FCC Test Report

FCC ID	:	**SQG-MT3202230**
Equipment	:	**WiFi 6 + Bluetooth 5.4 Module**
Model No.	:	**Sona MT320 2230**
Brand Name	:	**Ezurio**
Applicant	:	**Ezurio LLC**
Address	:	**W66N220 Commerce Court, Cedarburg, WI 53012 United States Of America**
Standard	:	**47 CFR FCC Part 15.247**
Received Date	:	**Feb. 08, 2024**
Tested Date	:	**Feb. 07 ~ Feb. 29, 2024**

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR420801AC	Rev. 01	Initial issue	Apr. 12, 2024

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.400MHz 28.61 (Margin -19.25dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 14472.00MHz 45.20 (Margin -8.80dB) - AV	Pass
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: ***Non-beamforming mode*** 26.28 ***Beamforming mode*** 23.27	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The 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.

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
2400-2483.5	b	2412-2462	1-11 [11]	2	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	2	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15
2400-2483.5	ax (HE20)	2412-2462	1-11 [11]	2	MCS 0-11
2400-2483.5	ax (HE40)	2422-2452	3-9 [7]	2	MCS 0-11
Note 1: RF output power specifies that Maximum Conducted (Average) Output Power. Note 2: DSSS-DBPSK, DQPSK, CCK modulation OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, and 1024QAM modulation. Note 3: 802.11ax supports beamforming function. Note 4: 802.11ax supports full RU and partial RU configuration. Test results of full RU configuration are recorded in this report. Refers to report no.: FR420801-1AC for test results of partial RU configuration.					

1.1.2 Antenna Details

Ant. No.	Brand	Model	Part Number	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)	
						2.4GHz	5GHz
1	Laird Connectivity	FlexMIMO 6E	EFD2471A3S-10MH4L	PIFA	MHF4L	2.2	3.8
2	Laird Connectivity	FlexPIFA 6E	EFB2471A3S-10MH4L	PIFA	MHF4L	2.2	3.9
3	Laird Connectivity	Mini NanoBlade Flex 6 GHz	EMF2471A3S-10MH4L	PCB Dipole	MHF4L	2.4	4.4
4	Joymax Electronics	Dipole 6E	TWX-100BRS3B	Dipole	RS-SMA	2.6	4.3

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host

1.1.4 Accessories

N/A

1.1.5 Channel List

Frequency band (MHz)		2400~2483.5	
802.11b / g / n HT20 / ax HE20		802.11n HT40 / ax HE40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	---	---
9	2452	---	---
10	2457	---	---
11	2462	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	QATool, Version: 0.0.2.85		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	96.70%	0.15
	11g	87.75%	0.57
	ax HE20-OFDMA	83.23%	0.80
	ax HE40-OFDMA	71.86%	1.44

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	12.5
11b	2437	14.5
11b	2462	14
11g	2412	11.5
11g	2437	12
11g	2462	11
ax HE20-OFDMA	2412	12
ax HE20-OFDMA	2437	12.5
ax HE20-OFDMA	2462	11
ax HE40-OFDMA	2422	18.5
ax HE40-OFDMA	2437	20.5
ax HE40-OFDMA	2452	17.5

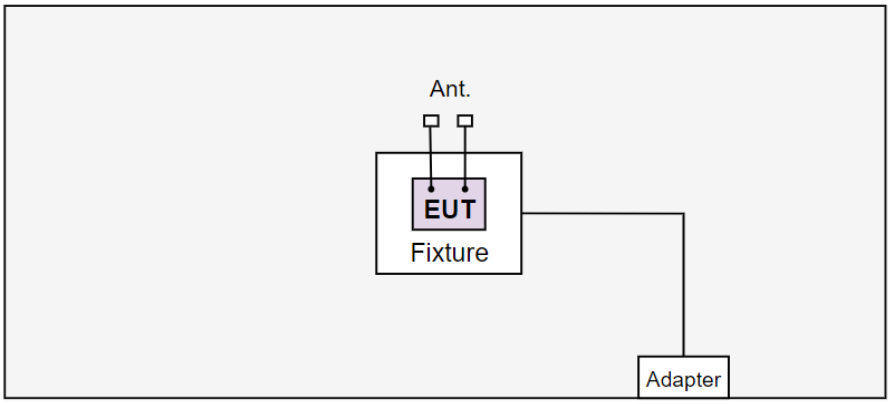
1.2 Local Support Equipment List

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Laptop	DELL	Latitude 5400	DoC	---
2	Fixture	---	---	---	Provided by applicant.
3	adapter	---	---	---	Provided by applicant.
4	50 ohm load	Woken	WTER-18S2	---	---

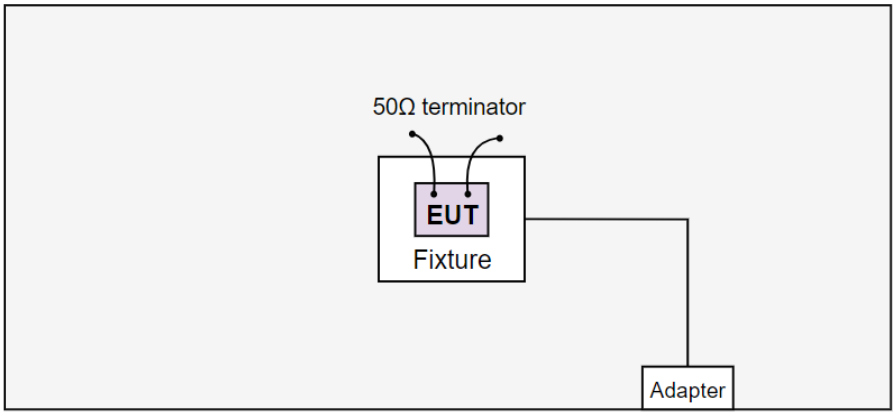
Note: The support Laptop was disconnected from EUT and was removed from test table after sending command from Laptop to control EUT to transmit continuously.

1.3 Test Setup Chart

Test Setup Diagram (Conducted Emission)



Test Setup Diagram (Radiated Emission)



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Feb. 29, 2024				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 23, 2024	Feb. 22, 2025
LISN	R&S	ENV216	101579	May 09, 2023	May 08, 2024
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 10, 2024	Jan. 09, 2025
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 11, 2023	Oct. 10, 2024
50 ohm terminal (Support Unit)	NA	50	01	Jun. 14, 2023	Jun. 13, 2024
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Feb. 19 ~ Feb. 23, 2024				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
Spectrum Analyzer	R&S	FSV40	101498	Nov. 23, 2023	Nov. 22, 2024
Loop Antenna	R&S	HFH2-Z2	100330	Oct. 31, 2023	Oct. 30, 2024
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 31, 2023	Jul. 30, 2024
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 27, 2023	Nov. 26, 2024
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 30, 2023	Oct. 29, 2024
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2023	Jun. 27, 2024
Preamplifier	EMC	EMC118A45SE	980898	Jul. 14, 2023	Jul. 13, 2024
Preamplifier	EMC	EMC184045SE	980903	Jul. 17, 2023	Jul. 16, 2024
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 03, 2023	Oct. 02, 2024
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 03, 2023	Oct. 02, 2024
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 03, 2023	Oct. 02, 2024
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 03, 2023	Oct. 02, 2024
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 03, 2023	Oct. 02, 2024
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Feb. 07 ~ Feb. 26, 2024				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101910	Apr. 14, 2023	Apr. 13, 2024
Power Meter	Anritsu	ML2495A	1241002	Nov. 21, 2023	Nov. 20, 2024
Power Sensor	Anritsu	MA2411B	1207366	Nov. 21, 2023	Nov. 20, 2024
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 05, 2023	Oct. 04, 2024
LOWPASS FILTER	WI	WLKS1100-12SS	2	Oct. 05, 2023	Oct. 04, 2024
Attenuator	Pasternack	PE7005-10	10-2	Oct. 05, 2023	Oct. 04, 2024
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.247
ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Unwanted Emission ≤ 1GHz	±3.41 dB
Unwanted Emission > 1GHz	±4.59 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test method	Mode	Test Configuration	Note
Non-beamforming mode							
AC Power Line Conducted Emission	ax HE20-OFDMA	2437	MCS 0	Conducted	TX	---	-
Unwanted Emissions ≤ 1GHz	ax HE20-OFDMA	2437	MCS 0	Radiated	TX	---	Note 2
Unwanted Emissions >1GHz	11b 11g ax HE20-OFDMA ax HE40-OFDMA	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462 2422 / 2437 / 2452	1 Mbps 6 Mbps MCS 0 MCS 0	Radiated	TX	---	Note 2
Unwanted Emissions ≤ 1GHz	ax HE20-OFDMA	2437	MCS 0	Conducted	TX	---	-
Unwanted Emissions >1GHz	11b 11g ax HE20-OFDMA ax HE40-OFDMA	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462 2422 / 2437 / 2452	1 Mbps 6 Mbps MCS 0 MCS 0	Conducted	TX	---	-
Conducted Output Power 6dB bandwidth Power spectral density	11b 11g ax HE20-OFDMA ax HE40-OFDMA	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462 2422 / 2437 / 2452	1 Mbps 6 Mbps MCS 0 MCS 0	Conducted	TX	---	-
Beamforming mode							
Conducted Output Power	ax HE20-OFDMA ax HE40-OFDMA	2412 / 2437 / 2462 2422 / 2437 / 2452	MCS 0 MCS 0	Conducted	TX	---	-

NOTE:
1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** result was found as the worst case and was shown in this report.
2. The 50Ω terminator is connected to antenna port of EUT for radiated emission measurement.
3. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 3.01 dB.

2.3 Directional gain

Directional gain is calculated by following formula from FCC KDB 662911 D01 section F)2)f)(i)

Directional gain = G_{ANT} + Array Gain;
For Power measurement (Non-Beamforming)

Array gain = 0 dB for N_{ANT} <= 4;
For Power spectral density / out of band emission (conducted measurement) / Power measurement (Beamforming)

Array gain = 10*log(N_{ANT}/N_{SS}) dB;

Directional gain is calculated as below

Test item	G_{ANT} (dBi)	Array gain (dB)	Directional gain (dBi)
Output power (Non-Beamforming)	2.6	0	2.6
Output power (Beamforming)	2.6	3.01	5.61
Power spectral density	2.6	3.01	5.61
Out of band emission(conducted measurement)	2.6	3.01	5.61

3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

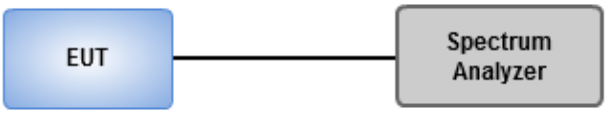
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Sample, Trace mode = max hold.
3 Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	23°C / 65~66%	**Tested By**	Akun Chung

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

Antenna gain > 6dBi

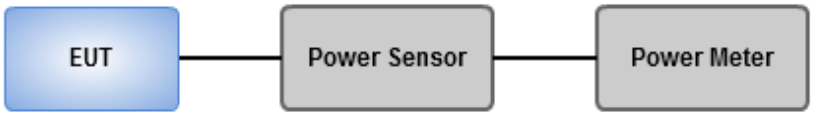
Non Fixed, point to point operations.
The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB

Fixed, point to point operations
Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	23°C / 65~66%	**Tested By**	Akun Chung

Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

Peak PSD

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = Peak, Sweep time = auto couple.
3. Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle ≥ 98%

1. Set the RBW = 3 kHz, VBW = 10 kHz.
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle < 98%

1 Set the RBW = 3 kHz, VBW = 10 kHz

2 Detector = RMS, Sweep time = auto couple.

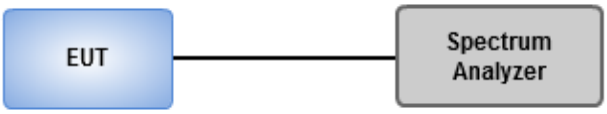
3 Sweep time = auto couple.

4 Employ trace averaging (RMS) mode over a minimum of 100 traces.

5 Use the peak marker function to determine the maximum amplitude level.

6 Add 10 log (1/x), where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	23°C / 65~66%	**Tested By**	Akun Chung

Refer to Appendix C.

3.4 Unwanted Emissions into Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

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:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

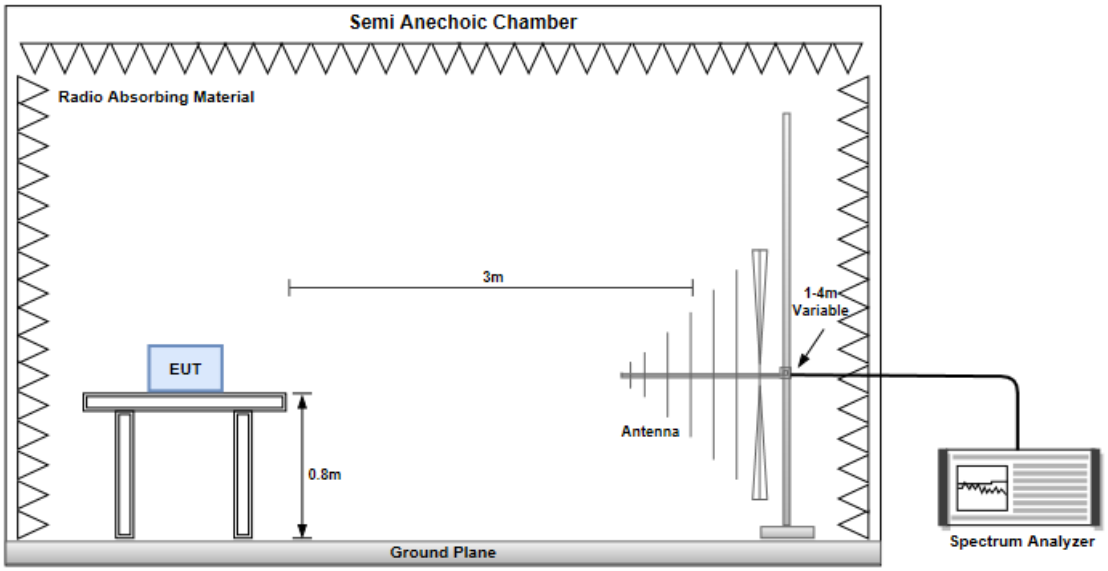
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

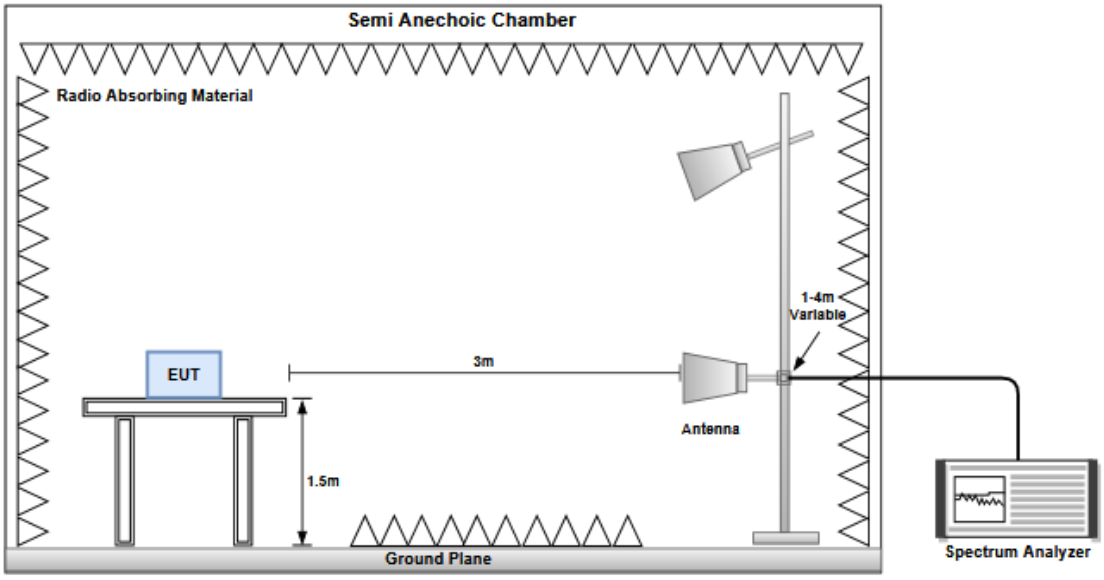
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.4.4 Test Results

Refer to Appendix D.

3.5 Emissions in Non-Restricted Frequency Bands

3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

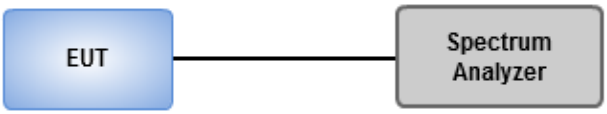
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	23°C / 65~66%	Tested By	Akun Chung

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

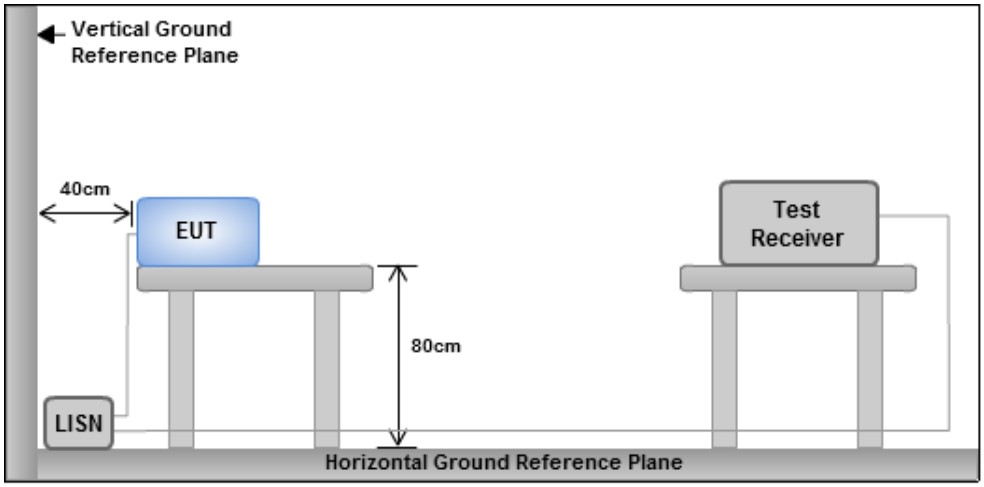
3.6.1 Limit of AC Power Line Conducted Emissions

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.		

3.6.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

==END==

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	8.05M	12.782M	12M8G1D	7.55M	12.342M
802.11g_Nss1,(6Mbps)_2TX	16.275M	16.893M	16M9D1D	14.15M	16.367M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.8M	18.98M	19M0D1D	17.25M	18.774M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	37.2M	37.645M	37M6D1D	35.15M	37.542M

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

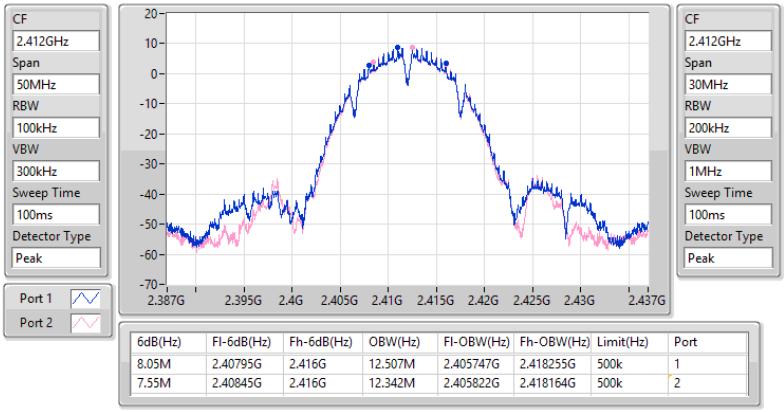
Result

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	8.05M	12.507M	7.55M	12.342M
2437MHz	Pass	500k	8M	12.762M	8.025M	12.443M
2462MHz	Pass	500k	8.05M	12.591M	8.025M	12.782M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.15M	16.407M	15.05M	16.367M
2437MHz	Pass	500k	15.9M	16.893M	15.9M	16.711M
2462MHz	Pass	500k	15.775M	16.885M	16.275M	16.734M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2412MHz	Pass	500k	17.65M	18.774M	18.425M	18.775M
2437MHz	Pass	500k	17.25M	18.967M	18.8M	18.98M
2462MHz	Pass	500k	18.675M	18.944M	17.925M	18.942M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2422MHz	Pass	500k	36.25M	37.599M	35.95M	37.542M
2437MHz	Pass	500k	36.15M	37.614M	35.75M	37.624M
2452MHz	Pass	500k	37.2M	37.645M	35.15M	37.6M

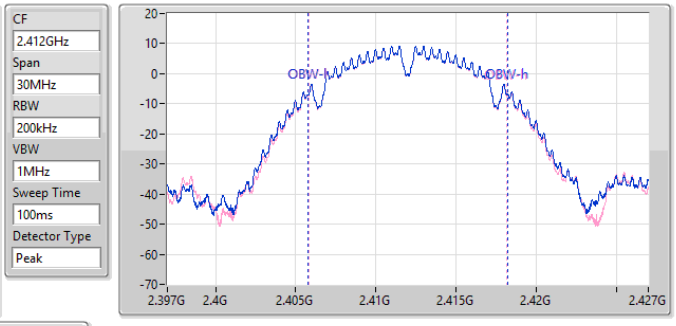
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

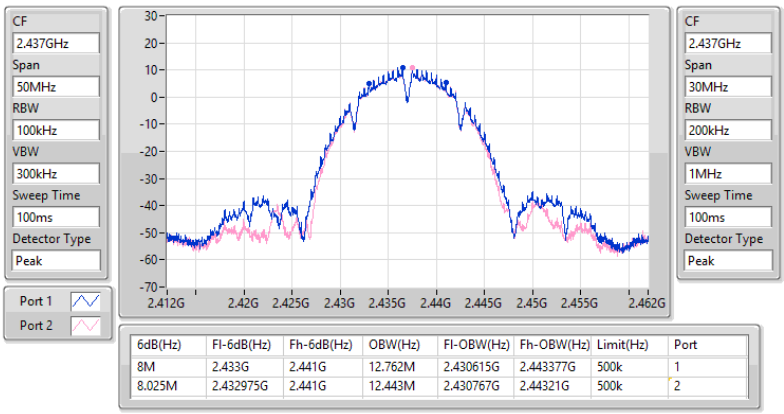


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.40795G	2.416G	12.507M	2.405747G	2.418255G	500k	1
7.55M	2.40845G	2.416G	12.342M	2.405822G	2.418164G	500k	2

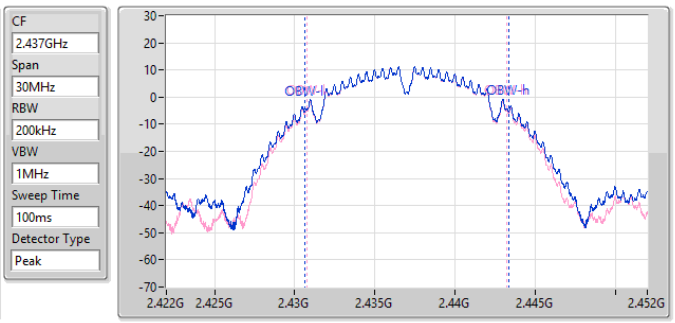


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

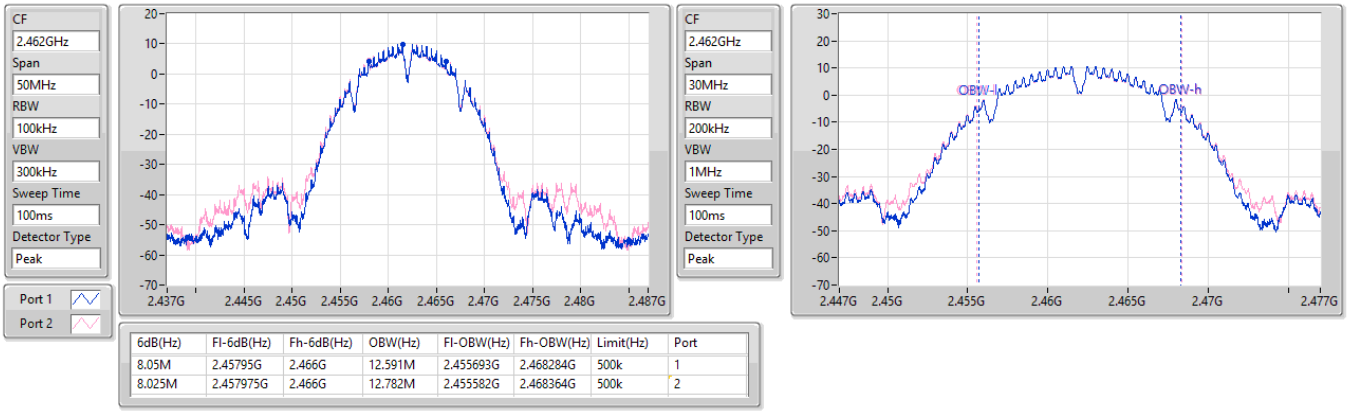


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.433G	2.441G	12.762M	2.430615G	2.443377G	500k	1
8.025M	2.432975G	2.441G	12.443M	2.430767G	2.44321G	500k	2



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

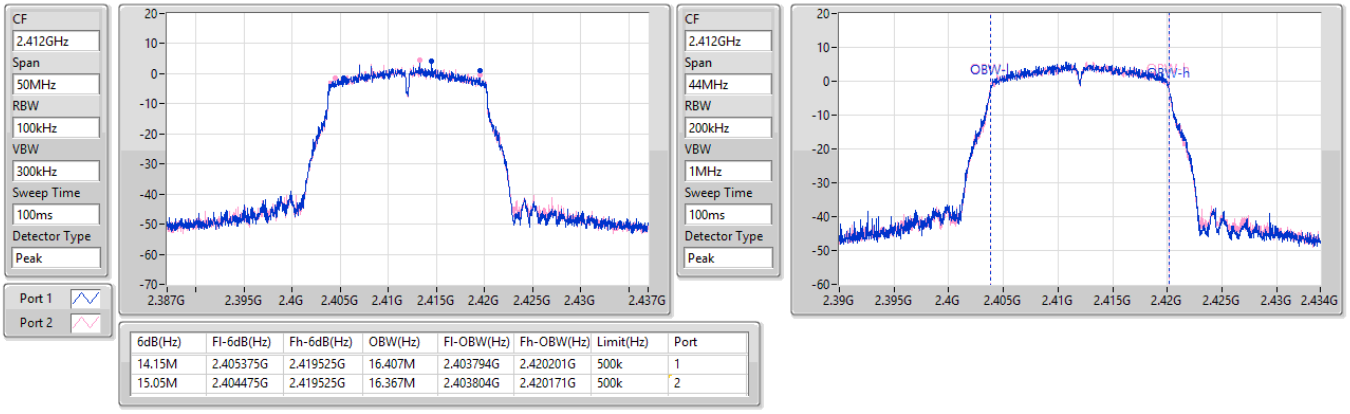
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.45795G	2.466G	12.591M	2.455693G	2.468284G	500k	1
8.025M	2.457975G	2.466G	12.782M	2.455582G	2.468364G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

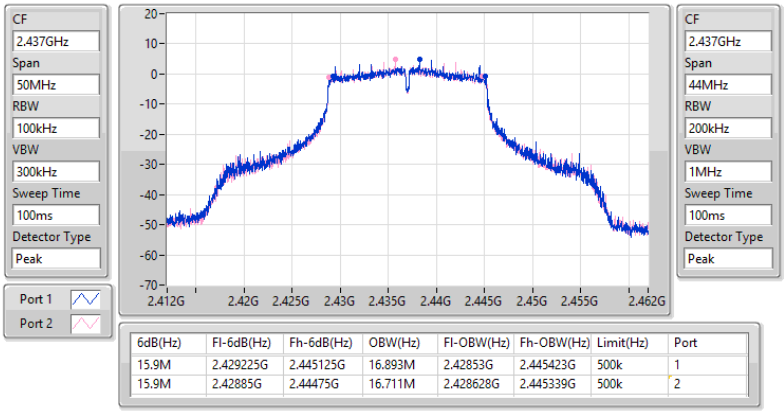
2412MHz

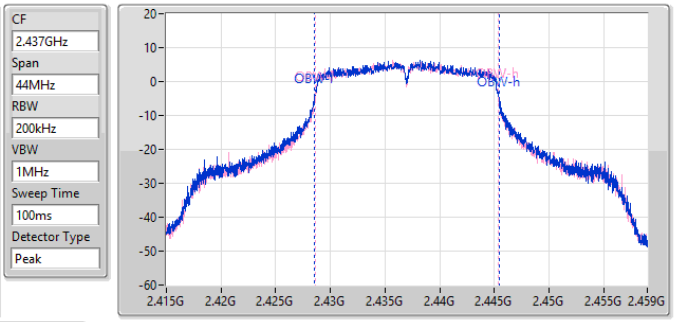


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.15M	2.405375G	2.419525G	16.407M	2.403794G	2.420201G	500k	1
15.05M	2.404475G	2.419525G	16.367M	2.403804G	2.420171G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

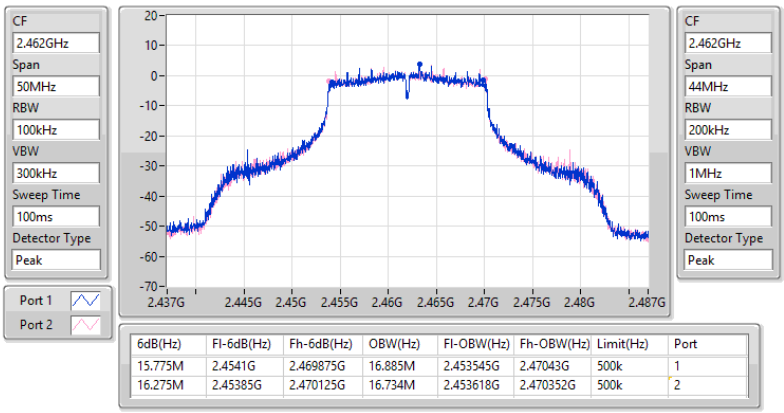


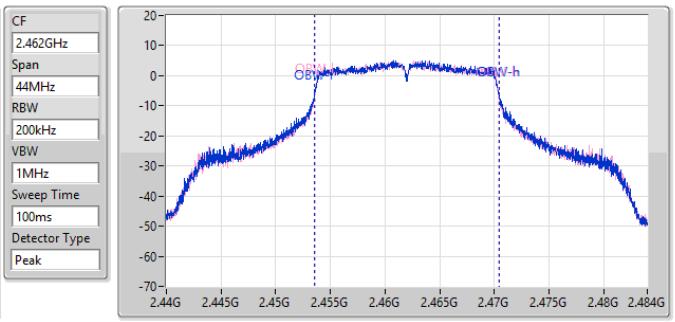


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	2.429225G	2.445125G	16.893M	2.42853G	2.445423G	500k	1
15.9M	2.42885G	2.44475G	16.711M	2.428628G	2.445339G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

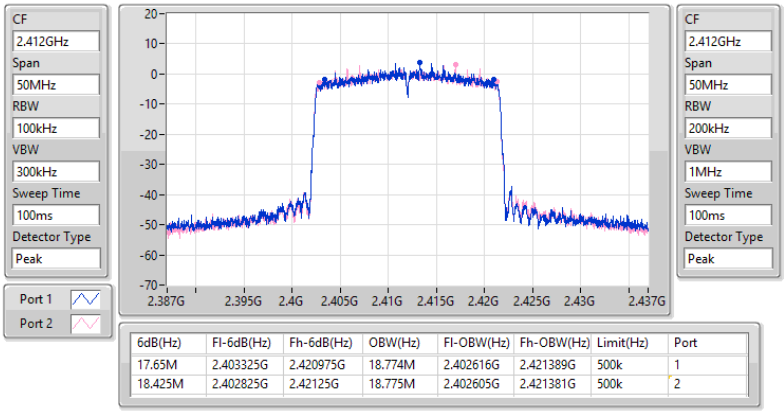




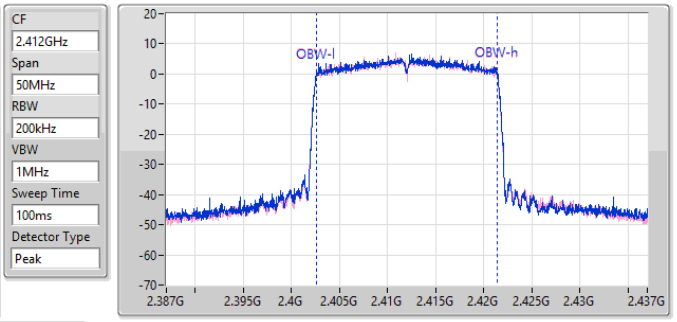
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.775M	2.4541G	2.469875G	16.885M	2.453545G	2.47043G	500k	1
16.275M	2.45385G	2.470125G	16.734M	2.453618G	2.470352G	500k	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

2412MHz

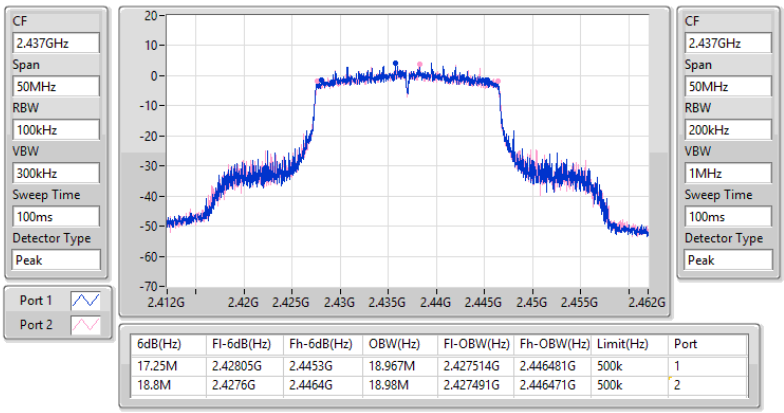


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.65M	2.403325G	2.420975G	18.774M	2.402616G	2.421389G	500k	1
18.425M	2.402825G	2.42125G	18.775M	2.402605G	2.421381G	500k	2

