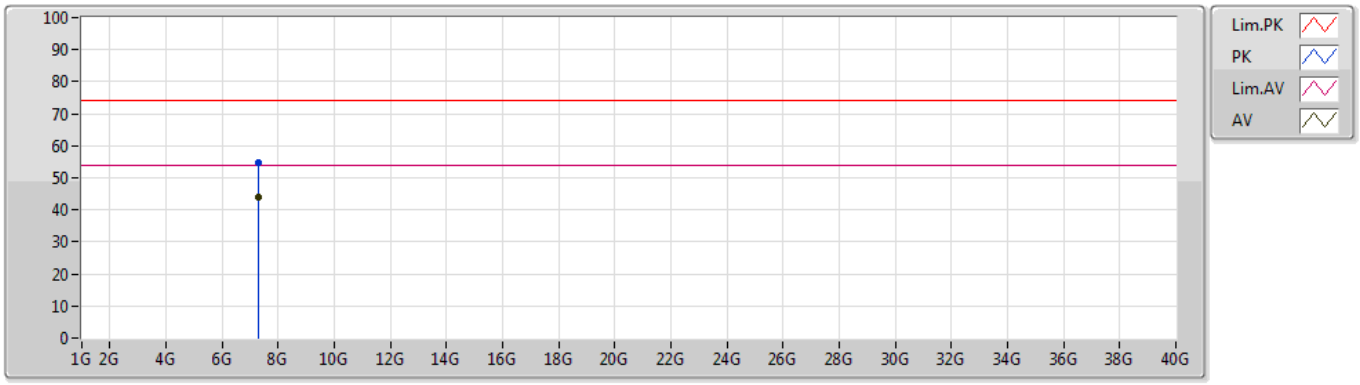
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
2.3G	2.36G	1M	AV	2.35898G	-53.76	-41.20	-12.56	3.42	0.00	-57.18	-59.91	-60.49
2.36G	2.4G	1M	AV	2.3882G	-52.83	-41.20	-11.63	3.42	0.00	-56.25	-59.11	-59.42
2.4G	2.4835G	1M	AV	2.4835G	-44.75	-41.20	-3.55	3.42	0.00	-48.17	-52.11	-50.41
2.4835G	2.5235G	1M	AV	2.48354G	-44.58	-41.20	-3.38	3.42	0.00	-48.00	-52.10	-50.14
2.5235G	2.6G	1M	AV	2.52465G	-52.13	-41.20	-10.93	3.42	0.00	-55.55	-58.48	-58.65

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	7.31153G	43.99	54.00	-10.01	Vertical

Mode 1

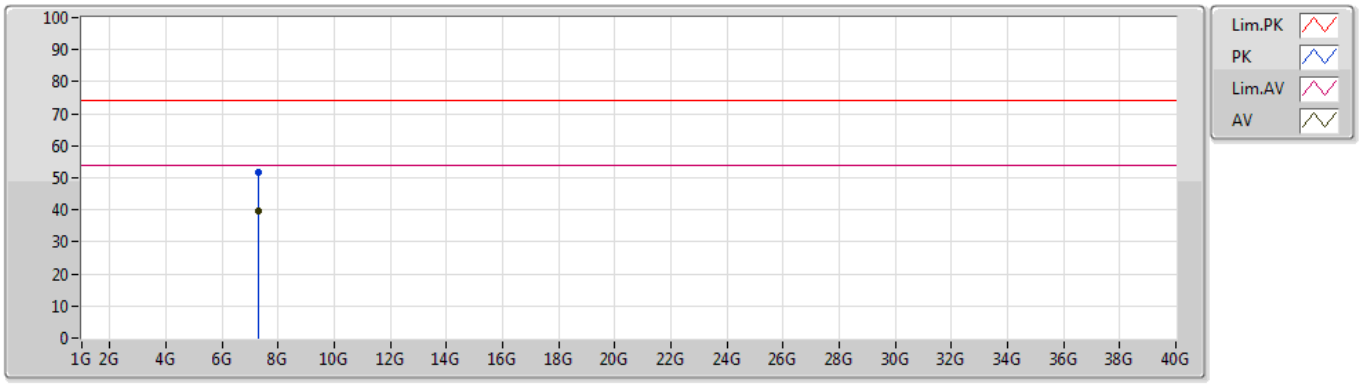
25/05/2020



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	7.3115G	54.53	74.00	-19.47	8.68	3	Vertical	32	1.06	-	45.85	36.58	7.34	35.24
AV	7.31153G	43.99	54.00	-10.01	8.68	3	Vertical	32	1.06	"Worst"	35.31	36.58	7.34	35.24

Mode 1

27/05/2020



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	7.3102G	51.71	74.00	-22.29	8.68	3	Horizontal	40	2.31	-	43.03	36.58	7.34	35.24
AV	7.31016G	39.65	54.00	-14.35	8.68	3	Horizontal	40	2.31	"Worst"	30.97	36.58	7.34	35.24