FCC Test Report

FCC ID	:	**A8J-EWS276FIT**
Equipment	:	**Fit6 4x4 Lite**
Model No.	:	**EWS276-FIT**
Brand Name	:	**EnGenius**
Applicant	:	**EnGenius Technologies**
Address	:	**1580 Scenic Avenue, Costa Mesa, CA, United States 92626**
Standard	:	**47 CFR FCC Part 15.247**
Received Date	:	**May 09, 2023**
Tested Date	:	**May 11 ~ Jun. 20, 2023**

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**

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Release Record

Report No.	Version	Description	Issued Date
FR350902AC	Rev. 01	Initial issue	Jul. 28, 2023
FR350902AC	Rev. 02	Adding description of output power of Beamforming mode is calculated.	Jul. 31, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.502MHz 42.52 (Margin -3.48dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 4874.00MHz 53.32 (Margin -0.68dB) - AV	Pass
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: ***Non-beamforming mode*** 28.26 ***Beamforming mode*** 22.08	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]	4	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	4	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	4	MCS 0-31
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	4	MCS 0-31
2400-2483.5	ax (HE20)	2412-2462	1-11 [11]	4	MCS 0-11
2400-2483.5	ax (HE40)	2422-2452	3-9 [7]	4	MCS 0-11
Note 1: RF output power specifies that Maximum Peak Conducted Output Power. Note 2: DSSS-DBPSK, DQPSK, CCK modulation OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation. Note 3: 802.11n/ax supports beamforming function.					

1.1.2 Antenna Details

Model	**Type**	**Connector**	**Operating Frequencies (MHz) / Antenna Gain (dBi)**		
			2400~2483.5	**5150~5250**	**5725~5850**
2G-1	PIFA	UFL	3.5	--	--
2G-2	PIFA	UFL	3.8	--	--
2G-3	Dipole	UFL	4.3	--	--
2G-4	Dipole	UFL	4.4	--	--
5G-1	PIFA	UFL	--	4	4.6
5G-2	PIFA	UFL	--	4.2	5
5G-3	PIFA	UFL	--	5	6.7
5G-4	PIFA	UFL	--	3	4.6

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter 54Vdc from POE

Note: The above power supplies are not bundled in market.

1.1.4 Accessories

N/A

1.1.5 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20 / ax HE20		802.11n HT40 / ac VHT40 / 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_Dbg, V 0.0.2.69		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	99.53%	0.02
	11g	99.48%	0.02
	ax HE20-OFDMA	99.28%	0.03
	ax HE40-OFDMA	95.97%	0.18

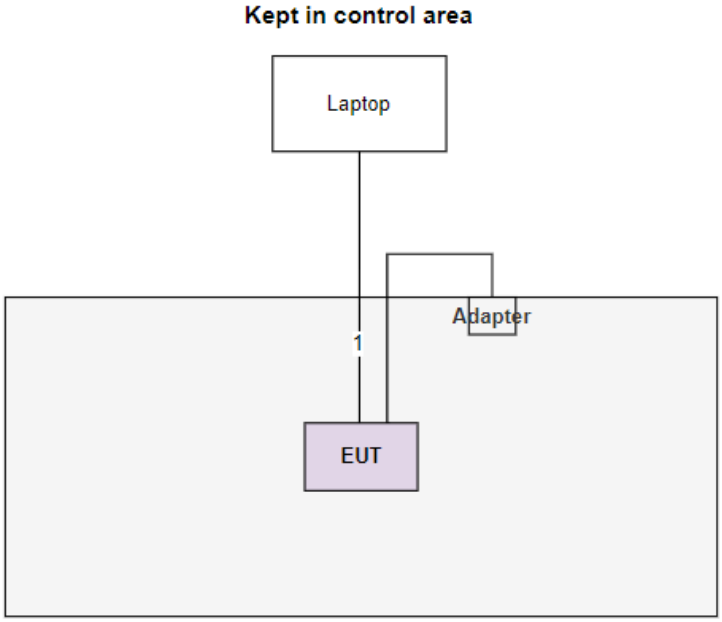
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	17
11b	2437	17.5
11b	2462	17
11g	2412	15.5
11g	2437	18
11g	2462	15.5
ax HE20-OFDMA	2412	15
ax HE20-OFDMA	2437	18
ax HE20-OFDMA	2462	15.5
ax HE40-OFDMA	2422	14
ax HE40-OFDMA	2437	15.5
ax HE40-OFDMA	2452	14

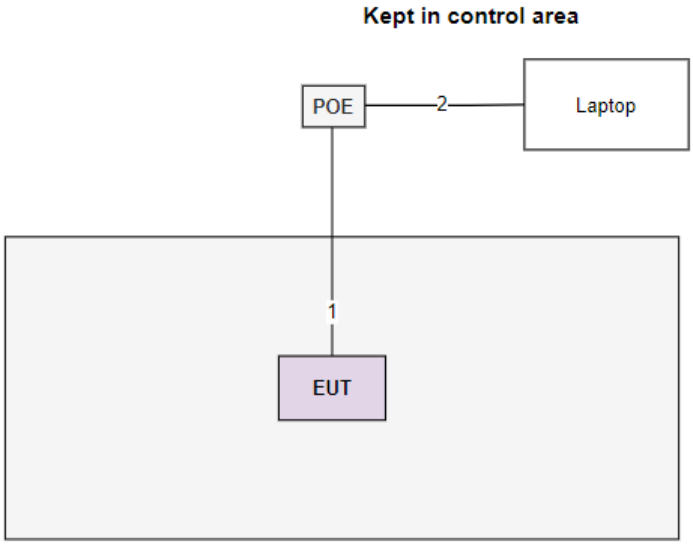
1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5400	DoC	---
2	Adapter	LEI	MU18D1120150-A1	---	Remarks: I/P: 100-240V~, 50/60Hz, 0.6A O/P: 12V⎓1.5A (Provided by applicant.)
3	POE	EnGenius	EPA5006GAT	---	Remarks: I/P: 100-240V~, 50~60Hz, 0.8A O/P: 54V⎓0.6A (Provided by applicant.)

1.3 Test Setup Chart

Test Setup Diagram (Adapter mode)


No.	Signal cable / Length (m)
1	RJ45, 10m shielded.

Test Setup Diagram (POE mode)


No.	Signal cable / Length (m)
1	RJ45, 10m shielded.
2	RJ45, 1m shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	May 23, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 17, 2023	Feb. 16, 2024
LISN	R&S	ENV216	101579	May 09, 2023	May 08, 2024
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan .03, 2023	Jan .02, 2024
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 17, 2022	Oct. 16, 2023
50 ohm terminal (Support Unit)	NA	50	03	Jun. 08, 2022	Jun. 07, 2023
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 chamber3 / (03CH03-WS)				
Tested Date	May 11 ~ Jun. 20, 2023				
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	101499	Mar. 16, 2023	Mar. 15, 2024
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jun. 28, 2022	Jun. 27, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 15, 2022	Dec. 14, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 27, 2022	Oct. 26, 2023
Preamplifier	EMC	EMC02325	980187	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045SE	980897	Aug. 01, 2022	Jul. 31, 2023
Preamplifier	EMC	EMC184045SE	980903	Jul. 16, 2022	Jul. 15, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Sep. 23, 2022	Sep. 22, 2023
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 23, 2022	Sep. 22, 2023
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 23, 2022	Sep. 22, 2023
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 23, 2022	Sep. 22, 2023
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 23, 2022	Sep. 22, 2023
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 28, 2022	Sep. 27, 2023
Attenuator	Pasternack	PE7005-10	10-3	Oct. 14, 2022	Oct. 13, 2023
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	May 25, 2023				
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. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
Attenuator	Pasternack	PE7005-10	10-2	Oct. 06, 2022	Oct. 05, 2023
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	±3.96 dB
Unwanted Emission > 1GHz	±4.51 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-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.)
Test Site	03CH03-WS
Address of Test Site	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807C
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

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

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
2. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 6.02 dB.
3. Test Configurations are listed as below:
   1) Test Configuration 1: Adapter mode
   2) Test Configuration 2: POE mode

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

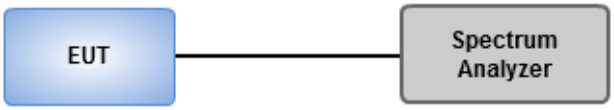
6dB Bandwidth

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	22°C / 63%	**Tested By**	Brad Wu

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	22°C / 63%	**Tested By**	Brad Wu

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 = 30 kHz, VBW = 100 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 = 30 kHz, VBW = 100 kHz. Detector = RMS.

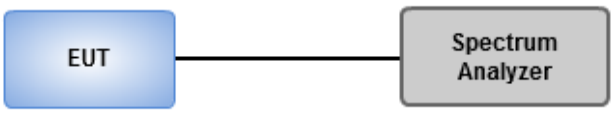
2 Set the sweep time to: ≥ 10 (number of measurement points in sweep) x (total on/off period of the transmitted signal).

3 Perform the measurement over a single sweep.

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

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

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	22°C / 63%	**Tested By**	Brad Wu

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

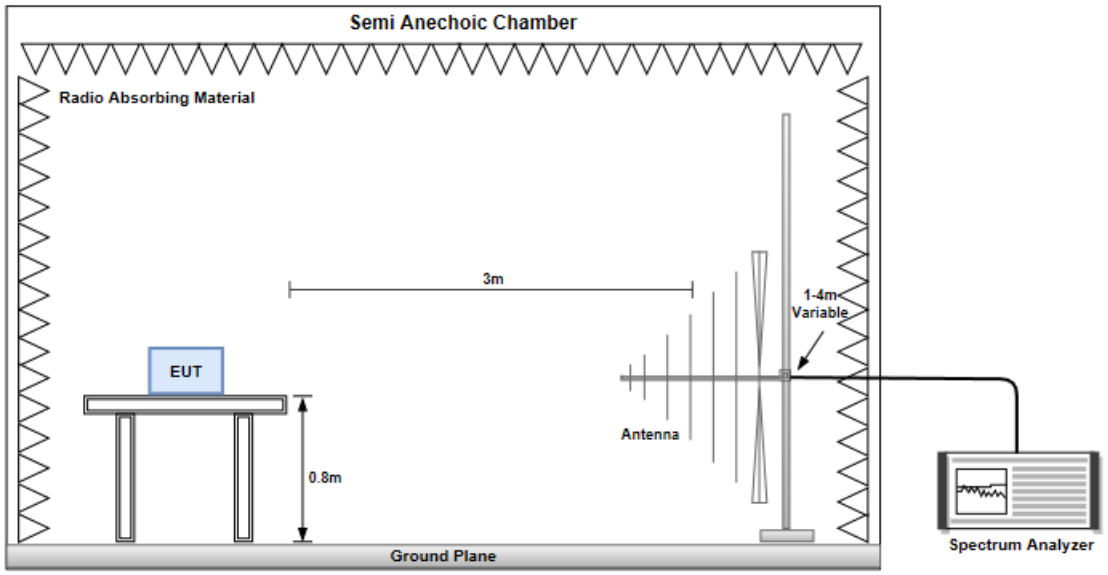
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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:

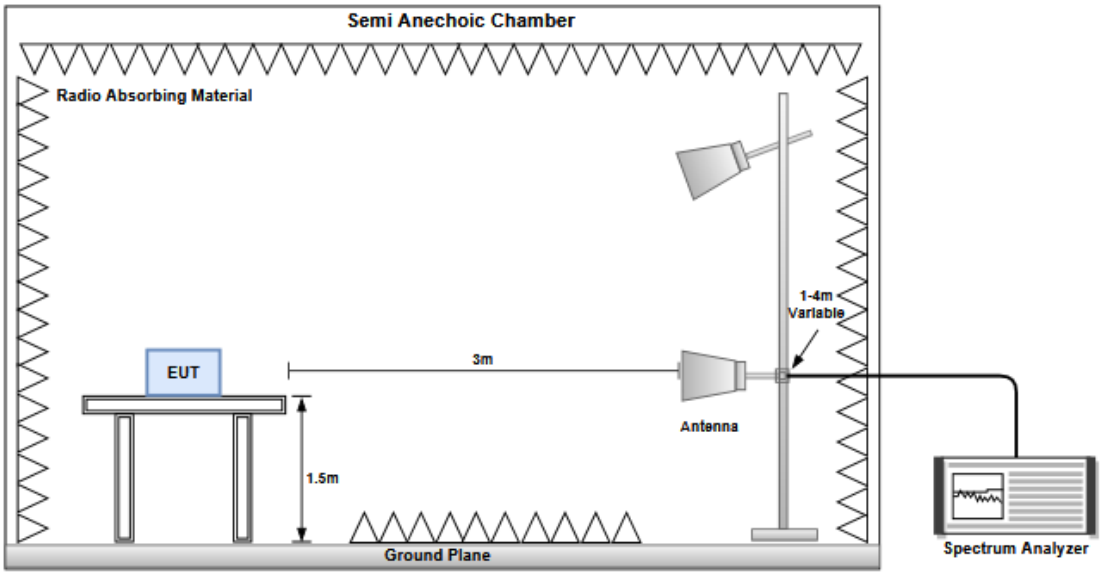
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

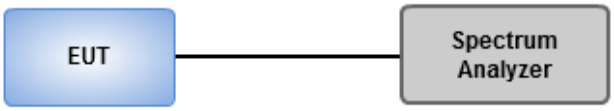
Reference level measurement

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	22°C / 63%	**Tested By**	Brad Wu

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

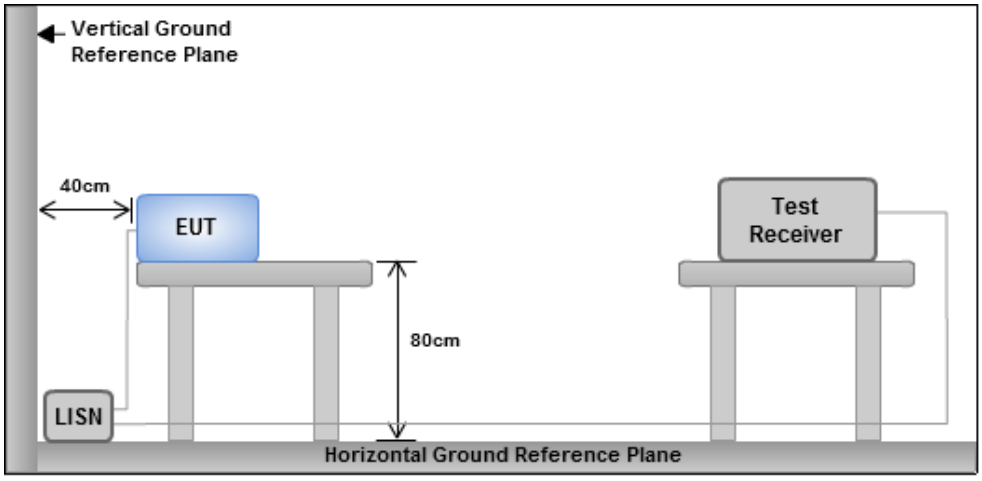
3.6.1 Limit of AC Power Line Conducted Emissions

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)_4TX	8.55M	12.909M	12M9G1D	7.525M	12.504M
802.11g_Nss1,(6Mbps)_4TX	16.325M	17.591M	17M6D1D	15.65M	16.624M
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	18.85M	19.165M	19M2D1D	16.675M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	36.55M	37.731M	37M7D1D	33.8M	37.631M

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

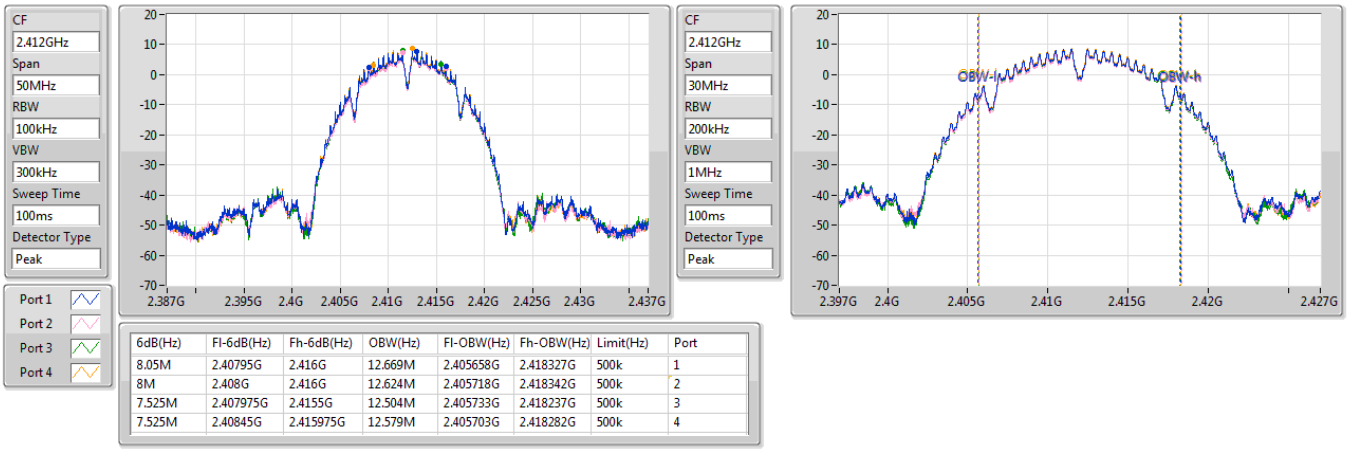
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.669M	8M	12.624M	7.525M	12.504M	7.525M	12.579M
2437MHz	Pass	500k	7.55M	12.684M	8.025M	12.654M	8.55M	12.909M	7.55M	12.639M
2462MHz	Pass	500k	8.05M	12.624M	8M	12.654M	8.025M	12.699M	8.025M	12.594M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.05M	16.734M	16.275M	16.668M	15.675M	16.646M	16.3M	16.646M
2437MHz	Pass	500k	16.325M	17.173M	15.65M	16.954M	16.275M	17.591M	16.3M	16.932M
2462MHz	Pass	500k	16.25M	16.69M	16.025M	16.712M	16.3M	16.624M	16.225M	16.646M
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.65M	18.891M	17.975M	18.916M	18.85M	18.891M	18.525M	18.891M
2437MHz	Pass	500k	18.575M	19.09M	16.675M	19.115M	17.7M	19.165M	18.275M	19.09M
2462MHz	Pass	500k	18.55M	18.991M	17.325M	19.015M	18.45M	18.991M	18.025M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.55M	37.681M	35.05M	37.681M	35M	37.631M	35.1M	37.681M
2437MHz	Pass	500k	35.85M	37.681M	33.8M	37.731M	34.3M	37.731M	35.55M	37.731M
2452MHz	Pass	500k	33.85M	37.681M	33.85M	37.631M	36.55M	37.681M	34.95M	37.681M

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)_4TX **EBW**

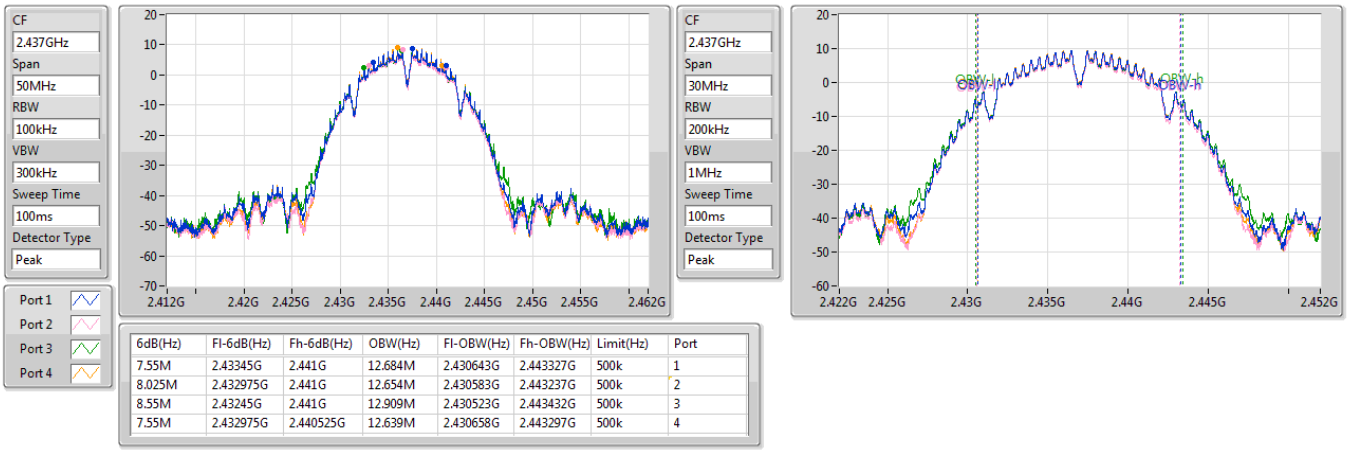
2412MHz



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	12.669M	2.405658G	2.418327G	500k	1
8M	2.408G	2.416G	12.624M	2.405718G	2.418342G	500k	2
7.525M	2.407975G	2.4155G	12.504M	2.405733G	2.418237G	500k	3
7.525M	2.40845G	2.415975G	12.579M	2.405703G	2.418282G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