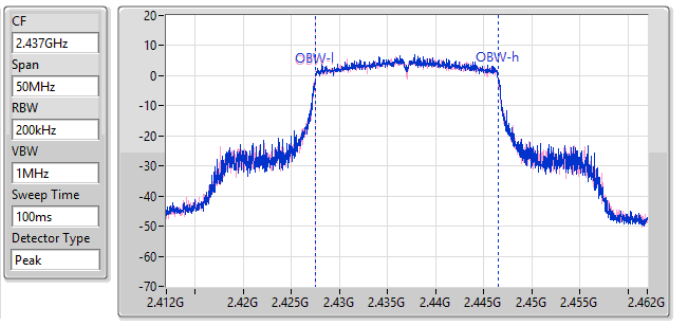


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

2437MHz

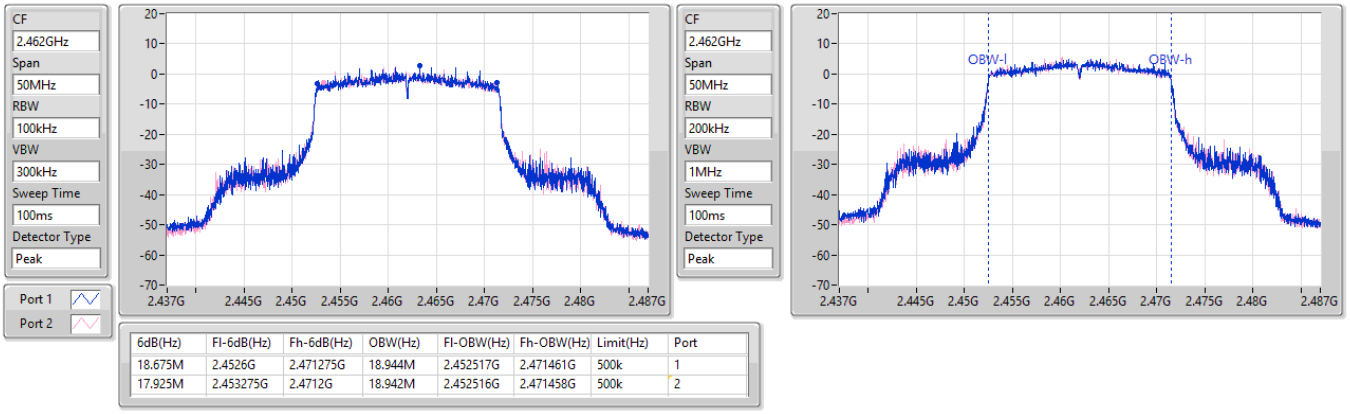


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	2.42805G	2.4453G	18.967M	2.427514G	2.446481G	500k	1
18.8M	2.4276G	2.4464G	18.98M	2.427491G	2.446471G	500k	2



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

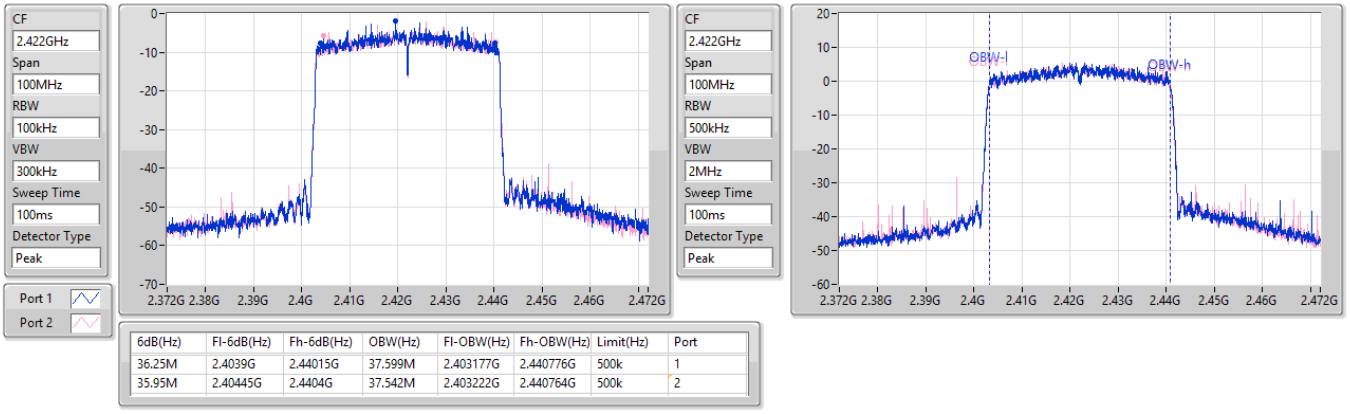
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.675M	2.4526G	2.471275G	18.944M	2.452517G	2.471461G	500k	1
17.925M	2.453275G	2.4712G	18.942M	2.452516G	2.471458G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

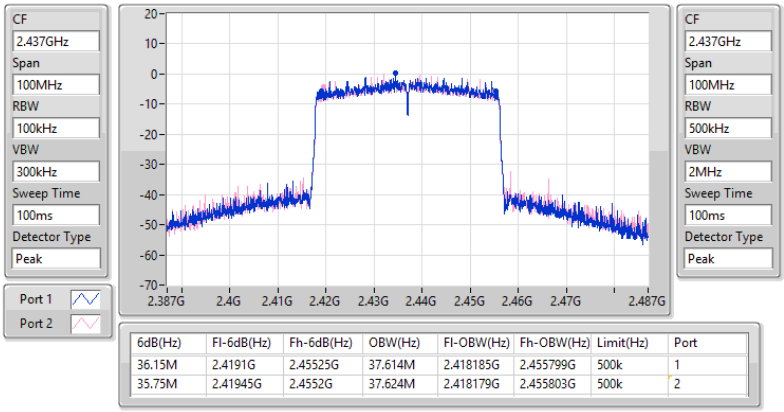
2422MHz

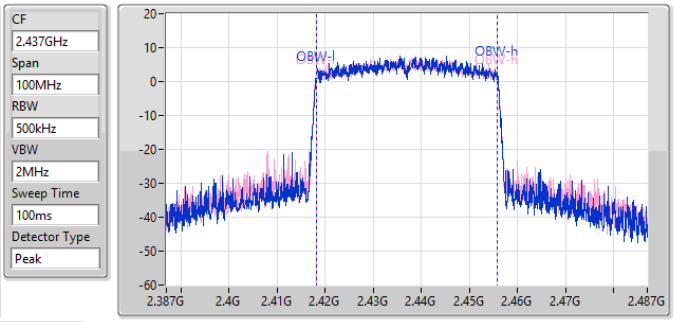


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	2.4039G	2.44015G	37.599M	2.403177G	2.440776G	500k	1
35.95M	2.40445G	2.4404G	37.542M	2.403222G	2.440764G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

2437MHz

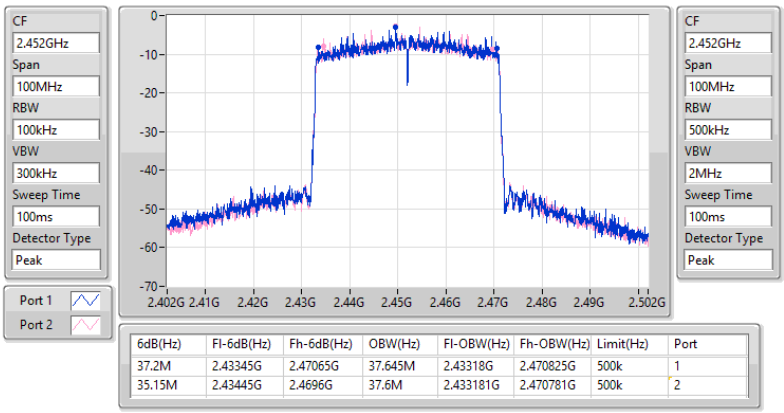


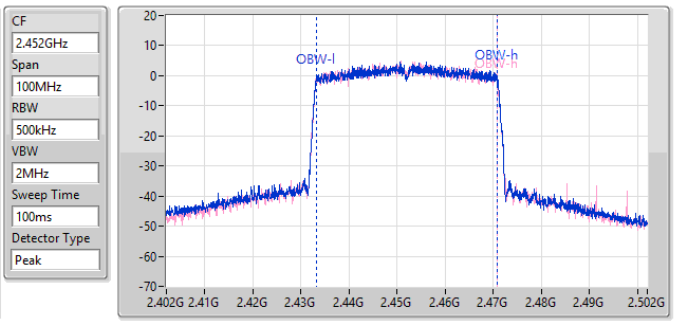


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.15M	2.4191G	2.45525G	37.614M	2.418185G	2.455799G	500k	1
35.75M	2.41945G	2.4552G	37.624M	2.418179G	2.455803G	500k	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

2452MHz





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.2M	2.43345G	2.47065G	37.645M	2.43318G	2.470825G	500k	1
35.15M	2.43445G	2.4696G	37.6M	2.433181G	2.470781G	500k	2

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.20	0.26303
802.11g_Nss1,(6Mbps)_2TX	25.91	0.38994
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	26.28	0.42462
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	25.55	0.35892

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.60	19.12	18.97	22.06	30.00	24.66	36.00
2437MHz	Pass	2.60	21.19	21.18	24.20	30.00	26.80	36.00
2462MHz	Pass	2.60	20.59	20.41	23.51	30.00	26.11	36.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.60	22.91	22.85	25.89	30.00	28.49	36.00
2437MHz	Pass	2.60	23.02	22.78	25.91	30.00	28.51	36.00
2462MHz	Pass	2.60	21.82	22.05	24.95	30.00	27.55	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	2.60	22.72	22.78	25.76	30.00	28.36	36.00
2437MHz	Pass	2.60	23.43	23.11	26.28	30.00	28.88	36.00
2462MHz	Pass	2.60	21.12	21.44	24.29	30.00	26.89	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	2.60	20.74	20.62	23.69	30.00	26.29	36.00
2437MHz	Pass	2.60	22.69	22.39	25.55	30.00	28.15	36.00
2452MHz	Pass	2.60	19.86	19.91	22.90	30.00	25.50	36.00

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

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	21.65	0.14622
802.11g_Nss1,(6Mbps)_2TX	18.40	0.06918
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	17.98	0.06281
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	16.70	0.04677

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.60	16.58	16.44	19.52	-	22.12	-
2437MHz	Pass	2.60	18.67	18.61	21.65	-	24.25	-
2462MHz	Pass	2.60	18.09	17.9	21.01	-	23.61	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.60	14.52	14.41	17.48	-	20.08	-
2437MHz	Pass	2.60	15.41	15.37	18.40	-	21.00	-
2462MHz	Pass	2.60	14.28	14.75	17.53	-	20.13	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	2.60	14.02	14.05	17.05	-	19.65	-
2437MHz	Pass	2.60	15	14.93	17.98	-	20.58	-
2462MHz	Pass	2.60	13.52	13.78	16.66	-	19.26	-
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	2.60	11.72	11.62	14.68	-	17.28	-
2437MHz	Pass	2.60	13.75	13.63	16.70	-	19.30	-
2452MHz	Pass	2.60	10.73	10.71	13.73	-	16.33	-

DG = Directional Gain; Port X = Port X output power
Note : Conducted average output power is for reference

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	23.27	0.21232
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	22.54	0.17947

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	5.61	19.71	19.77	22.75	30.00	28.36	36.00
2437MHz	Pass	5.61	20.42	20.1	23.27	30.00	28.88	36.00
2462MHz	Pass	5.61	18.11	18.43	21.28	30.00	26.89	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	5.61	17.73	17.61	20.68	30.00	26.29	36.00
2437MHz	Pass	5.61	19.68	19.38	22.54	30.00	28.15	36.00
2452MHz	Pass	5.61	16.85	16.9	19.89	30.00	25.50	36.00

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

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	14.97	0.03141
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	13.69	0.02339

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	5.61	11.01	11.04	14.04	-	19.65	-
2437MHz	Pass	5.61	11.99	11.92	14.97	-	20.58	-
2462MHz	Pass	5.61	10.51	10.77	13.65	-	19.26	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	5.61	8.71	8.61	11.67	-	17.28	-
2437MHz	Pass	5.61	10.74	10.62	13.69	-	19.30	-
2452MHz	Pass	5.61	7.72	7.7	10.72	-	16.33	-

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

Note : Conducted average output power is for reference

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-1.79
802.11g_Nss1,(6Mbps)_2TX	-7.10
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-7.94
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-11.89

RBW = 3kHz;

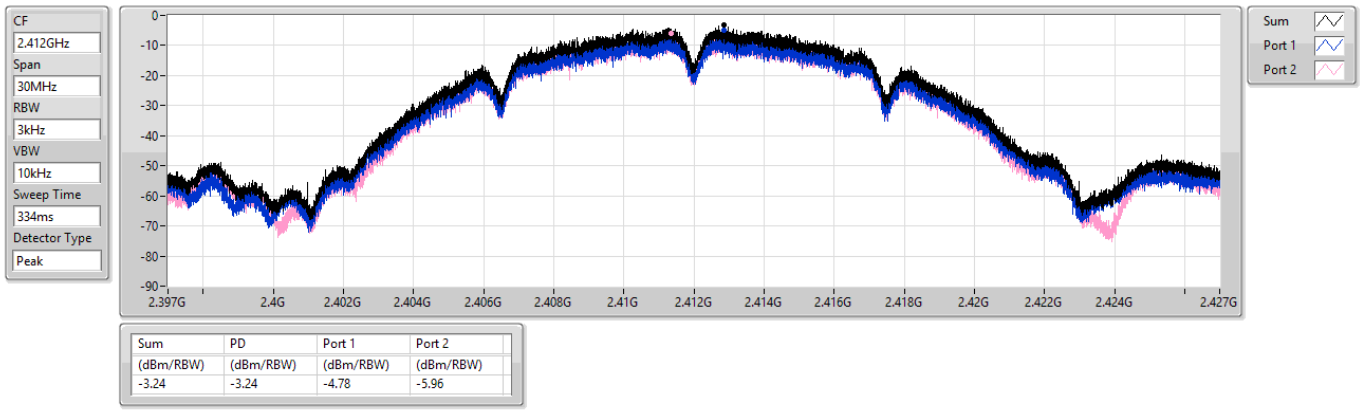
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.61	-4.78	-5.96	-3.24	8.00
2437MHz	Pass	5.61	-3.79	-3.95	-1.79	8.00
2462MHz	Pass	5.61	-3.90	-4.23	-2.68	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.61	-9.13	-9.53	-7.71	8.00
2437MHz	Pass	5.61	-9.17	-9.30	-7.10	8.00
2462MHz	Pass	5.61	-9.50	-9.15	-7.65	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2412MHz	Pass	5.61	-10.69	-11.11	-9.26	8.00
2437MHz	Pass	5.61	-9.57	-10.15	-7.94	8.00
2462MHz	Pass	5.61	-12.16	-12.83	-9.80	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2422MHz	Pass	5.61	-17.00	-16.33	-14.51	8.00
2437MHz	Pass	5.61	-15.04	-14.09	-11.89	8.00
2452MHz	Pass	5.61	-17.27	-17.32	-15.76	8.00

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

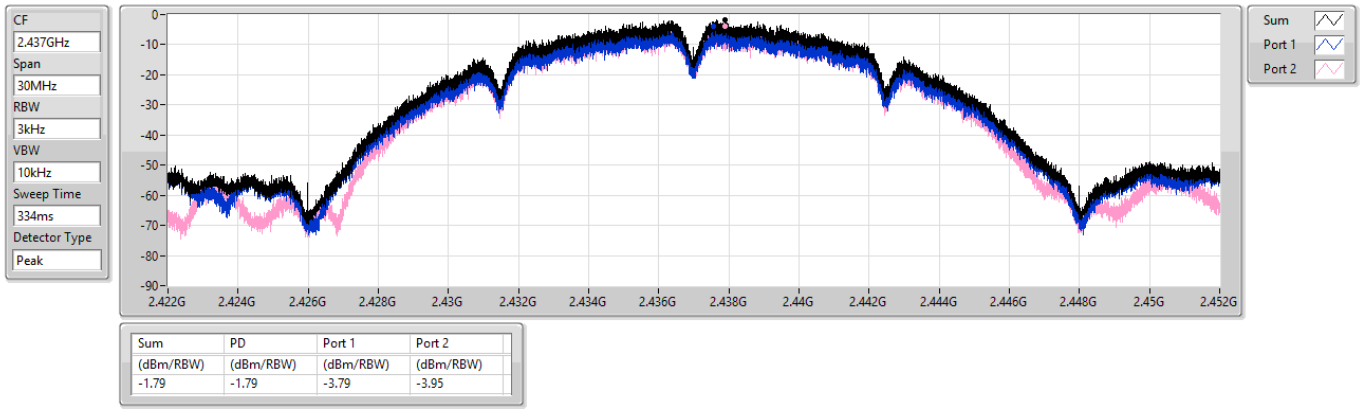
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.24	-3.24	-4.78	-5.96

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

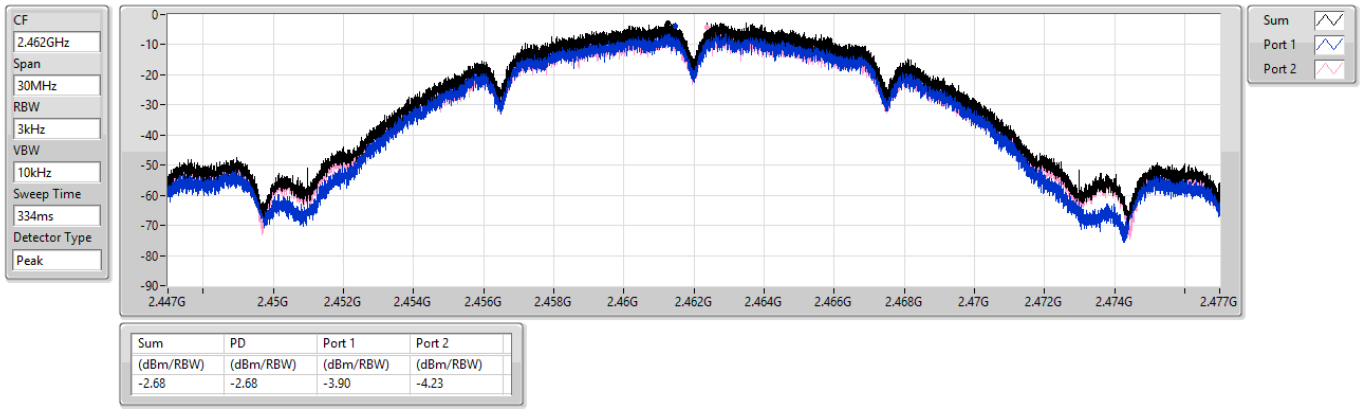
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.79	-1.79	-3.79	-3.95

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

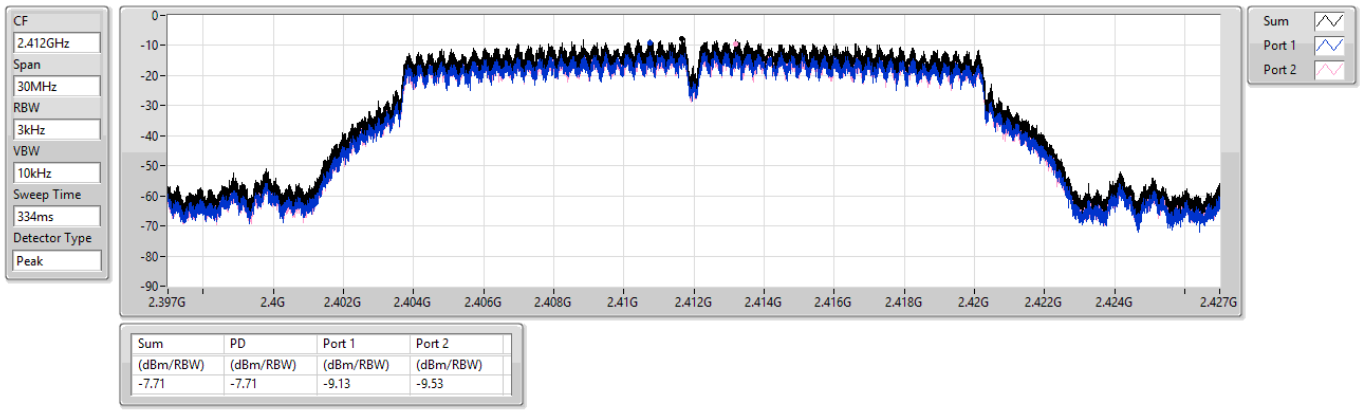
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.68	-2.68	-3.90	-4.23

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

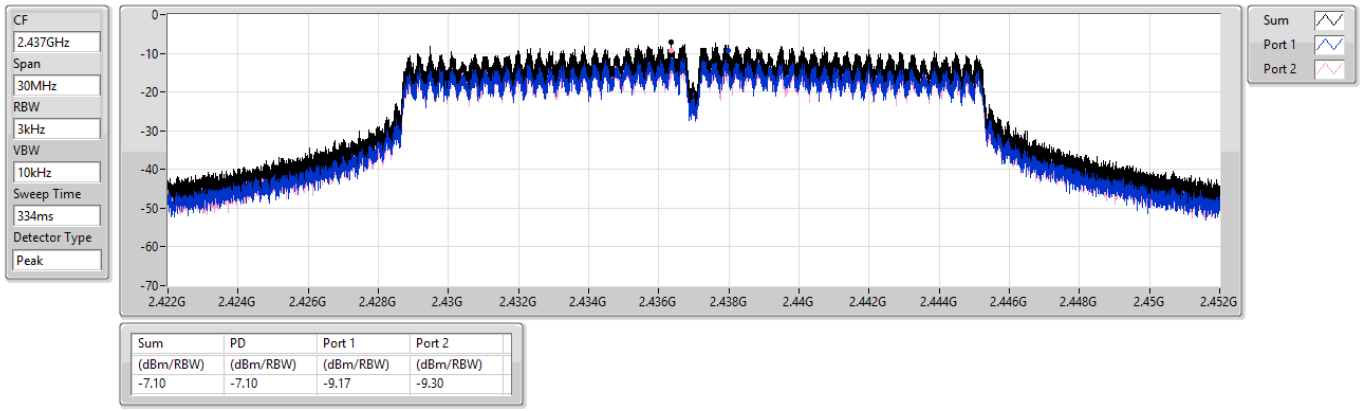
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.71	-7.71	-9.13	-9.53

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

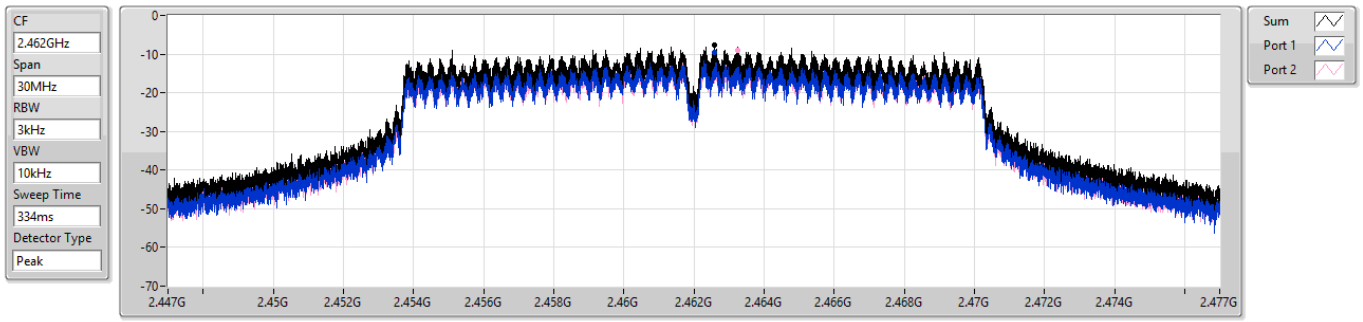
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.10	-7.10	-9.17	-9.30

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

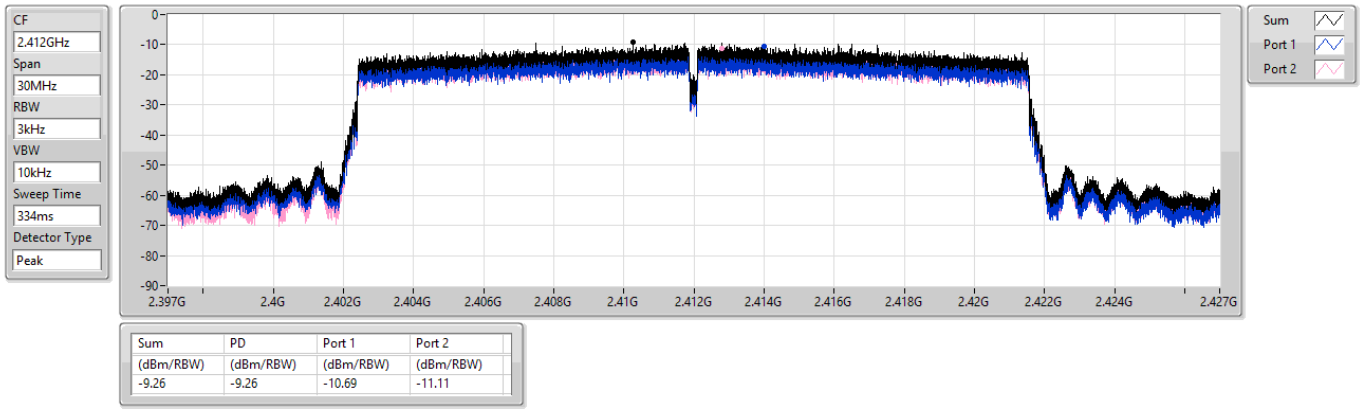
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.65	-7.65	-9.50	-9.15

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

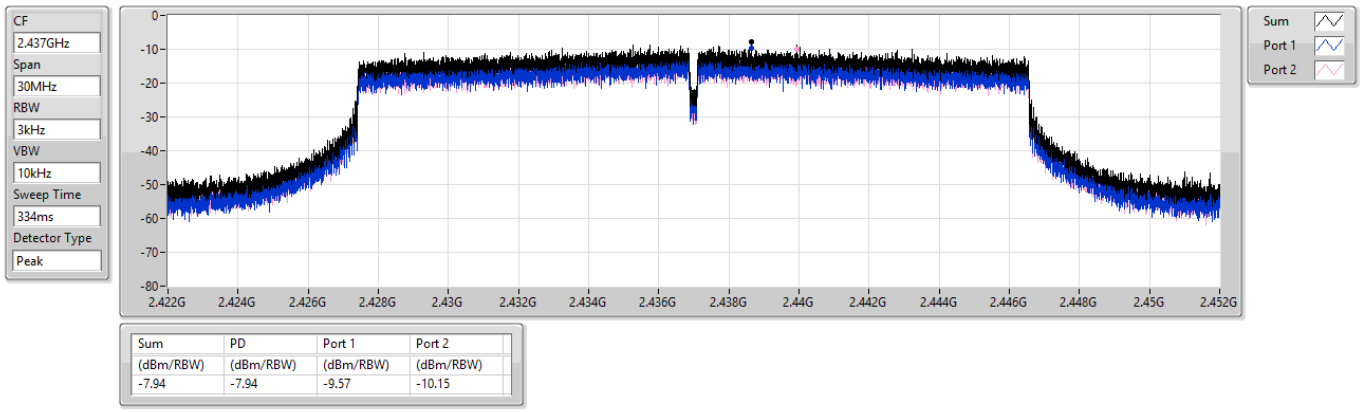
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.26	-9.26	-10.69	-11.11

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

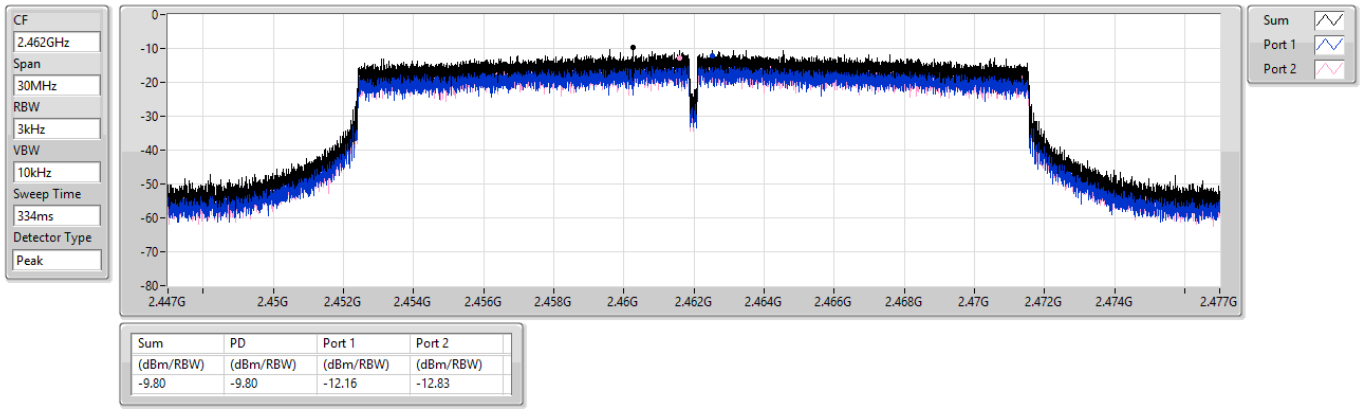
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-9.57	-10.15

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

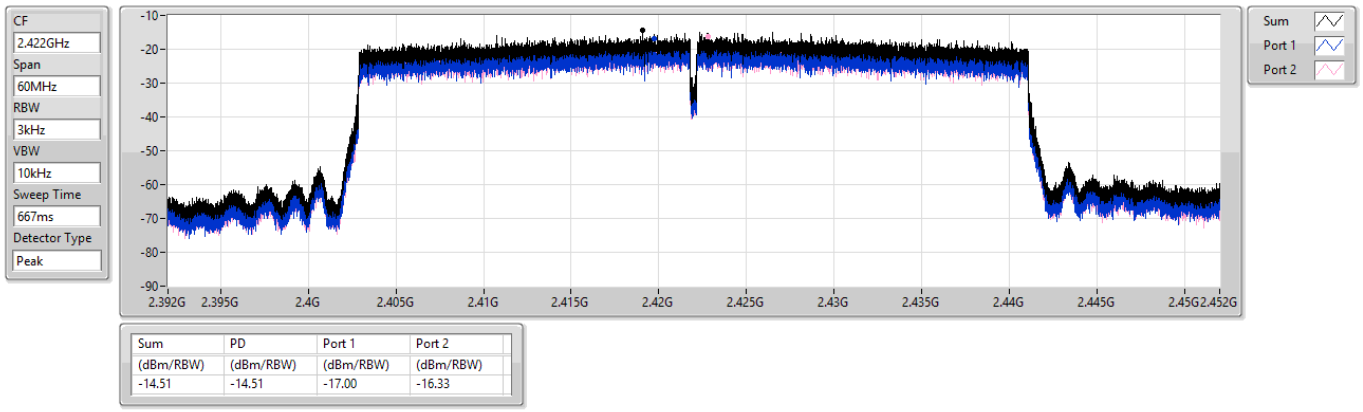
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.80	-9.80	-12.16	-12.83

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

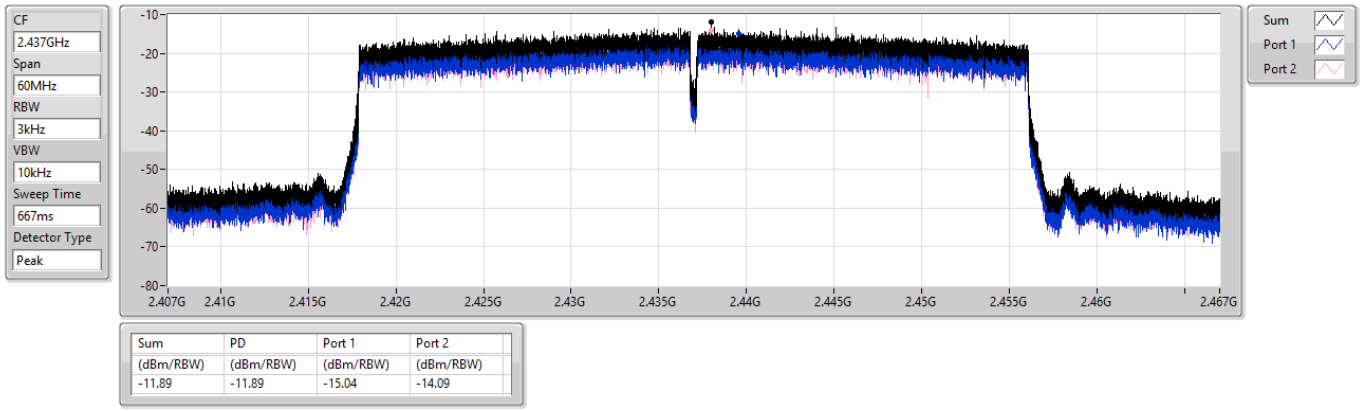
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.51	-14.51	-17.00	-16.33

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

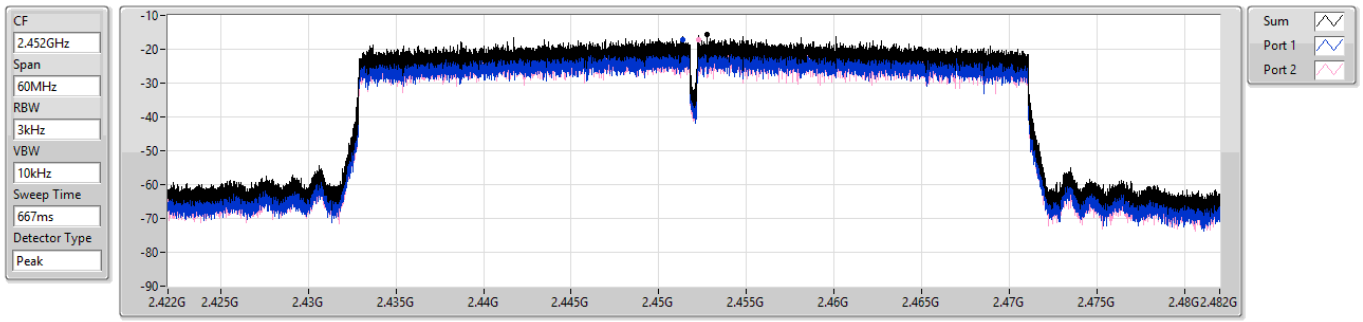
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.89	-11.89	-15.04	-14.09