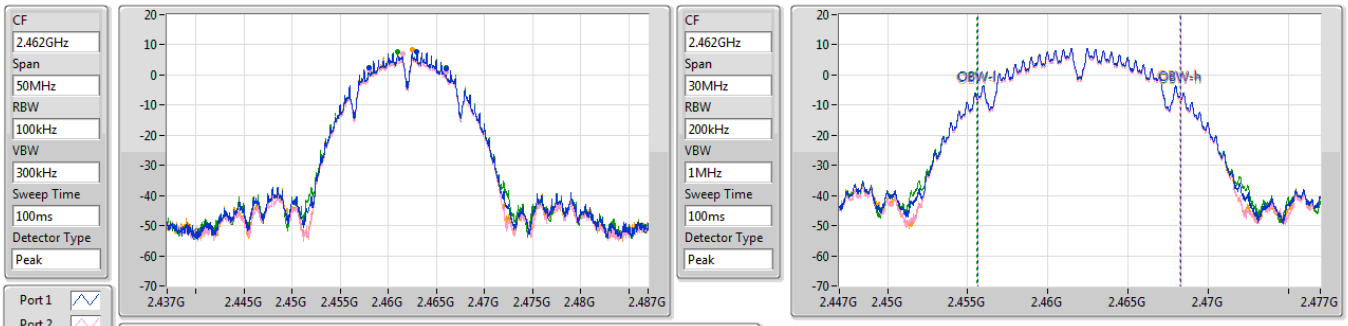
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.43345G	2.441G	12.684M	2.430643G	2.443327G	500k	1
8.025M	2.432975G	2.441G	12.654M	2.430583G	2.443237G	500k	2
8.55M	2.43245G	2.441G	12.909M	2.430523G	2.443432G	500k	3
7.55M	2.432975G	2.440525G	12.639M	2.430658G	2.443297G	500k	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **EBW**

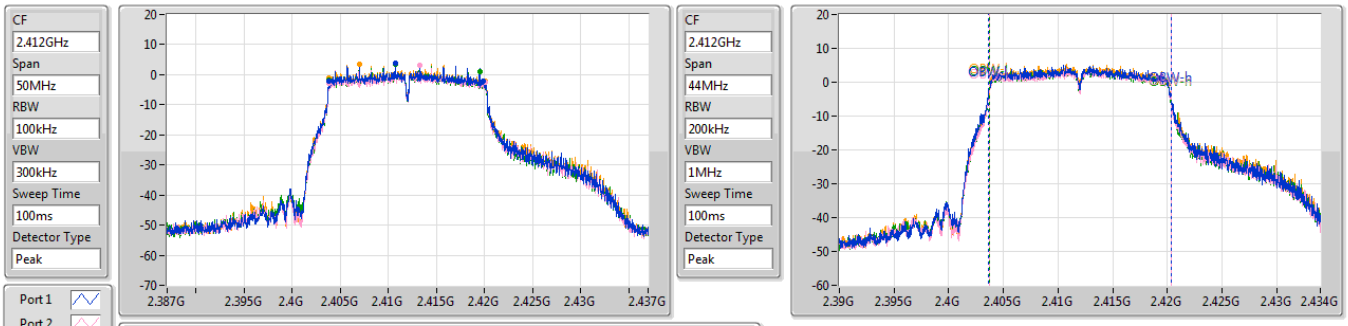
2462MHz



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	12.624M	2.455658G	2.468282G	500k	1
8M	2.457975G	2.465975G	12.654M	2.455643G	2.468297G	500k	2
8.025M	2.45795G	2.465975G	12.699M	2.455598G	2.468297G	500k	3
8.025M	2.45795G	2.465975G	12.594M	2.455658G	2.468252G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

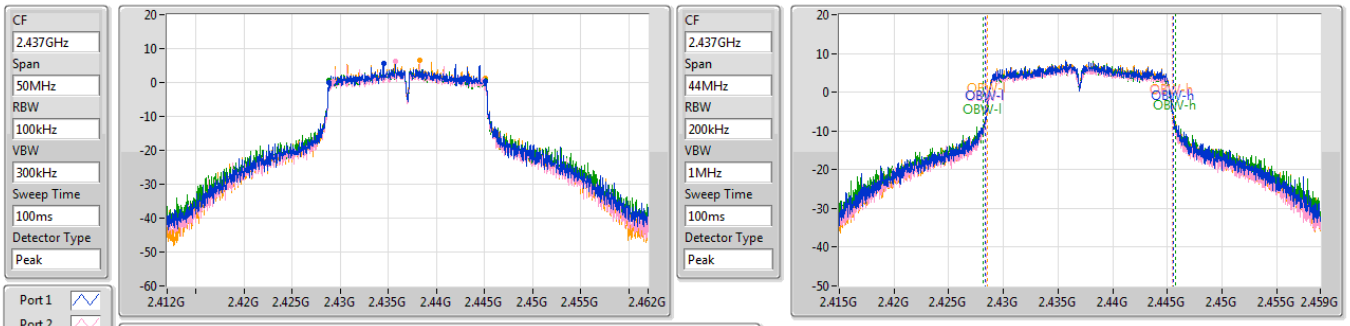
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.403825G	2.419875G	16.734M	2.403644G	2.420378G	500k	1
16.275M	2.403825G	2.4201G	16.668M	2.403688G	2.420356G	500k	2
15.675M	2.403825G	2.4195G	16.646M	2.403688G	2.420334G	500k	3
16.3M	2.403825G	2.420125G	16.646M	2.403688G	2.420334G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

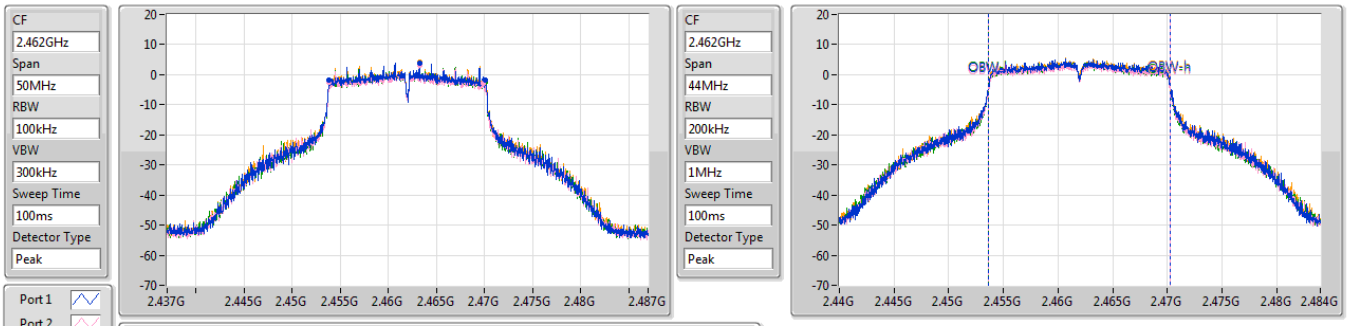
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4288G	2.445125G	17.173M	2.42838G	2.445554G	500k	1
15.65M	2.429225G	2.444875G	16.954M	2.428468G	2.445422G	500k	2
16.275M	2.428825G	2.4451G	17.591M	2.428138G	2.44573G	500k	3
16.3M	2.428825G	2.445125G	16.932M	2.428512G	2.445444G	500k	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **EBW**

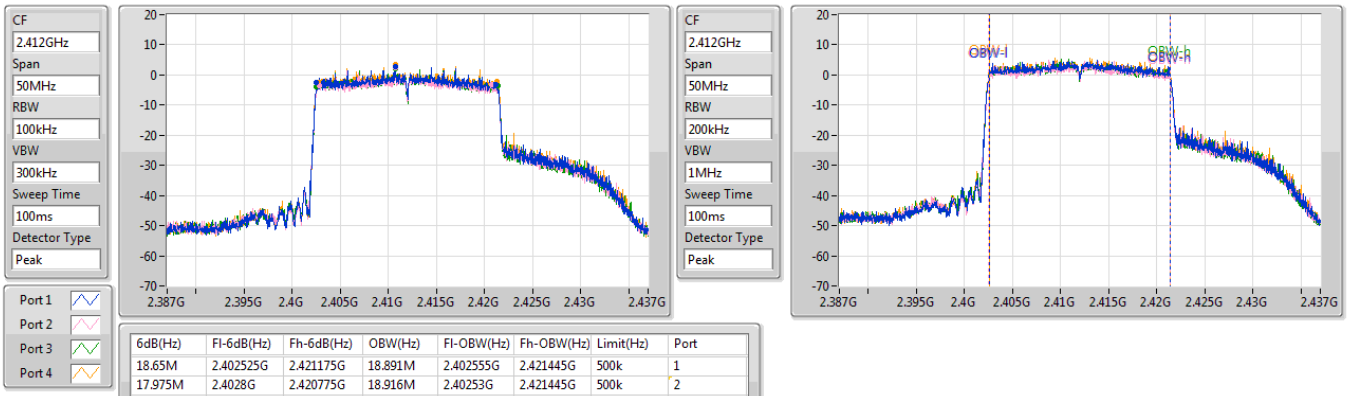
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	2.45385G	2.4701G	16.69M	2.453622G	2.470312G	500k	1
16.025M	2.453825G	2.46985G	16.712M	2.4536G	2.470312G	500k	2
16.3M	2.453825G	2.470125G	16.624M	2.453644G	2.470268G	500k	3
16.225M	2.45385G	2.470075G	16.646M	2.453644G	2.47029G	500k	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

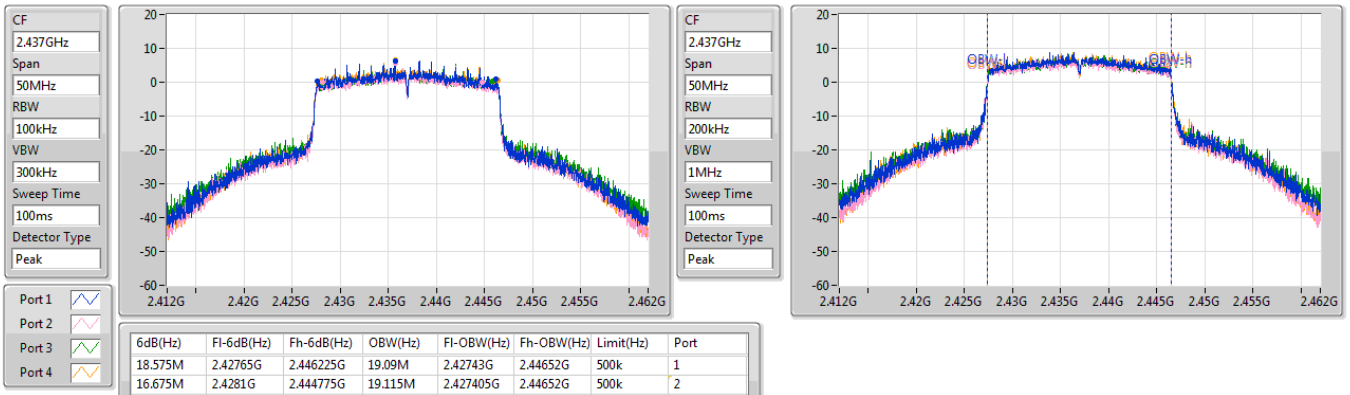
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.65M	2.402525G	2.421175G	18.891M	2.402555G	2.421445G	500k	1
17.975M	2.4028G	2.420775G	18.916M	2.40253G	2.421445G	500k	2
18.85M	2.402525G	2.421375G	18.891M	2.40253G	2.42142G	500k	3
18.525M	2.40275G	2.421275G	18.891M	2.402555G	2.421445G	500k	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

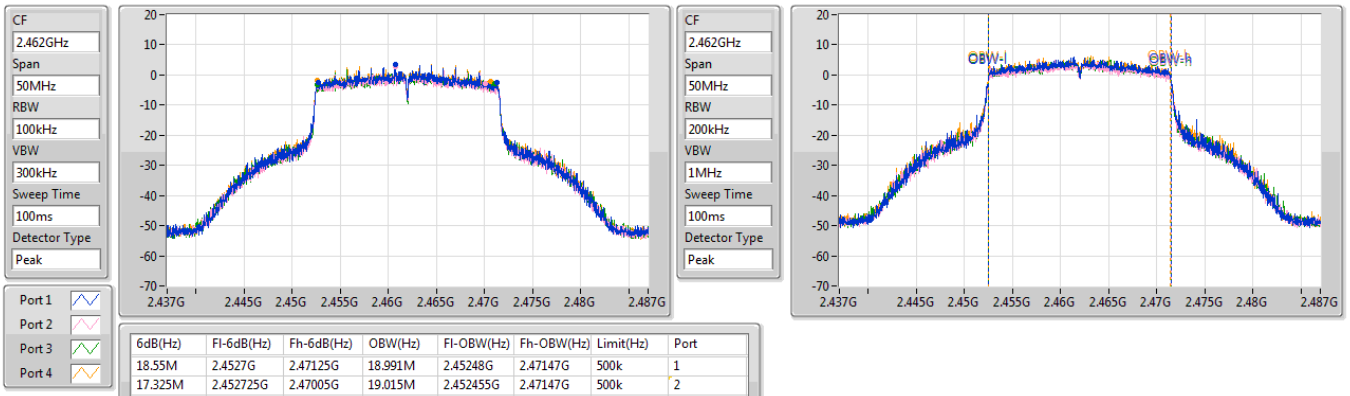
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.575M	2.42765G	2.446225G	19.09M	2.42743G	2.44652G	500k	1
16.675M	2.4281G	2.444775G	19.115M	2.427405G	2.44652G	500k	2
17.7M	2.4282G	2.4459G	19.165M	2.42738G	2.446545G	500k	3
18.275M	2.428075G	2.44635G	19.09M	2.42743G	2.44652G	500k	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

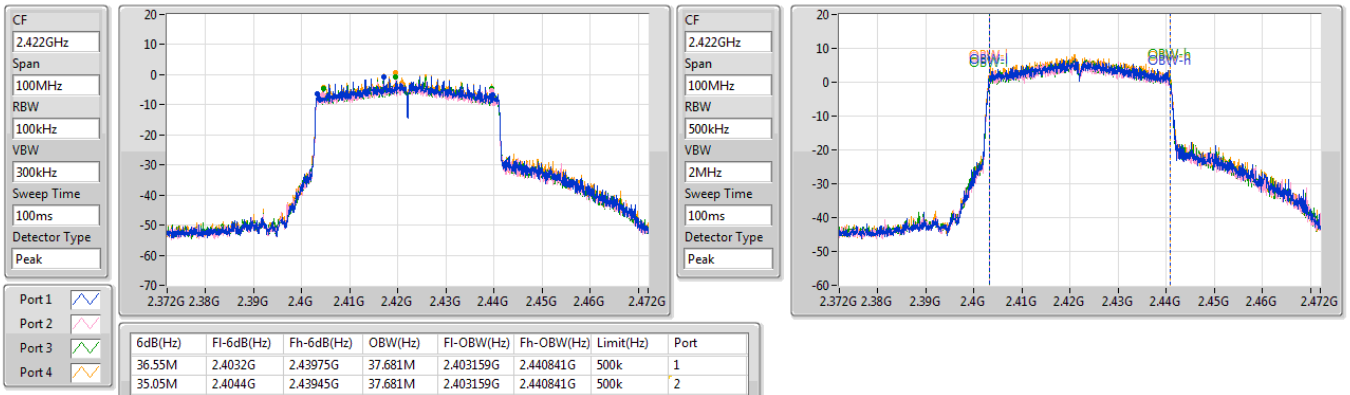
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.55M	2.4527G	2.47125G	18.991M	2.45248G	2.47147G	500k	1
17.325M	2.452725G	2.47005G	19.015M	2.452455G	2.47147G	500k	2
18.45M	2.452625G	2.471075G	18.991M	2.45248G	2.47147G	500k	3
18.025M	2.452625G	2.47065G	18.966M	2.45248G	2.471445G	500k	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

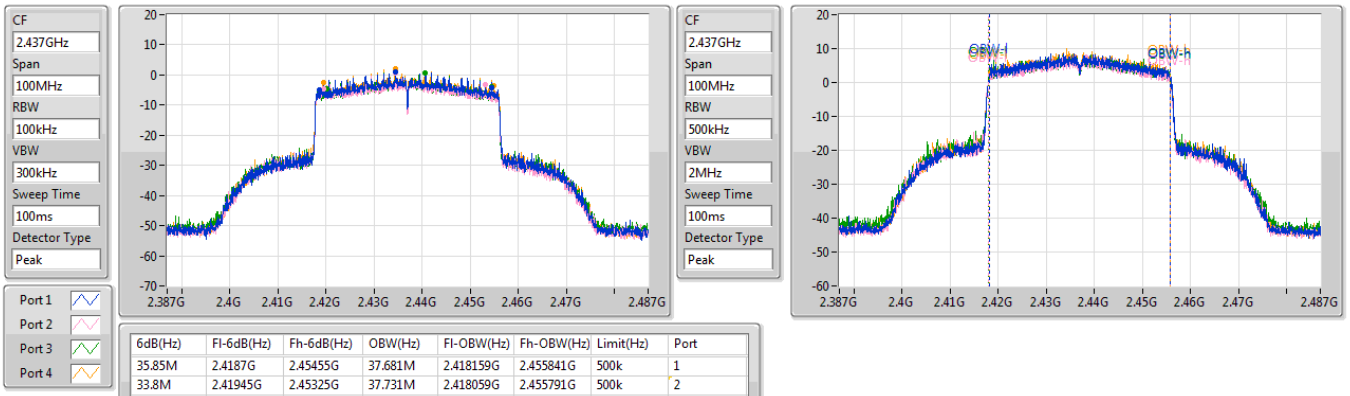
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.55M	2.4032G	2.43975G	37.681M	2.403159G	2.440841G	500k	1
35.05M	2.4044G	2.43945G	37.681M	2.403159G	2.440841G	500k	2
35M	2.4045G	2.4395G	37.631M	2.403209G	2.440841G	500k	3
35.1M	2.40445G	2.43955G	37.681M	2.403159G	2.440841G	500k	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

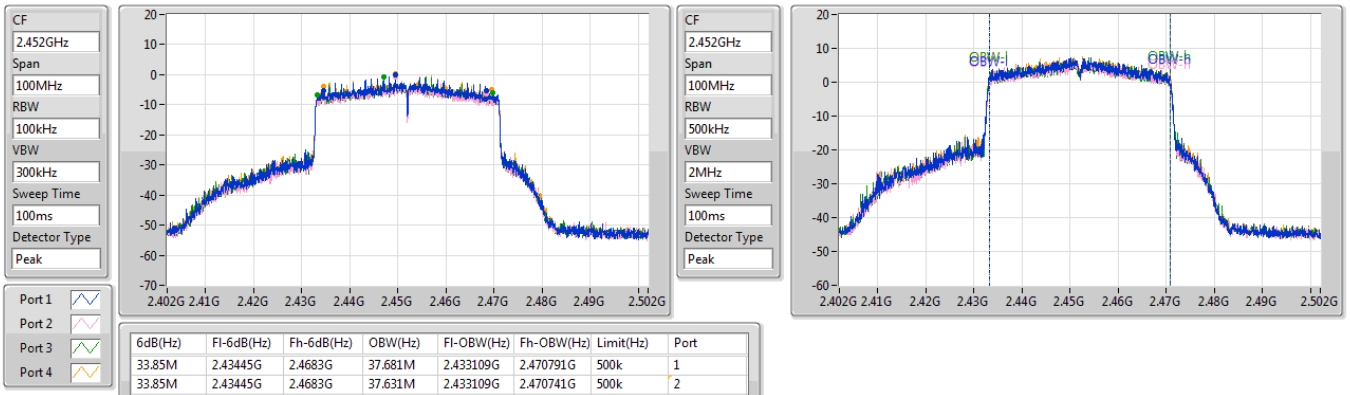
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.85M	2.4187G	2.45455G	37.681M	2.418159G	2.455841G	500k	1
33.8M	2.41945G	2.45325G	37.731M	2.418059G	2.455791G	500k	2
34.3M	2.4202G	2.4545G	37.731M	2.418059G	2.455791G	500k	3
35.55M	2.41945G	2.455G	37.731M	2.418109G	2.455841G	500k	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.43445G	2.4683G	37.681M	2.433109G	2.470791G	500k	1
33.85M	2.43445G	2.4683G	37.631M	2.433109G	2.470741G	500k	2
36.55M	2.4332G	2.46975G	37.681M	2.433109G	2.470791G	500k	3
34.95M	2.4345G	2.46945G	37.681M	2.433109G	2.470791G	500k	4