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.76	-15.76	-17.27	-17.32

Summary

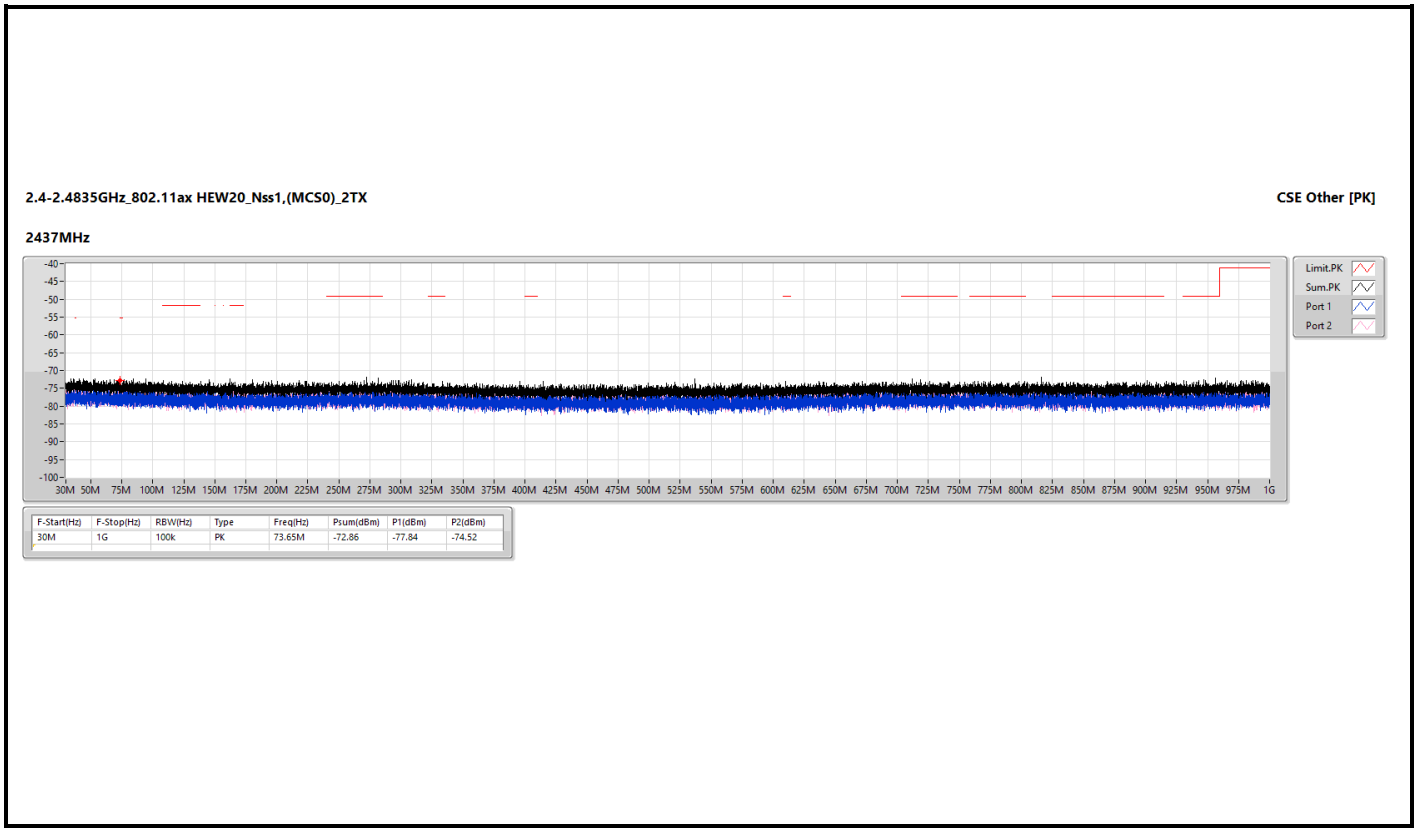
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-		-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	30M	1G	PK	73.65M	5.61	-77.84	-74.52	-72.86	4.7	-62.55	-55.20	-7.35

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)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-		-	-	-
2437MHz	Pass	30M	1G	PK	73.65M	5.61	-77.84	-74.52	-72.86	4.7	-62.55	-55.20	-7.35

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



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	2.31G	2.39G	AV	2.38528G	5.61	-50.43	-51.07	-47.73	-42.12	-41.20	-0.92
802.11g_Nss1,(6Mbps)_2TX	Pass	2.31G	2.39G	AV	2.38912G	5.61	-50.08	-51.44	-47.70	-42.09	-41.20	-0.89
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	2.31G	2.39G	AV	2.38528G	5.61	-49.94	-51.98	-47.83	-42.22	-41.20	-1.02
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	Pass	2.31G	2.39G	AV	2.38992G	5.61	-50.09	-51.36	-47.67	-42.06	-41.20	-0.86

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	2.31G	AV	2.31G	5.61	-59.57	-59.61	-56.58	-50.97	-41.20	-9.77
2412MHz	**Pass**	**2.31G**	**2.39G**	**AV**	**2.38528G**	**5.61**	**-50.43**	**-51.07**	**-47.73**	**-42.12**	**-41.20**	**-0.92**
2412MHz	Pass	2.4835G	2.5G	AV	2.49337G	5.61	-60.65	-58.03	-56.14	-50.53	-41.20	-9.33
2412MHz	Pass	2.5G	3.1G	AV	2.5714G	5.61	-61.37	-56.06	-54.94	-49.33	-41.20	-8.13
2412MHz	Pass	1G	2.31G	PK	2.31G	5.61	-50.76	-51.26	-47.99	-42.38	-21.20	-21.18
2412MHz	Pass	2.31G	2.39G	PK	2.38496G	5.61	-43.42	-43.34	-40.37	-34.76	-21.20	-13.56
2412MHz	Pass	2.4835G	2.5G	PK	2.49312G	5.61	-50.75	-46.94	-45.43	-39.82	-21.20	-18.62
2412MHz	Pass	2.5G	3.1G	PK	2.5723G	5.61	-52.08	-47.16	-45.95	-40.34	-21.20	-19.14
2437MHz	Pass	1G	2.31G	AV	2.31G	5.61	-57.26	-57.76	-54.49	-48.88	-41.20	-7.68
2437MHz	Pass	2.31G	2.39G	AV	2.35556G	5.61	-57.28	-55.10	-53.04	-47.43	-41.20	-6.23
2437MHz	Pass	2.4835G	2.5G	AV	2.48387G	5.61	-58.68	-58.28	-55.47	-49.86	-41.20	-8.66
2437MHz	Pass	2.5G	3.1G	AV	2.596G	5.61	-61.27	-56.83	-55.50	-49.89	-41.20	-8.69
2437MHz	Pass	1G	2.31G	PK	2.31G	5.61	-46.88	-47.98	-44.38	-38.77	-21.20	-17.57
2437MHz	Pass	2.31G	2.39G	PK	2.38604G	5.61	-44.16	-47.13	-42.39	-36.78	-21.20	-15.58
2437MHz	Pass	2.4835G	2.5G	PK	2.48411G	5.61	-47.69	-47.06	-44.35	-38.74	-21.20	-17.54
2437MHz	Pass	2.5G	3.1G	PK	2.5963G	5.61	-50.80	-47.40	-45.77	-40.16	-21.20	-18.96
2462MHz	Pass	1G	2.31G	AV	2.31G	5.61	-58.92	-58.84	-55.87	-50.26	-41.20	-9.06
2462MHz	Pass	2.31G	2.39G	AV	2.38308G	5.61	-58.81	-58.15	-55.46	-49.85	-41.20	-8.65
2462MHz	Pass	2.4835G	2.5G	AV	2.4835G	5.61	-55.34	-50.13	-48.99	-43.38	-41.20	-2.18
2462MHz	Pass	2.5G	3.1G	AV	2.5009G	5.61	-55.70	-56.78	-53.20	-47.59	-41.20	-6.39
2462MHz	Pass	1G	2.31G	PK	2.31G	5.61	-51.35	-48.58	-46.74	-41.13	-21.20	-19.93
2462MHz	Pass	2.31G	2.39G	PK	2.3724G	5.61	-48.68	-47.00	-44.75	-39.14	-21.20	-17.94
2462MHz	Pass	2.4835G	2.5G	PK	2.48697G	5.61	-45.22	-42.66	-40.74	-35.13	-21.20	-13.93
2462MHz	Pass	2.5G	3.1G	PK	2.5003G	5.61	-48.02	-47.58	-44.78	-39.17	-21.20	-17.97
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.31G	AV	2.31G	5.61	-55.28	-56.76	-52.95	-47.34	-41.20	-6.14
2412MHz	**Pass**	**2.31G**	**2.39G**	**AV**	**2.38912G**	**5.61**	**-50.08**	**-51.44**	**-47.70**	**-42.09**	**-41.20**	**-0.89**
2412MHz	Pass	2.4835G	2.5G	AV	2.48489G	5.61	-53.94	-53.65	-50.78	-45.17	-41.20	-3.97
2412MHz	Pass	2.5G	3.1G	AV	2.5003G	5.61	-54.77	-54.69	-51.72	-46.11	-41.20	-4.91
2412MHz	Pass	1G	2.31G	PK	2.31G	5.61	-45.39	-48.31	-43.60	-37.99	-21.20	-16.79
2412MHz	Pass	2.31G	2.39G	PK	2.38648G	5.61	-38.04	-43.00	-36.84	-31.23	-21.20	-10.03
2412MHz	Pass	2.4835G	2.5G	PK	2.48632G	5.61	-42.95	-42.61	-39.77	-34.16	-21.20	-12.96
2412MHz	Pass	2.5G	3.1G	PK	2.503G	5.61	-43.48	-47.28	-41.97	-36.36	-21.20	-15.16
2437MHz	Pass	1G	2.31G	AV	2.31G	5.61	-51.57	-52.22	-48.87	-43.26	-41.20	-2.06
2437MHz	**Pass**	**2.31G**	**2.39G**	**AV**	**2.38936G**	**5.61**	**-50.32**	**-51.14**	**-47.70**	**-42.09**	**-41.20**	**-0.89**
2437MHz	Pass	2.4835G	2.5G	AV	2.48366G	5.61	-54.14	-54.40	-51.26	-45.65	-41.20	-4.45
2437MHz	Pass	2.5G	3.1G	AV	2.5G	5.61	-55.47	-55.56	-52.50	-46.89	-41.20	-5.69
2437MHz	Pass	1G	2.31G	PK	2.31G	5.61	-42.46	-43.49	-39.93	-34.32	-21.20	-13.12
2437MHz	Pass	2.31G	2.39G	PK	2.35332G	5.61	-38.47	-40.29	-36.28	-30.67	-21.20	-9.47
2437MHz	Pass	2.4835G	2.5G	PK	2.48461G	5.61	-42.38	-45.19	-40.55	-34.94	-21.20	-13.74
2437MHz	Pass	2.5G	3.1G	PK	2.5039G	5.61	-46.92	-44.83	-42.74	-37.13	-21.20	-15.93

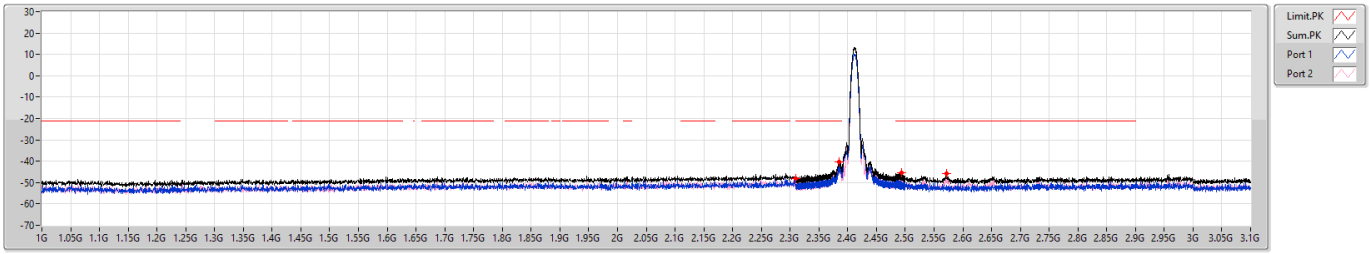
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2462MHz	Pass	1G	2.31G	AV	2.31G	5.61	-53.39	-52.88	-50.12	-44.51	-41.20	-3.31
2462MHz	Pass	2.31G	2.39G	AV	2.38476G	5.61	-51.25	-51.62	-48.42	-42.81	-41.20	-1.61
2462MHz	Pass	2.4835G	2.5G	AV	2.48351G	5.61	-51.00	-50.85	-47.91	-42.30	-41.20	-1.10
2462MHz	Pass	2.5G	3.1G	AV	2.5012G	5.61	-54.75	-54.17	-51.44	-45.83	-41.20	-4.63
2462MHz	Pass	1G	2.31G	PK	2.31G	5.61	-44.03	-43.59	-40.79	-35.18	-21.20	-13.98
2462MHz	Pass	2.31G	2.39G	PK	2.36896G	5.61	-39.93	-41.75	-37.74	-32.13	-21.20	-10.93
2462MHz	Pass	2.4835G	2.5G	PK	2.48362G	5.61	-39.44	-37.13	-35.12	-29.51	-21.20	-8.31
2462MHz	Pass	2.5G	3.1G	PK	2.5006G	5.61	-45.82	-43.66	-41.60	-35.99	-21.20	-14.79
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.31G	AV	2.31G	5.61	-55.17	-56.89	-52.94	-47.33	-41.20	-6.13
2412MHz	Pass	2.31G	2.39G	AV	2.38972G	5.61	-50.13	-51.72	-47.84	-42.23	-41.20	-1.03
2412MHz	Pass	2.4835G	2.5G	AV	2.48423G	5.61	-53.75	-54.74	-51.21	-45.60	-41.20	-4.40
2412MHz	Pass	2.5G	3.1G	AV	2.5G	5.61	-54.79	-55.54	-52.14	-46.53	-41.20	-5.33
2412MHz	Pass	1G	2.31G	PK	2.31G	5.61	-46.33	-47.91	-44.04	-38.43	-21.20	-17.23
2412MHz	Pass	2.31G	2.39G	PK	2.38868G	5.61	-38.70	-39.83	-36.22	-30.61	-21.20	-9.41
2412MHz	Pass	2.4835G	2.5G	PK	2.48819G	5.61	-43.26	-43.24	-40.24	-34.63	-21.20	-13.43
2412MHz	Pass	2.5G	3.1G	PK	2.5087G	5.61	-43.53	-46.41	-41.73	-36.12	-21.20	-14.92
2437MHz	Pass	1G	2.31G	AV	2.31G	5.61	-52.18	-53.39	-49.73	-44.12	-41.20	-2.92
2437MHz	Pass	2.31G	2.39G	AV	2.38528G	5.61	-49.94	-51.98	-47.83	-42.22	-41.20	-1.02
2437MHz	Pass	2.4835G	2.5G	AV	2.48555G	5.61	-54.25	-55.58	-51.85	-46.24	-41.20	-5.04
2437MHz	Pass	2.5G	3.1G	AV	2.5015G	5.61	-55.58	-56.63	-53.06	-47.45	-41.20	-6.25
2437MHz	Pass	1G	2.31G	PK	2.31G	5.61	-42.32	-43.44	-39.83	-34.22	-21.20	-13.02
2437MHz	Pass	2.31G	2.39G	PK	2.3884G	5.61	-38.32	-40.49	-36.26	-30.65	-21.20	-9.45
2437MHz	Pass	2.4835G	2.5G	PK	2.48487G	5.61	-42.20	-44.72	-40.27	-34.66	-21.20	-13.46
2437MHz	Pass	2.5G	3.1G	PK	2.5021G	5.61	-44.84	-45.44	-42.12	-36.51	-21.20	-15.31
2462MHz	Pass	1G	2.31G	AV	2.31G	5.61	-53.39	-54.08	-50.71	-45.10	-41.20	-3.90
2462MHz	Pass	2.31G	2.39G	AV	2.37916G	5.61	-51.11	-53.34	-49.07	-43.46	-41.20	-2.26
2462MHz	Pass	2.4835G	2.5G	AV	2.48362G	5.61	-50.73	-51.27	-47.98	-42.37	-41.20	-1.17
2462MHz	Pass	2.5G	3.1G	AV	2.5015G	5.61	-54.81	-55.76	-52.25	-46.64	-41.20	-5.44
2462MHz	Pass	1G	2.31G	PK	2.31G	5.61	-44.74	-45.13	-41.92	-36.31	-21.20	-15.11
2462MHz	Pass	2.31G	2.39G	PK	2.34568G	5.61	-39.56	-43.97	-38.22	-32.61	-21.20	-11.41
2462MHz	Pass	2.4835G	2.5G	PK	2.48387G	5.61	-39.74	-37.24	-35.30	-29.69	-21.20	-8.49
2462MHz	Pass	2.5G	3.1G	PK	2.5018G	5.61	-44.49	-46.57	-42.40	-36.79	-21.20	-15.59
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	1G	2.31G	AV	2.31G	5.61	-58.13	-58.76	-55.42	-49.81	-41.20	-8.61
2422MHz	Pass	2.31G	2.39G	AV	2.38976G	5.61	-53.19	-52.38	-49.76	-44.15	-41.20	-2.95
2422MHz	Pass	2.4835G	2.5G	AV	2.48415G	5.61	-56.20	-56.70	-53.43	-47.82	-41.20	-6.62
2422MHz	Pass	2.5G	3.1G	AV	2.5012G	5.61	-57.79	-57.44	-54.60	-48.99	-41.20	-7.79
2422MHz	Pass	1G	2.31G	PK	2.31G	5.61	-49.14	-49.42	-46.27	-40.66	-21.20	-19.46
2422MHz	Pass	2.31G	2.39G	PK	2.38108G	5.61	-30.55	-44.64	-30.38	-24.77	-21.20	-3.57
2422MHz	Pass	2.4835G	2.5G	PK	2.48519G	5.61	-47.30	-38.17	-37.67	-32.06	-21.20	-10.86

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)
2422MHz	Pass	2.5G	3.1G	PK	2.5012G	5.61	-49.88	-45.80	-44.37	-38.76	-21.20	-17.56
2437MHz	Pass	1G	2.31G	AV	2.31G	5.61	-54.88	-55.72	-52.27	-46.66	-41.20	-5.46
2437MHz	**Pass**	**2.31G**	**2.39G**	**AV**	**2.38992G**	**5.61**	**-50.09**	**-51.36**	**-47.67**	**-42.06**	**-41.20**	**-0.86**
2437MHz	Pass	2.4835G	2.5G	AV	2.4835G	5.61	-53.09	-52.55	-49.80	-44.19	-41.20	-2.99
2437MHz	Pass	2.5G	3.1G	AV	2.5012G	5.61	-56.17	-57.13	-53.61	-48.00	-41.20	-6.80
2437MHz	Pass	1G	2.31G	PK	2.31G	5.61	-44.90	-44.59	-41.73	-36.12	-21.20	-14.92
2437MHz	Pass	2.31G	2.39G	PK	2.38992G	5.61	-29.11	-36.05	-28.31	-22.70	-21.20	-1.50
2437MHz	Pass	2.4835G	2.5G	PK	2.48677G	5.61	-31.04	-35.02	-29.58	-23.97	-21.20	-2.77
2437MHz	Pass	2.5G	3.1G	PK	2.5039G	5.61	-46.37	-38.51	-37.85	-32.24	-21.20	-11.04
2452MHz	Pass	1G	2.31G	AV	2.31G	5.61	-56.13	-57.17	-53.61	-48.00	-41.20	-6.80
2452MHz	Pass	2.31G	2.39G	AV	2.3832G	5.61	-54.24	-55.95	-52.00	-46.39	-41.20	-5.19
2452MHz	Pass	2.4835G	2.5G	AV	2.48417G	5.61	-50.67	-51.69	-48.14	-42.53	-41.20	-1.33
2452MHz	Pass	2.5G	3.1G	AV	2.5G	5.61	-56.09	-57.70	-53.81	-48.20	-41.20	-7.00
2452MHz	Pass	1G	2.31G	PK	2.31G	5.61	-45.92	-46.89	-43.37	-37.76	-21.20	-16.56
2452MHz	Pass	2.31G	2.39G	PK	2.36368G	5.61	-42.06	-46.46	-40.71	-35.10	-21.20	-13.90
2452MHz	Pass	2.4835G	2.5G	PK	2.48477G	5.61	-39.65	-32.72	-31.92	-26.31	-21.20	-5.11
2452MHz	Pass	2.5G	3.1G	PK	2.5003G	5.61	-46.93	-47.40	-44.15	-38.54	-21.20	-17.34

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE Bandedge [PK]**

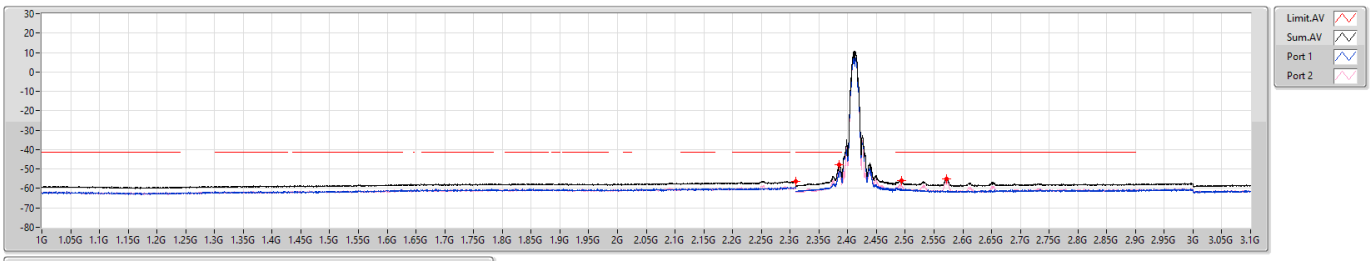
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-47.99	-50.76	-51.26
2.31G	2.39G	1M	PK	2.38496G	-40.37	-43.42	-43.34
2.4835G	2.5G	1M	PK	2.49312G	-45.43	-50.75	-46.94
2.5G	3.1G	1M	PK	2.5723G	-45.95	-52.08	-47.16

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE Bandedge [AV]**

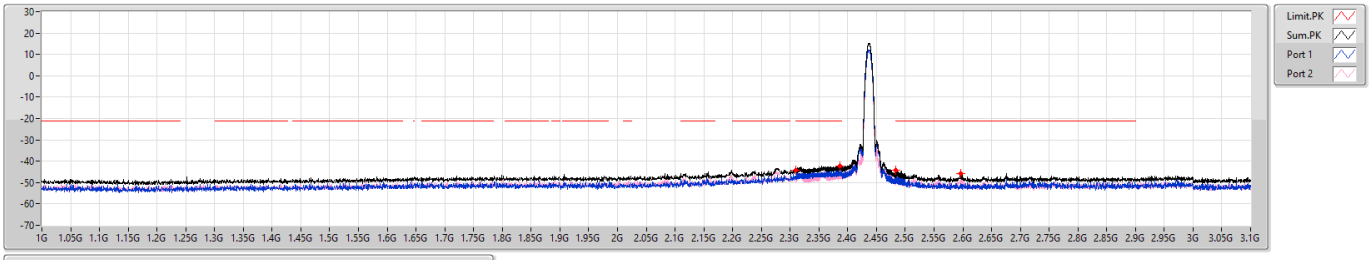
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-56.58	-59.57	-59.61
2.31G	2.39G	1M	AV	2.38528G	-47.73	-50.43	-51.07
2.4835G	2.5G	1M	AV	2.49337G	-56.14	-60.65	-58.03
2.5G	3.1G	1M	AV	2.5714G	-54.94	-61.37	-56.06

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE Bandedge [PK]**

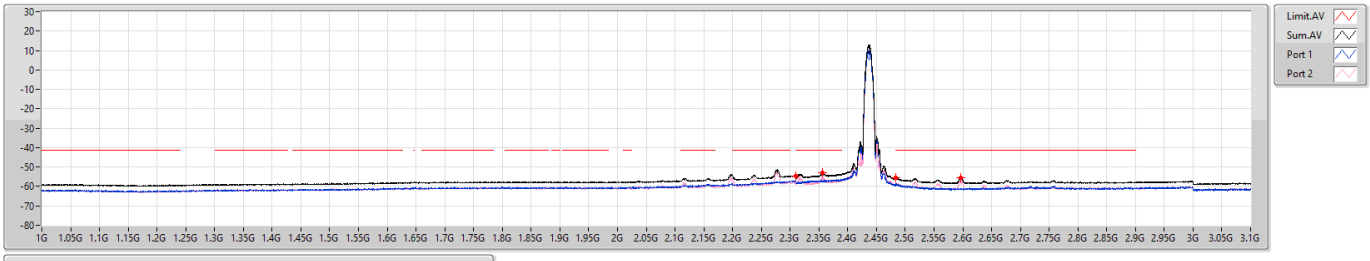
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-44.38	-46.88	-47.98
2.31G	2.39G	1M	PK	2.38604G	-42.39	-44.16	-47.13
2.4835G	2.5G	1M	PK	2.48411G	-44.35	-47.69	-47.06
2.5G	3.1G	1M	PK	2.5963G	-45.77	-50.80	-47.40

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE Bandedge [AV]**

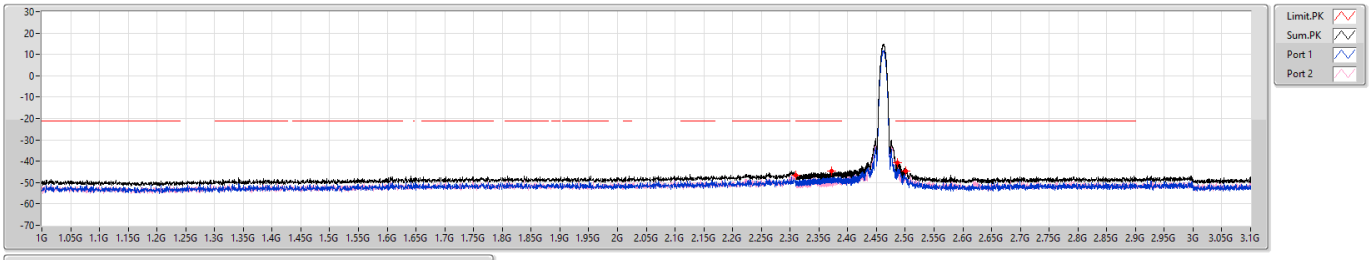
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-54.49	-57.26	-57.76
2.31G	2.39G	1M	AV	2.35556G	-53.04	-57.28	-55.10
2.4835G	2.5G	1M	AV	2.48387G	-55.47	-58.68	-58.28
2.5G	3.1G	1M	AV	2.596G	-55.50	-61.27	-56.83

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE Bandedge [PK]**

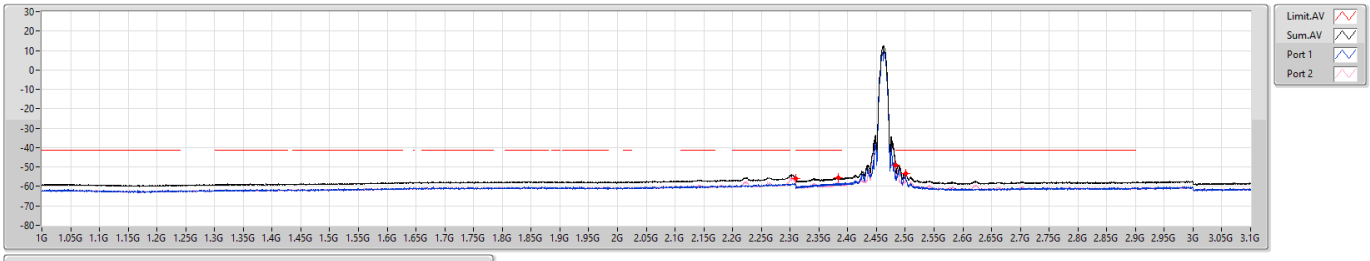
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-46.74	-51.35	-48.58
2.31G	2.39G	1M	PK	2.3724G	-44.75	-48.68	-47.00
2.4835G	2.5G	1M	PK	2.48697G	-40.74	-45.22	-42.66
2.5G	3.1G	1M	PK	2.5003G	-44.78	-48.02	-47.58

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE Bandedge [AV]**

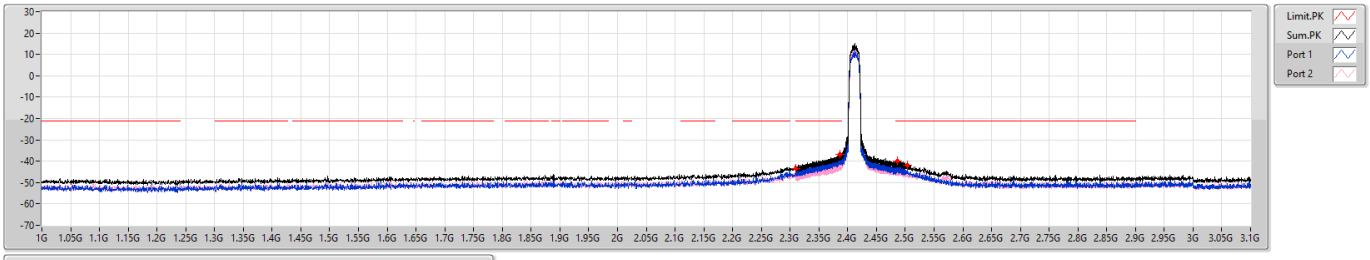
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-55.87	-58.92	-58.84
2.31G	2.39G	1M	AV	2.38308G	-55.46	-58.81	-58.15
2.4835G	2.5G	1M	AV	2.4835G	-48.99	-55.34	-50.13
2.5G	3.1G	1M	AV	2.5009G	-53.20	-55.70	-56.78

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE Bandedge [PK]**

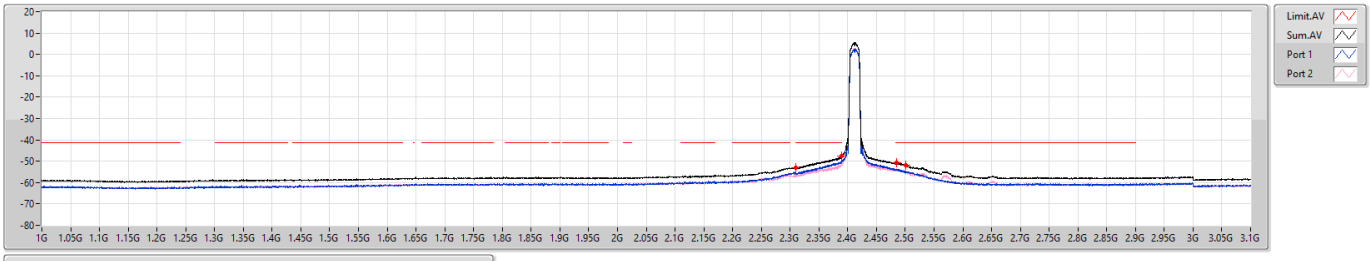
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-43.60	-45.39	-48.31
2.31G	2.39G	1M	PK	2.38648G	-36.84	-38.04	-43.00
2.4835G	2.5G	1M	PK	2.48632G	-39.77	-42.95	-42.61
2.5G	3.1G	1M	PK	2.503G	-41.97	-43.48	-47.28

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE Bandedge [AV]**

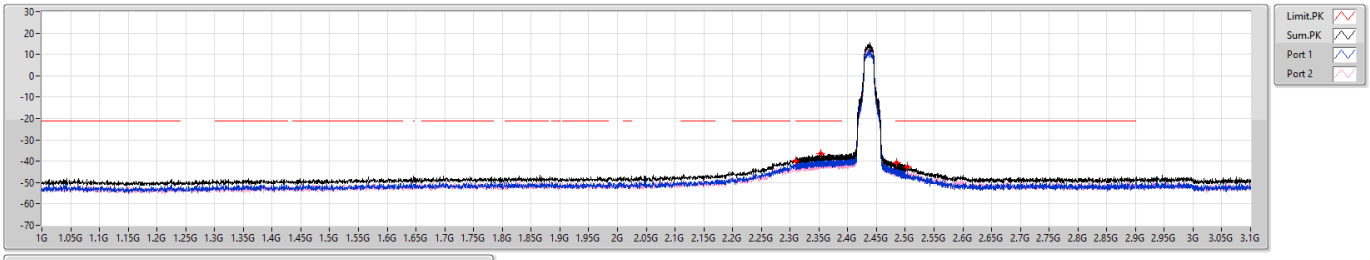
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-52.95	-55.28	-56.76
2.31G	2.39G	1M	AV	2.38912G	-47.70	-50.08	-51.44
2.4835G	2.5G	1M	AV	2.48489G	-50.78	-53.94	-53.65
2.5G	3.1G	1M	AV	2.5003G	-51.72	-54.77	-54.69

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE Bandedge [PK]**

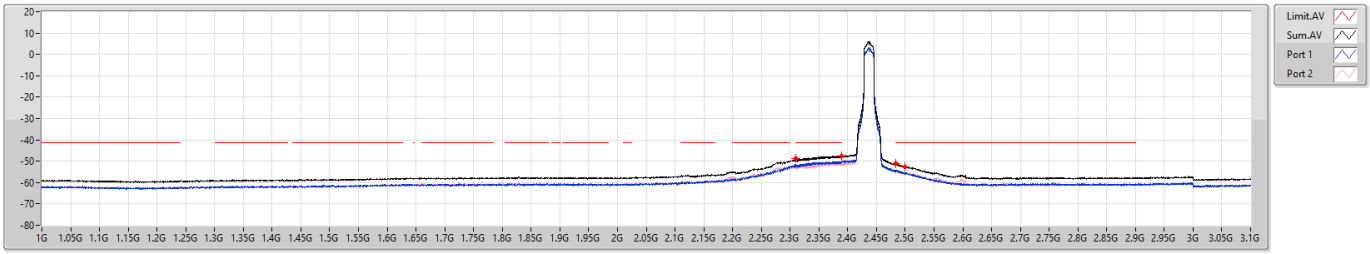
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-39.93	-42.46	-43.49
2.31G	2.39G	1M	PK	2.35332G	-36.28	-38.47	-40.29
2.4835G	2.5G	1M	PK	2.48461G	-40.55	-42.38	-45.19
2.5G	3.1G	1M	PK	2.5039G	-42.74	-46.92	-44.83

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE Bandedge [AV]**

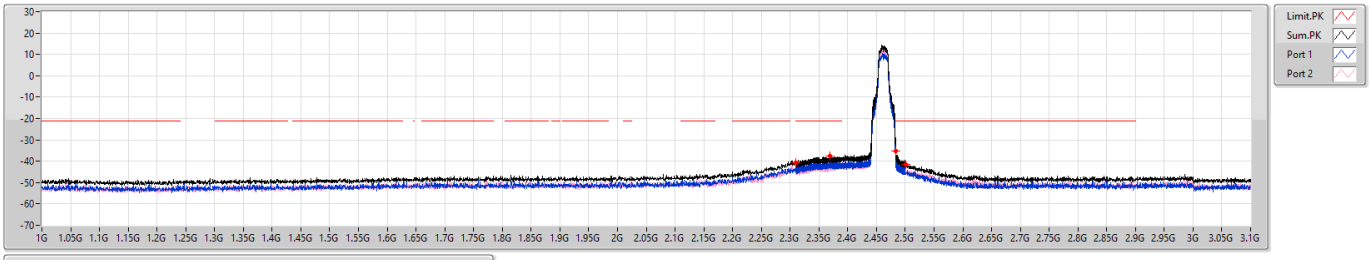
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-48.87	-51.57	-52.22
2.31G	2.39G	1M	AV	2.38936G	-47.70	-50.32	-51.14
2.4835G	2.5G	1M	AV	2.48366G	-51.26	-54.14	-54.40
2.5G	3.1G	1M	AV	2.5G	-52.50	-55.47	-55.56

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE Bandedge [PK]**

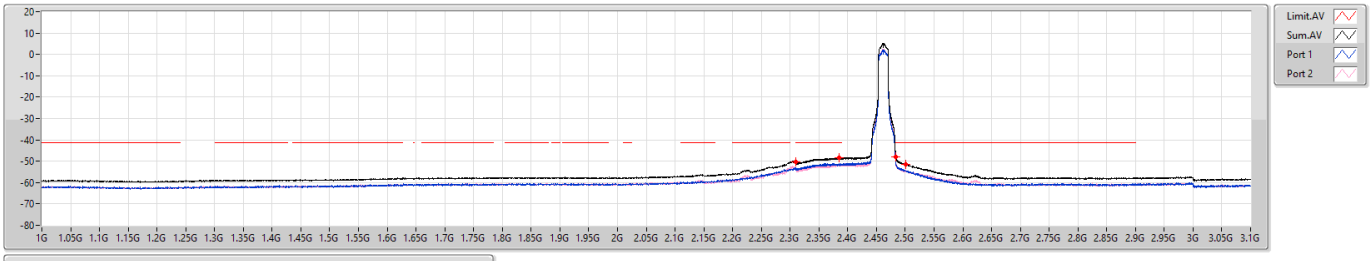
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-40.79	-44.03	-43.59
2.31G	2.39G	1M	PK	2.36896G	-37.74	-39.93	-41.75
2.4835G	2.5G	1M	PK	2.48362G	-35.12	-39.44	-37.13
2.5G	3.1G	1M	PK	2.5006G	-41.60	-45.82	-43.66

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE Bandedge [AV]**

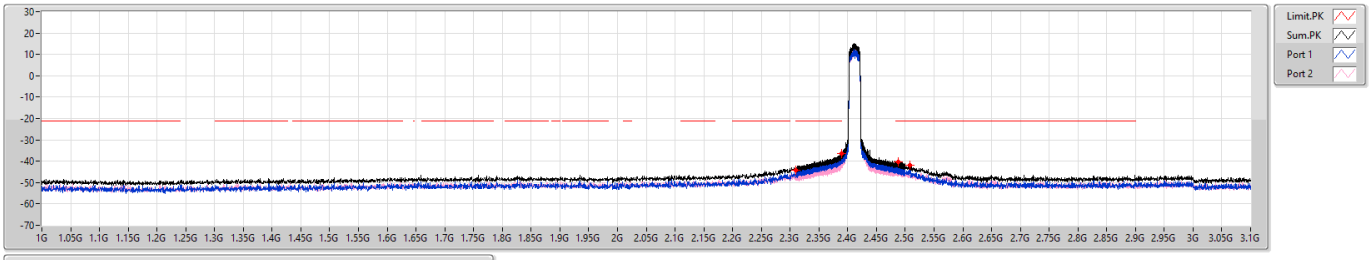
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-50.12	-53.39	-52.88
2.31G	2.39G	1M	AV	2.38476G	-48.42	-51.25	-51.62
2.4835G	2.5G	1M	AV	2.48351G	-47.91	-51.00	-50.85
2.5G	3.1G	1M	AV	2.5012G	-51.44	-54.75	-54.17

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE Bandedge [PK]**

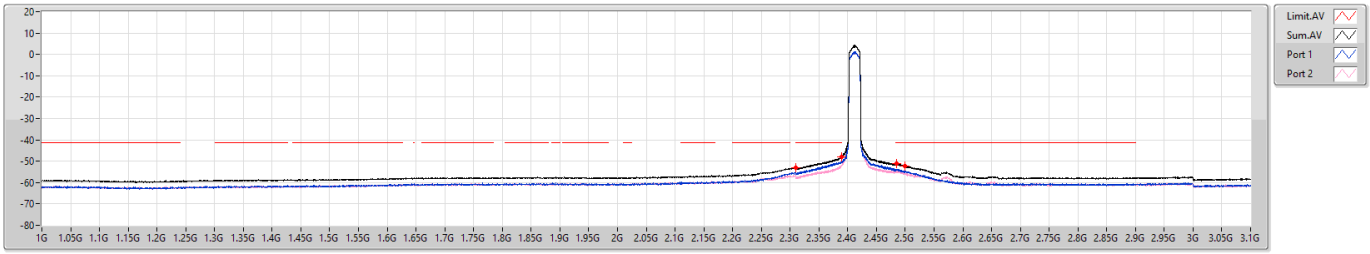
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-44.04	-46.33	-47.91
2.31G	2.39G	1M	PK	2.38868G	-36.22	-38.70	-39.83
2.4835G	2.5G	1M	PK	2.48819G	-40.24	-43.26	-43.24
2.5G	3.1G	1M	PK	2.5087G	-41.73	-43.53	-46.41

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE Bandedge [AV]**

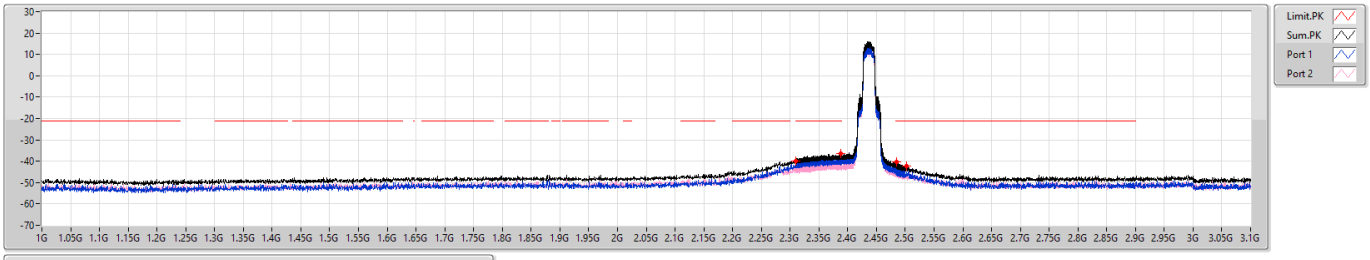
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-52.94	-55.17	-56.89
2.31G	2.39G	1M	AV	2.38972G	-47.84	-50.13	-51.72
2.4835G	2.5G	1M	AV	2.48423G	-51.21	-53.75	-54.74
2.5G	3.1G	1M	AV	2.5G	-52.14	-54.79	-55.54

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE Bandedge [PK]**

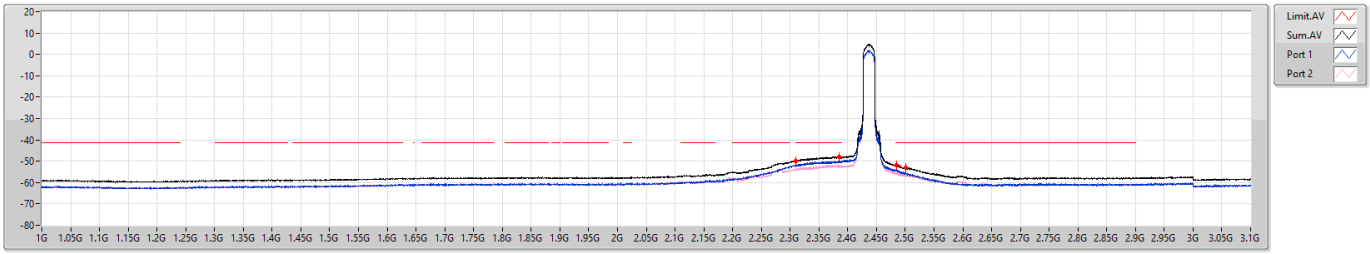
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-39.83	-42.32	-43.44
2.31G	2.39G	1M	PK	2.3884G	-36.26	-38.32	-40.49
2.4835G	2.5G	1M	PK	2.48487G	-40.27	-42.20	-44.72
2.5G	3.1G	1M	PK	2.5021G	-42.12	-44.84	-45.44

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE Bandedge [AV]**

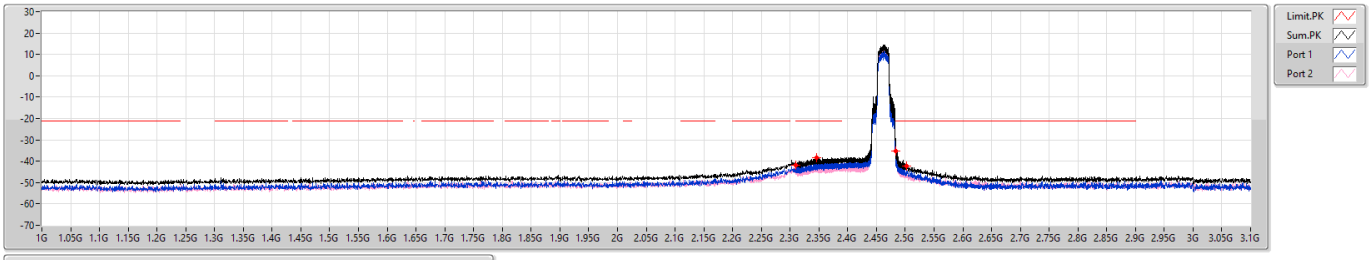
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-49.73	-52.18	-53.39
2.31G	2.39G	1M	AV	2.38528G	-47.83	-49.94	-51.98
2.4835G	2.5G	1M	AV	2.48555G	-51.85	-54.25	-55.58
2.5G	3.1G	1M	AV	2.5015G	-53.06	-55.58	-56.63

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE Bandedge [PK]**

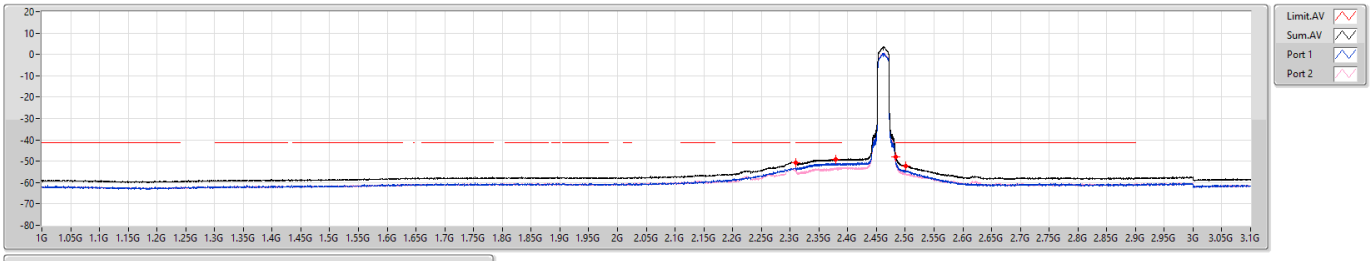
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.92	-44.74	-45.13
2.31G	2.39G	1M	PK	2.34568G	-38.22	-39.56	-43.97
2.4835G	2.5G	1M	PK	2.48387G	-35.30	-39.74	-37.24
2.5G	3.1G	1M	PK	2.5018G	-42.40	-44.49	-46.57

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE Bandedge [AV]**

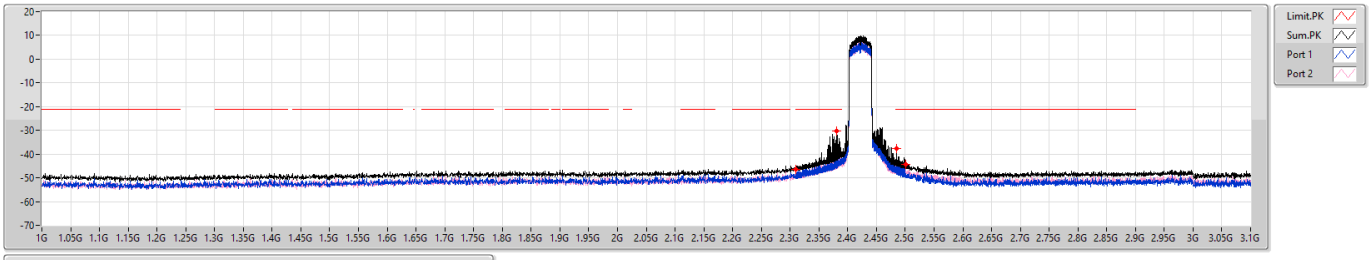
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-50.71	-53.39	-54.08
2.31G	2.39G	1M	AV	2.37916G	-49.07	-51.11	-53.34
2.4835G	2.5G	1M	AV	2.48362G	-47.98	-50.73	-51.27
2.5G	3.1G	1M	AV	2.5015G	-52.25	-54.81	-55.76

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE Bandedge [PK]**

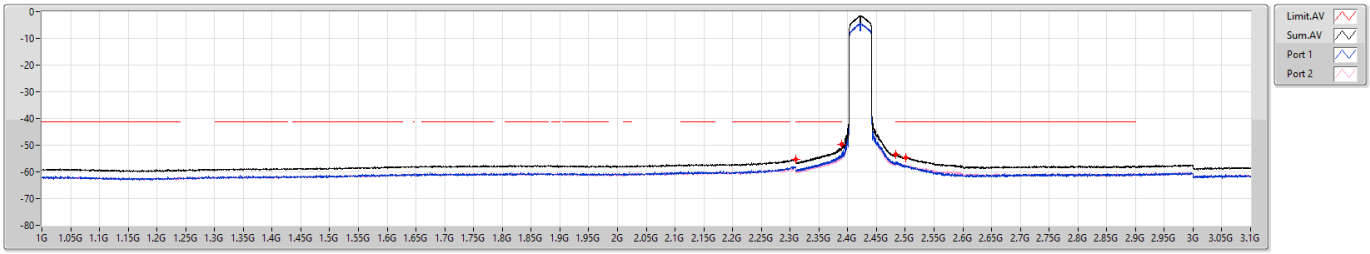
2422MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-46.27	-49.14	-49.42
2.31G	2.39G	1M	PK	2.38108G	-30.38	-30.55	-44.64
2.4835G	2.5G	1M	PK	2.48519G	-37.67	-47.30	-38.17
2.5G	3.1G	1M	PK	2.5012G	-44.37	-49.88	-45.80

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE Bandedge [AV]**

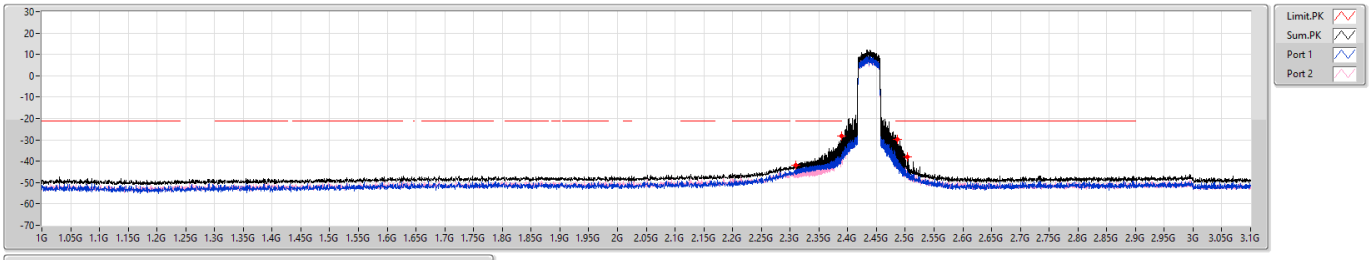
2422MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-55.42	-58.13	-58.76
2.31G	2.39G	1M	AV	2.38976G	-49.76	-53.19	-52.38
2.4835G	2.5G	1M	AV	2.48415G	-53.43	-56.20	-56.70
2.5G	3.1G	1M	AV	2.5012G	-54.60	-57.79	-57.44

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE Bandedge [PK]**

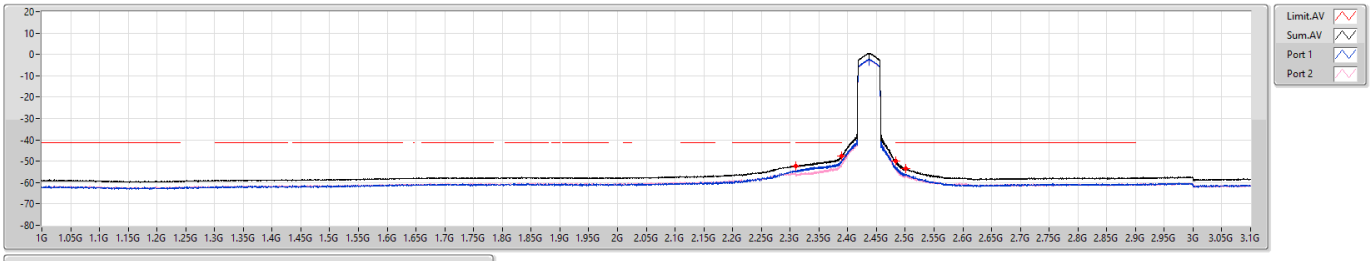
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.73	-44.90	-44.59
2.31G	2.39G	1M	PK	2.38992G	-28.31	-29.11	-36.05
2.4835G	2.5G	1M	PK	2.48677G	-29.58	-31.04	-35.02
2.5G	3.1G	1M	PK	2.5039G	-37.85	-46.37	-38.51

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE Bandedge [AV]**

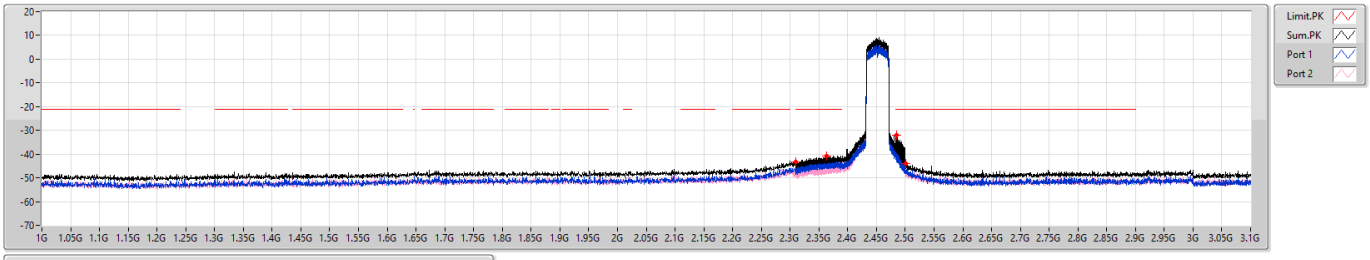
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-52.27	-54.88	-55.72
2.31G	2.39G	1M	AV	2.38992G	-47.67	-50.09	-51.36
2.4835G	2.5G	1M	AV	2.4835G	-49.80	-53.09	-52.55
2.5G	3.1G	1M	AV	2.5012G	-53.61	-56.17	-57.13

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE Bandedge [PK]**

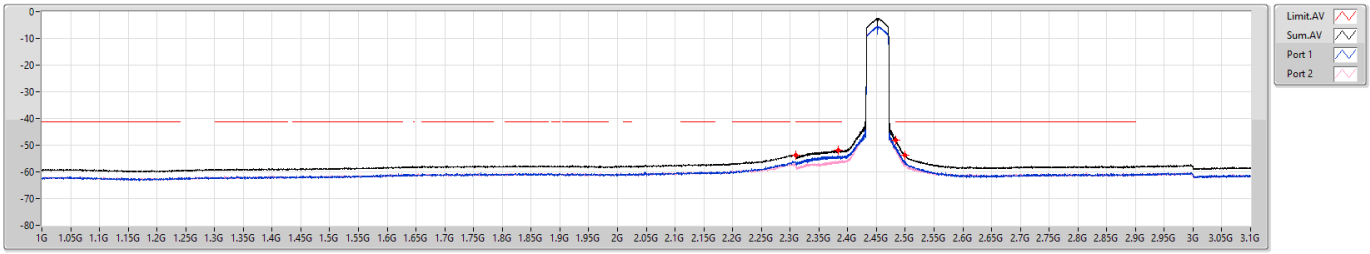
2452MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-43.37	-45.92	-46.89
2.31G	2.39G	1M	PK	2.36368G	-40.71	-42.06	-46.46
2.4835G	2.5G	1M	PK	2.48477G	-31.92	-39.65	-32.72
2.5G	3.1G	1M	PK	2.5003G	-44.15	-46.93	-47.40

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE Bandedge [AV]**

2452MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-53.61	-56.13	-57.17
2.31G	2.39G	1M	AV	2.3832G	-52.00	-54.24	-55.95
2.4835G	2.5G	1M	AV	2.48417G	-48.14	-50.67	-51.69
2.5G	3.1G	1M	AV	2.5G	-53.81	-56.09	-57.70

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	4G	5G	AV	4.924G	5.61	-54.16	-55.69	-51.85	-46.24	-41.20	-5.04
802.11g_Nss1,(6Mbps)_2TX	Pass	8G	25G	AV	22.10522G	5.61	-67.87	-68.63	-65.22	-59.61	-41.20	-18.41
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	8G	25G	AV	22.12966G	5.61	-68.46	-68.00	-65.21	-59.60	-41.20	-18.40
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	Pass	8G	25G	AV	22.12381G	5.61	-67.51	-68.89	-65.14	-59.53	-41.20	-18.33

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	3.1G	4G	AV	3.9847G	5.61	-77.97	-78.30	-75.12	-69.51	-41.20	-28.31
2412MHz	Pass	4G	5G	AV	4.824G	5.61	-54.32	-58.71	-52.97	-47.36	-41.20	-6.16
2412MHz	Pass	5G	7G	AV	5.3765G	5.61	-76.69	-76.83	-73.75	-68.14	-41.20	-26.94
2412MHz	Pass	7G	8G	AV	7.496G	5.61	-73.67	-73.61	-70.63	-65.02	-41.20	-23.82
2412MHz	Pass	8G	25G	AV	22.11159G	5.61	-68.86	-68.17	-65.49	-59.88	-41.20	-18.68
2412MHz	Pass	3.1G	4G	PK	3.76465G	5.61	-67.37	-68.89	-65.05	-59.44	-21.20	-38.24
2412MHz	Pass	4G	5G	PK	4.824G	5.61	-53.00	-56.64	-51.44	-45.83	-21.20	-24.63
2412MHz	Pass	5G	7G	PK	5.4085G	5.61	-65.68	-66.98	-63.27	-57.66	-21.20	-36.46
2412MHz	Pass	7G	8G	PK	7.473G	5.61	-63.03	-65.36	-61.03	-55.42	-21.20	-34.22
2412MHz	Pass	8G	25G	PK	22.18278G	5.61	-61.78	-59.02	-57.17	-51.56	-21.20	-30.36
2437MHz	Pass	3.1G	4G	AV	3.95905G	5.61	-78.25	-78.02	-75.12	-69.51	-41.20	-28.31
2437MHz	Pass	4G	5G	AV	4.874G	5.61	-54.42	-57.28	-52.61	-47.00	-41.20	-5.80
2437MHz	Pass	5G	7G	AV	5.4015G	5.61	-76.69	-76.74	-73.70	-68.09	-41.20	-26.89
2437MHz	Pass	7G	8G	AV	7.312G	5.61	-64.35	-64.02	-61.17	-55.56	-41.20	-14.36
2437MHz	Pass	8G	25G	AV	22.13284G	5.61	-67.93	-69.16	-65.49	-59.88	-41.20	-18.68
2437MHz	Pass	3.1G	4G	PK	3.95275G	5.61	-66.09	-69.57	-64.48	-58.87	-21.20	-37.67
2437MHz	Pass	4G	5G	PK	4.874G	5.61	-52.93	-55.57	-51.04	-45.43	-21.20	-24.23
2437MHz	Pass	5G	7G	PK	5.4335G	5.61	-65.49	-68.19	-63.62	-58.01	-21.20	-36.81
2437MHz	Pass	7G	8G	PK	7.3125G	5.61	-58.15	-58.03	-55.08	-49.47	-21.20	-28.27
2437MHz	Pass	8G	25G	PK	22.11106G	5.61	-60.94	-60.30	-57.60	-51.99	-21.20	-30.79
2462MHz	Pass	3.1G	4G	AV	3.99865G	5.61	-78.48	-77.86	-75.15	-69.54	-41.20	-28.34
2462MHz	Pass	4G	5G	AV	4.924G	5.61	-54.16	-55.69	-51.85	-46.24	-41.20	-5.04
2462MHz	Pass	5G	7G	AV	5.424G	5.61	-76.79	-76.58	-73.67	-68.06	-41.20	-26.86
2462MHz	Pass	7G	8G	AV	7.385G	5.61	-65.30	-64.85	-62.06	-56.45	-41.20	-15.25
2462MHz	Pass	8G	25G	AV	22.06378G	5.61	-68.52	-68.62	-65.56	-59.95	-41.20	-18.75
2462MHz	Pass	3.1G	4G	PK	3.9415G	5.61	-67.13	-68.41	-64.71	-59.10	-21.20	-37.90
2462MHz	Pass	4G	5G	PK	4.924G	5.61	-52.51	-54.25	-50.28	-44.67	-21.20	-23.47
2462MHz	Pass	5G	7G	PK	5.4365G	5.61	-66.51	-65.78	-63.12	-57.51	-21.20	-36.31
2462MHz	Pass	7G	8G	PK	7.385G	5.61	-59.65	-59.69	-56.66	-51.05	-21.20	-29.85
2462MHz	Pass	8G	25G	PK	22.09459G	5.61	-59.81	-62.15	-57.81	-52.20	-21.20	-31.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3.1G	4G	AV	3.9856G	5.61	-77.75	-77.90	-74.81	-69.20	-41.20	-28.00
2412MHz	Pass	4G	5G	AV	4.823G	5.61	-71.29	-69.21	-67.12	-61.51	-41.20	-20.31
2412MHz	Pass	5G	7G	AV	5.456G	5.61	-76.74	-76.43	-73.57	-67.96	-41.20	-26.76
2412MHz	Pass	7G	8G	AV	7.4995G	5.61	-73.33	-73.85	-70.57	-64.96	-41.20	-23.76
2412MHz	Pass	8G	25G	AV	22.10522G	5.61	-67.87	-68.63	-65.22	-59.61	-41.20	-18.41
2412MHz	Pass	3.1G	4G	PK	3.8335G	5.61	-67.87	-66.98	-64.39	-58.78	-21.20	-37.58
2412MHz	Pass	4G	5G	PK	4.828G	5.61	-60.49	-57.83	-55.95	-50.34	-21.20	-29.14
2412MHz	Pass	5G	7G	PK	5.3635G	5.61	-68.59	-65.20	-63.56	-57.95	-21.20	-36.75
2412MHz	Pass	7G	8G	PK	7.48G	5.61	-63.00	-64.38	-60.63	-55.02	-21.20	-33.82
2412MHz	Pass	8G	25G	PK	22.23697G	5.61	-60.96	-59.30	-57.04	-51.43	-21.20	-30.23

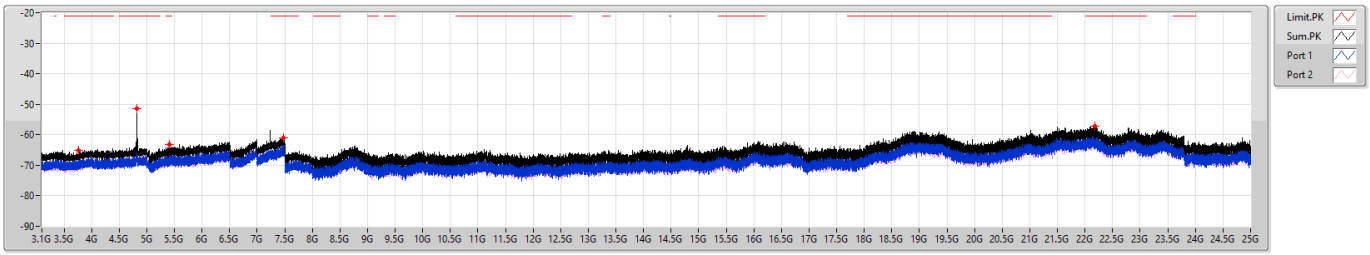
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2437MHz	Pass	3.1G	4G	AV	3.99235G	5.61	-77.72	-78.00	-74.85	-69.24	-41.20	-28.04
2437MHz	Pass	4G	5G	AV	4.873G	5.61	-69.61	-68.46	-65.99	-60.38	-41.20	-19.18
2437MHz	Pass	5G	7G	AV	5.423G	5.61	-77.04	-76.44	-73.72	-68.11	-41.20	-26.91
2437MHz	Pass	7G	8G	AV	7.313G	5.61	-72.57	-71.23	-68.84	-63.23	-41.20	-22.03
2437MHz	Pass	8G	25G	AV	22.15569G	5.61	-68.37	-68.58	-65.46	-59.85	-41.20	-18.65
2437MHz	Pass	3.1G	4G	PK	3.9442G	5.61	-68.03	-67.56	-64.78	-59.17	-21.20	-37.97
2437MHz	Pass	4G	5G	PK	4.8765G	5.61	-60.67	-58.22	-56.26	-50.65	-21.20	-29.45
2437MHz	Pass	5G	7G	PK	5.4455G	5.61	-66.46	-66.87	-63.65	-58.04	-21.20	-36.84
2437MHz	Pass	7G	8G	PK	7.3175G	5.61	-64.73	-59.79	-58.58	-52.97	-21.20	-31.77
2437MHz	Pass	8G	25G	PK	22.84631G	5.61	-62.17	-58.37	-56.86	-51.25	-21.20	-30.05
2462MHz	Pass	3.1G	4G	AV	3.9883G	5.61	-77.80	-77.80	-74.79	-69.18	-41.20	-27.98
2462MHz	Pass	4G	5G	AV	4.927G	5.61	-71.61	-69.58	-67.47	-61.86	-41.20	-20.66
2462MHz	Pass	5G	7G	AV	5.43G	5.61	-76.52	-76.74	-73.62	-68.01	-41.20	-26.81
2462MHz	Pass	7G	8G	AV	7.3875G	5.61	-72.85	-71.85	-69.31	-63.70	-41.20	-22.50
2462MHz	Pass	8G	25G	AV	22.12116G	5.61	-67.78	-68.77	-65.24	-59.63	-41.20	-18.43
2462MHz	Pass	3.1G	4G	PK	3.9748G	5.61	-66.35	-68.62	-64.33	-58.72	-21.20	-37.52
2462MHz	Pass	4G	5G	PK	4.927G	5.61	-61.89	-58.18	-56.64	-51.03	-21.20	-29.83
2462MHz	Pass	5G	7G	PK	5.386G	5.61	-67.62	-65.91	-63.67	-58.06	-21.20	-36.86
2462MHz	Pass	7G	8G	PK	7.388G	5.61	-64.83	-60.06	-58.81	-53.20	-21.20	-32.00
2462MHz	Pass	8G	25G	PK	22.18066G	5.61	-59.98	-60.64	-57.29	-51.68	-21.20	-30.48
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3.1G	4G	AV	3.94825G	5.61	-77.78	-78.16	-74.96	-69.35	-41.20	-28.15
2412MHz	Pass	4G	5G	AV	4.824G	5.61	-70.91	-71.17	-68.03	-62.42	-41.20	-21.22
2412MHz	Pass	5G	7G	AV	5.407G	5.61	-77.08	-76.28	-73.65	-68.04	-41.20	-26.84
2412MHz	Pass	7G	8G	AV	7.499G	5.61	-73.77	-73.23	-70.48	-64.87	-41.20	-23.67
2412MHz	Pass	8G	25G	AV	22.15197G	5.61	-67.89	-69.05	-65.42	-59.81	-41.20	-18.61
2412MHz	Pass	3.1G	4G	PK	3.91G	5.61	-66.97	-68.57	-64.69	-59.08	-21.20	-37.88
2412MHz	Pass	4G	5G	PK	4.826G	5.61	-62.74	-59.94	-58.11	-52.50	-21.20	-31.30
2412MHz	Pass	5G	7G	PK	5.4085G	5.61	-68.00	-64.72	-63.05	-57.44	-21.20	-36.24
2412MHz	Pass	7G	8G	PK	7.468G	5.61	-63.03	-64.54	-60.71	-55.10	-21.20	-33.90
2412MHz	Pass	8G	25G	PK	22.14028G	5.61	-61.44	-58.99	-57.03	-51.42	-21.20	-30.22
2437MHz	Pass	3.1G	4G	AV	3.97255G	5.61	-78.01	-77.97	-74.98	-69.37	-41.20	-28.17
2437MHz	Pass	4G	5G	AV	4.876G	5.61	-70.64	-70.11	-67.36	-61.75	-41.20	-20.55
2437MHz	Pass	5G	7G	AV	5.443G	5.61	-77.01	-76.13	-73.54	-67.93	-41.20	-26.73
2437MHz	Pass	7G	8G	AV	7.3115G	5.61	-73.76	-71.71	-69.60	-63.99	-41.20	-22.79
2437MHz	Pass	8G	25G	AV	22.12966G	5.61	-68.46	-68.00	-65.21	-59.60	-41.20	-18.40
2437MHz	Pass	3.1G	4G	PK	3.94915G	5.61	-66.45	-69.04	-64.54	-58.93	-21.20	-37.73
2437MHz	Pass	4G	5G	PK	4.873G	5.61	-60.52	-60.32	-57.41	-51.80	-21.20	-30.60
2437MHz	Pass	5G	7G	PK	5.3785G	5.61	-67.39	-64.63	-62.78	-57.17	-21.20	-35.97
2437MHz	Pass	7G	8G	PK	7.311G	5.61	-64.88	-59.17	-58.14	-52.53	-21.20	-31.33
2437MHz	Pass	8G	25G	PK	22.12806G	5.61	-59.49	-60.62	-57.01	-51.40	-21.20	-30.20
2462MHz	Pass	3.1G	4G	AV	3.99685G	5.61	-78.08	-78.02	-75.04	-69.43	-41.20	-28.23