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	25.55	0.35892
802.11g_Nss1,(6Mbps)_4TX	28.26	0.66988
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	28.10	0.64565
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	26.50	0.44668

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	19.31	18.59	18.62	19.51	25.05	30.00	29.45	36.00
2437MHz	Pass	4.40	19.92	18.91	19.46	19.75	25.55	30.00	29.95	36.00
2462MHz	Pass	4.40	19.09	18.05	18.63	19.03	24.74	30.00	29.14	36.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	21.45	20.7	20.92	21.58	27.20	30.00	31.60	36.00
2437MHz	Pass	4.40	22.48	22.1	21.59	22.72	28.26	30.00	32.66	36.00
2462MHz	Pass	4.40	20.82	20.15	20.11	20.92	26.54	30.00	30.94	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	21.05	20.19	20.48	21.68	26.91	30.00	31.31	36.00
2437MHz	Pass	4.40	22.32	21.65	21.59	22.67	28.10	30.00	32.50	36.00
2462MHz	Pass	4.40	20.38	19.64	19.85	20.58	26.15	30.00	30.55	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	4.40	19.28	18.75	18.79	19.61	25.14	30.00	29.54	36.00
2437MHz	Pass	4.40	20.82	20.13	20.27	20.65	26.50	30.00	30.90	36.00
2452MHz	Pass	4.40	19.38	18.5	18.68	19.42	25.03	30.00	29.43	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)_4TX	23.13	0.20559
802.11g_Nss1,(6Mbps)_4TX	23.31	0.21429
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	22.94	0.19679
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	20.64	0.11588

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	16.84	16.12	16.26	17.04	22.60	-	27.00	-
2437MHz	Pass	4.40	17.48	16.49	17.04	17.36	23.13	-	27.53	-
2462MHz	Pass	4.40	16.67	15.72	16.21	16.56	22.33	-	26.73	-
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	15.02	14.32	14.38	15.28	20.79	-	25.19	-
2437MHz	Pass	4.40	17.62	16.85	17.05	17.59	23.31	-	27.71	-
2462MHz	Pass	4.40	14.78	14.05	14.18	14.92	20.52	-	24.92	-
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	4.40	14.18	13.51	13.59	14.4	19.96	-	24.36	-
2437MHz	Pass	4.40	17.29	16.4	16.67	17.26	22.94	-	27.34	-
2462MHz	Pass	4.40	14.35	13.58	13.78	14.59	20.11	-	24.51	-
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	4.40	12.7	12.24	12.41	13.28	18.70	-	23.10	-
2437MHz	Pass	4.40	14.81	14.13	14.39	15.08	20.64	-	25.04	-
2452MHz	Pass	4.40	13.23	12.51	12.65	13.4	18.98	-	23.38	-

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)_4TX-OFDMA	22.08	0.16144
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	20.48	0.11169

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	10.03	15.03	14.17	14.46	15.66	20.89	25.97	30.92	36.00
2437MHz	Pass	10.03	16.3	15.63	15.57	16.65	22.08	25.97	32.11	36.00
2462MHz	Pass	10.03	14.36	13.62	13.83	14.56	20.13	25.97	30.16	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	10.03	13.26	12.73	12.77	13.59	19.12	25.97	29.15	36.00
2437MHz	Pass	10.03	14.8	14.11	14.25	14.63	20.48	25.97	30.51	36.00
2452MHz	Pass	10.03	13.36	12.48	12.66	13.4	19.01	25.97	29.04	36.00

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

Remarks:
Directional gain = 10 x log($(10^{3.5/20}+10^{3.8/20}+10^{4.3/20}+10^{4.4/20})^2/4$) = 10.03 dBi > 6dBi, so the limit shall be reduced to 30 dBm – (10.03dBi – 6dBi) = 25.97 dBm

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	16.92	0.04920
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	14.62	0.02897

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	10.03	8.16	7.49	7.57	8.38	13.94	-	23.97	-
2437MHz	Pass	10.03	11.27	10.38	10.65	11.24	16.92	-	26.95	-
2462MHz	Pass	10.03	8.33	7.56	7.76	8.57	14.09	-	24.12	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	10.03	6.68	6.22	6.39	7.26	12.68	-	22.71	-
2437MHz	Pass	10.03	8.79	8.11	8.37	9.06	14.62	-	24.65	-
2452MHz	Pass	10.03	7.21	6.49	6.63	7.38	12.96	-	22.99	-

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

Remarks:
Directional gain = 10 x log($(10^{3.5/20}+10^{3.8/20}+10^{4.3/20}+10^{4.4/20})^2/4$) = 10.03 dBi

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	0.60
802.11g_Nss1,(6Mbps)_4TX	-1.98
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-3.89
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-9.25

RBW = 3kHz;

Result

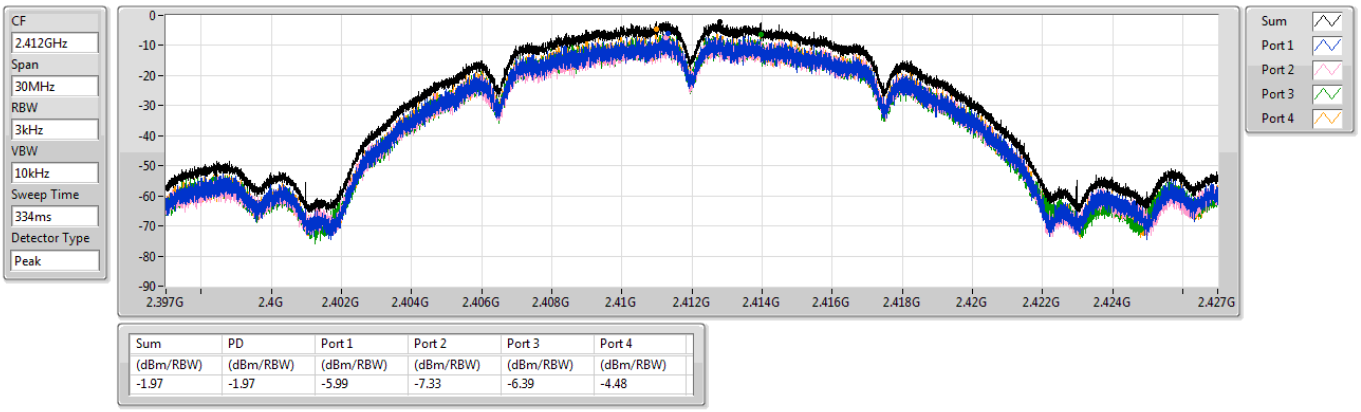
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.03	-5.99	-7.33	-6.39	-4.48	-1.97	3.97
2437MHz	Pass	10.03	-4.38	-5.30	-4.60	-4.60	0.60	3.97
2462MHz	Pass	10.03	-5.46	-6.19	-5.98	-4.85	-1.37	3.97
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.03	-10.43	-10.41	-10.42	-9.34	-6.04	3.97
2437MHz	Pass	10.03	-6.78	-6.39	-7.69	-6.63	-1.98	3.97
2462MHz	Pass	10.03	-8.89	-10.66	-10.06	-10.77	-5.69	3.97
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	10.03	-12.02	-12.64	-11.70	-11.39	-7.58	3.97
2437MHz	Pass	10.03	-8.27	-9.04	-8.83	-7.54	-3.89	3.97
2462MHz	Pass	10.03	-11.28	-12.14	-11.49	-10.11	-7.31	3.97
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	10.03	-14.83	-15.28	-14.92	-14.17	-10.97	3.97
2437MHz	Pass	10.03	-12.95	-14.33	-13.83	-13.30	-9.25	3.97
2452MHz	Pass	10.03	-13.70	-16.10	-15.63	-14.24	-11.02	3.97

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;

Remarks:
Directional gain = 10 x $\log((10^{3.5/20}+10^{3.8/20}+10^{4.3/20}+10^{4.4/20})^2/4)$ = 10.03 dBi > 6dBi, so the limit shall be reduced to 8 dBm – (10.03dBi – 6dBi) = 3.97 dBm

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

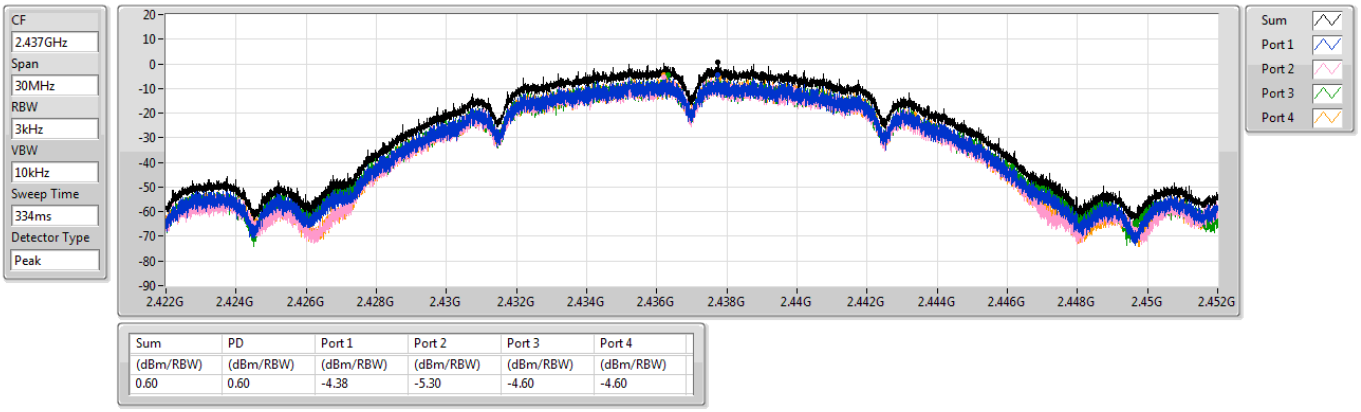
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.97	-1.97	-5.99	-7.33	-6.39	-4.48

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

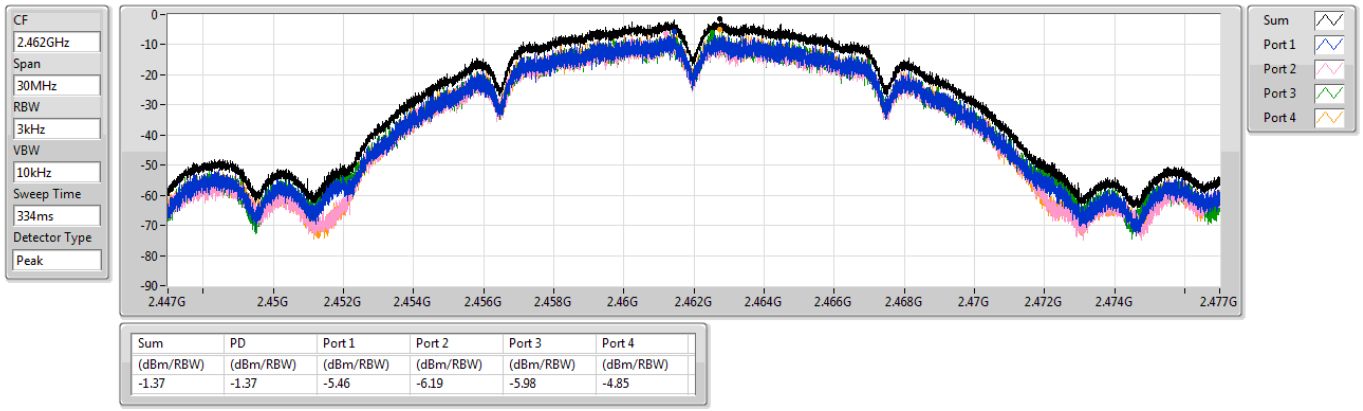
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.60	0.60	-4.38	-5.30	-4.60	-4.60

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **PSD**

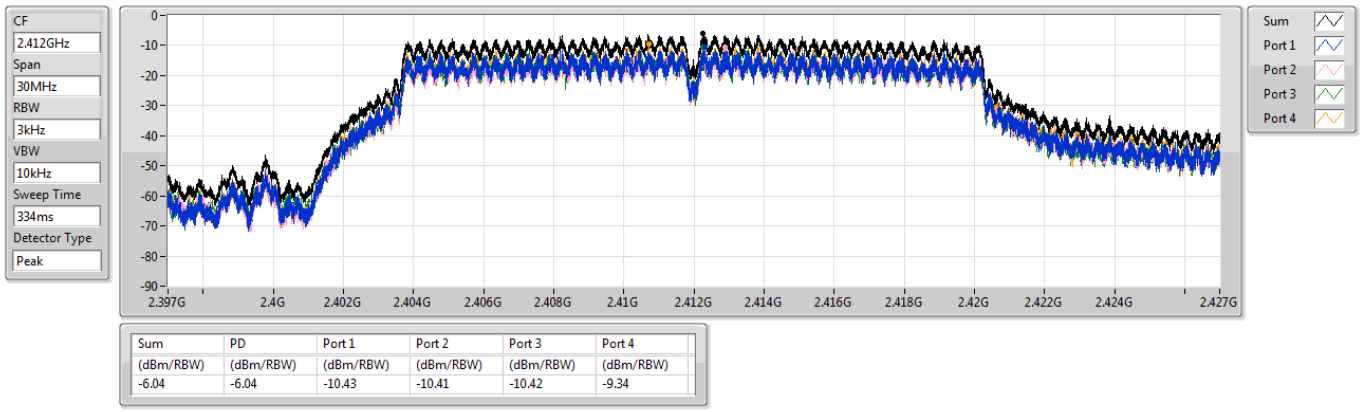
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.37	-1.37	-5.46	-6.19	-5.98	-4.85

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

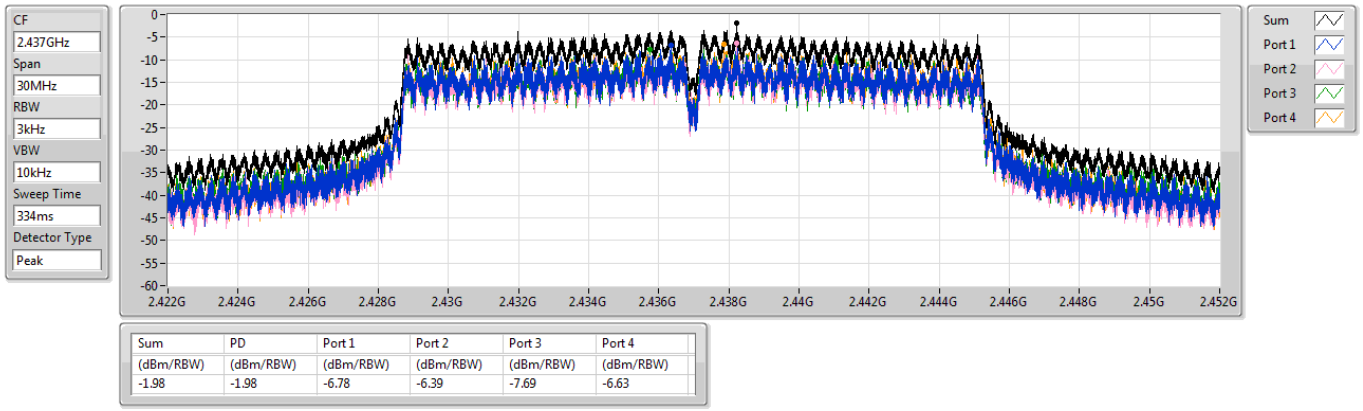
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.04	-6.04	-10.43	-10.41	-10.42	-9.34

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

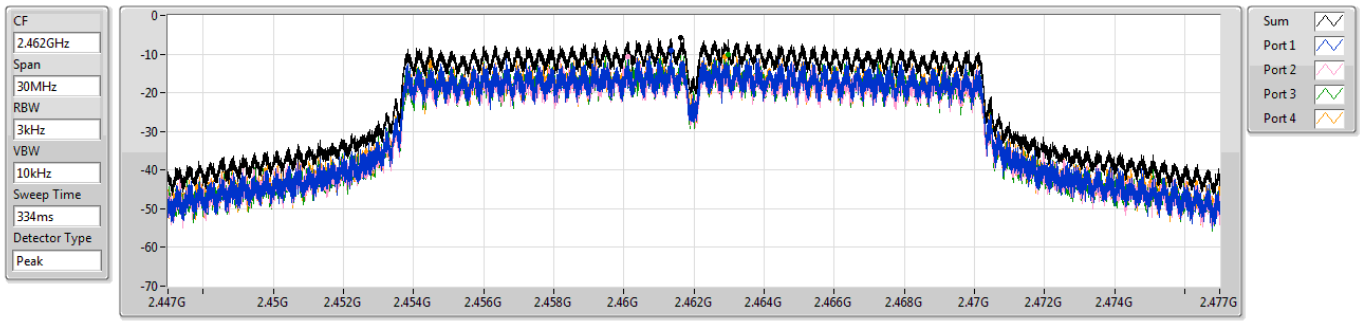
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.98	-1.98	-6.78	-6.39	-7.69	-6.63

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **PSD**

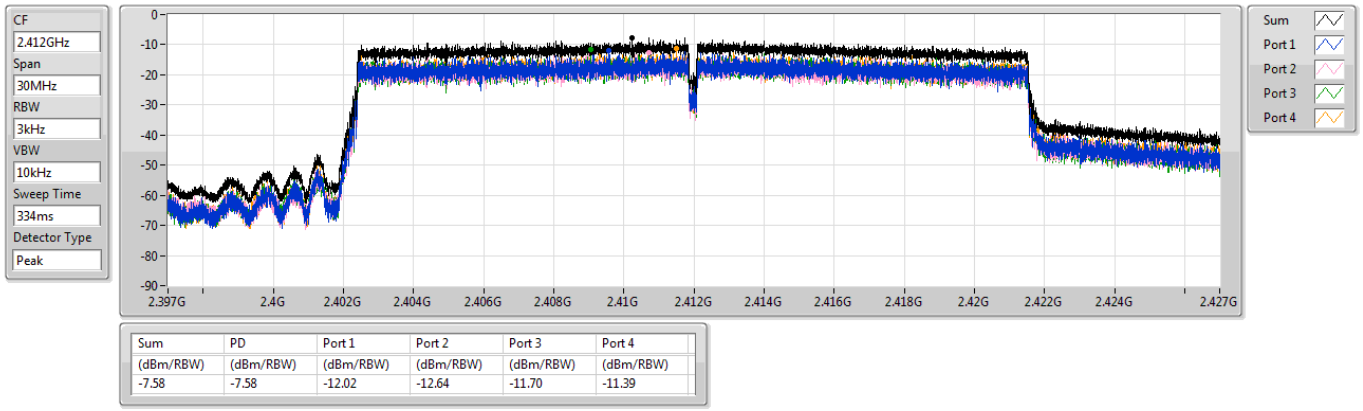
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.69	-5.69	-8.89	-10.66	-10.06	-10.77

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

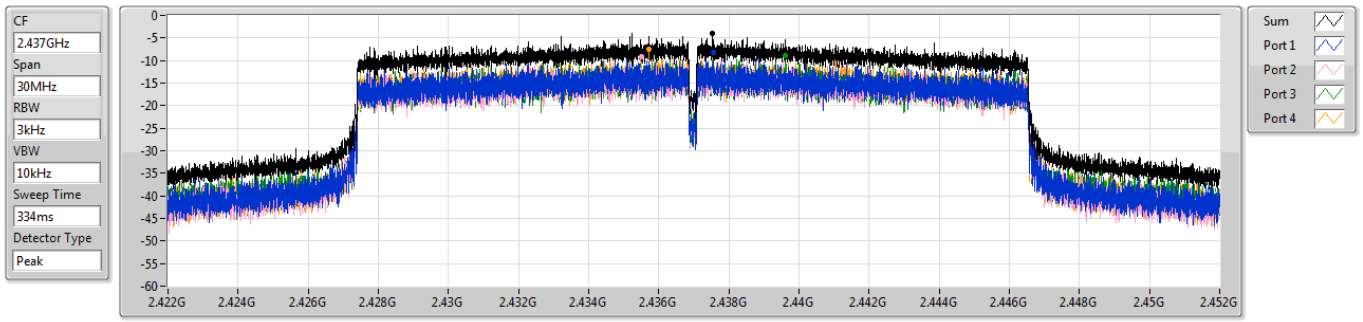
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.58	-7.58	-12.02	-12.64	-11.70	-11.39

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

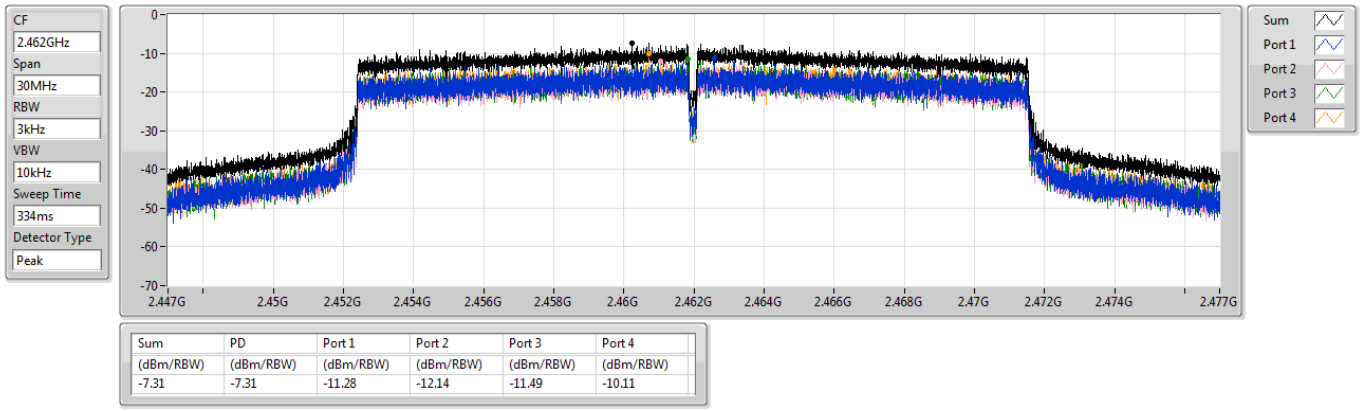
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.89	-3.89	-8.27	-9.04	-8.83	-7.54

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

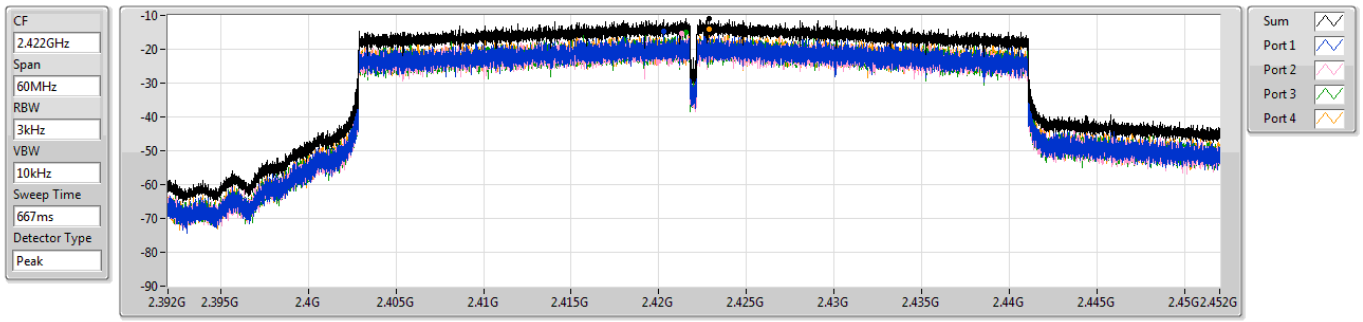
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.31	-7.31	-11.28	-12.14	-11.49	-10.11

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

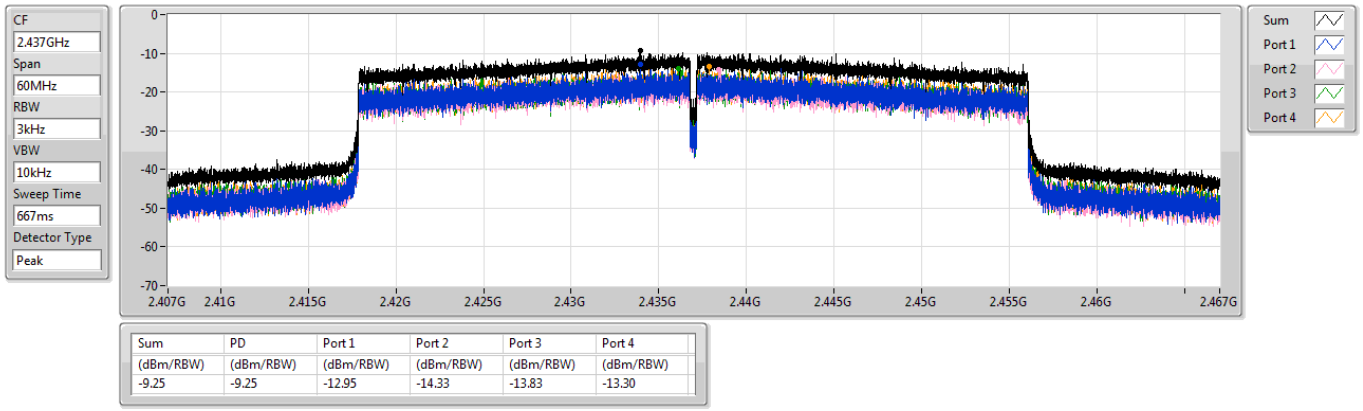
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.97	-10.97	-14.83	-15.28	-14.92	-14.17

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

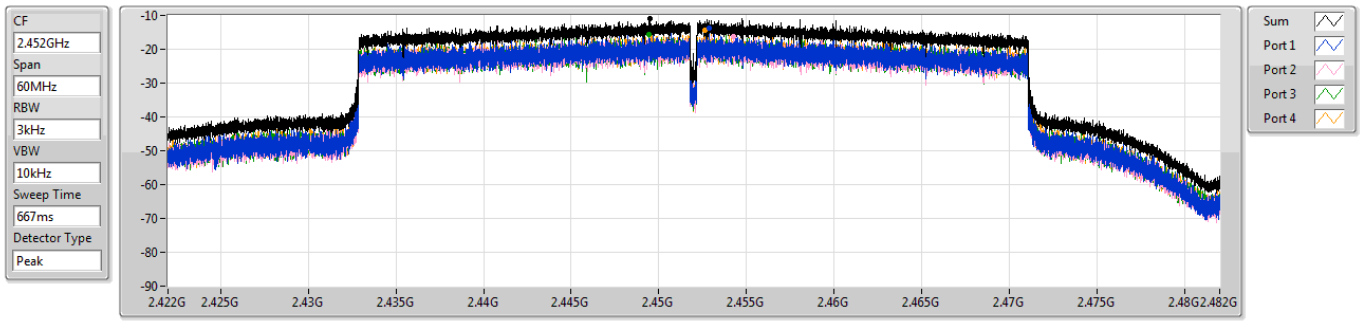
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.25	-9.25	-12.95	-14.33	-13.83	-13.30

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

2452MHz



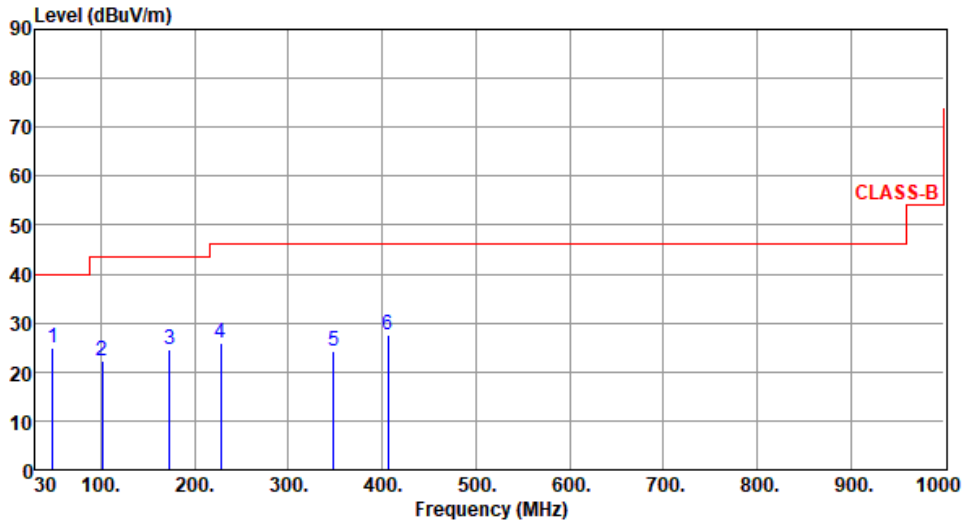
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.02	-11.02	-13.70	-16.10	-15.63	-14.24

POE mode

Unwanted Emissions (Below 1GHz)

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

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

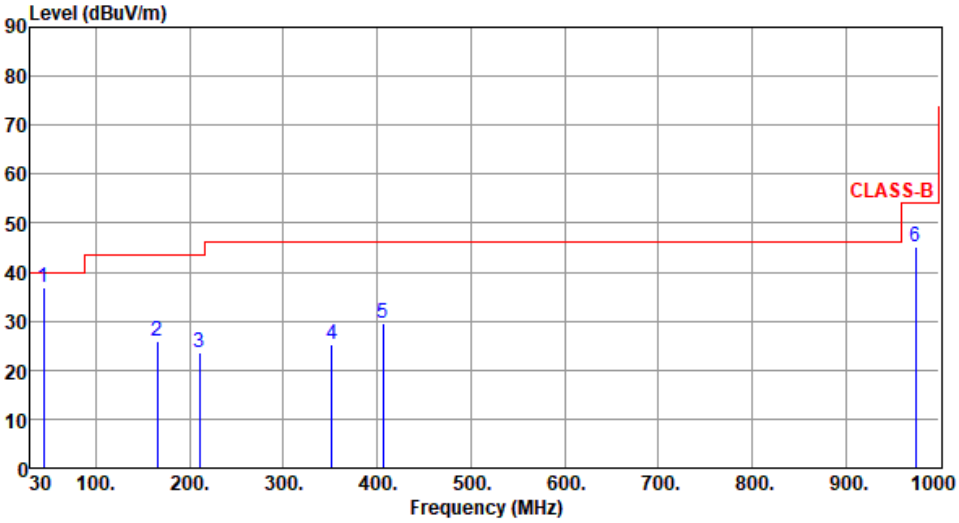


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	48.43	25.00	40.00	-15.00	33.31	-8.31	Peak	---	---
2	101.78	22.28	43.50	-21.22	35.40	-13.12	Peak	---	---
3	173.56	24.63	43.50	-18.87	33.95	-9.32	Peak	---	---
4	227.88	25.97	46.00	-20.03	37.51	-11.54	Peak	---	---
5	348.16	24.31	46.00	-21.69	31.00	-6.69	Peak	---	---
6	406.36	27.47	46.00	-18.53	32.25	-4.78	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	11g	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66



	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	44.55	36.77	40.00	-3.23	45.44	-8.67	Peak	---	---
2	165.80	25.99	43.50	-17.51	34.68	-8.69	Peak	---	---
3	210.42	23.50	43.50	-20.00	35.31	-11.81	Peak	---	---
4	352.04	25.25	46.00	-20.75	31.92	-6.67	Peak	---	---
5	406.36	29.68	46.00	-16.32	34.46	-4.78	Peak	---	---
6	974.78	45.11	54.00	-8.89	38.46	6.65	Peak	---	---

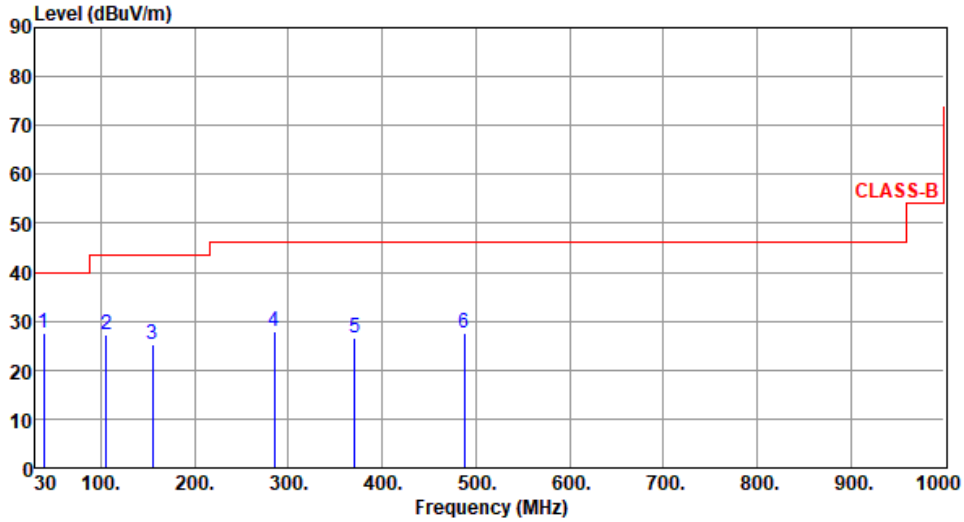
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Adapter mode

Unwanted Emissions (Below 1GHz)

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

Test By :Paul Lin Temperature(℃):24 Humidity(%):66

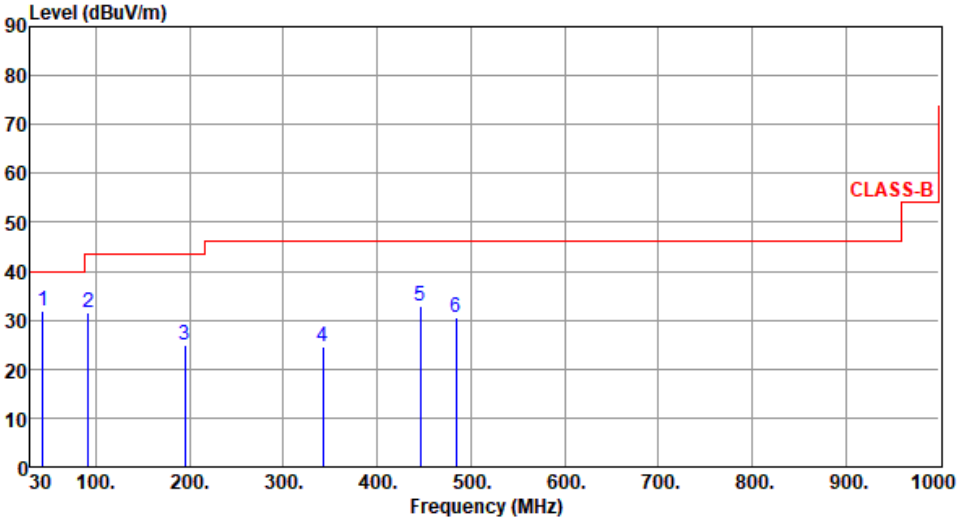


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	38.73	27.64	40.00	-12.36	37.03	-9.39	Peak	---	---
2	105.66	27.21	43.50	-16.29	39.69	-12.48	Peak	---	---
3	155.13	25.15	43.50	-18.35	33.41	-8.26	Peak	---	---
4	285.11	27.96	46.00	-18.04	36.20	-8.24	Peak	---	---
5	370.47	26.64	46.00	-19.36	32.66	-6.02	Peak	---	---
6	487.84	27.55	46.00	-18.45	30.29	-2.74	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	11g	**Test Freq. (MHz)**	2437
Polarization	Vertical		

Test By :Paul Lin Temperature(℃):24 Humidity(%):66



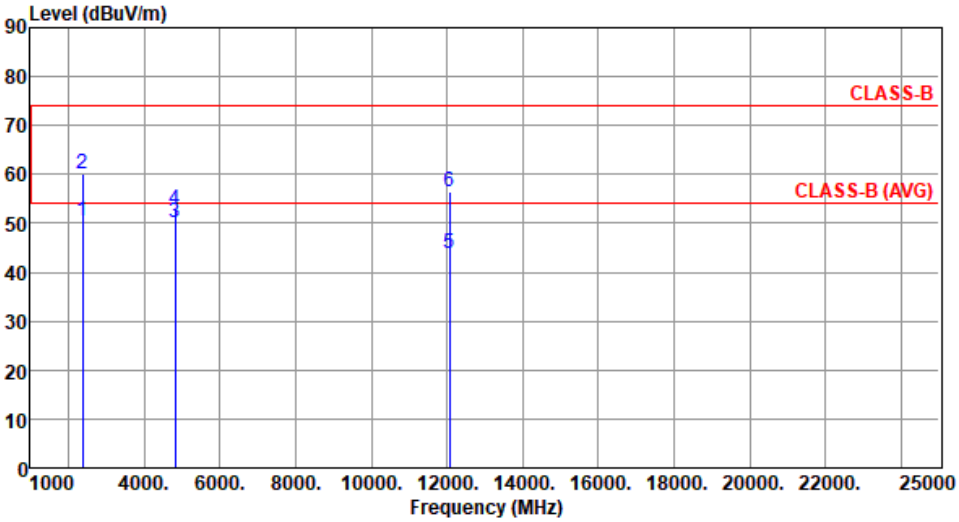
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	43.58	31.79	40.00	-8.21	40.60	-8.81	QP	100	65
2	92.08	31.59	43.50	-11.91	45.94	-14.35	Peak	---	---
3	194.90	24.82	43.50	-18.68	36.32	-11.50	Peak	---	---
4	342.34	24.62	46.00	-21.38	31.34	-6.72	Peak	---	---
5	446.13	32.72	46.00	-13.28	36.20	-3.48	Peak	---	---
6	483.96	30.69	46.00	-15.31	33.57	-2.88	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 :Akun Chung Temperature(℃):25 Humidity(%):64

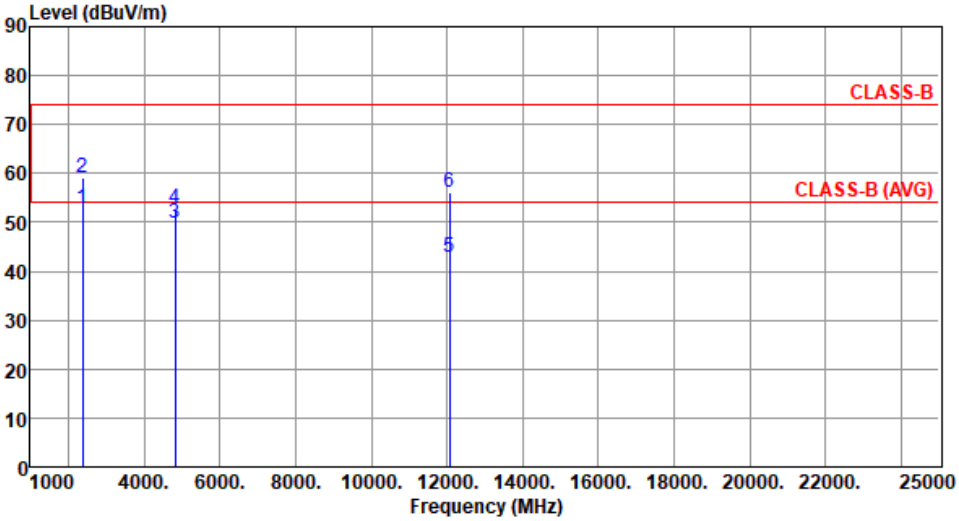


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	50.54	54.00	-3.46	54.33	-3.79	Average	169	353
2	2390.00	60.09	74.00	-13.91	63.88	-3.79	Peak	169	353
3	4824.00	50.23	54.00	-3.77	50.11	0.12	Average	127	354
4	4824.00	52.66	74.00	-21.34	52.54	0.12	Peak	127	354
5	12060.00	43.71	54.00	-10.29	35.91	7.80	Average	100	352
6	12060.00	56.46	74.00	-17.54	48.66	7.80	Peak	100	352