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	4G	5G	AV	4.924G	5.61	-71.78	-72.46	-69.10	-63.49	-41.20	-22.29
2462MHz	Pass	5G	7G	AV	5.4135G	5.61	-76.59	-76.70	-73.63	-68.02	-41.20	-26.82
2462MHz	Pass	7G	8G	AV	7.3835G	5.61	-73.63	-73.26	-70.43	-64.82	-41.20	-23.62
2462MHz	Pass	8G	25G	AV	22.13125G	5.61	-68.56	-68.56	-65.55	-59.94	-41.20	-18.74
2462MHz	Pass	3.1G	4G	PK	3.7417G	5.61	-68.84	-66.63	-64.59	-58.98	-21.20	-37.78
2462MHz	Pass	4G	5G	PK	4.9235G	5.61	-63.29	-61.17	-59.09	-53.48	-21.20	-32.28
2462MHz	Pass	5G	7G	PK	5.398G	5.61	-68.21	-65.00	-63.30	-57.69	-21.20	-36.49
2462MHz	Pass	7G	8G	PK	7.483G	5.61	-62.64	-62.33	-59.47	-53.86	-21.20	-32.66
2462MHz	Pass	8G	25G	PK	22.12966G	5.61	-60.50	-59.44	-56.93	-51.32	-21.20	-30.12
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	3.1G	4G	AV	3.98425G	5.61	-78.27	-77.75	-74.99	-69.38	-41.20	-28.18
2422MHz	Pass	4G	5G	AV	4.8435G	5.61	-73.01	-71.84	-69.38	-63.77	-41.20	-22.57
2422MHz	Pass	5G	7G	AV	5.439G	5.61	-76.37	-76.90	-73.62	-68.01	-41.20	-26.81
2422MHz	Pass	7G	8G	AV	7.4975G	5.61	-73.26	-73.46	-70.35	-64.74	-41.20	-23.54
2422MHz	Pass	8G	25G	AV	22.15091G	5.61	-68.32	-68.82	-65.55	-59.94	-41.20	-18.74
2422MHz	Pass	3.1G	4G	PK	3.99415G	5.61	-66.93	-67.72	-64.30	-58.69	-21.20	-37.49
2422MHz	Pass	4G	5G	PK	4.8355G	5.61	-65.76	-60.76	-59.57	-53.96	-21.20	-32.76
2422MHz	Pass	5G	7G	PK	5.404G	5.61	-68.76	-64.49	-63.11	-57.50	-21.20	-36.30
2422MHz	Pass	7G	8G	PK	7.49G	5.61	-64.65	-62.68	-60.54	-54.93	-21.20	-33.73
2422MHz	Pass	8G	25G	PK	22.17056G	5.61	-58.47	-60.43	-56.33	-50.72	-21.20	-29.52
2437MHz	Pass	3.1G	4G	AV	3.9802G	5.61	-77.78	-78.00	-74.88	-69.27	-41.20	-28.07
2437MHz	Pass	4G	5G	AV	4.8705G	5.61	-72.85	-68.94	-67.46	-61.85	-41.20	-20.65
2437MHz	Pass	5G	7G	AV	5.452G	5.61	-76.45	-76.80	-73.61	-68.00	-41.20	-26.80
2437MHz	Pass	7G	8G	AV	7.4995G	5.61	-73.78	-73.40	-70.58	-64.97	-41.20	-23.77
2437MHz	Pass	8G	25G	AV	22.15622G	5.61	-68.35	-68.29	-65.31	-59.70	-41.20	-18.50
2437MHz	Pass	3.1G	4G	PK	3.95185G	5.61	-68.24	-66.47	-64.26	-58.65	-21.20	-37.45
2437MHz	Pass	4G	5G	PK	4.875G	5.61	-65.18	-57.05	-56.43	-50.82	-21.20	-29.62
2437MHz	Pass	5G	7G	PK	5.4545G	5.61	-66.64	-65.86	-63.22	-57.61	-21.20	-36.41
2437MHz	Pass	7G	8G	PK	7.4965G	5.61	-62.53	-63.63	-60.03	-54.42	-21.20	-33.22
2437MHz	Pass	8G	25G	PK	22.03616G	5.61	-59.49	-61.37	-57.32	-51.71	-21.20	-30.51
2452MHz	Pass	3.1G	4G	AV	3.98785G	5.61	-77.93	-77.80	-74.85	-69.24	-41.20	-28.04
2452MHz	Pass	4G	5G	AV	4.9055G	5.61	-75.84	-71.93	-70.45	-64.84	-41.20	-23.64
2452MHz	Pass	5G	7G	AV	5.439G	5.61	-76.28	-76.77	-73.51	-67.90	-41.20	-26.70
2452MHz	Pass	7G	8G	AV	7.495G	5.61	-73.81	-73.20	-70.48	-64.87	-41.20	-23.67
2452MHz	Pass	8G	25G	AV	22.12381G	5.61	-67.51	-68.89	-65.14	-59.53	-41.20	-18.33
2452MHz	Pass	3.1G	4G	PK	3.84745G	5.61	-66.82	-68.10	-64.40	-58.79	-21.20	-37.59
2452MHz	Pass	4G	5G	PK	4.8925G	5.61	-67.04	-60.68	-59.78	-54.17	-21.20	-32.97
2452MHz	Pass	5G	7G	PK	5.362G	5.61	-66.39	-66.97	-63.66	-58.05	-21.20	-36.85
2452MHz	Pass	7G	8G	PK	7.4825G	5.61	-62.49	-63.85	-60.11	-54.50	-21.20	-33.30
2452MHz	Pass	8G	25G	PK	22.11584G	5.61	-59.12	-60.40	-56.70	-51.09	-21.20	-29.89

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE [PK]**

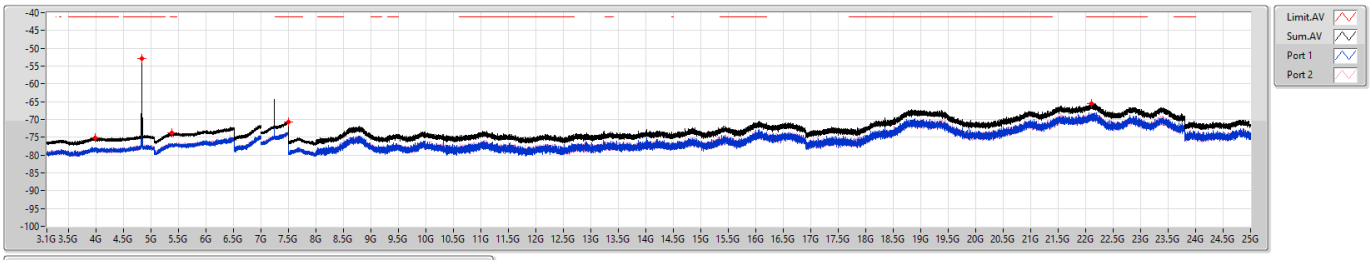
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.76465G	-65.05	-67.37	-68.89
4G	5G	1M	PK	4.824G	-51.44	-53.00	-56.64
5G	7G	1M	PK	5.4085G	-63.27	-65.68	-66.98
7G	8G	1M	PK	7.473G	-61.03	-63.03	-65.36
8G	25G	1M	PK	22.18278G	-57.17	-61.78	-59.02

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE [AV]**

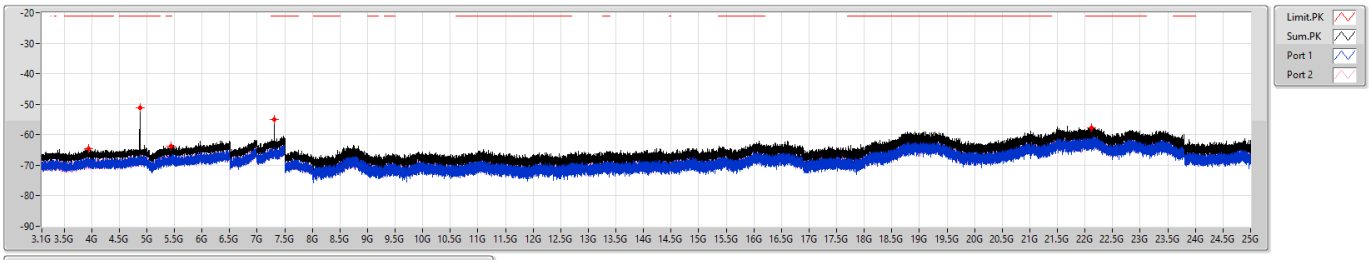
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9847G	-75.12	-77.97	-78.30
4G	5G	1M	AV	4.824G	-52.97	-54.32	-58.71
5G	7G	1M	AV	5.3765G	-73.75	-76.69	-76.83
7G	8G	1M	AV	7.496G	-70.63	-73.67	-73.61
8G	25G	1M	AV	22.11159G	-65.49	-68.86	-68.17

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE [PK]**

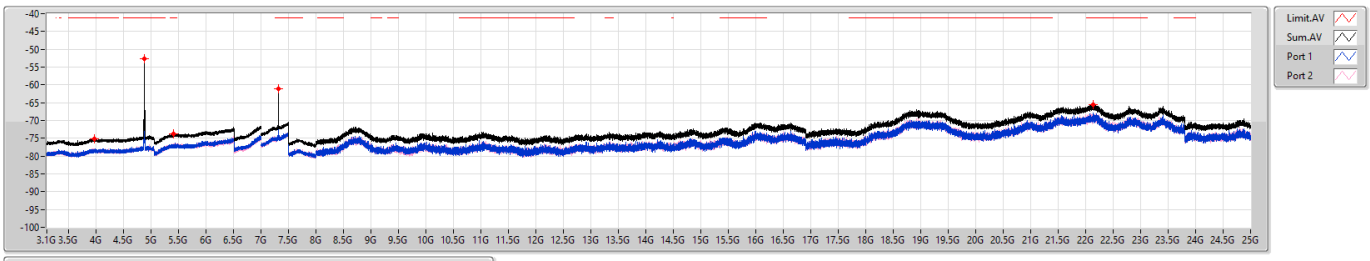
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.95275G	-64.48	-66.09	-69.57
4G	5G	1M	PK	4.874G	-51.04	-52.93	-55.57
5G	7G	1M	PK	5.4335G	-63.62	-65.49	-68.19
7G	8G	1M	PK	7.3125G	-55.08	-58.15	-58.03
8G	25G	1M	PK	22.11106G	-57.60	-60.94	-60.30

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE [AV]**

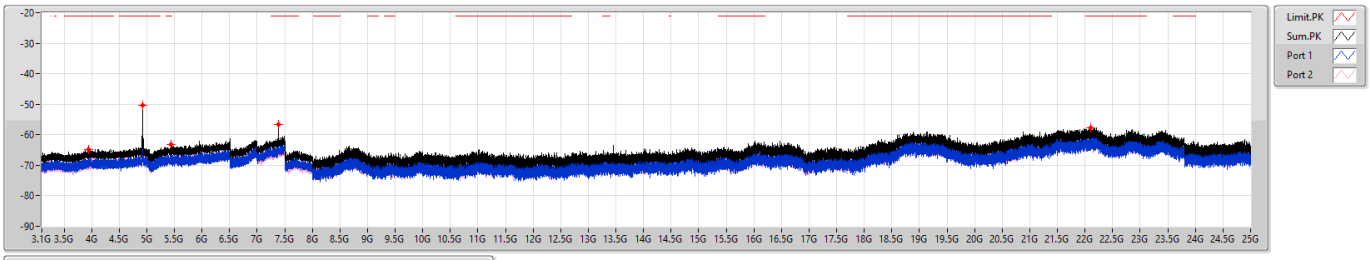
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.95905G	-75.12	-78.25	-78.02
4G	5G	1M	AV	4.874G	-52.61	-54.42	-57.28
5G	7G	1M	AV	5.4015G	-73.70	-76.69	-76.74
7G	8G	1M	AV	7.312G	-61.17	-64.35	-64.02
8G	25G	1M	AV	22.13284G	-65.49	-67.93	-69.16

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE [PK]**

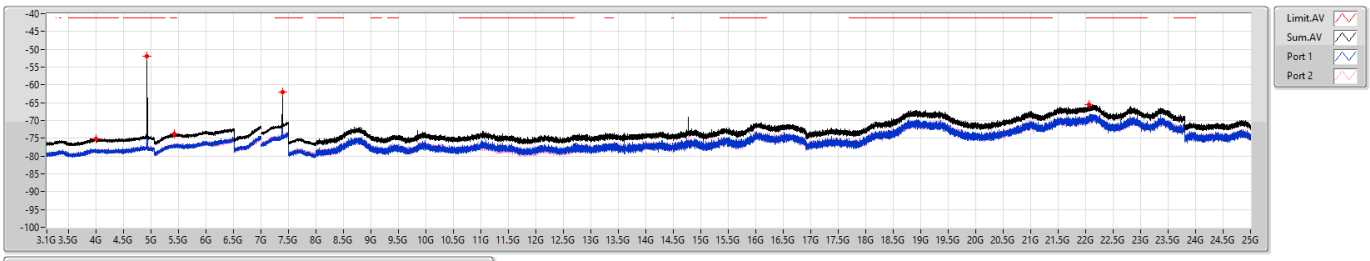
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9415G	-64.71	-67.13	-68.41
4G	5G	1M	PK	4.924G	-50.28	-52.51	-54.25
5G	7G	1M	PK	5.4365G	-63.12	-66.51	-65.78
7G	8G	1M	PK	7.385G	-56.66	-59.65	-59.69
8G	25G	1M	PK	22.09459G	-57.81	-59.81	-62.15

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSE [AV]**

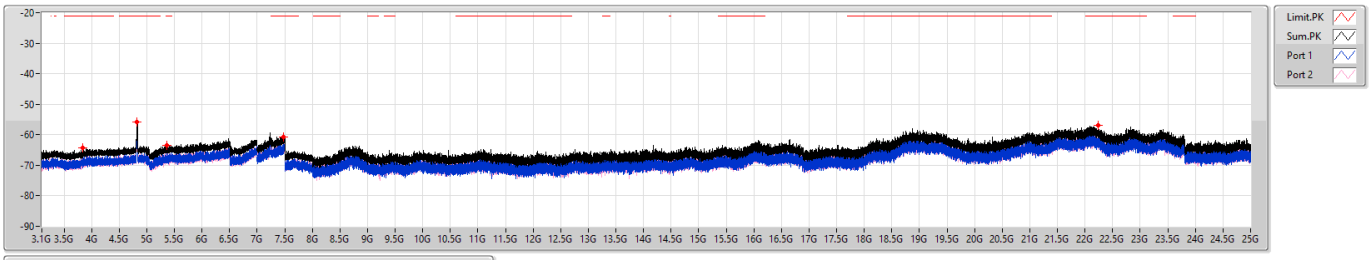
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.99865G	-75.15	-78.48	-77.86
4G	5G	1M	AV	4.924G	-51.85	-54.16	-55.69
5G	7G	1M	AV	5.424G	-73.67	-76.79	-76.58
7G	8G	1M	AV	7.385G	-62.06	-65.30	-64.85
8G	25G	1M	AV	22.06378G	-65.56	-68.52	-68.62

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

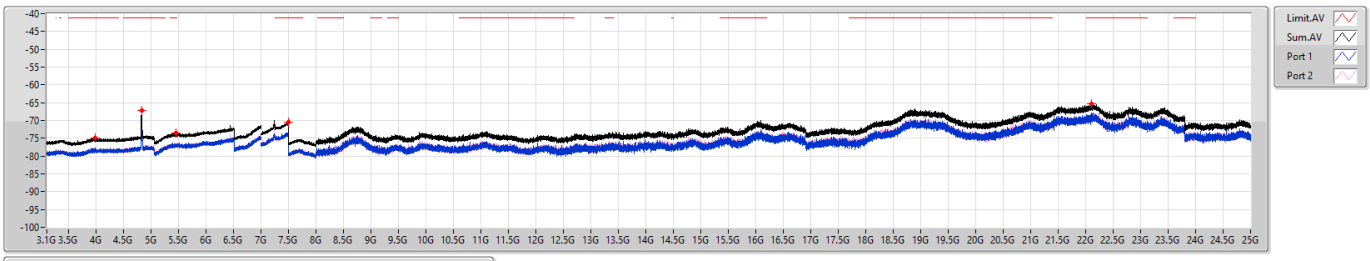
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.8335G	-64.39	-67.87	-66.98
4G	5G	1M	PK	4.828G	-55.95	-60.49	-57.83
5G	7G	1M	PK	5.3635G	-63.56	-68.59	-65.20
7G	8G	1M	PK	7.48G	-60.63	-63.00	-64.38
8G	25G	1M	PK	22.23697G	-57.04	-60.96	-59.30

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

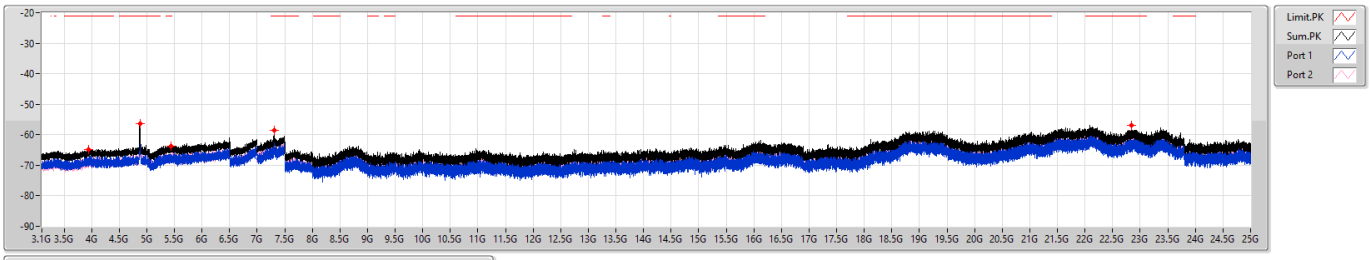
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9856G	-74.81	-77.75	-77.90
4G	5G	1M	AV	4.823G	-67.12	-71.29	-69.21
5G	7G	1M	AV	5.456G	-73.57	-76.74	-76.43
7G	8G	1M	AV	7.4995G	-70.57	-73.33	-73.85
8G	25G	1M	AV	22.10522G	-65.22	-67.87	-68.63

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

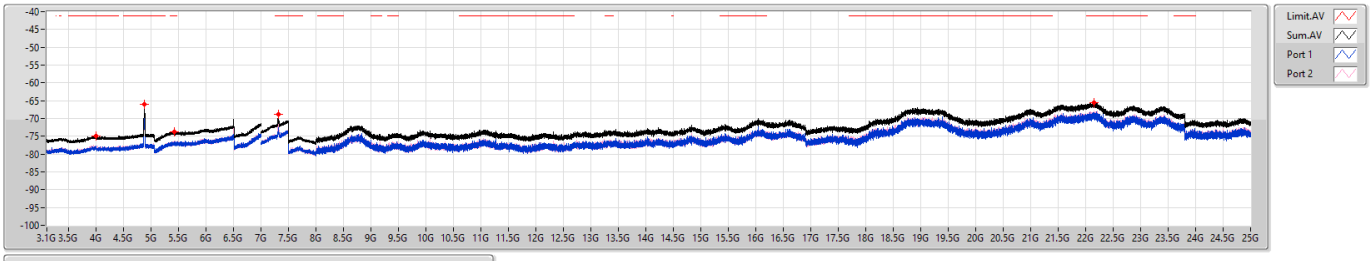
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9442G	-64.78	-68.03	-67.56
4G	5G	1M	PK	4.8765G	-56.26	-60.67	-58.22
5G	7G	1M	PK	5.4455G	-63.65	-66.46	-66.87
7G	8G	1M	PK	7.3175G	-58.58	-64.73	-59.79
8G	25G	1M	PK	22.84631G	-56.86	-62.17	-58.37

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

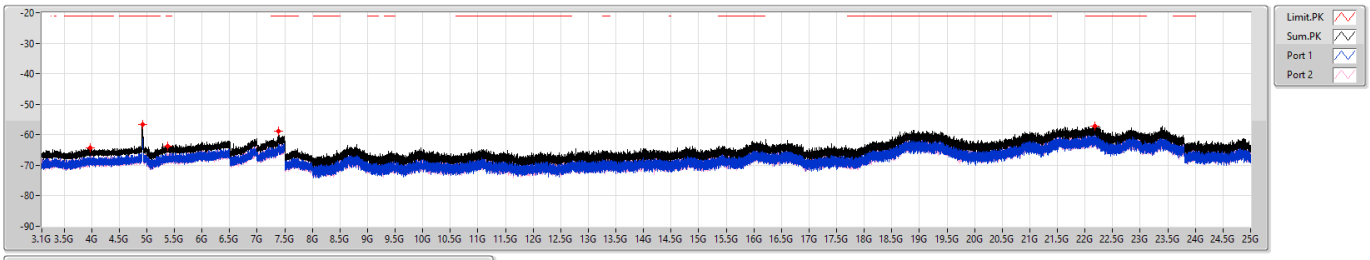
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.99235G	-74.85	-77.72	-78.00
4G	5G	1M	AV	4.873G	-65.99	-69.61	-68.46
5G	7G	1M	AV	5.423G	-73.72	-77.04	-76.44
7G	8G	1M	AV	7.313G	-68.84	-72.57	-71.23
8G	25G	1M	AV	22.15569G	-65.46	-68.37	-68.58

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE [PK]**

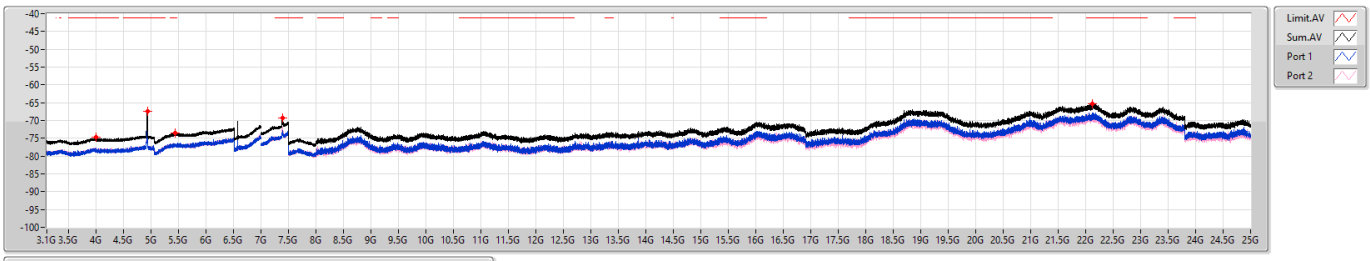
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9748G	-64.33	-66.35	-68.62
4G	5G	1M	PK	4.927G	-56.64	-61.89	-58.18
5G	7G	1M	PK	5.386G	-63.67	-67.62	-65.91
7G	8G	1M	PK	7.388G	-58.81	-64.83	-60.06
8G	25G	1M	PK	22.18066G	-57.29	-59.98	-60.64

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSE [AV]**

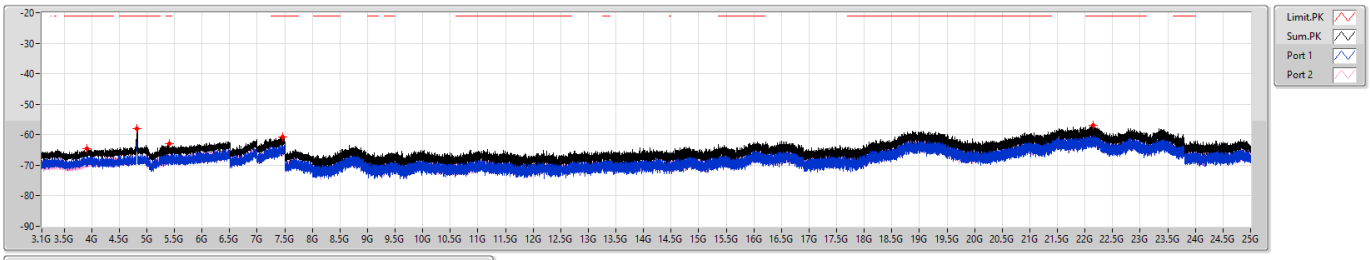
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9883G	-74.79	-77.80	-77.80
4G	5G	1M	AV	4.927G	-67.47	-71.61	-69.58
5G	7G	1M	AV	5.43G	-73.62	-76.52	-76.74
7G	8G	1M	AV	7.3875G	-69.31	-72.85	-71.85
8G	25G	1M	AV	22.12116G	-65.24	-67.78	-68.77

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE [PK]**

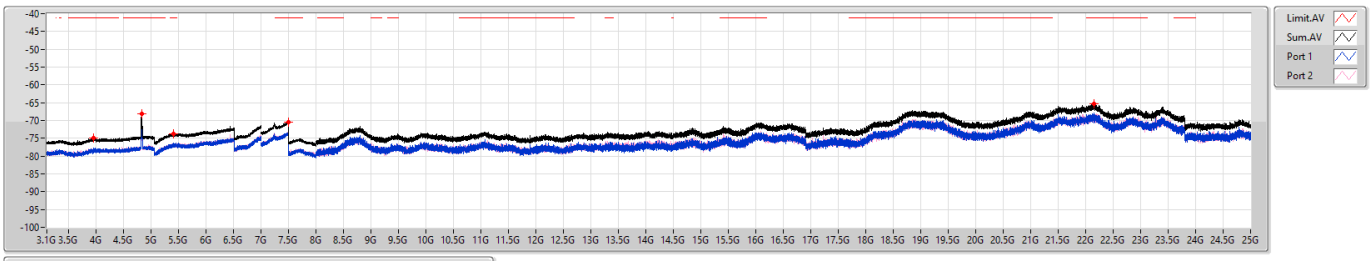
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.91G	-64.69	-66.97	-68.57
4G	5G	1M	PK	4.826G	-58.11	-62.74	-59.94
5G	7G	1M	PK	5.4085G	-63.05	-68.00	-64.72
7G	8G	1M	PK	7.468G	-60.71	-63.03	-64.54
8G	25G	1M	PK	22.14028G	-57.03	-61.44	-58.99

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE [AV]**

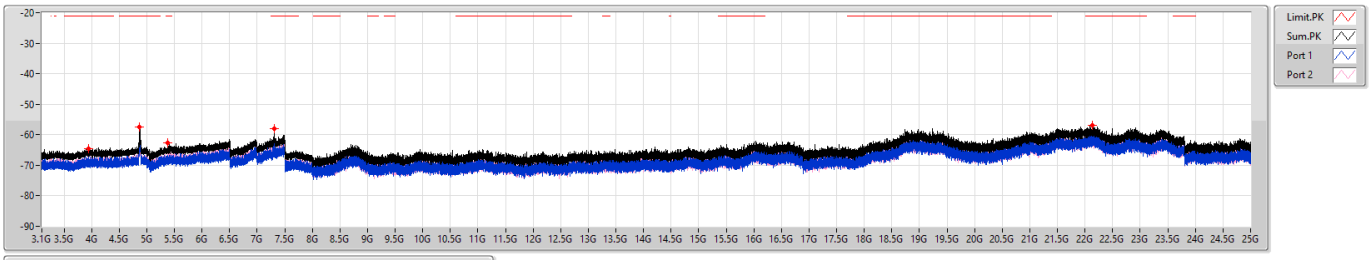
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.94825G	-74.96	-77.78	-78.16
4G	5G	1M	AV	4.824G	-68.03	-70.91	-71.17
5G	7G	1M	AV	5.407G	-73.65	-77.08	-76.28
7G	8G	1M	AV	7.499G	-70.48	-73.77	-73.23
8G	25G	1M	AV	22.15197G	-65.42	-67.89	-69.05

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE [PK]**

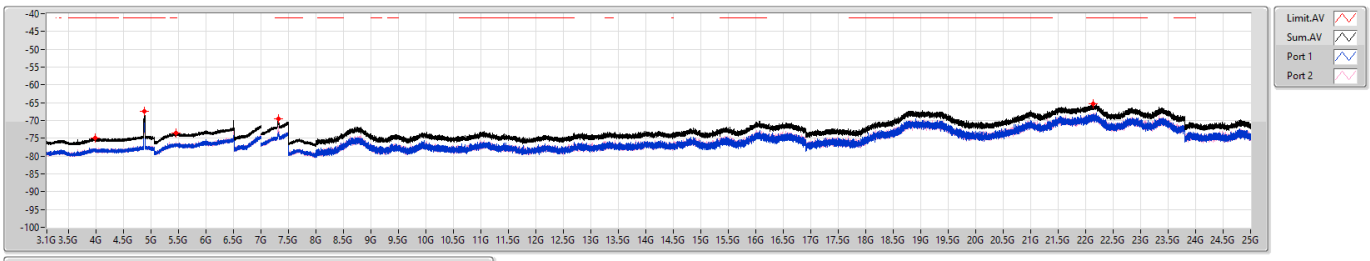
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.94915G	-64.54	-66.45	-69.04
4G	5G	1M	PK	4.873G	-57.41	-60.52	-60.32
5G	7G	1M	PK	5.3785G	-62.78	-67.39	-64.63
7G	8G	1M	PK	7.311G	-58.14	-64.88	-59.17
8G	25G	1M	PK	22.12806G	-57.01	-59.49	-60.62

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE [AV]**

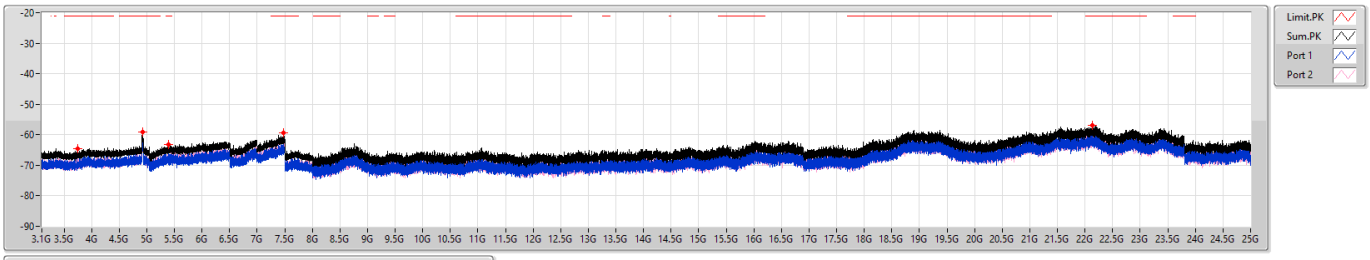
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.97255G	-74.98	-78.01	-77.97
4G	5G	1M	AV	4.876G	-67.36	-70.64	-70.11
5G	7G	1M	AV	5.443G	-73.54	-77.01	-76.13
7G	8G	1M	AV	7.3115G	-69.60	-73.76	-71.71
8G	25G	1M	AV	22.12966G	-65.21	-68.46	-68.00

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE [PK]**

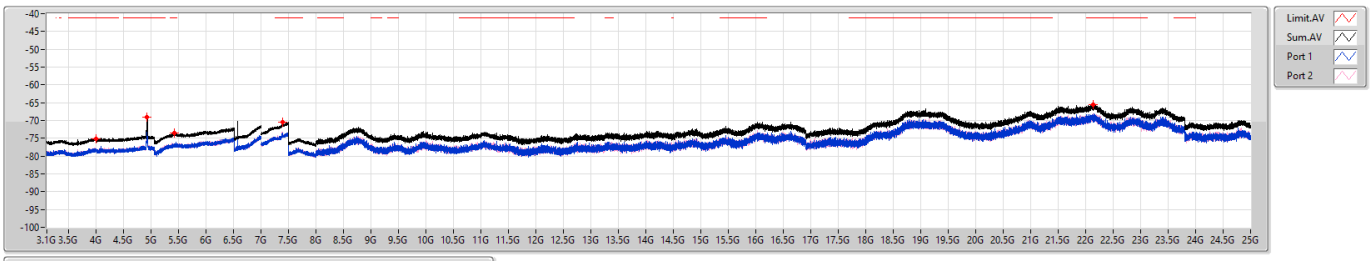
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.7417G	-64.59	-68.84	-66.63
4G	5G	1M	PK	4.9235G	-59.09	-63.29	-61.17
5G	7G	1M	PK	5.398G	-63.30	-68.21	-65.00
7G	8G	1M	PK	7.483G	-59.47	-62.64	-62.33
8G	25G	1M	PK	22.12966G	-56.93	-60.50	-59.44

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSE [AV]**

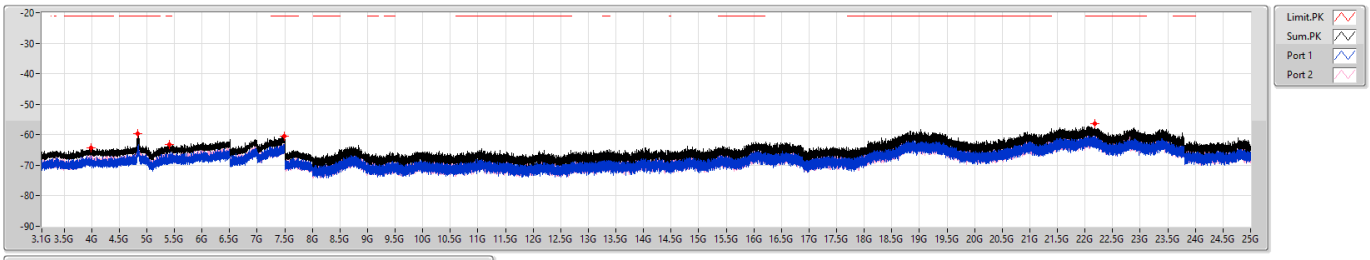
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.99685G	-75.04	-78.08	-78.02
4G	5G	1M	AV	4.924G	-69.10	-71.78	-72.46
5G	7G	1M	AV	5.4135G	-73.63	-76.59	-76.70
7G	8G	1M	AV	7.3835G	-70.43	-73.63	-73.26
8G	25G	1M	AV	22.13125G	-65.55	-68.56	-68.56

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE [PK]**

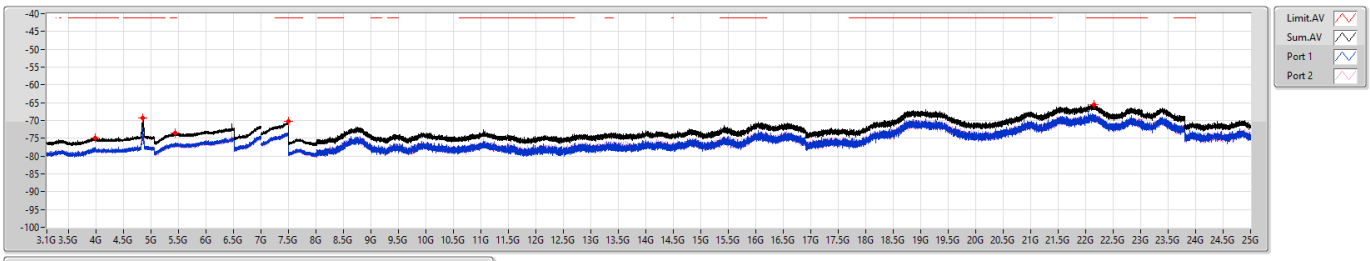
2422MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.99415G	-64.30	-66.93	-67.72
4G	5G	1M	PK	4.8355G	-59.57	-65.76	-60.76
5G	7G	1M	PK	5.404G	-63.11	-68.76	-64.49
7G	8G	1M	PK	7.49G	-60.54	-64.65	-62.68
8G	25G	1M	PK	22.17056G	-56.33	-58.47	-60.43

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE [AV]**

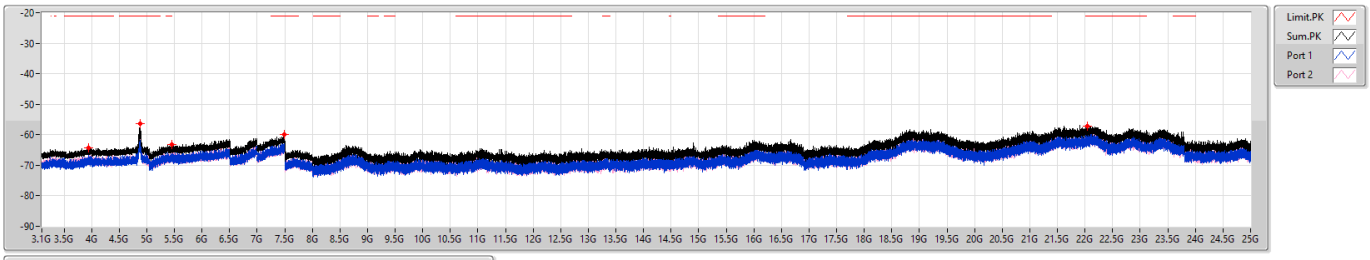
2422MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.98425G	-74.99	-78.27	-77.75
4G	5G	1M	AV	4.8435G	-69.38	-73.01	-71.84
5G	7G	1M	AV	5.439G	-73.62	-76.37	-76.90
7G	8G	1M	AV	7.4975G	-70.35	-73.26	-73.46
8G	25G	1M	AV	22.15091G	-65.55	-68.32	-68.82

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE [PK]**

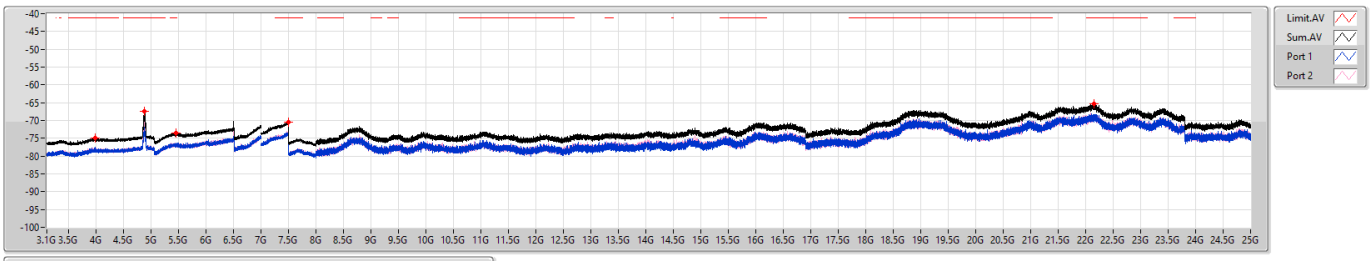
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.95185G	-64.26	-68.24	-66.47
4G	5G	1M	PK	4.875G	-56.43	-65.18	-57.05
5G	7G	1M	PK	5.4545G	-63.22	-66.64	-65.86
7G	8G	1M	PK	7.4965G	-60.03	-62.53	-63.63
8G	25G	1M	PK	22.03616G	-57.32	-59.49	-61.37

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE [AV]**

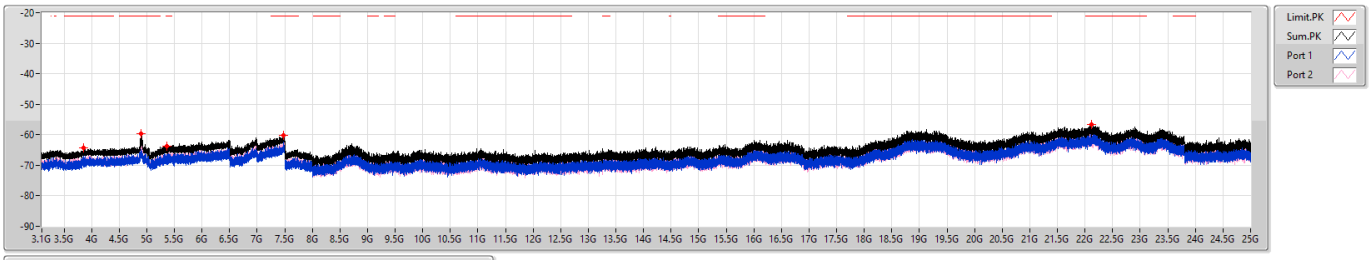
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9802G	-74.88	-77.78	-78.00
4G	5G	1M	AV	4.8705G	-67.46	-72.85	-68.94
5G	7G	1M	AV	5.452G	-73.61	-76.45	-76.80
7G	8G	1M	AV	7.4995G	-70.58	-73.78	-73.40
8G	25G	1M	AV	22.15622G	-65.31	-68.35	-68.29

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE [PK]**

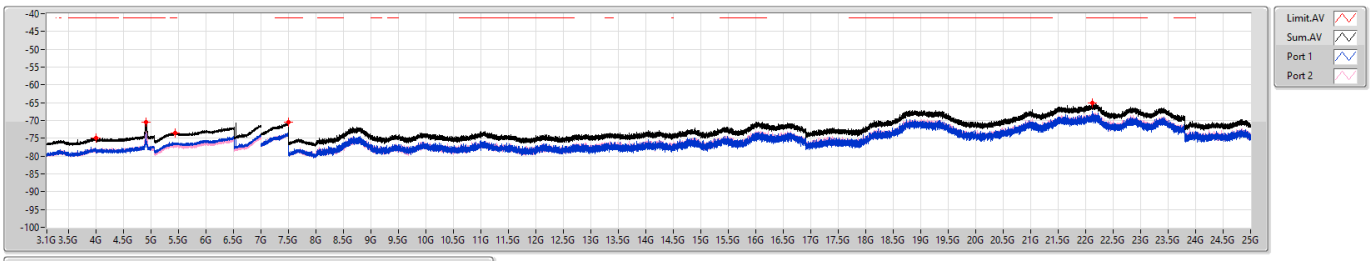
2452MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.84745G	-64.40	-66.82	-68.10
4G	5G	1M	PK	4.8925G	-59.78	-67.04	-60.68
5G	7G	1M	PK	5.362G	-63.66	-66.39	-66.97
7G	8G	1M	PK	7.4825G	-60.11	-62.49	-63.85
8G	25G	1M	PK	22.11584G	-56.70	-59.12	-60.40

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSE [AV]**

2452MHz

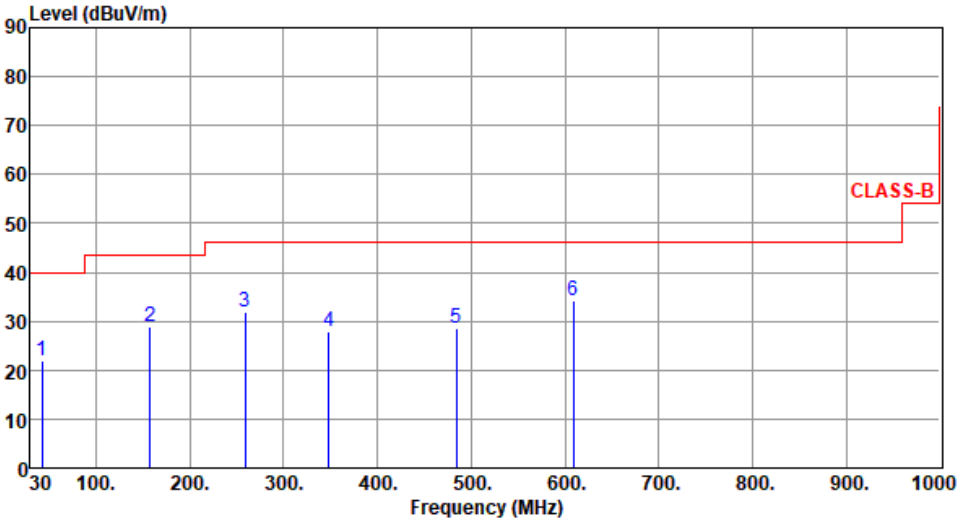


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.98785G	-74.85	-77.93	-77.80
4G	5G	1M	AV	4.9055G	-70.45	-75.84	-71.93
5G	7G	1M	AV	5.439G	-73.51	-76.28	-76.77
7G	8G	1M	AV	7.495G	-70.48	-73.81	-73.20
8G	25G	1M	AV	22.12381G	-65.14	-67.51	-68.89

Unwanted Emissions (Below 1GHz)

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Paul Lin Temperature(℃):25 Humidity(%):63

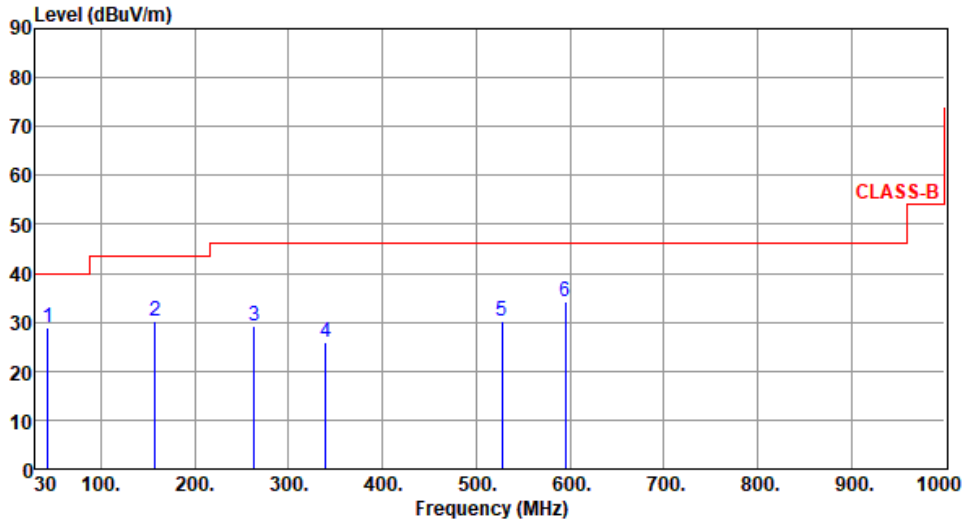


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	42.61	21.76	40.00	-18.24	30.15	-8.39	Peak	---	---
2	158.04	28.81	43.50	-14.69	37.45	-8.64	Peak	---	---
3	258.92	31.72	46.00	-14.28	41.30	-9.58	Peak	---	---
4	348.16	27.96	46.00	-18.04	34.99	-7.03	Peak	---	---
5	483.96	28.52	46.00	-17.48	31.88	-3.36	Peak	---	---
6	609.09	34.22	46.00	-11.78	34.58	-0.36	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):25 Humidity(%):63



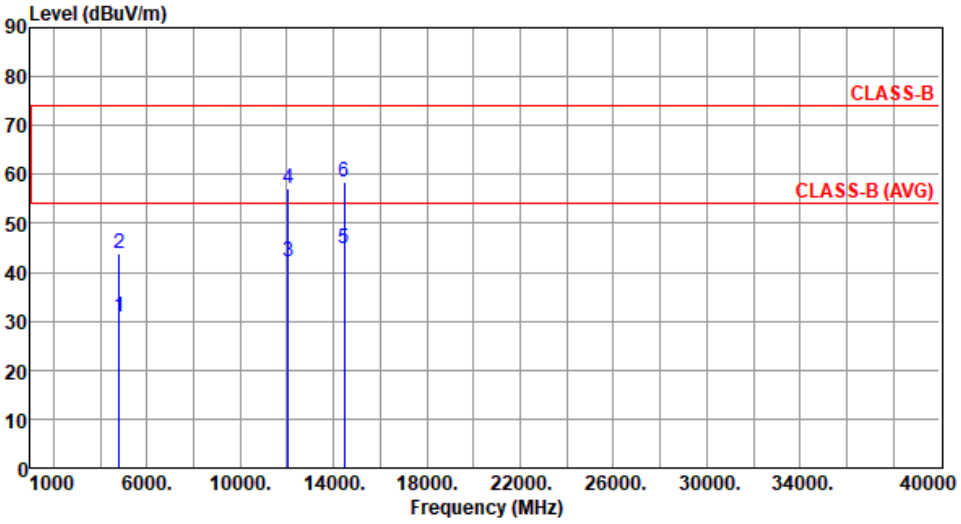
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	43.58	28.81	40.00	-11.19	37.22	-8.41	Peak	---	---
2	158.04	30.27	43.50	-13.23	38.91	-8.64	Peak	---	---
3	263.77	29.13	46.00	-16.87	38.48	-9.35	Peak	---	---
4	339.43	25.99	46.00	-20.01	33.05	-7.06	Peak	---	---
5	527.61	30.08	46.00	-15.92	32.63	-2.55	Peak	---	---
6	595.51	34.32	46.00	-11.68	35.11	-0.79	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Unwanted Emission (Above 1GHz) for 11b

Modulation	11b	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

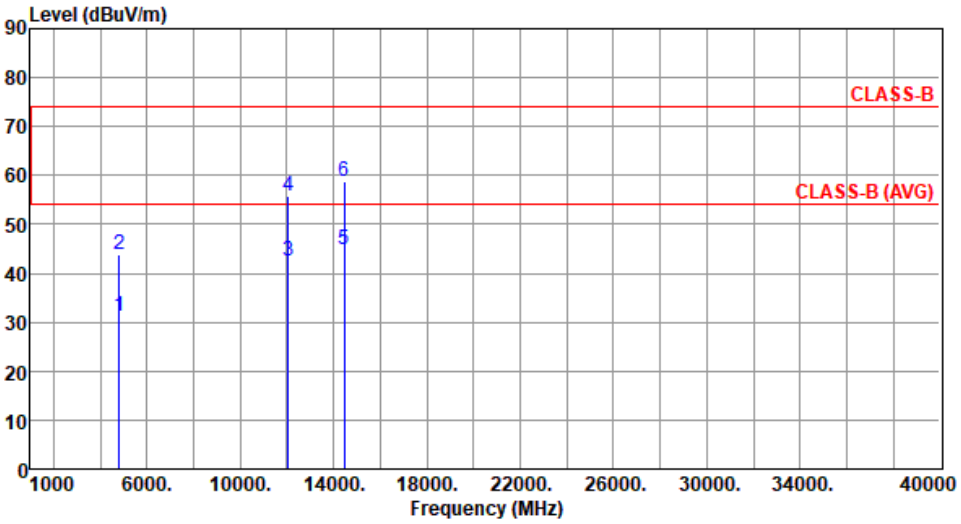


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	30.99	54.00	-23.01	31.40	-0.41	Average	100	83
2	4824.00	43.78	74.00	-30.22	44.19	-0.41	Peak	100	83
3	12060.00	42.22	54.00	-11.78	35.96	6.26	Average	100	169
4	12060.00	57.18	74.00	-16.82	50.92	6.26	Peak	100	169
5	14472.00	44.94	54.00	-9.06	37.84	7.10	Average	100	214
6	14472.00	58.48	74.00	-15.52	51.38	7.10	Peak	100	214

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

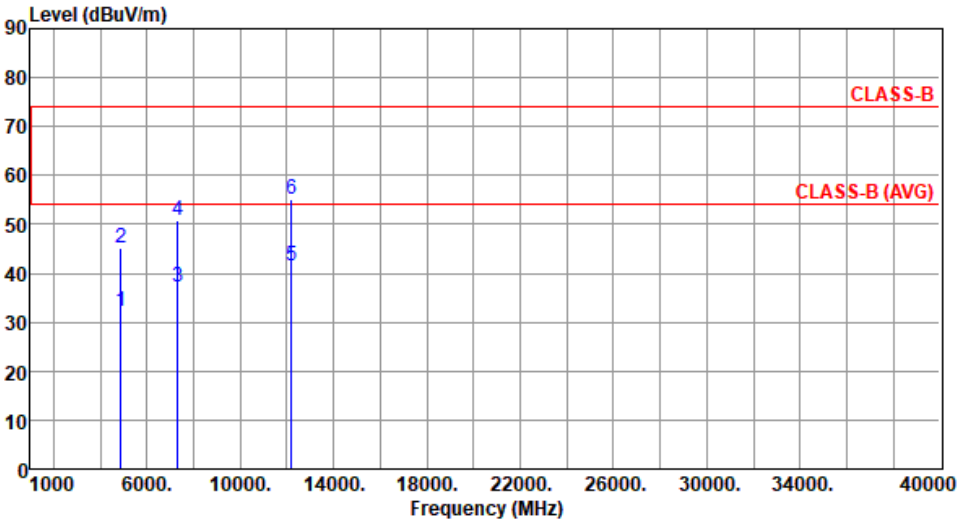


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	31.08	54.00	-22.92	31.49	-0.41	Average	100	144
2	4824.00	43.86	74.00	-30.14	44.27	-0.41	Peak	100	144
3	12060.00	42.43	54.00	-11.57	36.17	6.26	Average	100	319
4	12060.00	55.81	74.00	-18.19	49.55	6.26	Peak	100	319
5	14472.00	44.89	54.00	-9.11	37.79	7.10	Average	100	117
6	14472.00	58.64	74.00	-15.36	51.54	7.10	Peak	100	117

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

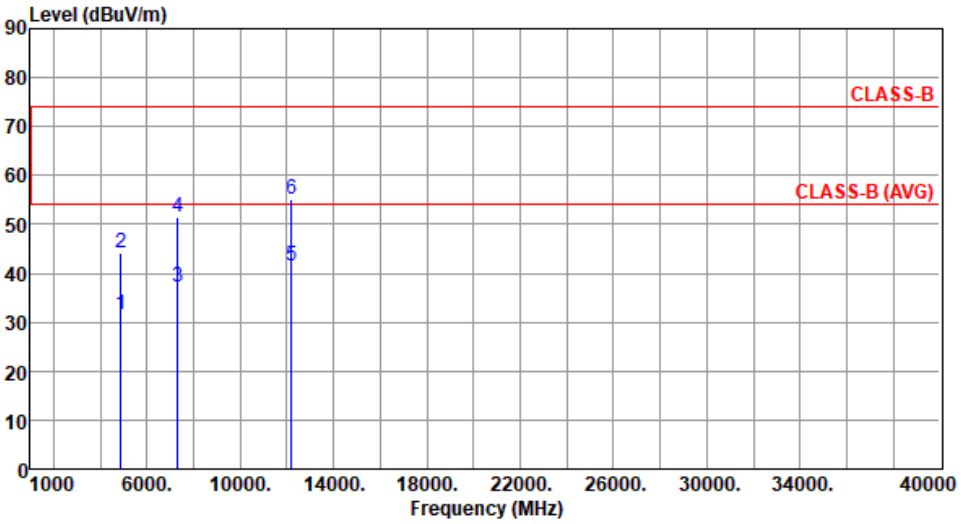


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	32.07	54.00	-21.93	32.57	-0.50	Average	252	341
2	4874.00	45.15	74.00	-28.85	45.65	-0.50	Peak	252	341
3	7311.00	37.35	54.00	-16.65	32.19	5.16	Average	100	53
4	7311.00	50.82	74.00	-23.18	45.66	5.16	Peak	100	53
5	12185.00	41.51	54.00	-12.49	35.12	6.39	Average	100	215
6	12185.00	55.27	74.00	-18.73	48.88	6.39	Peak	100	215

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

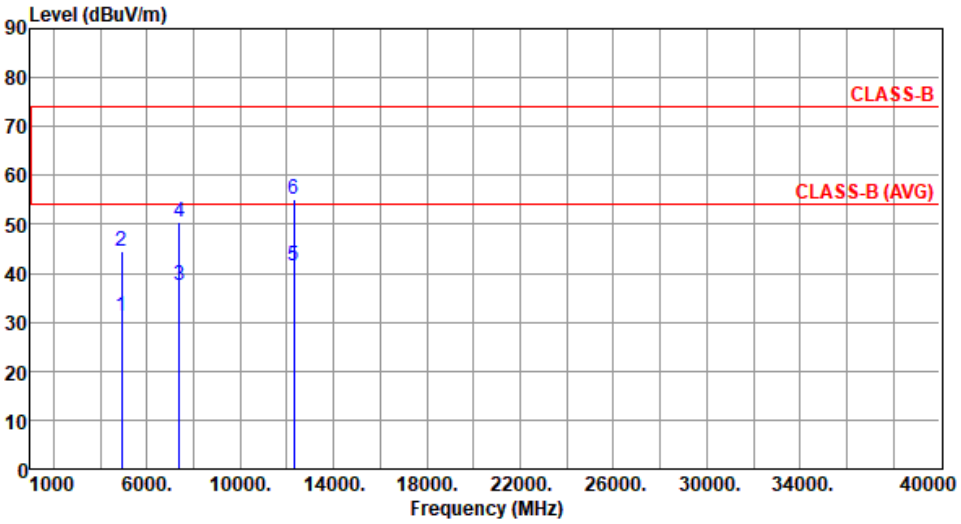


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	31.45	54.00	-22.55	31.95	-0.50	Average	124	27
2	4874.00	44.04	74.00	-29.96	44.54	-0.50	Peak	124	27
3	7311.00	37.19	54.00	-16.81	32.03	5.16	Average	100	159
4	7311.00	51.34	74.00	-22.66	46.18	5.16	Peak	100	159
5	12185.00	41.59	54.00	-12.41	35.20	6.39	Average	100	186
6	12185.00	55.15	74.00	-18.85	48.76	6.39	Peak	100	186

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

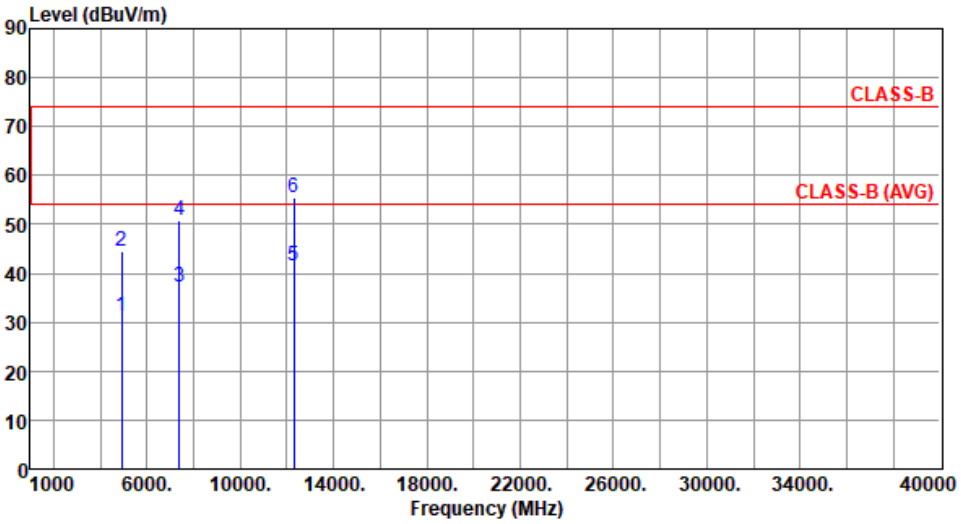


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	31.13	54.00	-22.87	31.57	-0.44	Average	100	103
2	4924.00	44.61	74.00	-29.39	45.05	-0.44	Peak	100	103
3	7386.00	37.49	54.00	-16.51	32.46	5.03	Average	100	91
4	7386.00	50.53	74.00	-23.47	45.50	5.03	Peak	100	91
5	12310.00	41.38	54.00	-12.62	35.27	6.11	Average	100	113
6	12310.00	55.23	74.00	-18.77	49.12	6.11	Peak	100	113

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65



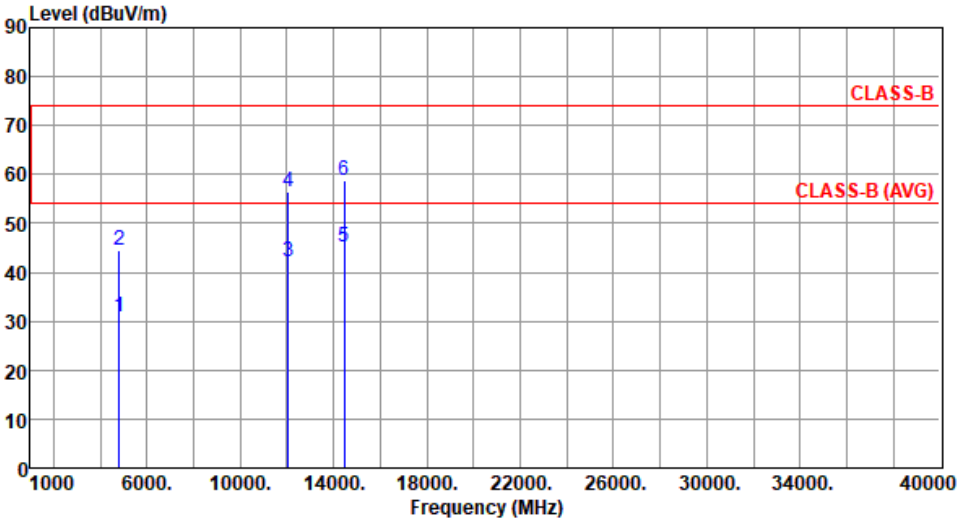
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	31.38	54.00	-22.62	31.82	-0.44	Average	100	29
2	4924.00	44.49	74.00	-29.51	44.93	-0.44	Peak	100	29
3	7386.00	37.12	54.00	-16.88	32.09	5.03	Average	100	29
4	7386.00	50.95	74.00	-23.05	45.92	5.03	Peak	100	29
5	12310.00	41.44	54.00	-12.56	35.33	6.11	Average	100	203
6	12310.00	55.32	74.00	-18.68	49.21	6.11	Peak	100	203

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Unwanted Emissions (Above 1GHz) for 11g

Modulation	11g	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

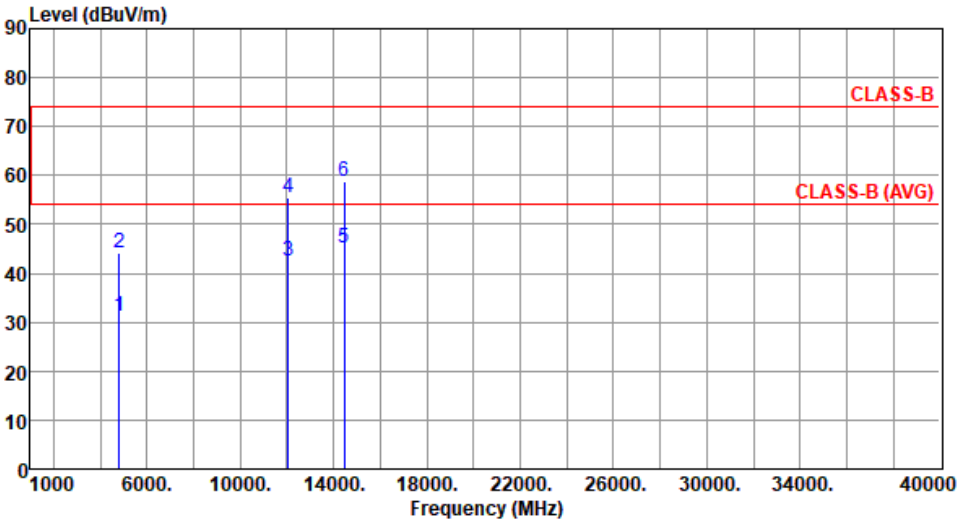


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	30.94	54.00	-23.06	31.35	-0.41	Average	100	62
2	4824.00	44.47	74.00	-29.53	44.88	-0.41	Peak	100	62
3	12060.00	42.34	54.00	-11.66	36.08	6.26	Average	100	142
4	12060.00	56.31	74.00	-17.69	50.05	6.26	Peak	100	142
5	14472.00	45.13	54.00	-8.87	38.03	7.10	Average	100	214
6	14472.00	58.82	74.00	-15.18	51.72	7.10	Peak	100	214

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	**Test Freq. (MHz)**	2412
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

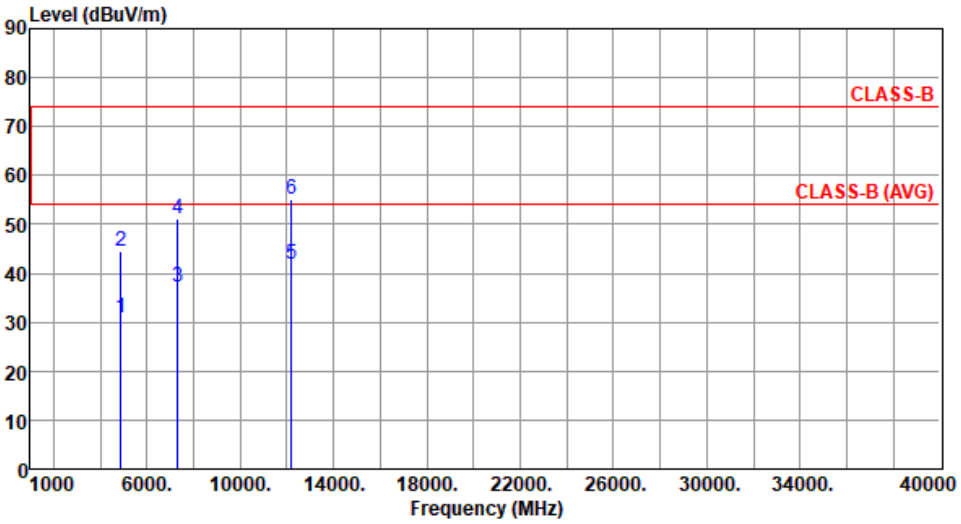


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	31.08	54.00	-22.92	31.49	-0.41	Average	100	263
2	4824.00	44.14	74.00	-29.86	44.55	-0.41	Peak	100	263
3	12060.00	42.37	54.00	-11.63	36.11	6.26	Average	100	36
4	12060.00	55.34	74.00	-18.66	49.08	6.26	Peak	100	36
5	14472.00	45.04	54.00	-8.96	37.94	7.10	Average	100	182
6	14472.00	58.74	74.00	-15.26	51.64	7.10	Peak	100	182

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

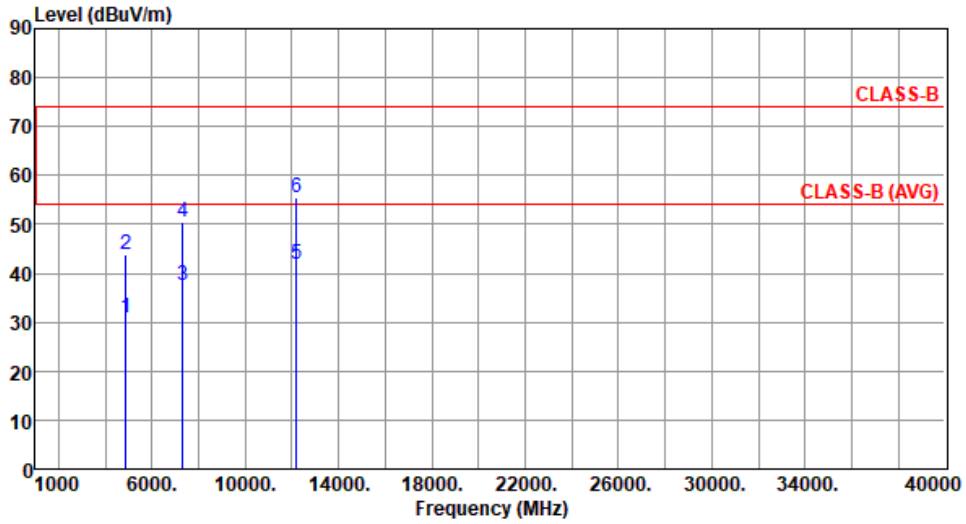


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	30.86	54.00	-23.14	31.36	-0.50	Average	100	50
2	4874.00	44.50	74.00	-29.50	45.00	-0.50	Peak	100	50
3	7311.00	37.19	54.00	-16.81	32.03	5.16	Average	100	182
4	7311.00	51.21	74.00	-22.79	46.05	5.16	Peak	100	182
5	12185.00	41.82	54.00	-12.18	35.43	6.39	Average	100	208
6	12185.00	55.23	74.00	-18.77	48.84	6.39	Peak	100	208

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

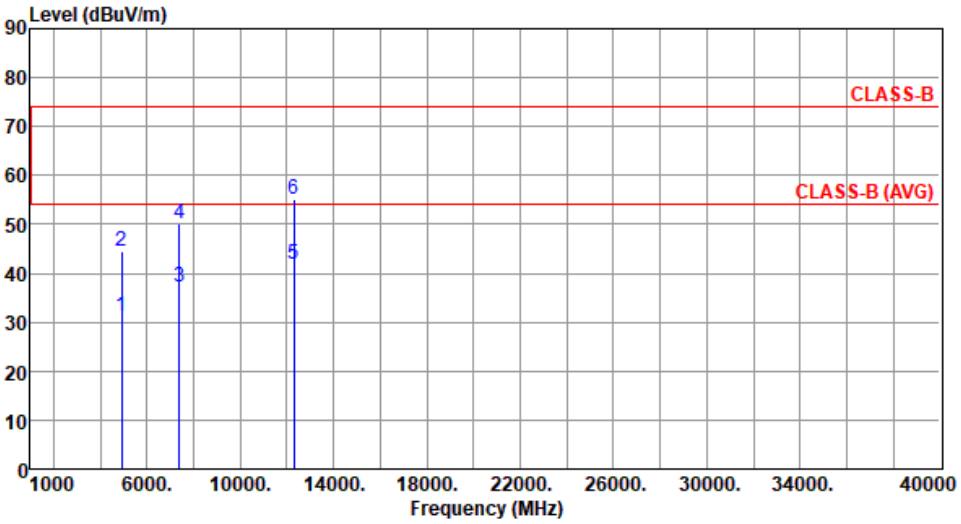


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	31.01	54.00	-22.99	31.51	-0.50	Average	100	104
2	4874.00	43.71	74.00	-30.29	44.21	-0.50	Peak	100	104
3	7311.00	37.52	54.00	-16.48	32.36	5.16	Average	100	173
4	7311.00	50.64	74.00	-23.36	45.48	5.16	Peak	100	173
5	12185.00	41.75	54.00	-12.25	35.36	6.39	Average	100	156
6	12185.00	55.60	74.00	-18.40	49.21	6.39	Peak	100	156