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 :Akun Chung Temperature(℃):25 Humidity(%):64

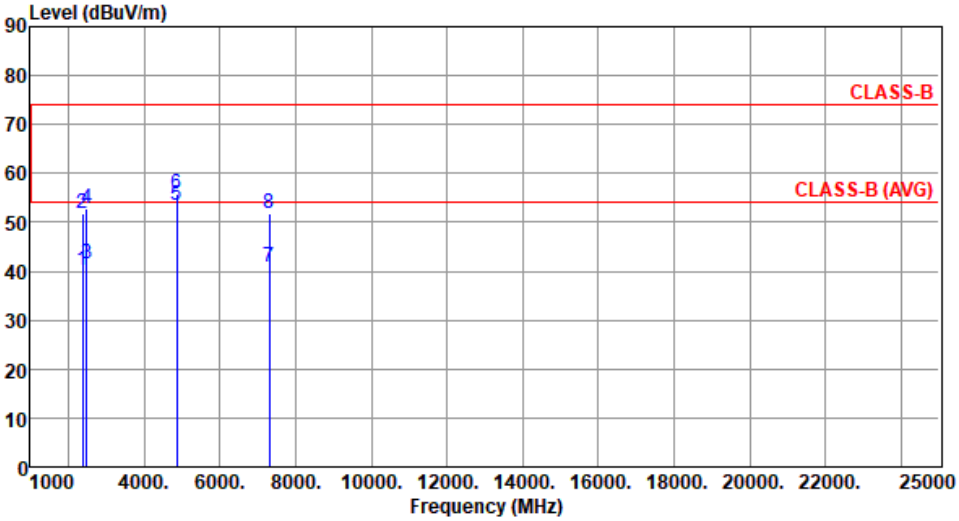


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	52.86	54.00	-1.14	56.65	-3.79	Average	130	1
2	2390.00	59.06	74.00	-14.94	62.85	-3.79	Peak	130	1
3	4824.00	49.67	54.00	-4.33	49.55	0.12	Average	109	29
4	4824.00	52.77	74.00	-21.23	52.65	0.12	Peak	109	29
5	12060.00	42.91	54.00	-11.09	35.11	7.80	Average	100	30
6	12060.00	56.03	74.00	-17.97	48.23	7.80	Peak	100	30

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 :Akun Chung Temperature(℃):25 Humidity(%):64

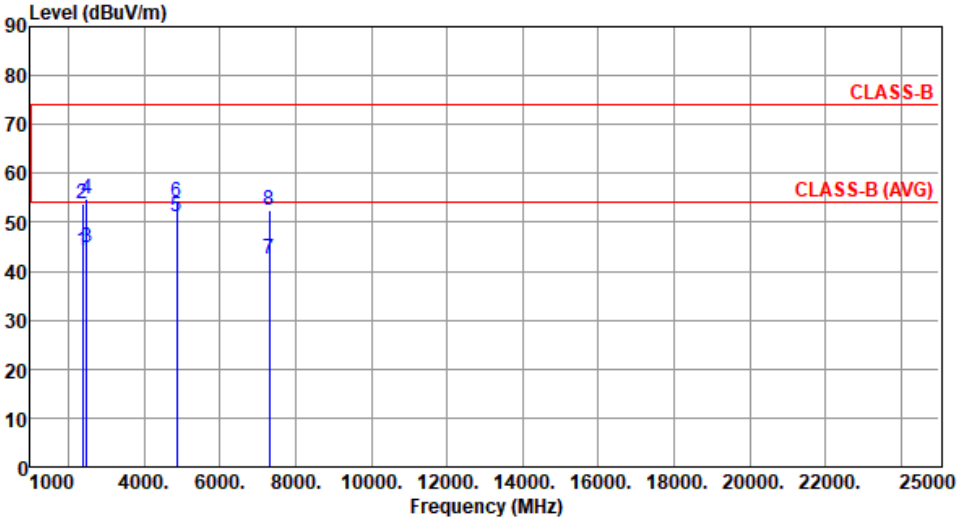


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.08	54.00	-13.92	43.87	-3.79	Average	318	359
2	2390.00	51.96	74.00	-22.04	55.75	-3.79	Peak	318	359
3	2483.50	41.54	54.00	-12.46	45.63	-4.09	Average	318	359
4	2483.50	52.79	74.00	-21.21	56.88	-4.09	Peak	318	359
5	4874.00	53.32	54.00	-0.68	53.20	0.12	Average	255	1
6	4874.00	55.93	74.00	-18.07	55.81	0.12	Peak	255	1
7	7311.00	40.72	54.00	-13.28	34.78	5.94	Average	136	47
8	7311.00	51.71	74.00	-22.29	45.77	5.94	Peak	136	47

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 :Akun Chung Temperature(℃):25 Humidity(%):64

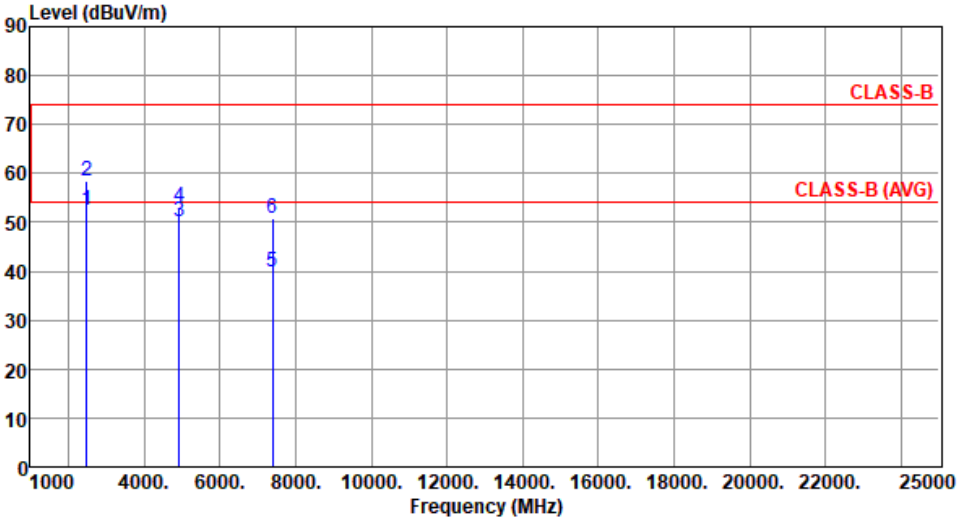


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	44.01	54.00	-9.99	47.80	-3.79	Average	201	24
2	2390.00	53.66	74.00	-20.34	57.45	-3.79	Peak	201	24
3	2483.50	44.99	54.00	-9.01	49.08	-4.09	Average	201	24
4	2483.50	54.87	74.00	-19.13	58.96	-4.09	Peak	201	24
5	4874.00	51.25	54.00	-2.75	51.13	0.12	Average	102	23
6	4874.00	54.20	74.00	-19.80	54.08	0.12	Peak	102	23
7	7311.00	42.60	54.00	-11.40	36.66	5.94	Average	141	11
8	7311.00	52.63	74.00	-21.37	46.69	5.94	Peak	141	11

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 :Akun Chung Temperature(℃):25 Humidity(%):64

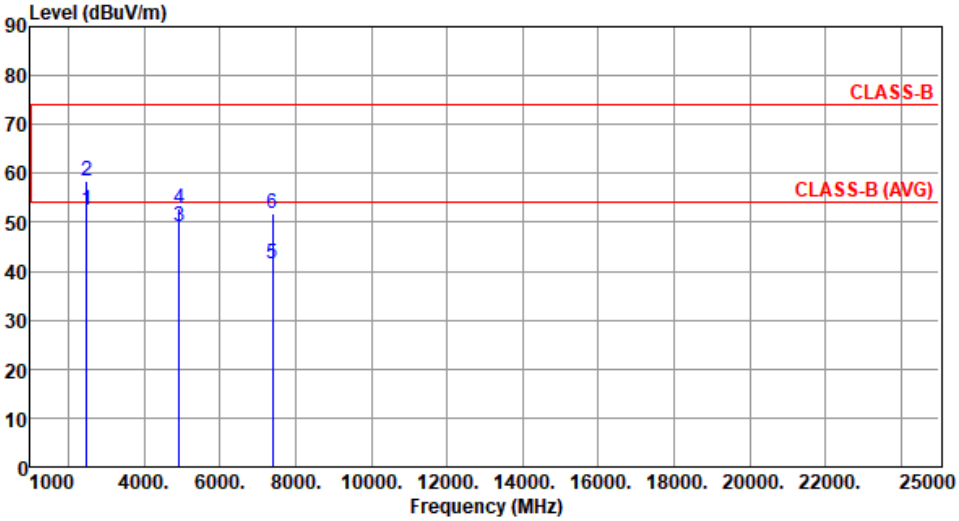


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	52.32	54.00	-1.68	56.41	-4.09	Average	299	350
2	2483.50	58.40	74.00	-15.60	62.49	-4.09	Peak	299	350
3	4924.00	50.18	54.00	-3.82	50.10	0.08	Average	250	356
4	4924.00	53.11	74.00	-20.89	53.03	0.08	Peak	250	356
5	7386.00	39.87	54.00	-14.13	33.98	5.89	Average	148	50
6	7386.00	50.84	74.00	-23.16	44.95	5.89	Peak	148	50

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 :Akun Chung Temperature(℃):25 Humidity(%):64



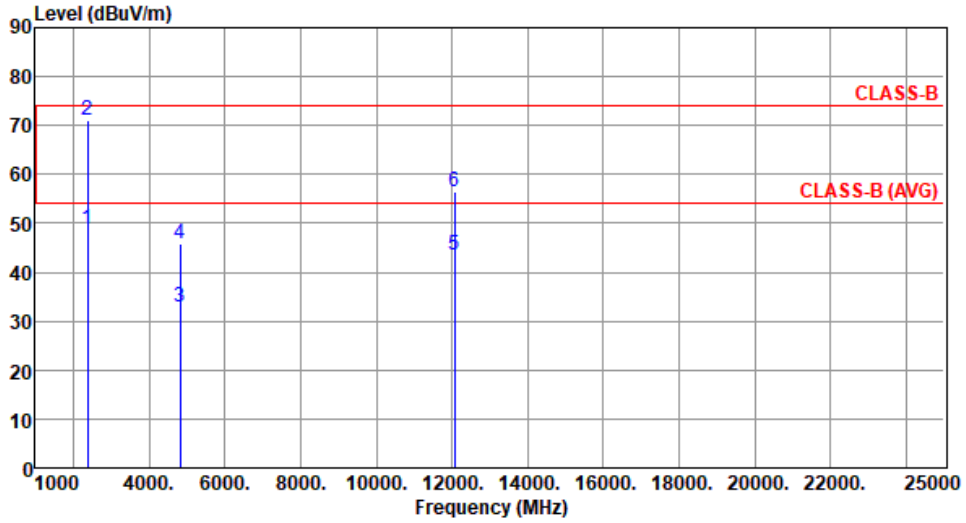
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	52.52	54.00	-1.48	56.61	-4.09	Average	185	18
2	2483.50	58.47	74.00	-15.53	62.56	-4.09	Peak	185	18
3	4924.00	49.16	54.00	-4.84	49.08	0.08	Average	105	19
4	4924.00	52.96	74.00	-21.04	52.88	0.08	Peak	105	19
5	7386.00	41.43	54.00	-12.57	35.54	5.89	Average	133	15
6	7386.00	51.74	74.00	-22.26	45.85	5.89	Peak	133	15

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 :Akun Chung Temperature(℃):25 Humidity(%):64

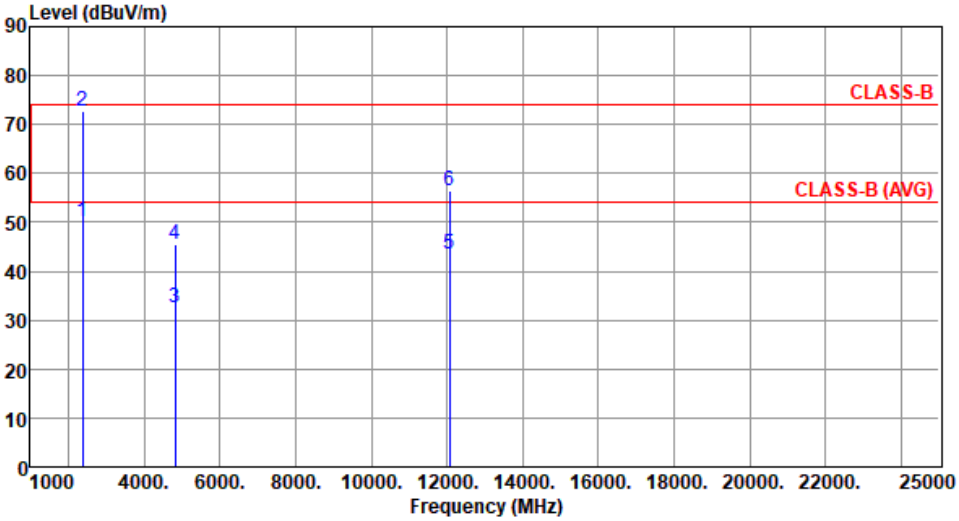


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	48.73	54.00	-5.27	52.52	-3.79	Average	189	308
2	2390.00	71.09	74.00	-2.91	74.88	-3.79	Peak	189	308
3	4824.00	32.97	54.00	-21.03	32.85	0.12	Average	250	1
4	4824.00	45.86	74.00	-28.14	45.74	0.12	Peak	250	1
5	12060.00	43.50	54.00	-10.50	35.70	7.80	Average	100	2
6	12060.00	56.48	74.00	-17.52	48.68	7.80	Peak	100	2

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 :Akun Chung Temperature(℃):25 Humidity(%):64

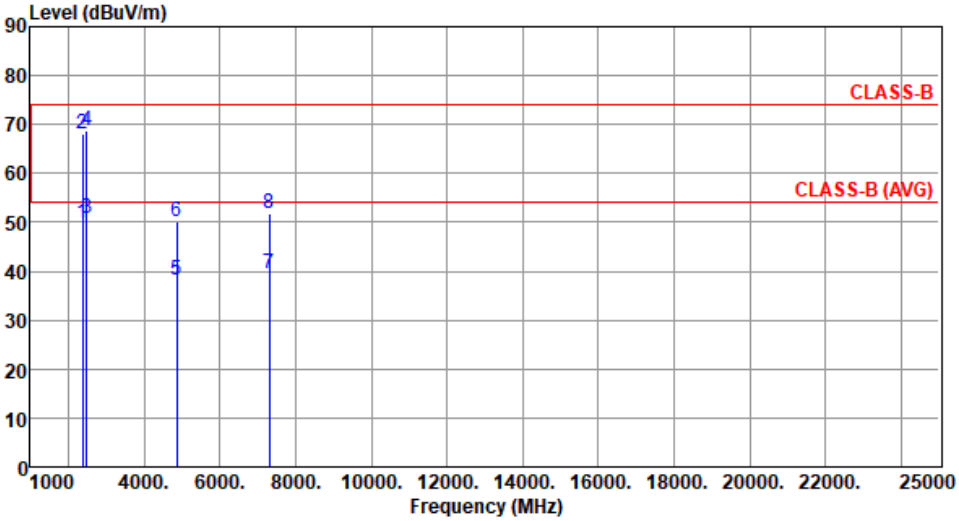


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	50.18	54.00	-3.82	53.97	-3.79	Average	126	341
2	2390.00	72.73	74.00	-1.27	76.52	-3.79	Peak	126	341
3	4824.00	32.65	54.00	-21.35	32.53	0.12	Average	256	5
4	4824.00	45.56	74.00	-28.44	45.44	0.12	Peak	256	5
5	12060.00	43.46	54.00	-10.54	35.66	7.80	Average	100	15
6	12060.00	56.38	74.00	-17.62	48.58	7.80	Peak	100	15

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 :Akun Chung Temperature(°C):25 Humidity(%):64

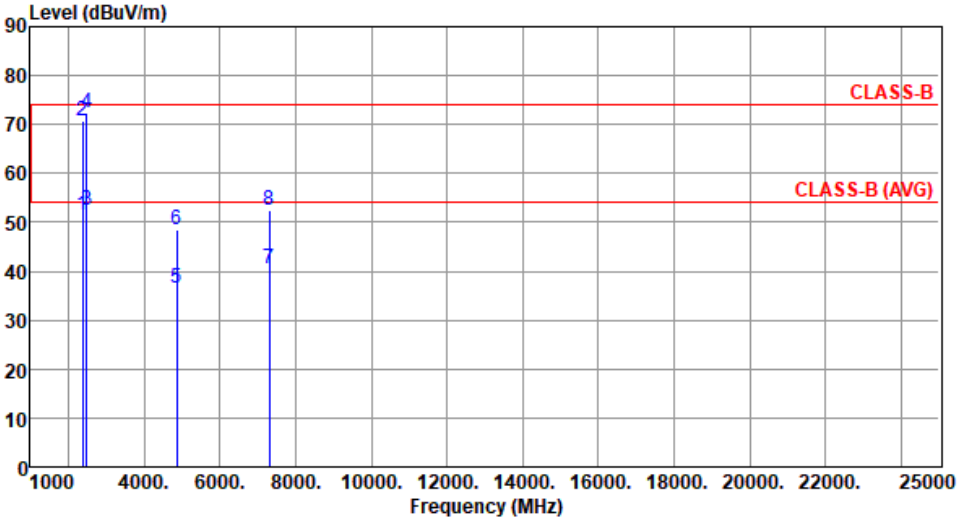


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	49.76	54.00	-4.24	53.55	-3.79	Average	108	357
2	2390.00	68.16	74.00	-5.84	71.95	-3.79	Peak	108	357
3	2483.50	50.78	54.00	-3.22	54.87	-4.09	Average	302	349
4	2483.50	68.79	74.00	-5.21	72.88	-4.09	Peak	302	349
5	4874.00	38.09	54.00	-15.91	37.97	0.12	Average	248	2
6	4874.00	50.09	74.00	-23.91	49.97	0.12	Peak	248	2
7	7311.00	39.39	54.00	-14.61	33.45	5.94	Average	142	49
8	7311.00	51.79	74.00	-22.21	45.85	5.94	Peak	142	49

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 :Akun Chung Temperature(℃):25 Humidity(%):64

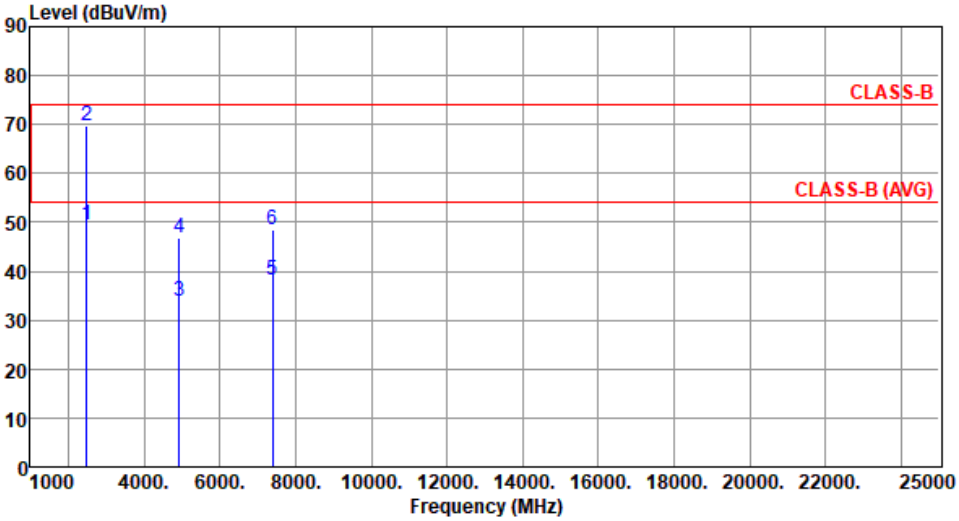


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	51.40	54.00	-2.60	55.19	-3.79	Average	111	339
2	2390.00	70.76	74.00	-3.24	74.55	-3.79	Peak	111	339
3	2483.50	52.57	54.00	-1.43	56.66	-4.09	Average	162	341
4	2483.50	72.27	74.00	-1.73	76.36	-4.09	Peak	162	341
5	4874.00	36.46	54.00	-17.54	36.34	0.12	Average	251	3
6	4874.00	48.58	74.00	-25.42	48.46	0.12	Peak	251	3
7	7311.00	40.50	54.00	-13.50	34.56	5.94	Average	122	9
8	7311.00	52.52	74.00	-21.48	46.58	5.94	Peak	122	9