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

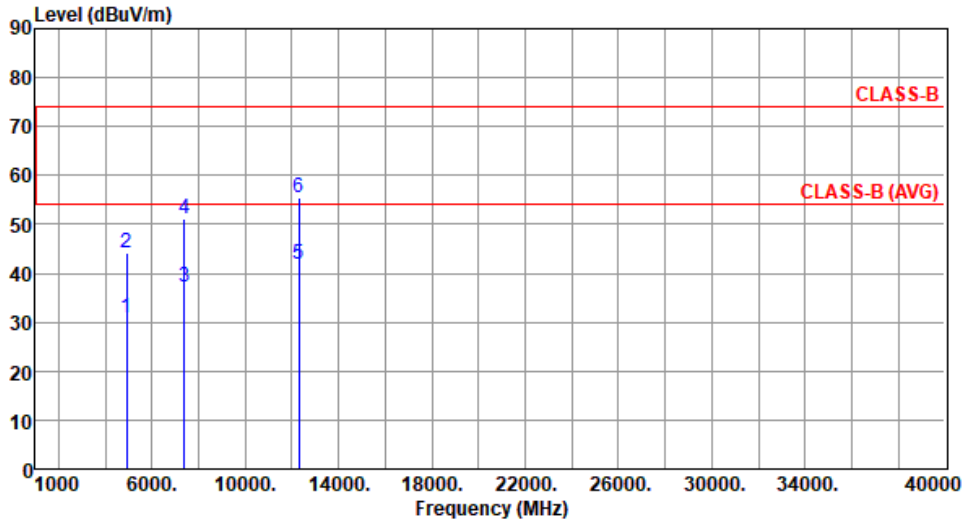


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	31.13	54.00	-22.87	31.57	-0.44	Average	100	170
2	4924.00	44.39	74.00	-29.61	44.83	-0.44	Peak	100	170
3	7386.00	37.15	54.00	-16.85	32.12	5.03	Average	100	209
4	7386.00	50.21	74.00	-23.79	45.18	5.03	Peak	100	209
5	12310.00	41.82	54.00	-12.18	35.71	6.11	Average	100	138
6	12310.00	55.21	74.00	-18.79	49.10	6.11	Peak	100	138

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65



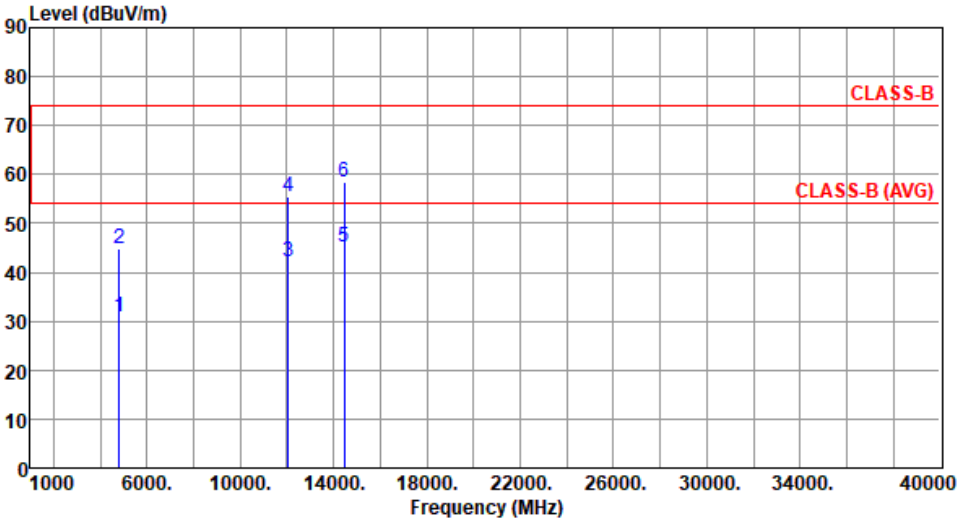
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	30.94	54.00	-23.06	31.38	-0.44	Average	100	166
2	4924.00	44.04	74.00	-29.96	44.48	-0.44	Peak	100	166
3	7386.00	37.29	54.00	-16.71	32.26	5.03	Average	100	166
4	7386.00	51.03	74.00	-22.97	46.00	5.03	Peak	100	166
5	12310.00	41.88	54.00	-12.12	35.77	6.11	Average	100	116
6	12310.00	55.36	74.00	-18.64	49.25	6.11	Peak	100	116

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Unwanted Emissions (Above 1GHz) for ax HE20-OFDMA

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2412
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

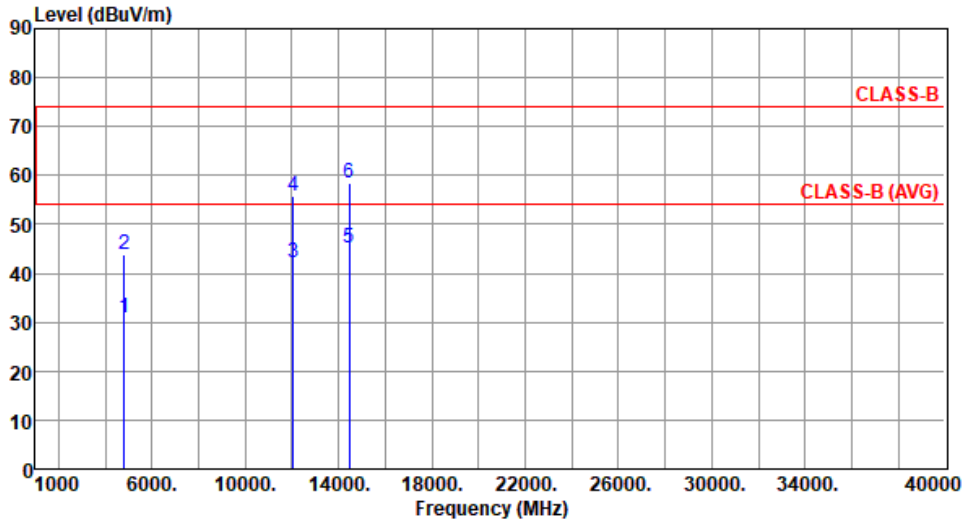


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	30.91	54.00	-23.09	31.32	-0.41	Average	100	132
2	4824.00	44.74	74.00	-29.26	45.15	-0.41	Peak	100	132
3	12060.00	42.29	54.00	-11.71	36.03	6.26	Average	100	312
4	12060.00	55.40	74.00	-18.60	49.14	6.26	Peak	100	312
5	14472.00	45.12	54.00	-8.88	38.02	7.10	Average	100	148
6	14472.00	58.49	74.00	-15.51	51.39	7.10	Peak	100	148

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2412
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

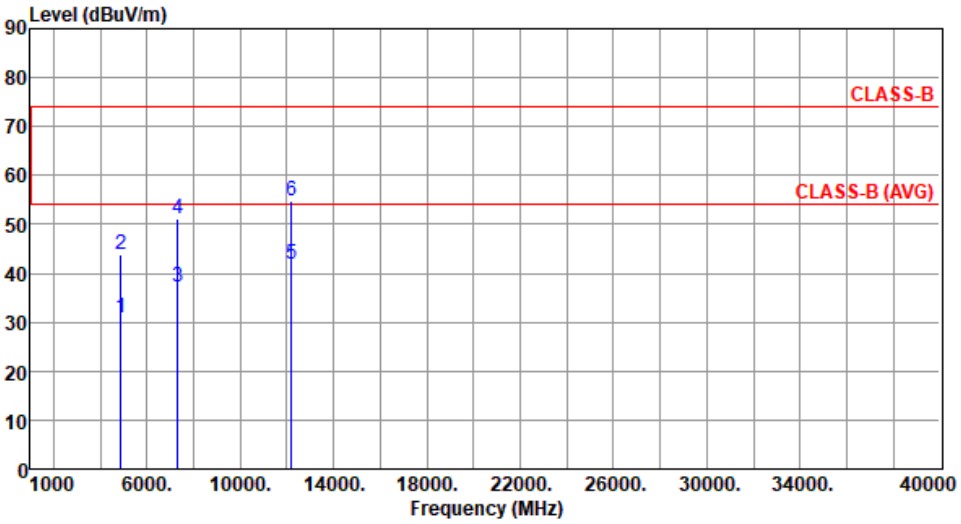


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	31.04	54.00	-22.96	31.45	-0.41	Average	100	149
2	4824.00	43.73	74.00	-30.27	44.14	-0.41	Peak	100	149
3	12060.00	42.18	54.00	-11.82	35.92	6.26	Average	100	219
4	12060.00	55.65	74.00	-18.35	49.39	6.26	Peak	100	219
5	14472.00	45.20	54.00	-8.80	38.10	7.10	Average	100	103
6	14472.00	58.57	74.00	-15.43	51.47	7.10	Peak	100	103

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

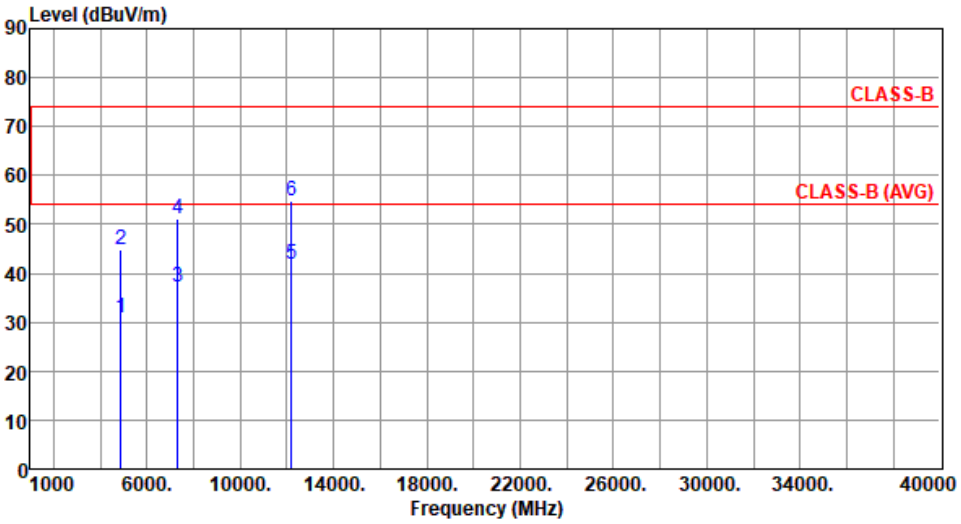


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	30.92	54.00	-23.08	31.42	-0.50	Average	100	155
2	4874.00	43.83	74.00	-30.17	44.33	-0.50	Peak	100	155
3	7311.00	37.13	54.00	-16.87	31.97	5.16	Average	100	283
4	7311.00	51.16	74.00	-22.84	46.00	5.16	Peak	100	283
5	12185.00	41.99	54.00	-12.01	35.60	6.39	Average	100	153
6	12185.00	54.82	74.00	-19.18	48.43	6.39	Peak	100	153

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

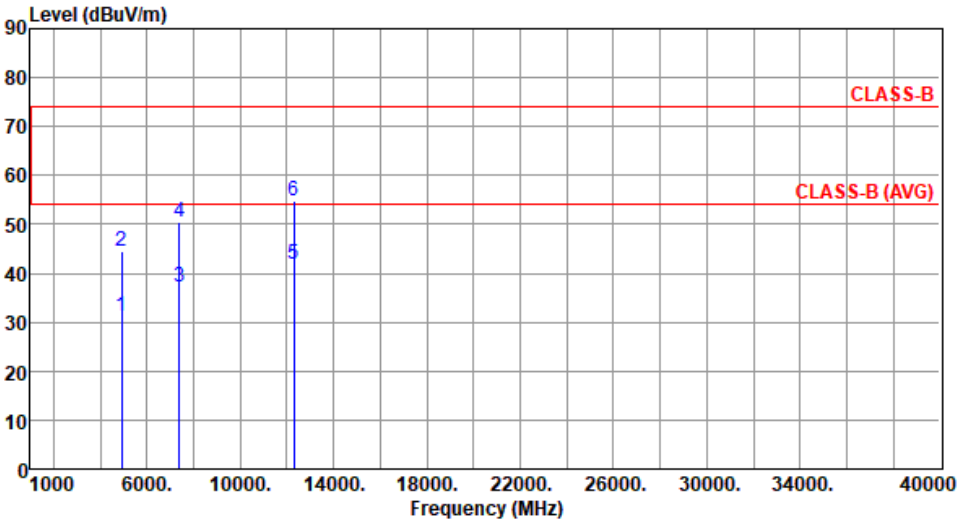


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	30.81	54.00	-23.19	31.31	-0.50	Average	100	69
2	4874.00	44.78	74.00	-29.22	45.28	-0.50	Peak	100	69
3	7311.00	37.24	54.00	-16.76	32.08	5.16	Average	100	199
4	7311.00	51.16	74.00	-22.84	46.00	5.16	Peak	100	199
5	12185.00	41.73	54.00	-12.27	35.34	6.39	Average	100	203
6	12185.00	54.90	74.00	-19.10	48.51	6.39	Peak	100	203

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2462
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

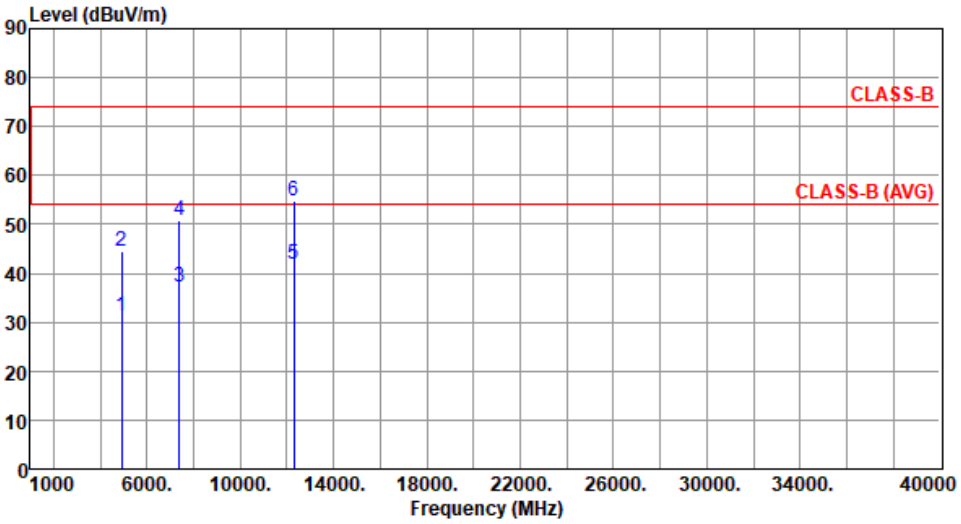


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	31.20	54.00	-22.80	31.64	-0.44	Average	100	63
2	4924.00	44.34	74.00	-29.66	44.78	-0.44	Peak	100	63
3	7386.00	37.15	54.00	-16.85	32.12	5.03	Average	100	136
4	7386.00	50.47	74.00	-23.53	45.44	5.03	Peak	100	136
5	12310.00	41.81	54.00	-12.19	35.70	6.11	Average	100	200
6	12310.00	54.86	74.00	-19.14	48.75	6.11	Peak	100	200

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	2462
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65



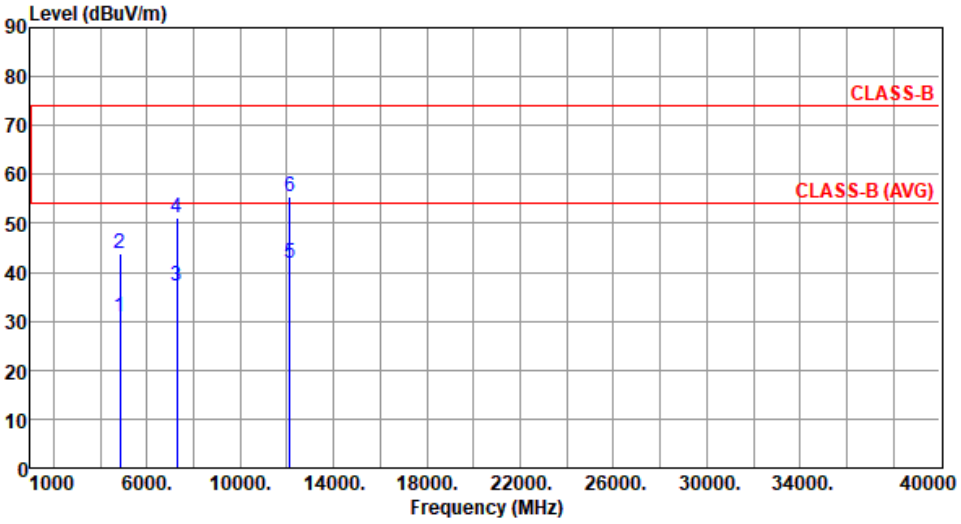
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	31.28	54.00	-22.72	31.72	-0.44	Average	100	177
2	4924.00	44.37	74.00	-29.63	44.81	-0.44	Peak	100	177
3	7386.00	37.14	54.00	-16.86	32.11	5.03	Average	100	195
4	7386.00	50.94	74.00	-23.06	45.91	5.03	Peak	100	195
5	12310.00	41.78	54.00	-12.22	35.67	6.11	Average	100	214
6	12310.00	54.86	74.00	-19.14	48.75	6.11	Peak	100	214

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Unwanted Emissions (Above 1GHz) for ax HE40-OFDMA

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	2422
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

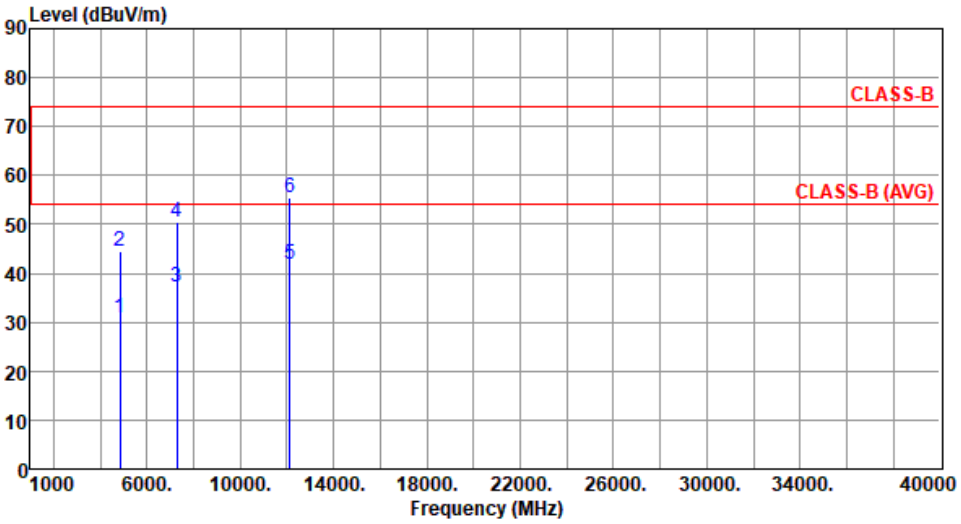


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4844.00	30.82	54.00	-23.18	31.27	-0.45	Average	100	140
2	4844.00	43.86	74.00	-30.14	44.31	-0.45	Peak	100	140
3	7266.00	37.22	54.00	-16.78	32.01	5.21	Average	100	280
4	7266.00	51.14	74.00	-22.86	45.93	5.21	Peak	100	280
5	12110.00	41.78	54.00	-12.22	35.48	6.30	Average	100	204
6	12110.00	55.53	74.00	-18.47	49.23	6.30	Peak	100	204

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	2422
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

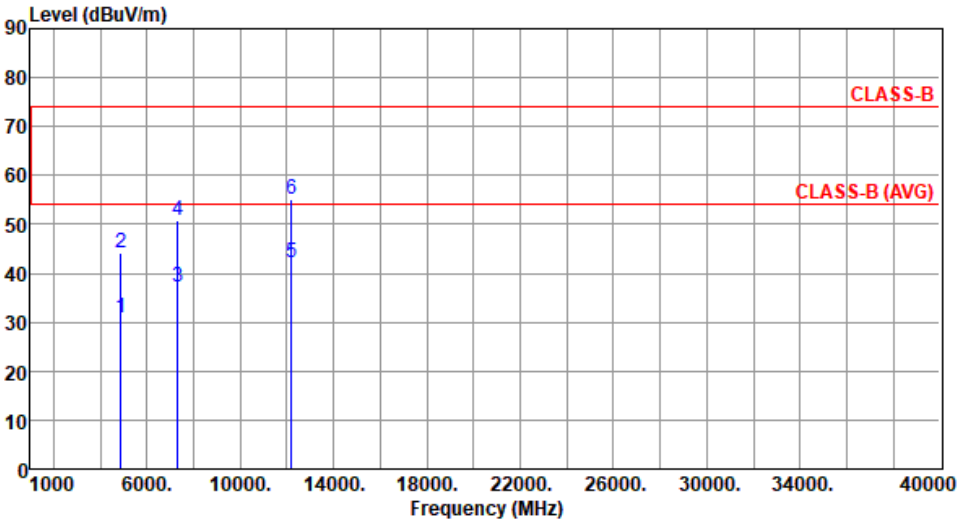


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4844.00	30.77	54.00	-23.23	31.22	-0.45	Average	100	191
2	4844.00	44.54	74.00	-29.46	44.99	-0.45	Peak	100	191
3	7266.00	37.18	54.00	-16.82	31.97	5.21	Average	100	266
4	7266.00	50.55	74.00	-23.45	45.34	5.21	Peak	100	266
5	12110.00	41.87	54.00	-12.13	35.57	6.30	Average	100	156
6	12110.00	55.57	74.00	-18.43	49.27	6.30	Peak	100	156

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	2437
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

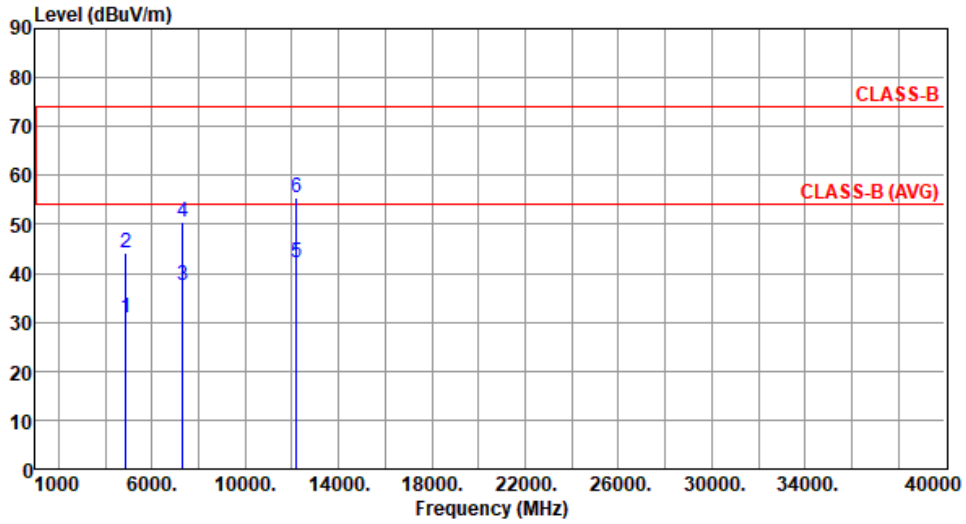


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	30.78	54.00	-23.22	31.28	-0.50	Average	100	76
2	4874.00	44.13	74.00	-29.87	44.63	-0.50	Peak	100	76
3	7311.00	37.19	54.00	-16.81	32.03	5.16	Average	100	193
4	7311.00	50.96	74.00	-23.04	45.80	5.16	Peak	100	193
5	12185.00	42.06	54.00	-11.94	35.67	6.39	Average	100	116
6	12185.00	55.16	74.00	-18.84	48.77	6.39	Peak	100	116

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

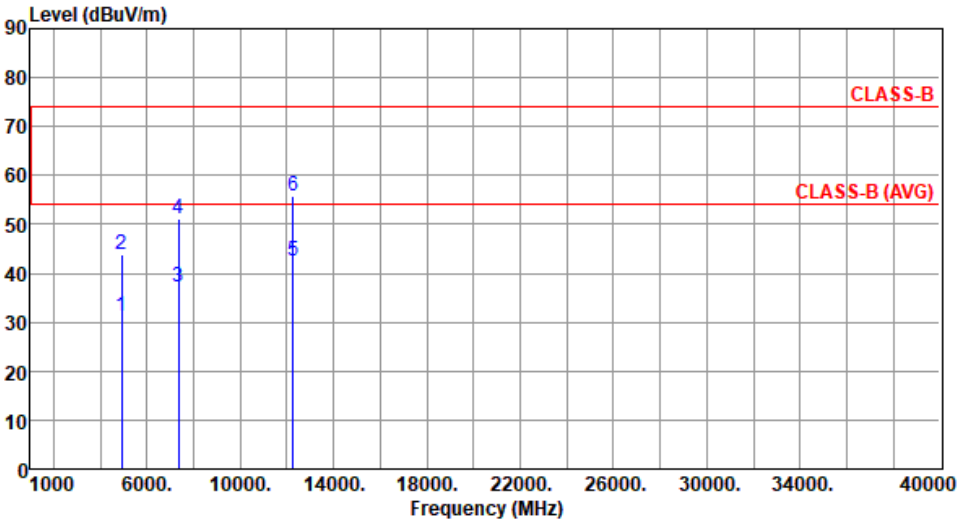


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	30.83	54.00	-23.17	31.33	-0.50	Average	100	50
2	4874.00	44.13	74.00	-29.87	44.63	-0.50	Peak	100	50
3	7311.00	37.52	54.00	-16.48	32.36	5.16	Average	100	308
4	7311.00	50.38	74.00	-23.62	45.22	5.16	Peak	100	308
5	12185.00	42.03	54.00	-11.97	35.64	6.39	Average	100	201
6	12185.00	55.52	74.00	-18.48	49.13	6.39	Peak	100	201

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	2452
Polarization	Horizontal		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

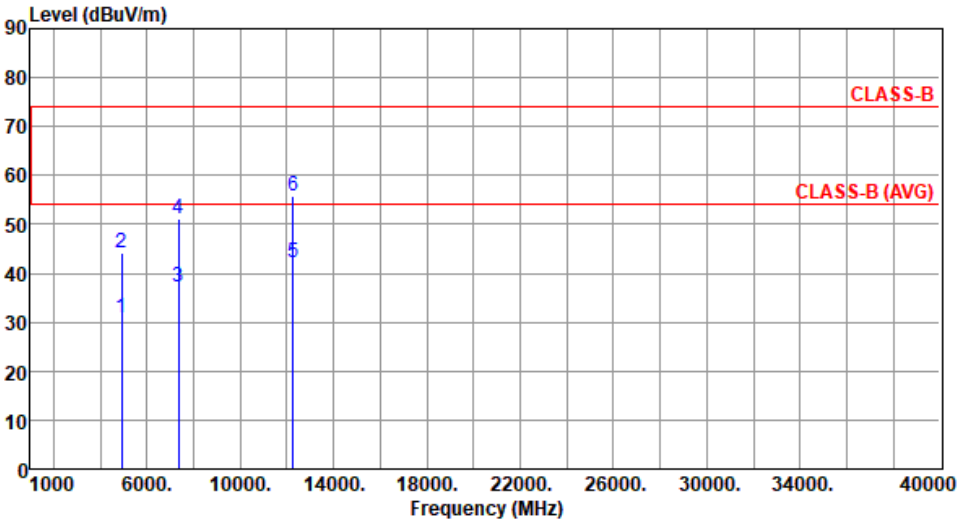


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4904.00	31.10	54.00	-22.90	31.63	-0.53	Average	100	20
2	4904.00	43.76	74.00	-30.24	44.29	-0.53	Peak	100	20
3	7356.00	37.23	54.00	-16.77	32.18	5.05	Average	100	11
4	7356.00	51.17	74.00	-22.83	46.12	5.05	Peak	100	11
5	12260.00	42.38	54.00	-11.62	36.10	6.28	Average	100	210
6	12260.00	55.71	74.00	-18.29	49.43	6.28	Peak	100	210

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	2452
Polarization	Vertical		

Test By :Sean Yu- Temperature(℃):24 Humidity(%):65

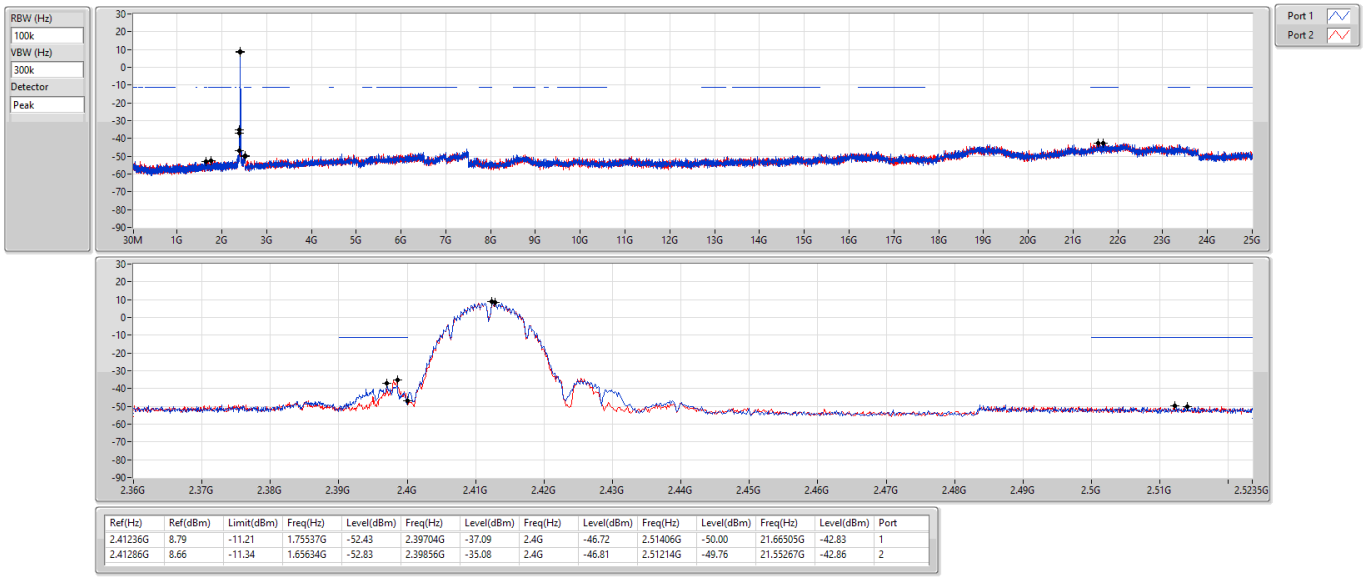


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4904.00	30.81	54.00	-23.19	31.34	-0.53	Average	100	139
2	4904.00	44.24	74.00	-29.76	44.77	-0.53	Peak	100	139
3	7356.00	37.08	54.00	-16.92	32.03	5.05	Average	100	109
4	7356.00	51.30	74.00	-22.70	46.25	5.05	Peak	100	109
5	12260.00	42.31	54.00	-11.69	36.03	6.28	Average	100	158
6	12260.00	55.85	74.00	-18.15	49.57	6.28	Peak	100	158

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSENdB**

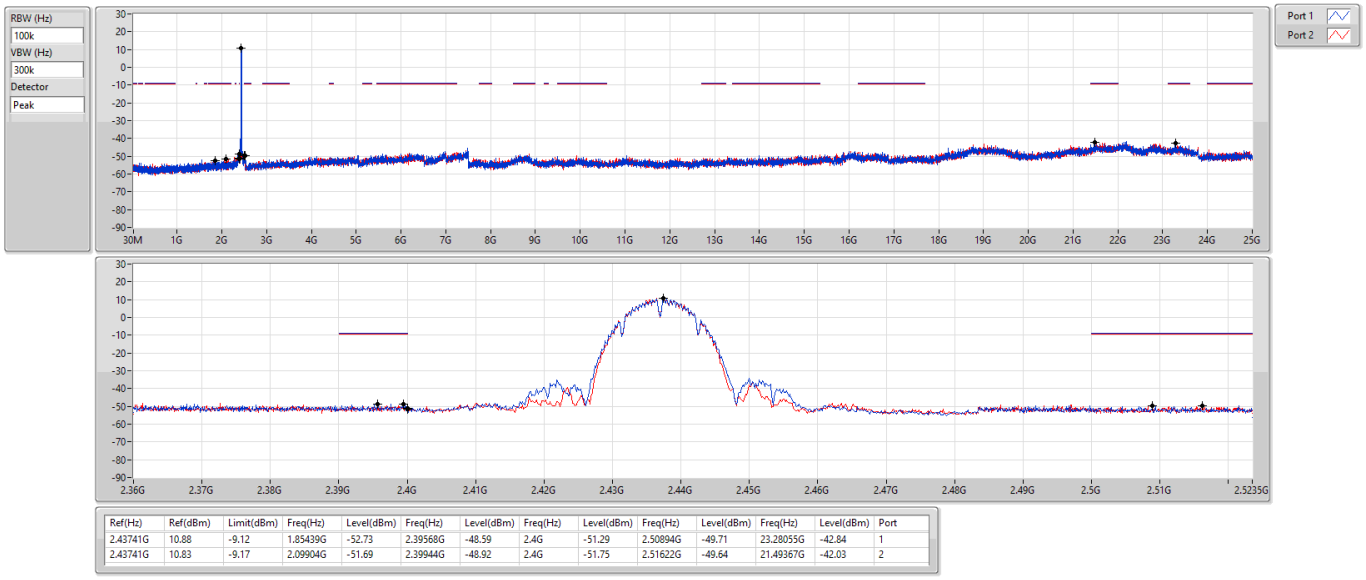
2412MHz



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
2.41236G	8.79	-11.21	1.75537G	-52.43	2.39704G	-37.09	2.4G	-46.72	2.51406G	-50.00	21.66505G	-42.83	1
2.41286G	8.66	-11.34	1.65634G	-52.83	2.39856G	-35.08	2.4G	-46.81	2.51214G	-49.76	21.55267G	-42.86	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSENdB**