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 :Akun Chung Temperature(℃):25 Humidity(%):64

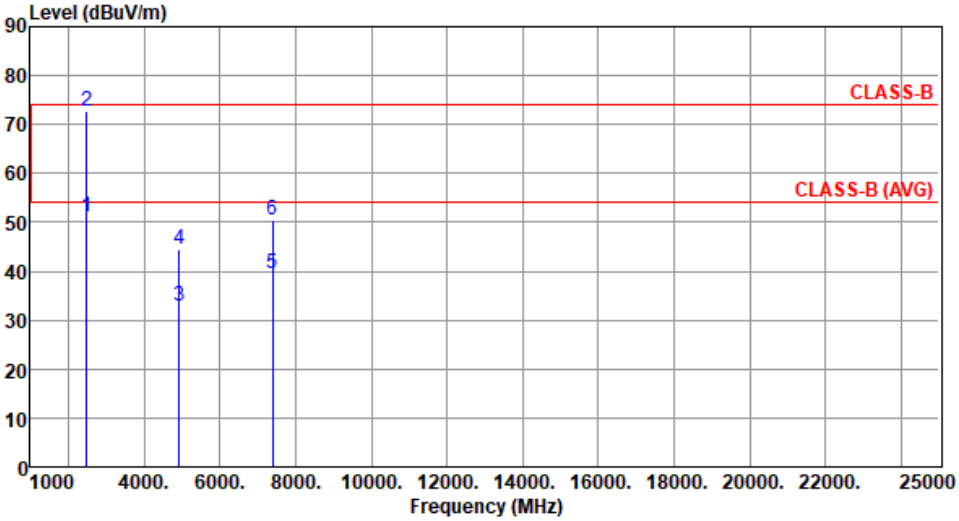


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	49.36	54.00	-4.64	53.45	-4.09	Average	182	299
2	2483.50	69.87	74.00	-4.13	73.96	-4.09	Peak	182	299
3	4924.00	33.92	54.00	-20.08	33.84	0.08	Average	239	2
4	4924.00	46.93	74.00	-27.07	46.85	0.08	Peak	239	2
5	7386.00	38.17	54.00	-15.83	32.28	5.89	Average	100	50
6	7386.00	48.46	74.00	-25.54	42.57	5.89	Peak	100	50

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 :Akun Chung Temperature(℃):25 Humidity(%):64



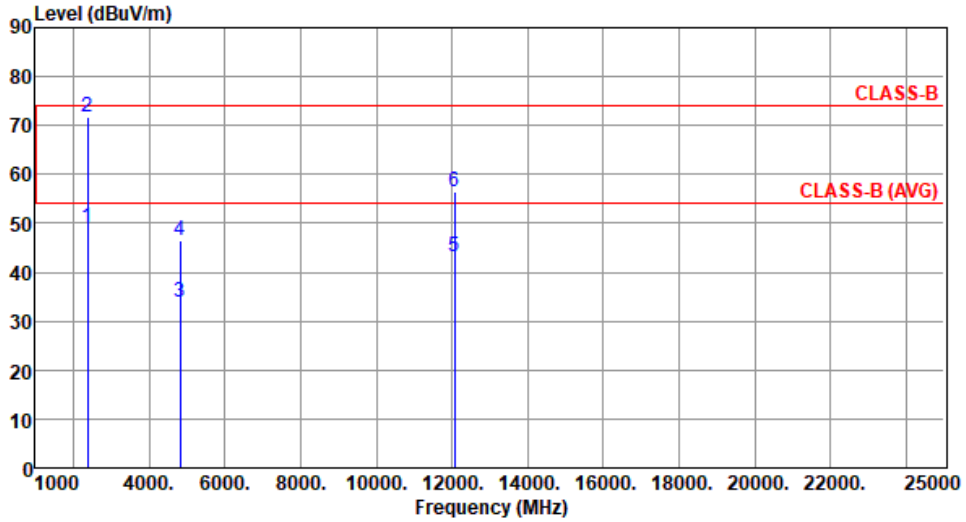
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	51.13	54.00	-2.87	55.22	-4.09	Average	125	348
2	2483.50	72.89	74.00	-1.11	76.98	-4.09	Peak	125	348
3	4924.00	32.72	54.00	-21.28	32.64	0.08	Average	250	4
4	4924.00	44.62	74.00	-29.38	44.54	0.08	Peak	250	4
5	7386.00	39.47	54.00	-14.53	33.58	5.89	Average	100	10
6	7386.00	50.47	74.00	-23.53	44.58	5.89	Peak	100	10

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 :Akun Chung Temperature(℃):25 Humidity(%):64

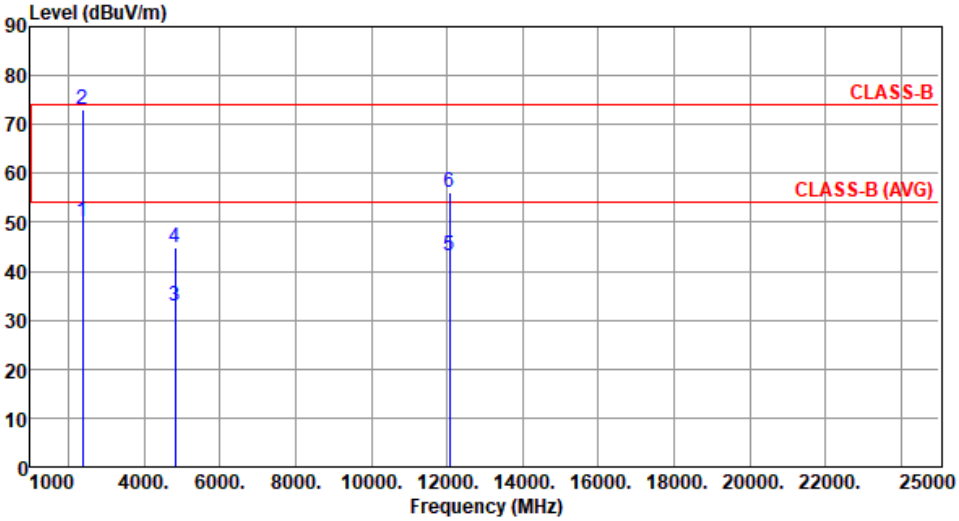


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	49.08	54.00	-4.92	52.87	-3.79	Average	256	322
2	2390.00	71.66	74.00	-2.34	75.45	-3.79	Peak	256	322
3	4824.00	33.78	54.00	-20.22	33.66	0.12	Average	100	7
4	4824.00	46.56	74.00	-27.44	46.44	0.12	Peak	100	7
5	12060.00	43.31	54.00	-10.69	35.51	7.80	Average	100	12
6	12060.00	56.32	74.00	-17.68	48.52	7.80	Peak	100	12

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 :Akun Chung Temperature(℃):25 Humidity(%):64

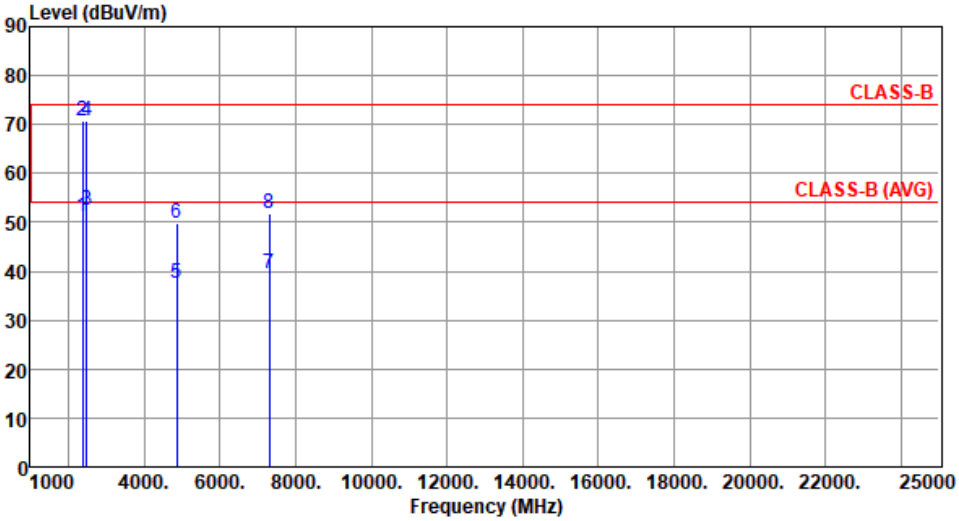


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	50.20	54.00	-3.80	53.99	-3.79	Average	109	352
2	2390.00	73.18	74.00	-0.82	76.97	-3.79	Peak	109	352
3	4824.00	32.91	54.00	-21.09	32.79	0.12	Average	100	19
4	4824.00	44.86	74.00	-29.14	44.74	0.12	Peak	100	19
5	12060.00	43.15	54.00	-10.85	35.35	7.80	Average	100	20
6	12060.00	56.22	74.00	-17.78	48.42	7.80	Peak	100	20

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 :Akun Chung Temperature(℃):25 Humidity(%):64

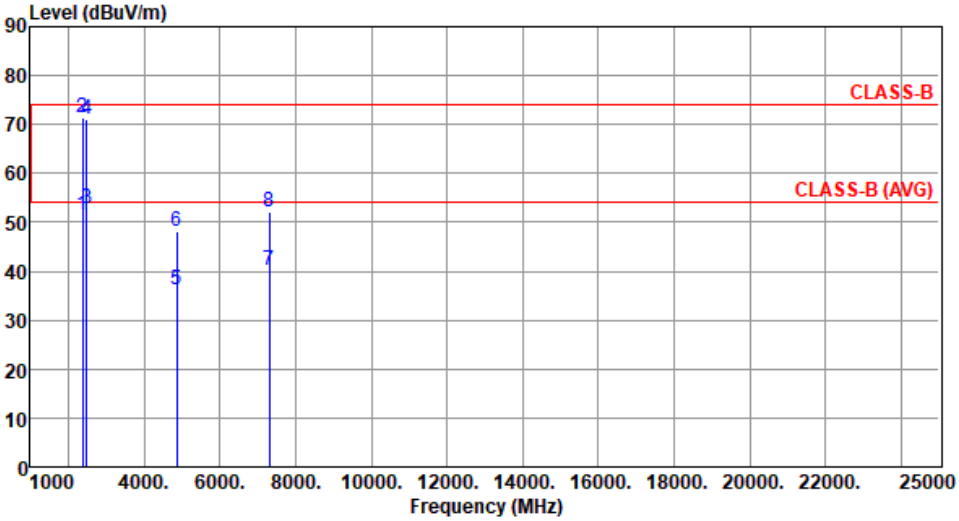


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	51.16	54.00	-2.84	54.95	-3.79	Average	188	303
2	2390.00	70.75	74.00	-3.25	74.54	-3.79	Peak	188	303
3	2483.50	52.36	54.00	-1.64	56.45	-4.09	Average	111	308
4	2483.50	70.86	74.00	-3.14	74.95	-4.09	Peak	111	308
5	4874.00	37.65	54.00	-16.35	37.53	0.12	Average	239	6
6	4874.00	49.98	74.00	-24.02	49.86	0.12	Peak	239	6
7	7311.00	39.52	54.00	-14.48	33.58	5.94	Average	148	52
8	7311.00	51.81	74.00	-22.19	45.87	5.94	Peak	148	52

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 :Akun Chung Temperature(℃):25 Humidity(%):64

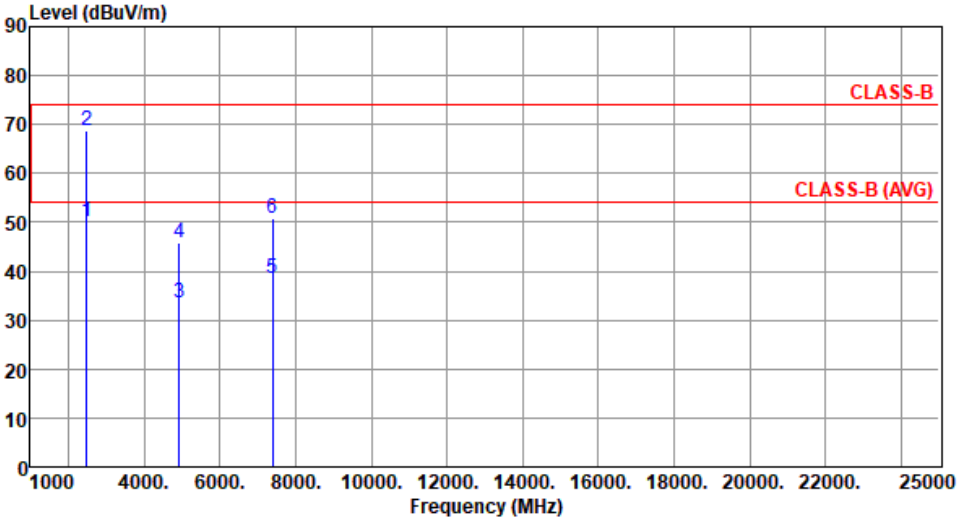


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	51.36	54.00	-2.64	55.15	-3.79	Average	187	325
2	2390.00	71.32	74.00	-2.68	75.11	-3.79	Peak	187	325
3	2483.50	52.86	54.00	-1.14	56.95	-4.09	Average	202	343
4	2483.50	71.16	74.00	-2.84	75.25	-4.09	Peak	202	343
5	4874.00	36.08	54.00	-17.92	35.96	0.12	Average	258	4
6	4874.00	48.00	74.00	-26.00	47.88	0.12	Peak	258	4
7	7311.00	40.27	54.00	-13.73	34.33	5.94	Average	130	11
8	7311.00	52.16	74.00	-21.84	46.22	5.94	Peak	130	11

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 :Akun Chung Temperature(℃):25 Humidity(%):64

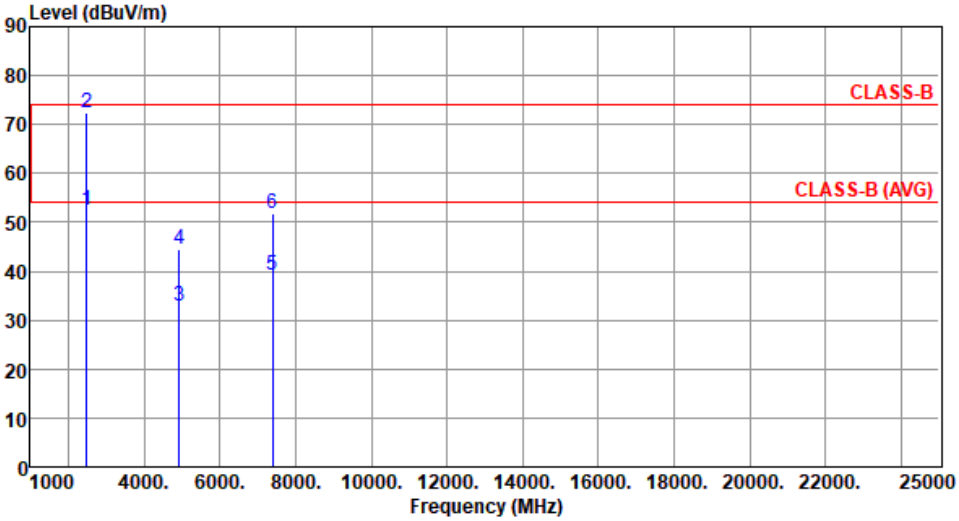


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	50.14	54.00	-3.86	54.23	-4.09	Average	212	352
2	2483.50	68.79	74.00	-5.21	72.88	-4.09	Peak	212	352
3	4924.00	33.56	54.00	-20.44	33.48	0.08	Average	100	17
4	4924.00	45.83	74.00	-28.17	45.75	0.08	Peak	100	17
5	7386.00	38.43	54.00	-15.57	32.54	5.89	Average	100	57
6	7386.00	50.74	74.00	-23.26	44.85	5.89	Peak	100	57

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 :Akun Chung Temperature(℃):25 Humidity(%):64



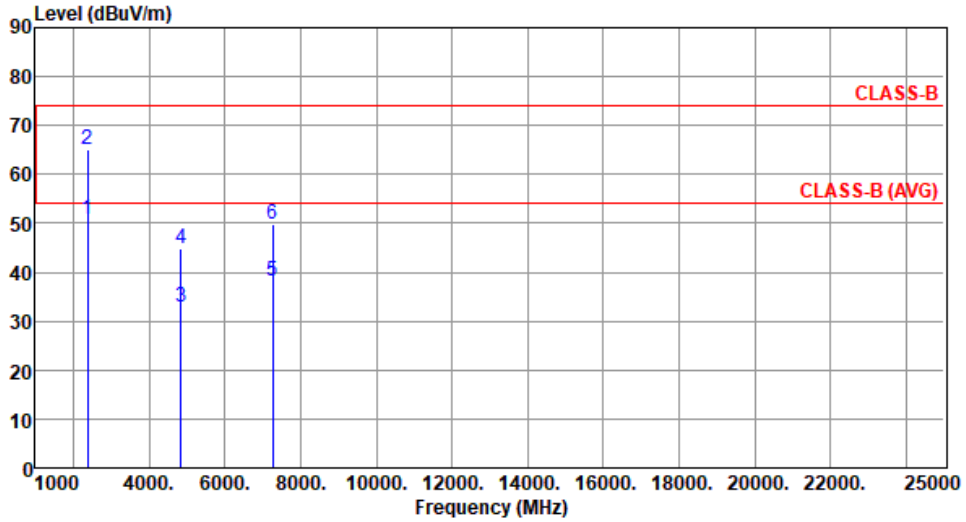
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	52.50	54.00	-1.50	56.59	-4.09	Average	263	4
2	2483.50	72.44	74.00	-1.56	76.53	-4.09	Peak	263	4
3	4924.00	32.83	54.00	-21.17	32.75	0.08	Average	100	6
4	4924.00	44.66	74.00	-29.34	44.58	0.08	Peak	100	6
5	7386.00	39.28	54.00	-14.72	33.39	5.89	Average	100	12
6	7386.00	51.67	74.00	-22.33	45.78	5.89	Peak	100	12

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 :Akun Chung Temperature(℃):25 Humidity(%):64

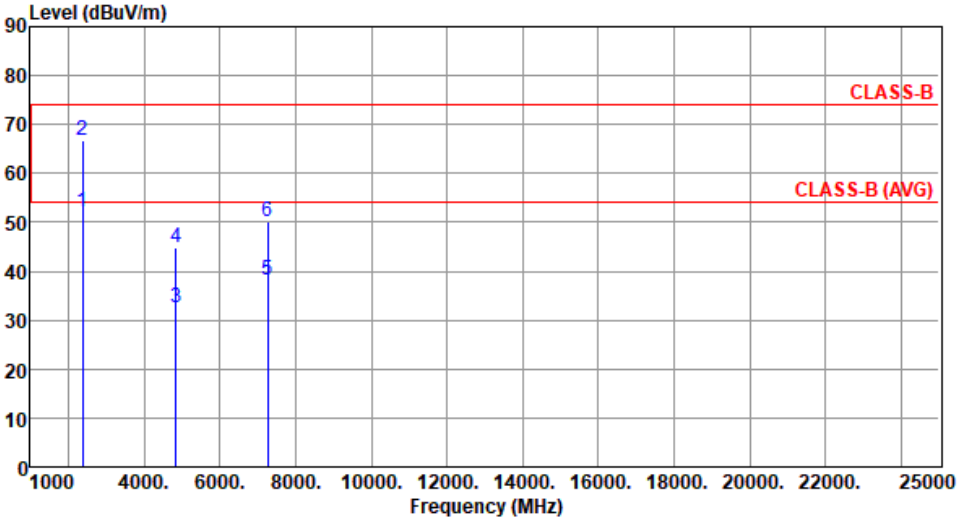


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	50.75	54.00	-3.25	54.54	-3.79	Average	222	329
2	2390.00	65.08	74.00	-8.92	68.87	-3.79	Peak	222	329
3	4844.00	33.03	54.00	-20.97	32.83	0.20	Average	100	2
4	4844.00	44.94	74.00	-29.06	44.74	0.20	Peak	100	2
5	7266.00	38.16	54.00	-15.84	32.18	5.98	Average	100	40
6	7266.00	49.83	74.00	-24.17	43.85	5.98	Peak	100	40