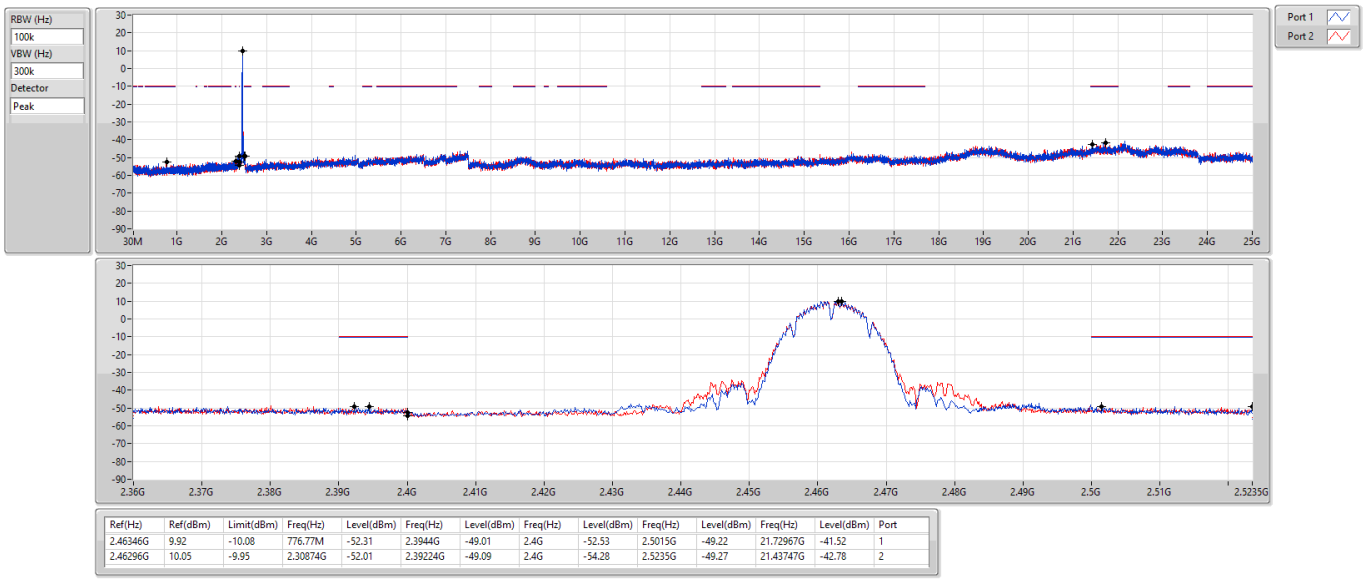
2437MHz



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
2.43741G	10.88	-9.12	1.85439G	-52.73	2.39568G	-48.59	2.4G	-51.29	2.50894G	-49.71	23.28055G	-42.84	1
2.43741G	10.83	-9.17	2.09904G	-51.69	2.39944G	-48.92	2.4G	-51.75	2.51622G	-49.64	21.49367G	-42.03	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **CSENdB**

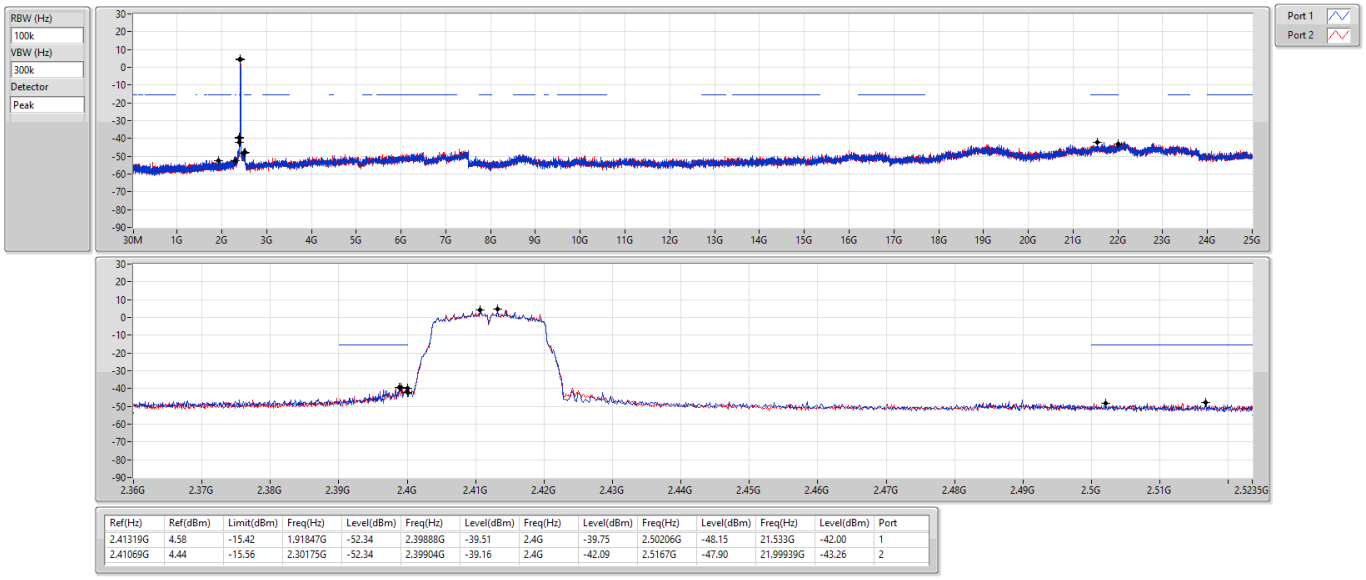
2462MHz



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
2.46346G	9.92	-10.08	776.77M	-52.31	2.3944G	-49.01	2.4G	-52.53	2.5015G	-49.22	21.72967G	-41.52	1
2.46296G	10.05	-9.95	2.30874G	-52.01	2.39224G	-49.09	2.4G	-54.28	2.5235G	-49.27	21.43747G	-42.78	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **CSENdB**

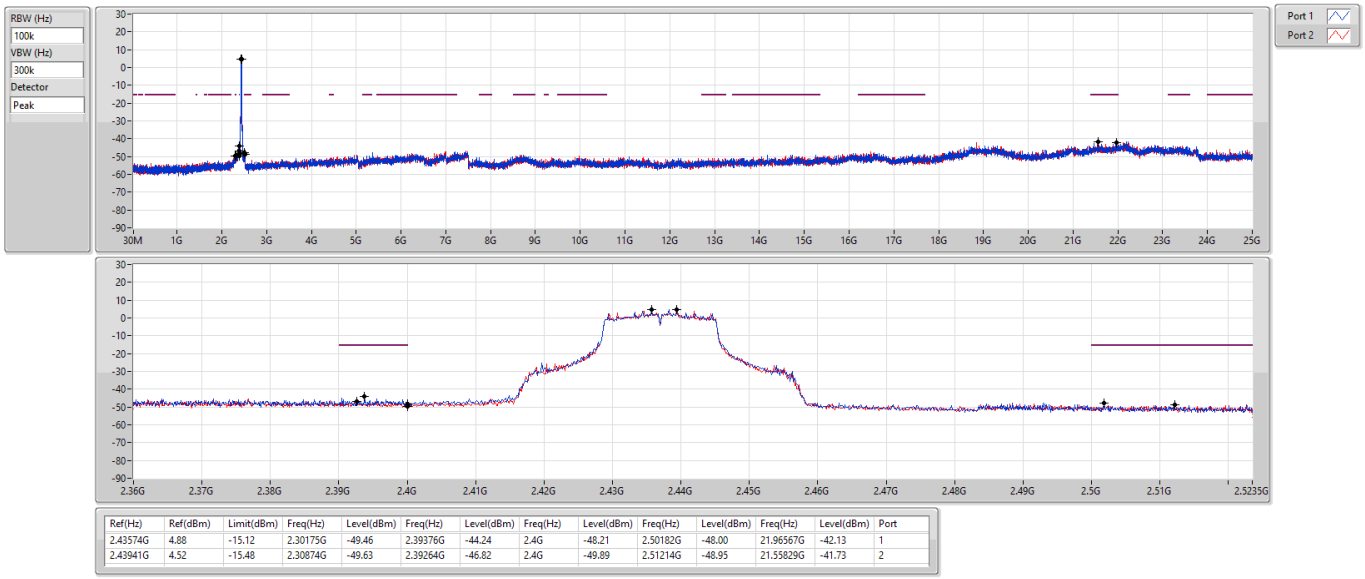
2412MHz



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
2.41319G	4.58	-15.42	1.91847G	-52.34	2.39888G	-39.51	2.4G	-39.75	2.50206G	-48.15	21.533G	-42.00	1
2.41069G	4.44	-15.56	2.30175G	-52.34	2.39904G	-39.16	2.4G	-42.09	2.5167G	-47.90	21.99939G	-43.26	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

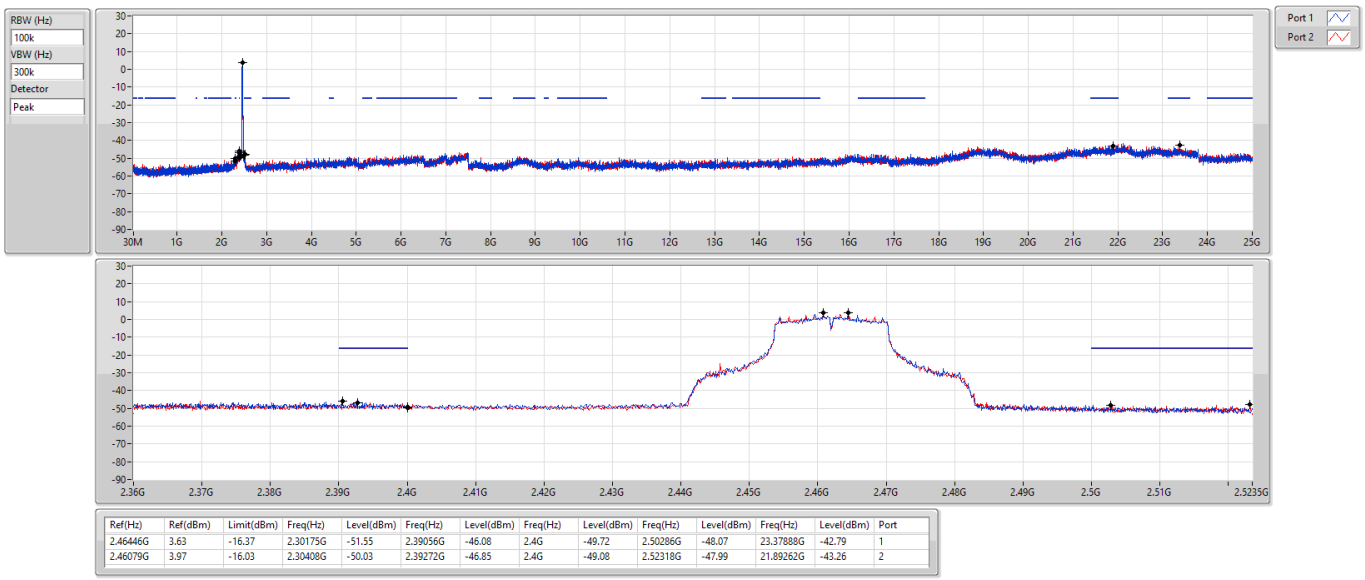
2437MHz



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
2.43574G	4.88	-15.12	2.30175G	-49.46	2.39376G	-44.24	2.4G	-48.21	2.50182G	-48.00	21.96567G	-42.13	1
2.43941G	4.52	-15.48	2.30874G	-49.63	2.39264G	-46.82	2.4G	-49.89	2.51214G	-48.95	21.55829G	-41.73	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

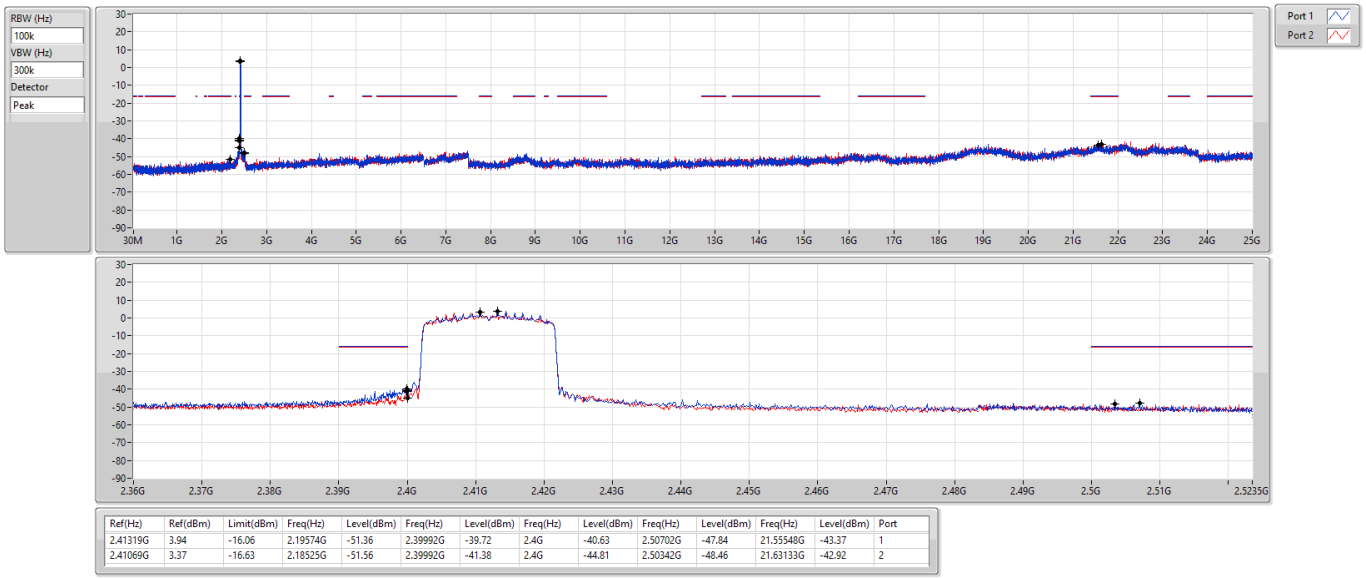
2462MHz



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
2.46446G	3.63	-16.37	2.30175G	-51.55	2.39056G	-46.08	2.4G	-49.72	2.50286G	-48.07	23.37888G	-42.79	1
2.46079G	3.97	-16.03	2.30408G	-50.03	2.39272G	-46.85	2.4G	-49.08	2.52318G	-47.99	21.89262G	-43.26	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

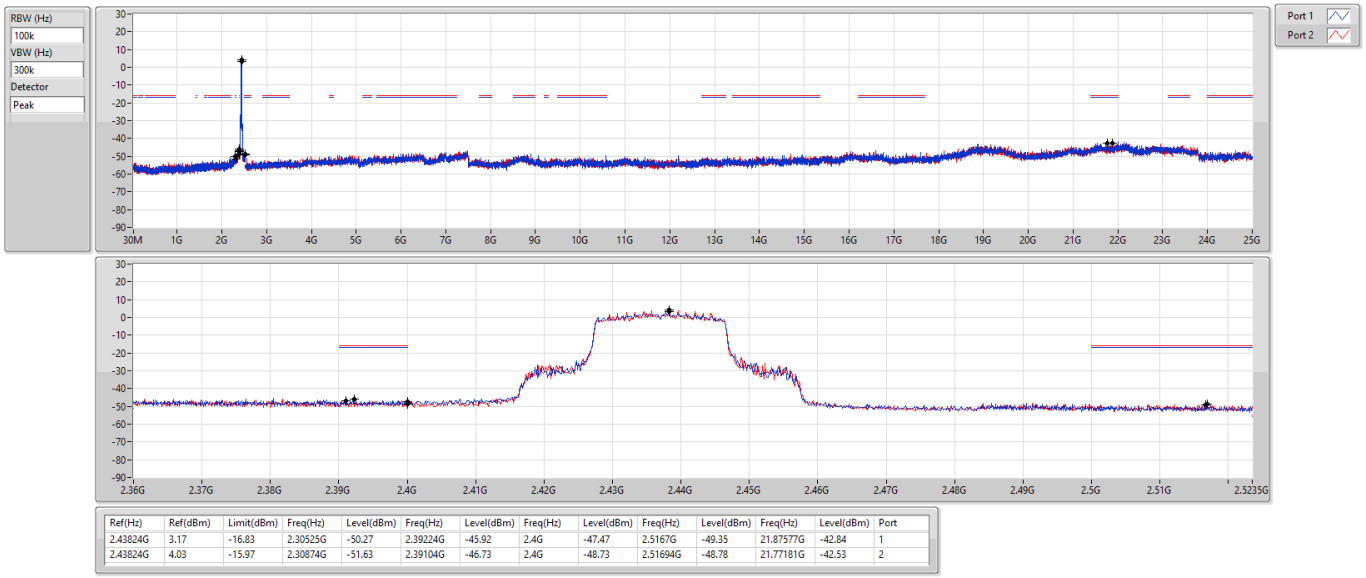
2412MHz



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
2.41319G	3.94	-16.06	2.19574G	-51.36	2.39992G	-39.72	2.4G	-40.63	2.50702G	-47.84	21.55548G	-43.37	1
2.41069G	3.37	-16.63	2.18525G	-51.56	2.39992G	-41.38	2.4G	-44.81	2.50342G	-48.46	21.63133G	-42.92	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

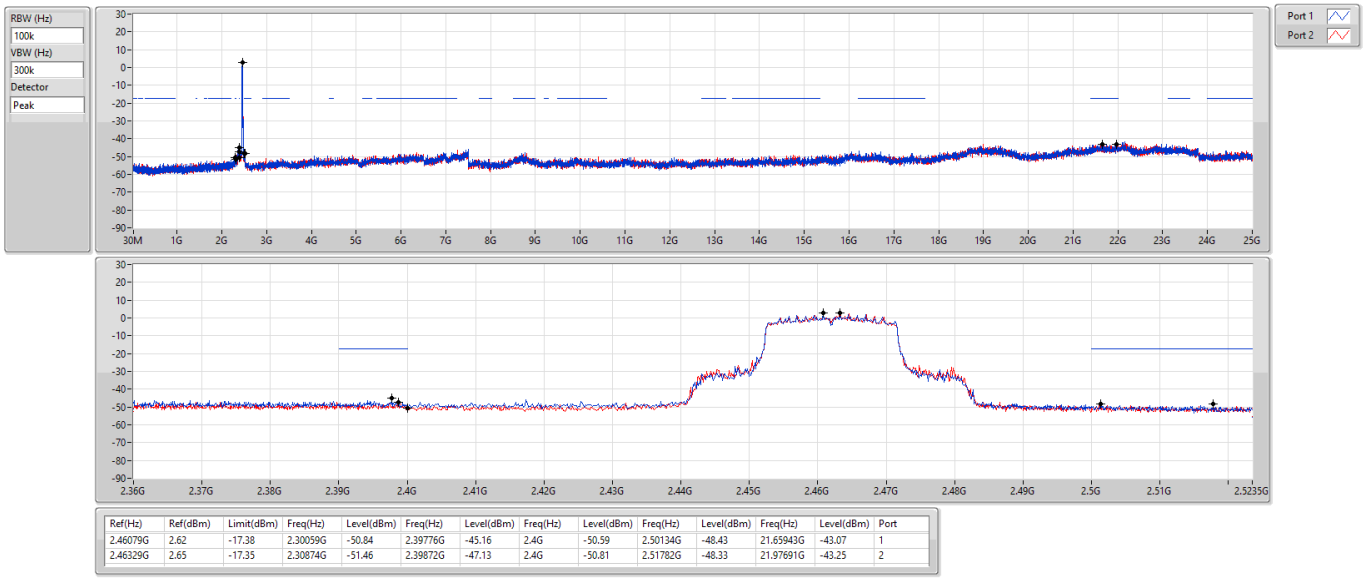
2437MHz



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
2.43824G	3.17	-16.83	2.30525G	-50.27	2.39224G	-45.92	2.4G	-47.47	2.5167G	-49.35	21.87577G	-42.84	1
2.43824G	4.03	-15.97	2.30874G	-51.63	2.39104G	-46.73	2.4G	-48.73	2.51694G	-48.78	21.77181G	-42.53	2

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **CSENdB**

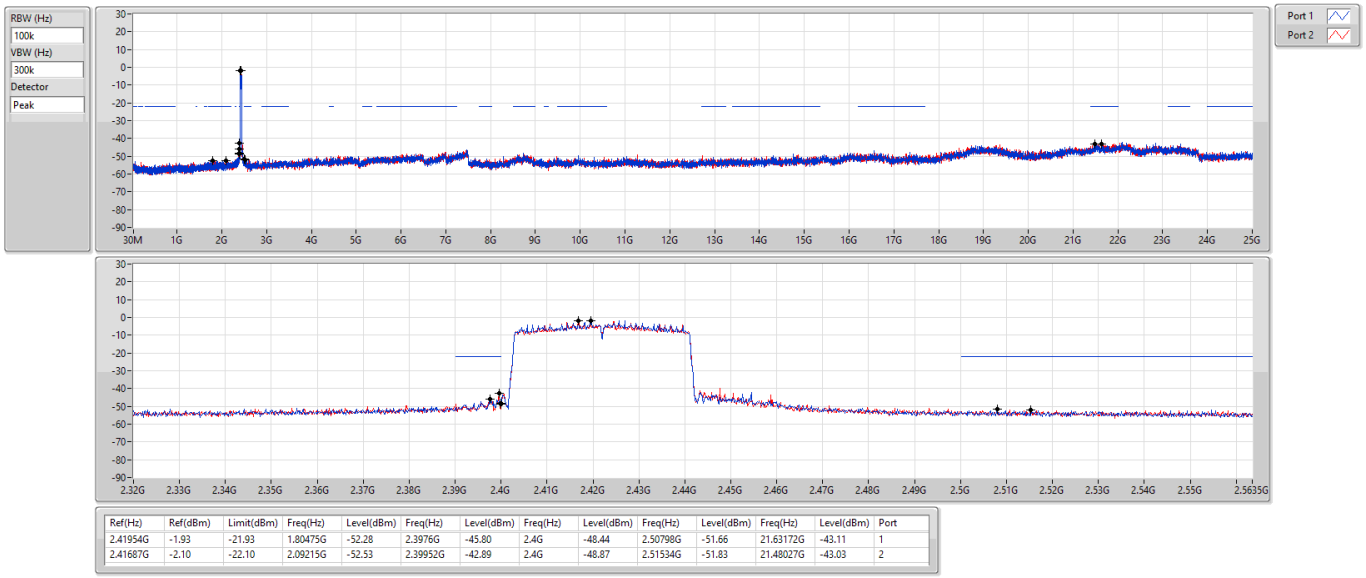
2462MHz



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
2.46079G	2.62	-17.38	2.30059G	-50.84	2.39776G	-45.16	2.4G	-50.59	2.50134G	-48.43	21.65943G	-43.07	1
2.46329G	2.65	-17.35	2.30874G	-51.46	2.39872G	-47.13	2.4G	-50.81	2.51782G	-48.33	21.97691G	-43.25	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

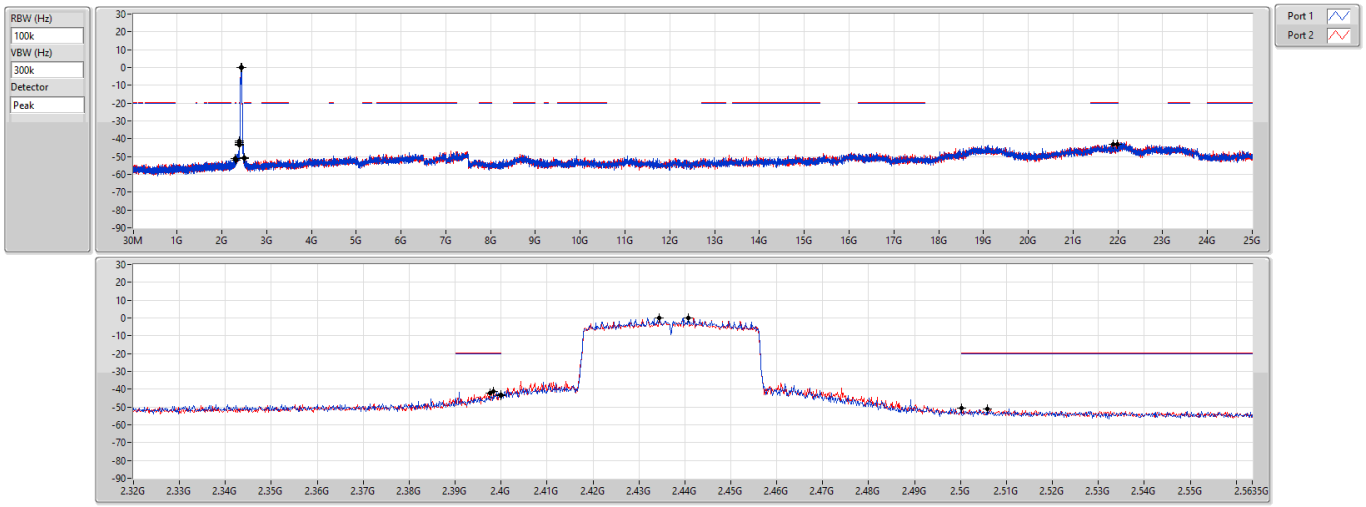
2422MHz



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
2.41954G	-1.93	-21.93	1.80475G	-52.28	2.3976G	-45.80	2.4G	-48.44	2.50798G	-51.66	21.63172G	-43.11	1
2.41687G	-2.10	-22.10	2.09215G	-52.53	2.39952G	-42.89	2.4G	-48.87	2.51534G	-51.83	21.48027G	-43.03	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

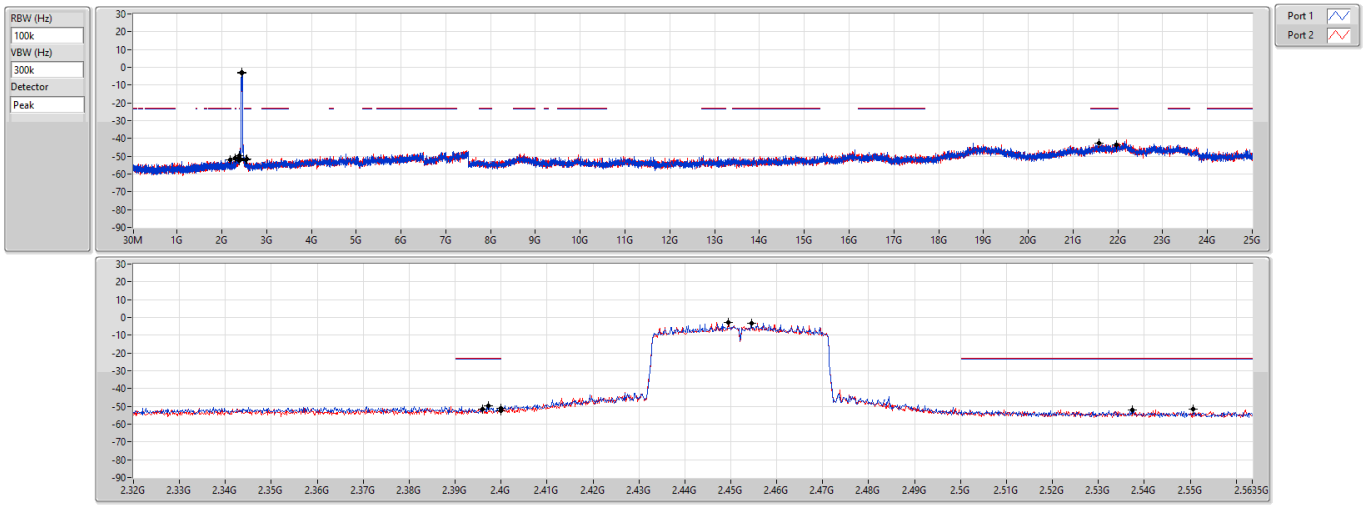
2437MHz



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
2.44075G	-0.05	-20.05	2.30397G	-51.14	2.3984G	-41.33	2.4G	-43.42	2.50014G	-50.70	21.88694G	-43.18	1
2.4344G	0.11	-19.89	2.30855G	-52.09	2.3976G	-42.20	2.4G	-42.97	2.5059G	-51.14	21.9879G	-42.99	2

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **CSENdB**

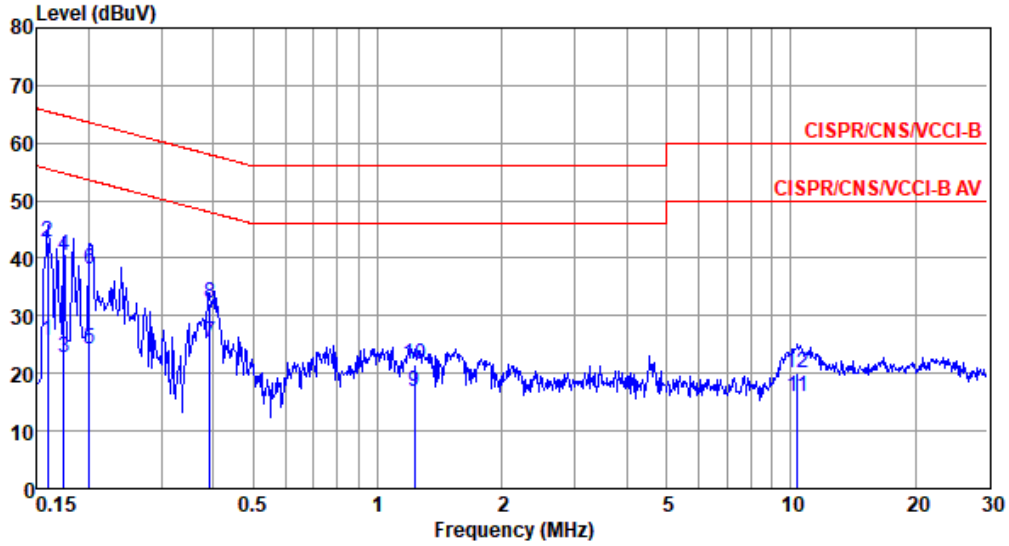
2452MHz



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
2.45444G	-3.24	-23.24	2.30741G	-50.94	2.39728G	-49.80	2.4G	-50.88	2.53742G	-52.07	21.58124G	-42.50	1
2.44943G	-2.76	-22.76	2.17917G	-52.10	2.396G	-51.40	2.4G	-52.64	2.55054G	-51.75	21.96827G	-43.37	2

Modulation Mode	ax HE20-OFDMA	**Test Freq. (MHz)**	2437
Power Phase	Line		

Test by : Brad Wu Temperature: 23°C Humidity: 64%

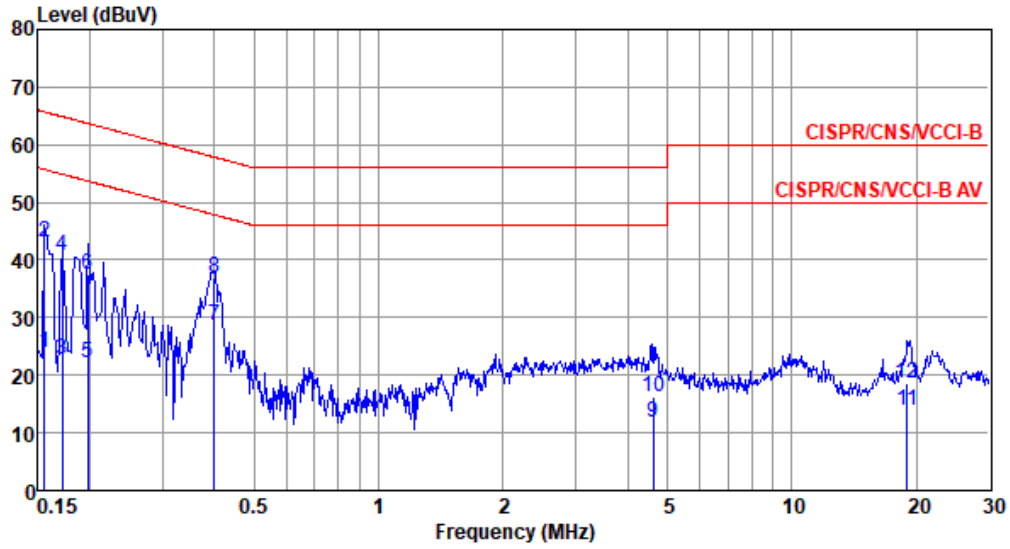


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.159	25.58	55.52	-29.94	15.66	9.63	0.08	0.21	Average
2*	0.159	42.87	65.52	-22.65	32.95	9.63	0.08	0.21	QP
3	0.174	22.64	54.77	-32.13	12.72	9.62	0.07	0.23	Average
4	0.174	40.42	64.77	-24.35	30.50	9.62	0.07	0.23	QP
5	0.201	24.31	53.58	-29.27	14.38	9.62	0.06	0.25	Average
6	0.201	37.96	63.58	-25.62	28.03	9.62	0.06	0.25	QP
7	0.393	25.30	47.99	-22.69	15.27	9.62	0.08	0.33	Average
8	0.393	32.20	57.99	-25.79	22.17	9.62	0.08	0.33	QP
9	1.229	16.71	46.00	-29.29	6.61	9.63	0.10	0.37	Average
10	1.229	21.50	56.00	-34.50	11.40	9.63	0.10	0.37	QP
11	10.397	15.94	50.00	-34.06	5.44	9.69	0.36	0.45	Average
12	10.397	20.03	60.00	-39.97	9.53	9.69	0.36	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation Mode	ax HE20-OFDMA	**Test Freq. (MHz)**	2437
Power Phase	Neutral		

Test by : Brad Wu Temperature: 23°C Humidity: 64%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.156	23.85	55.69	-31.84	14.01	9.63	0.08	0.13	Average
2	0.156	43.18	65.69	-22.51	33.34	9.63	0.08	0.13	QP
3	0.171	22.71	54.90	-32.19	12.87	9.63	0.07	0.14	Average
4	0.171	40.64	64.90	-24.26	30.80	9.63	0.07	0.14	QP
5	0.198	22.06	53.71	-31.65	12.20	9.63	0.06	0.17	Average
6	0.198	37.58	63.71	-26.13	27.72	9.63	0.06	0.17	QP
7*	0.400	28.61	47.86	-19.25	18.66	9.62	0.08	0.25	Average
8	0.400	37.02	57.86	-20.84	27.07	9.62	0.08	0.25	QP
9	4.622	11.77	46.00	-34.23	1.50	9.66	0.21	0.40	Average
10	4.622	16.27	56.00	-39.73	6.00	9.66	0.21	0.40	QP
11	19.021	13.97	50.00	-36.03	3.11	9.79	0.50	0.57	Average
12	19.021	18.68	60.00	-41.32	7.82	9.79	0.50	0.57	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).