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 :Akun Chung Temperature(℃):25 Humidity(%):64

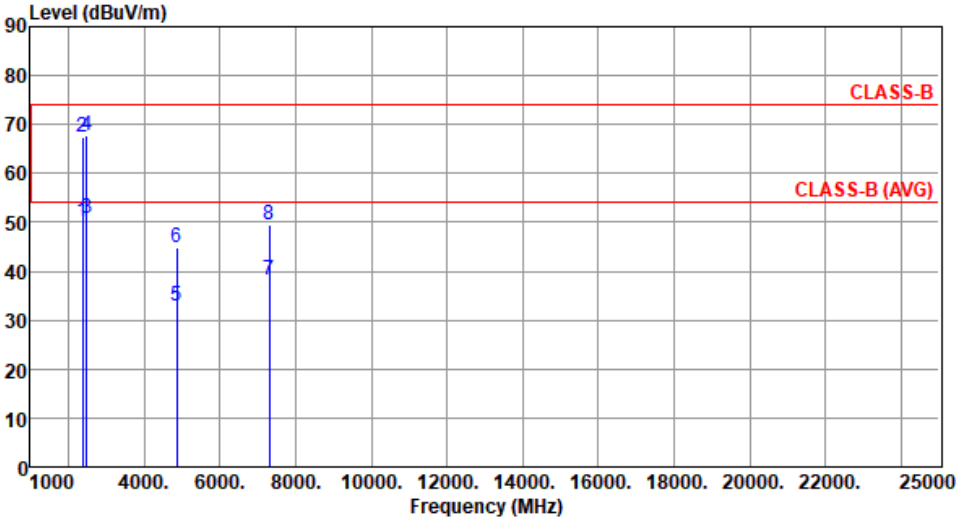


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	52.04	54.00	-1.96	55.83	-3.79	Average	137	307
2	2390.00	66.76	74.00	-7.24	70.55	-3.79	Peak	137	307
3	4844.00	32.59	54.00	-21.41	32.39	0.20	Average	100	7
4	4844.00	44.93	74.00	-29.07	44.73	0.20	Peak	100	7
5	7266.00	38.19	54.00	-15.81	32.21	5.98	Average	100	10
6	7266.00	50.21	74.00	-23.79	44.23	5.98	Peak	100	10

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 :Akun Chung Temperature(℃):25 Humidity(%):64

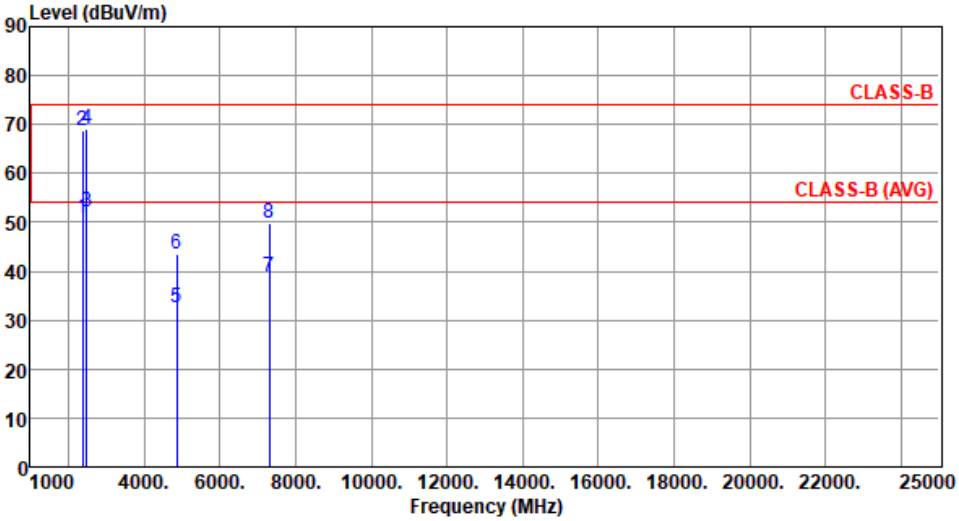


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	50.16	54.00	-3.84	53.95	-3.79	Average	288	299
2	2390.00	67.26	74.00	-6.74	71.05	-3.79	Peak	288	299
3	2483.50	50.78	54.00	-3.22	54.87	-4.09	Average	199	3
4	2483.50	67.76	74.00	-6.24	71.85	-4.09	Peak	199	3
5	4874.00	32.84	54.00	-21.16	32.72	0.12	Average	100	5
6	4874.00	44.91	74.00	-29.09	44.79	0.12	Peak	100	5
7	7311.00	38.34	54.00	-15.66	32.40	5.94	Average	100	52
8	7311.00	49.48	74.00	-24.52	43.54	5.94	Peak	100	52

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 :Akun Chung Temperature(°C):25 Humidity(%):64

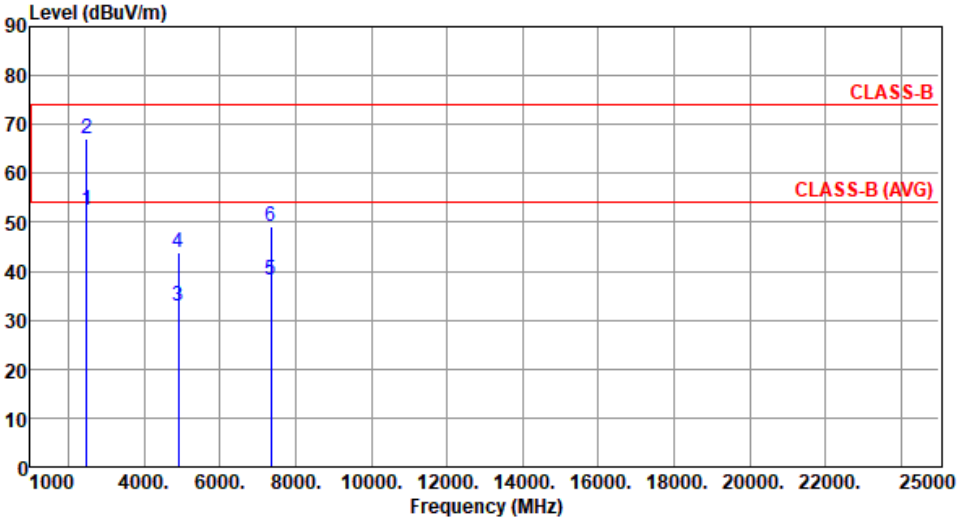


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	50.74	54.00	-3.26	54.53	-3.79	Average	101	350
2	2390.00	68.76	74.00	-5.24	72.55	-3.79	Peak	101	350
3	2483.50	52.20	54.00	-1.80	56.29	-4.09	Average	101	346
4	2483.50	69.11	74.00	-4.89	73.20	-4.09	Peak	101	346
5	4874.00	32.43	54.00	-21.57	32.31	0.12	Average	100	6
6	4874.00	43.41	74.00	-30.59	43.29	0.12	Peak	100	6
7	7311.00	38.83	54.00	-15.17	32.89	5.94	Average	100	9
8	7311.00	49.81	74.00	-24.19	43.87	5.94	Peak	100	9

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 :Akun Chung Temperature(℃):25 Humidity(%):64

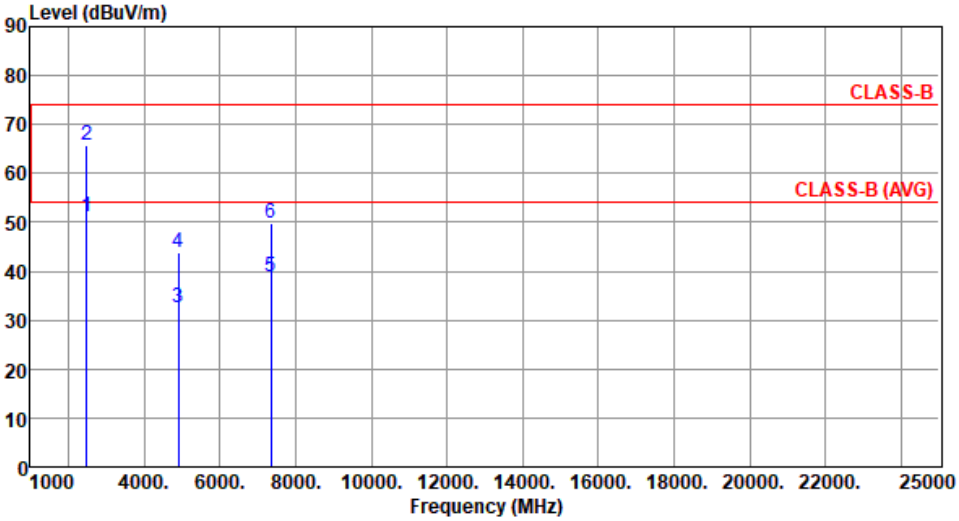


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	52.61	54.00	-1.39	56.70	-4.09	Average	106	347
2	2483.50	67.13	74.00	-6.87	71.22	-4.09	Peak	106	347
3	4904.00	32.81	54.00	-21.19	32.78	0.03	Average	100	11
4	4904.00	43.88	74.00	-30.12	43.85	0.03	Peak	100	11
5	7356.00	38.03	54.00	-15.97	32.18	5.85	Average	100	41
6	7356.00	49.12	74.00	-24.88	43.27	5.85	Peak	100	41

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 :Akun Chung Temperature(℃):25 Humidity(%):64

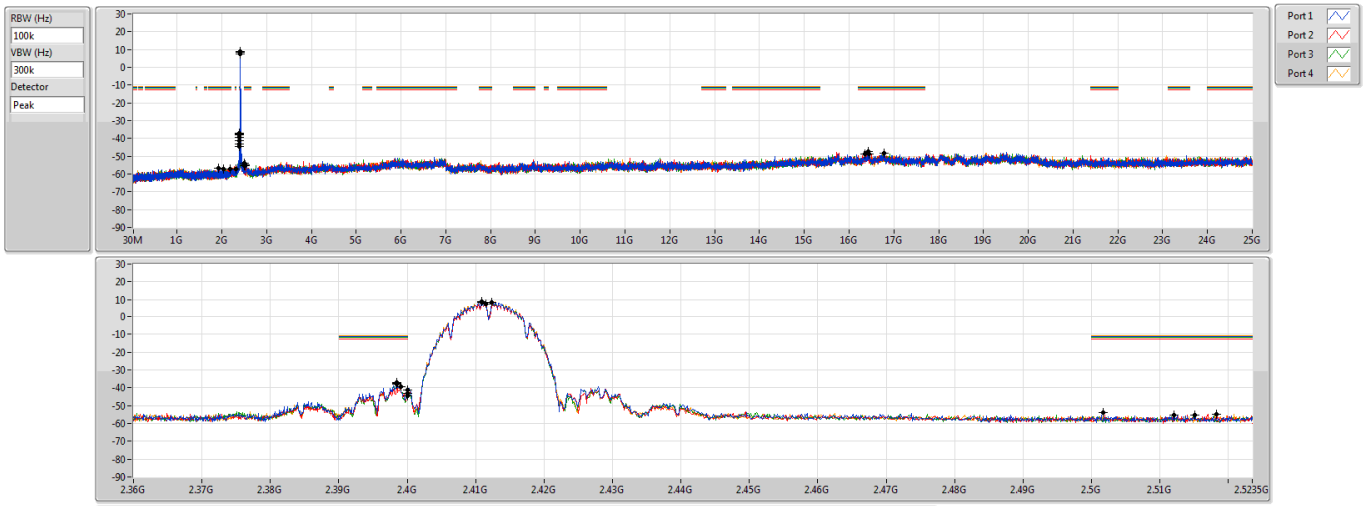


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2483.50	51.13	54.00	-2.87	55.22	-4.09	Average	223	318
2	2483.50	65.91	74.00	-8.09	70.00	-4.09	Peak	223	318
3	4904.00	32.63	54.00	-21.37	32.60	0.03	Average	100	8
4	4904.00	43.91	74.00	-30.09	43.88	0.03	Peak	100	8
5	7356.00	38.80	54.00	-15.20	32.95	5.85	Average	100	1
6	7356.00	49.70	74.00	-24.30	43.85	5.85	Peak	100	1

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)_4TX CSENdB

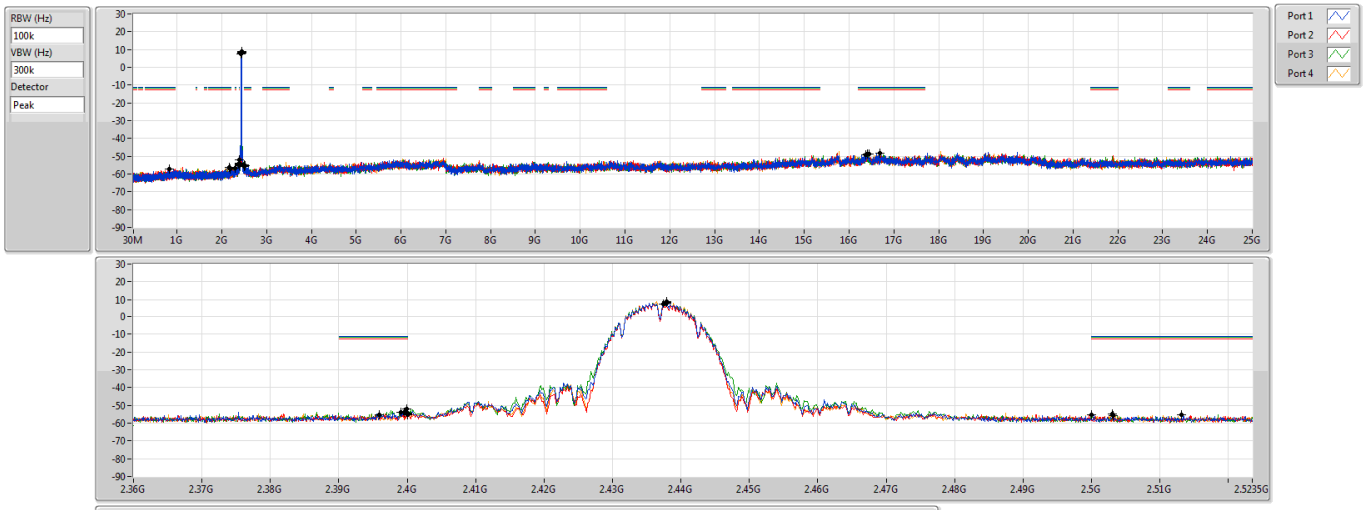
2412MHz



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
2.41086G	8.59	-11.41	2.30991G	-57.31	2.39848G	-38.12	2.4G	-41.34	2.5151G	-55.18	16.43364G	-47.27	1
2.41152G	7.36	-12.64	2.04312G	-56.99	2.39904G	-39.58	2.4G	-43.25	2.5183G	-54.98	16.44488G	-48.98	2
2.41236G	8.25	-11.75	2.18409G	-57.18	2.39848G	-37.57	2.4G	-44.70	2.51206G	-55.12	16.3606G	-48.66	3
2.41086G	9.09	-10.91	1.9208G	-56.75	2.39848G	-37.00	2.4G	-43.09	2.50166G	-53.87	16.7736G	-48.10	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX CSENdB

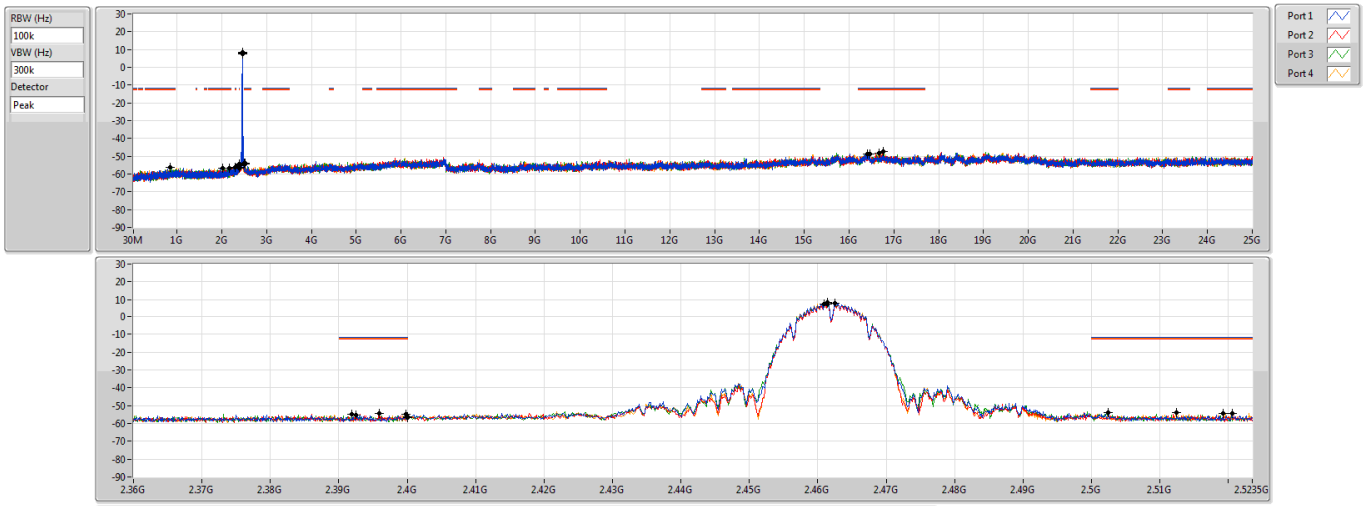
2437MHz



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
2.43791G	8.56	-11.44	822.2M	-57.33	2.39904G	-53.89	2.4G	-54.37	2.5031G	-55.02	16.68089G	-48.26	1
2.43741G	7.47	-12.53	2.30525G	-56.76	2.39952G	-54.09	2.4G	-55.36	2.50318G	-55.58	16.37464G	-49.34	2
2.43791G	8.14	-11.86	2.1736G	-56.40	2.39992G	-52.15	2.4G	-54.79	2.50006G	-55.18	16.44488G	-48.72	3
2.43791G	8.89	-11.11	2.18059G	-57.26	2.39592G	-55.12	2.4G	-54.87	2.51318G	-55.34	16.40836G	-48.63	4

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_4TX **CSENdB**

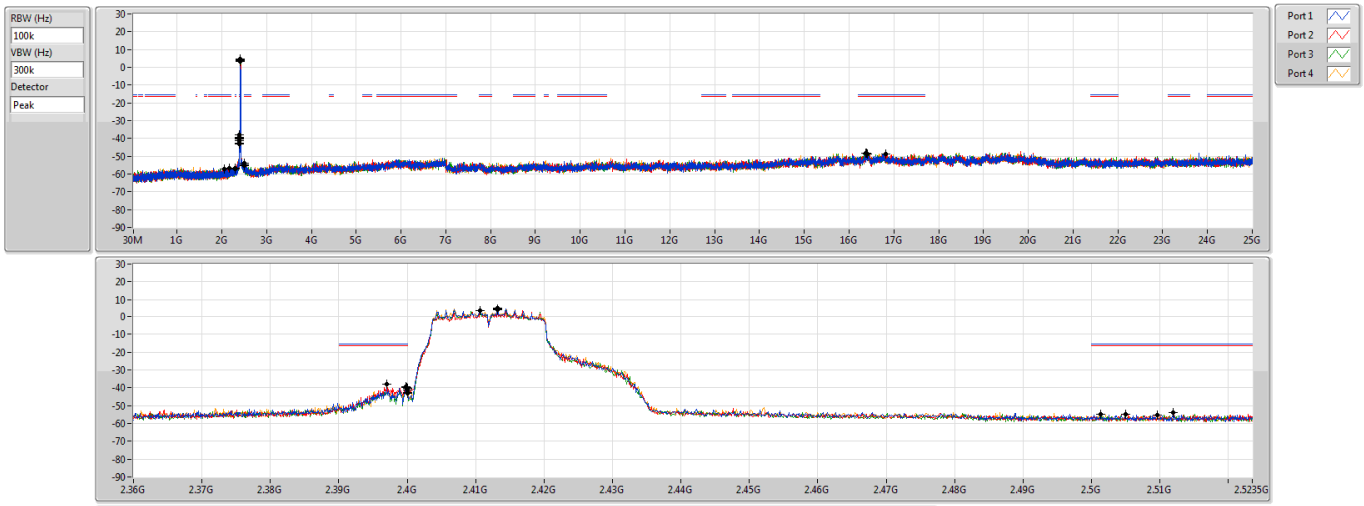
2462MHz



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
2.46146G	8.22	-11.78	2.02215G	-56.83	2.39192G	-54.75	2.4G	-56.64	2.52054G	-54.54	16.67246G	-48.29	1
2.46146G	7.37	-12.63	2.30408G	-56.41	2.39592G	-54.39	2.4G	-56.57	2.51926G	-54.49	16.75674G	-47.54	2
2.46096G	7.27	-12.73	2.17477G	-56.80	2.39248G	-55.33	2.4G	-56.54	2.50246G	-54.03	16.41398G	-48.52	3
2.46246G	7.87	-12.13	854.82M	-56.28	2.39984G	-55.05	2.4G	-56.43	2.51238G	-53.99	16.45893G	-48.84	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **CSENdB**

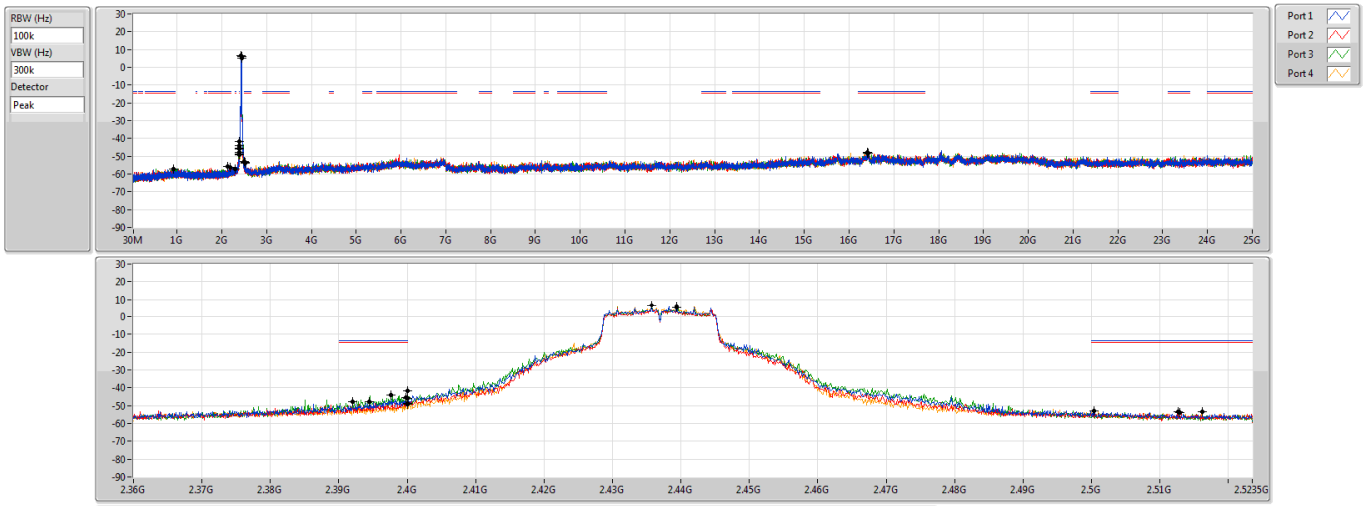
2412MHz



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	4.31	-15.69	2.30641G	-56.75	2.39992G	-40.04	2.4G	-43.15	2.50134G	-55.05	16.41398G	-48.58	1
2.41069G	3.48	-16.52	2.06409G	-57.05	2.39704G	-37.94	2.4G	-40.53	2.51198G	-53.94	16.81574G	-48.76	2
2.41319G	3.67	-16.33	2.17477G	-56.95	2.39984G	-39.89	2.4G	-42.89	2.50494G	-54.70	16.39431G	-48.08	3
2.41319G	4.57	-15.43	2.30175G	-57.01	2.39976G	-39.48	2.4G	-41.45	2.50966G	-55.39	16.37745G	-48.28	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **CSENdB**

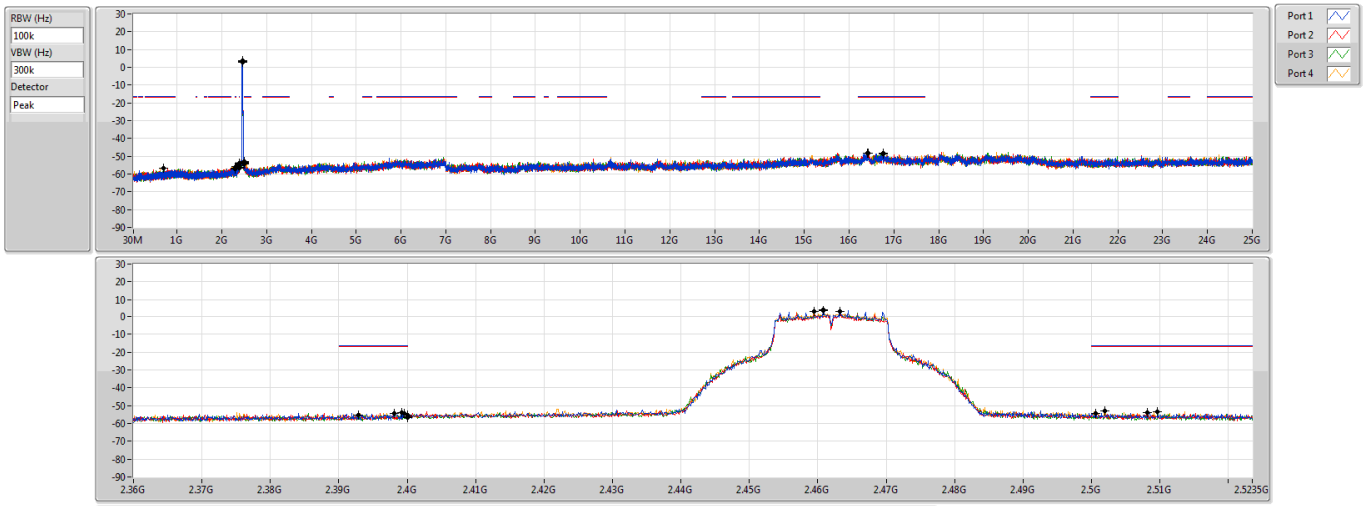
2437MHz



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	6.62	-13.38	2.30408G	-57.19	2.39984G	-45.65	2.4G	-46.17	2.50038G	-52.94	16.42802G	-48.38	1
2.43941G	5.38	-14.62	2.18758G	-56.38	2.39448G	-47.60	2.4G	-49.41	2.51286G	-53.81	16.41679G	-48.32	2
2.43574G	6.39	-13.61	2.12467G	-55.79	2.3976G	-44.25	2.4G	-41.94	2.51262G	-53.56	16.40836G	-47.79	3
2.43941G	6.29	-13.71	925.89M	-57.21	2.392G	-47.65	2.4G	-48.61	2.51614G	-53.23	16.42241G	-48.12	4

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_4TX **CSENdB**

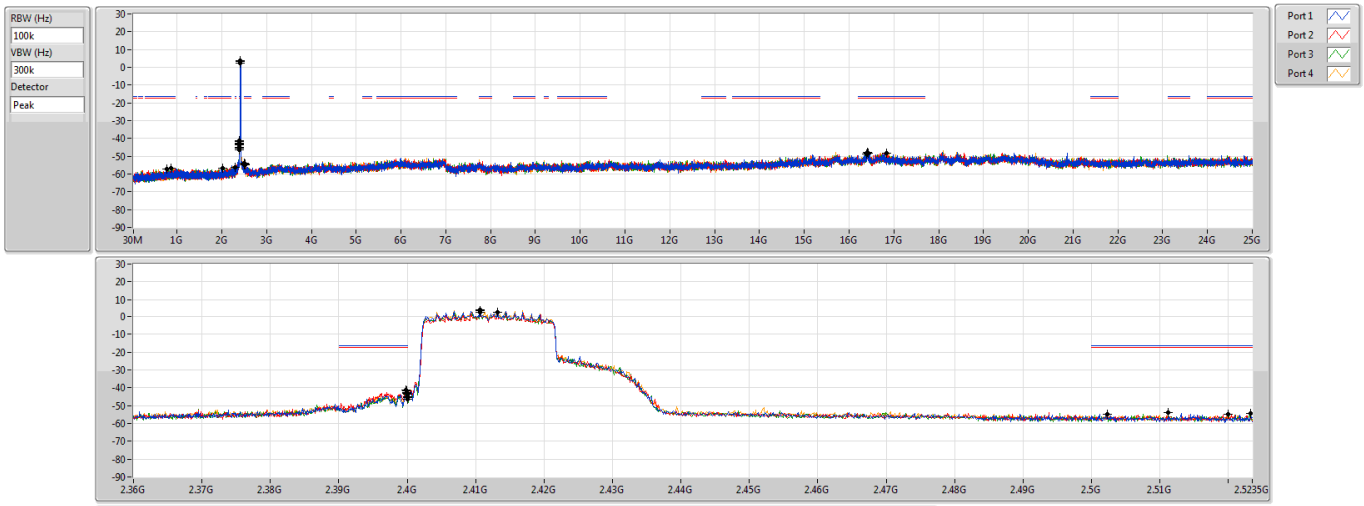
2462MHz



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	3.71	-16.29	695.22M	-56.86	2.39952G	-54.44	2.4G	-56.75	2.50062G	-54.19	16.40555G	-48.07	1
2.46329G	2.93	-17.07	2.30641G	-57.12	2.3992G	-54.00	2.4G	-55.21	2.50822G	-53.96	16.4196G	-48.06	2
2.46079G	3.49	-16.51	2.30874G	-55.97	2.39288G	-55.08	2.4G	-56.56	2.50966G	-53.41	16.76517G	-48.35	3
2.45945G	2.96	-17.04	2.30408G	-56.54	2.39808G	-54.52	2.4G	-56.21	2.50198G	-52.81	16.77079G	-48.75	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **CSENdB**

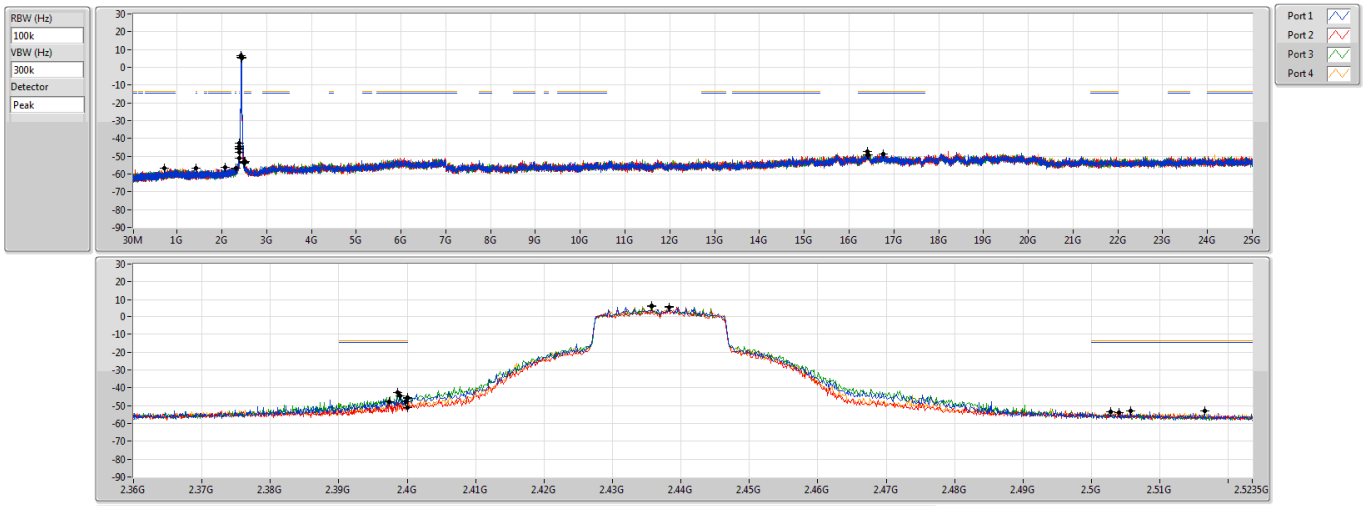
2412MHz



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
2.41069G	3.45	-16.55	776.77M	-57.33	2.39992G	-42.77	2.4G	-46.45	2.52326G	-54.32	16.41679G	-47.59	1
2.41319G	2.45	-17.55	871.13M	-56.73	2.39984G	-41.23	2.4G	-43.63	2.51126G	-53.97	16.43364G	-48.47	2
2.41069G	2.45	-17.55	2.30758G	-56.43	2.39992G	-42.94	2.4G	-45.45	2.5023G	-54.65	16.39712G	-48.94	3
2.41069G	3.69	-16.31	2.02099G	-56.79	2.39992G	-41.95	2.4G	-45.18	2.51998G	-55.06	16.83541G	-48.43	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **CSENdB**

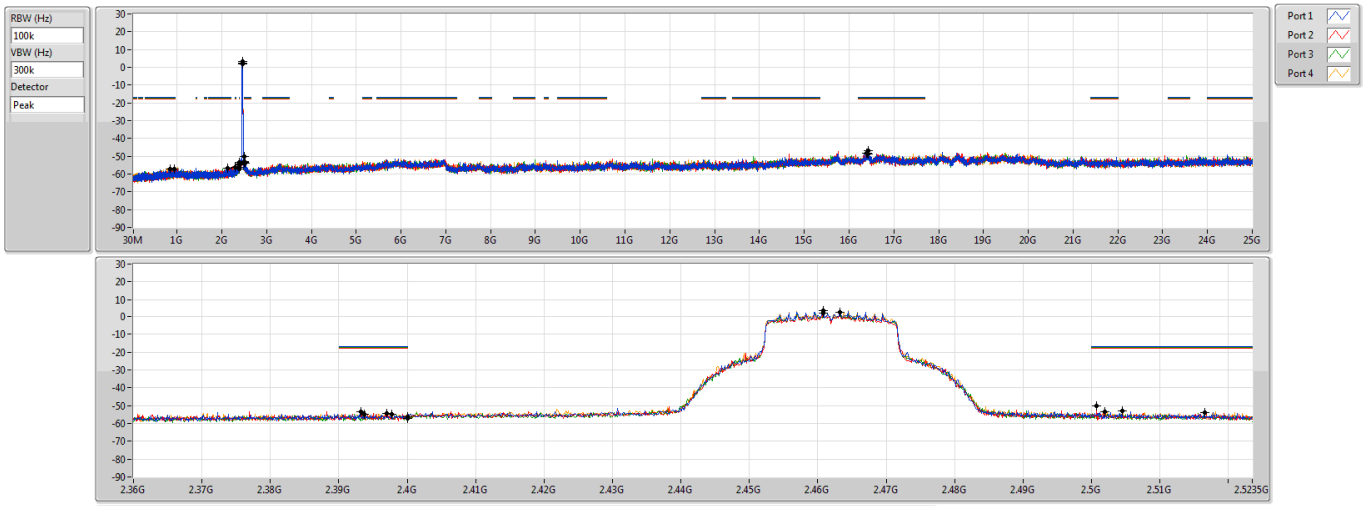
2437MHz



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	5.45	-14.55	2.30991G	-56.91	2.39896G	-44.39	2.4G	-45.60	2.50574G	-53.20	16.41398G	-47.45	1
2.43824G	5.27	-14.73	2.07341G	-56.20	2.39736G	-47.63	2.4G	-51.25	2.50398G	-53.87	16.76236G	-48.86	2
2.43574G	5.50	-14.50	1.4315G	-56.73	2.39856G	-42.75	2.4G	-45.86	2.50286G	-53.61	16.41679G	-48.99	3
2.43574G	6.42	-13.58	718.52M	-56.69	2.39984G	-47.73	2.4G	-51.10	2.51654G	-53.19	16.43364G	-49.11	4

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_4TX **CSENdB**

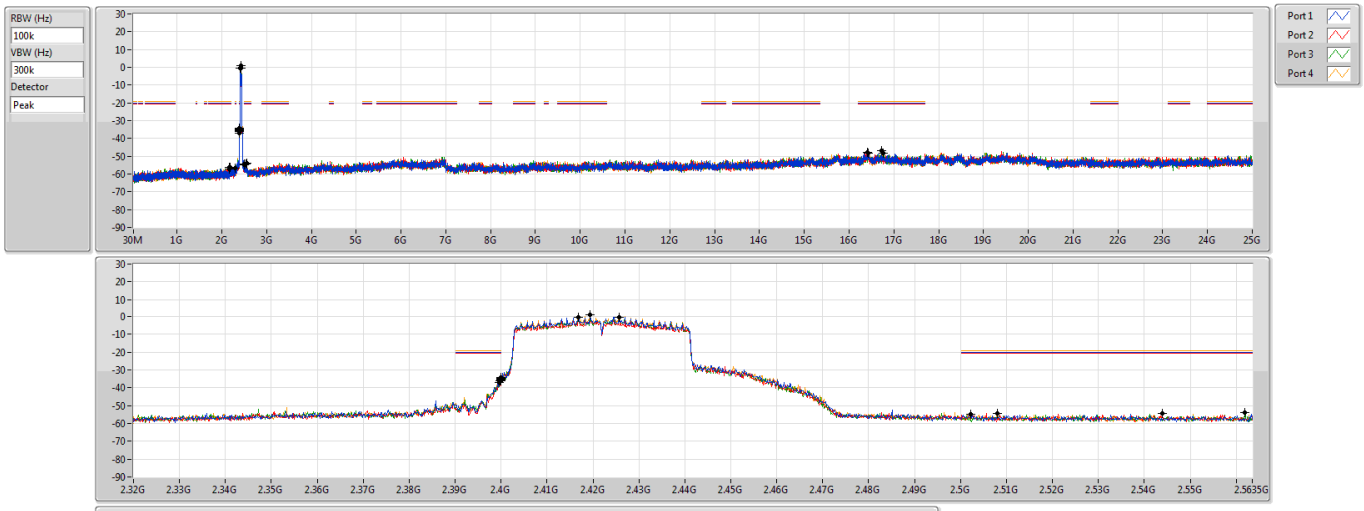
2462MHz



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	3.15	-16.85	2.30758G	-56.14	2.39368G	-54.92	2.4G	-56.99	2.50446G	-53.04	16.38869G	-48.12	1
2.46079G	2.09	-17.91	942.2M	-57.02	2.39328G	-53.30	2.4G	-56.36	2.50078G	-50.15	16.4196G	-48.76	2
2.46329G	2.44	-17.56	847.83M	-57.12	2.39696G	-54.56	2.4G	-56.28	2.51654G	-53.92	16.42802G	-47.08	3
2.46079G	3.17	-16.83	2.12351G	-56.75	2.39776G	-54.73	2.4G	-56.29	2.50198G	-53.46	16.41398G	-48.11	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **CSENdB**

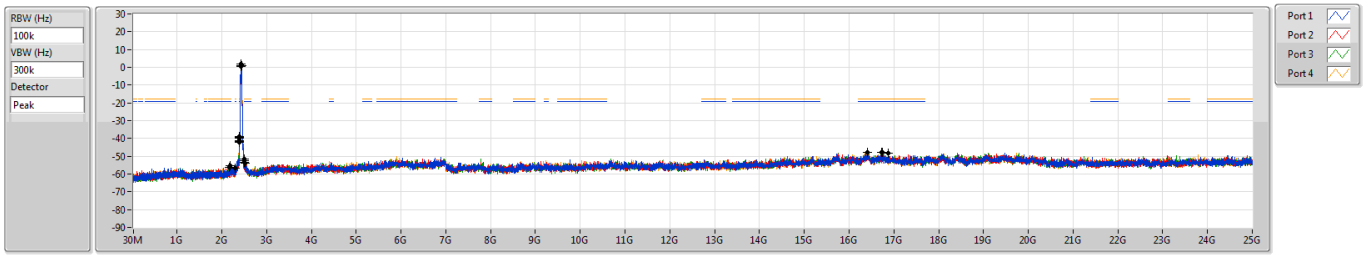
2422MHz

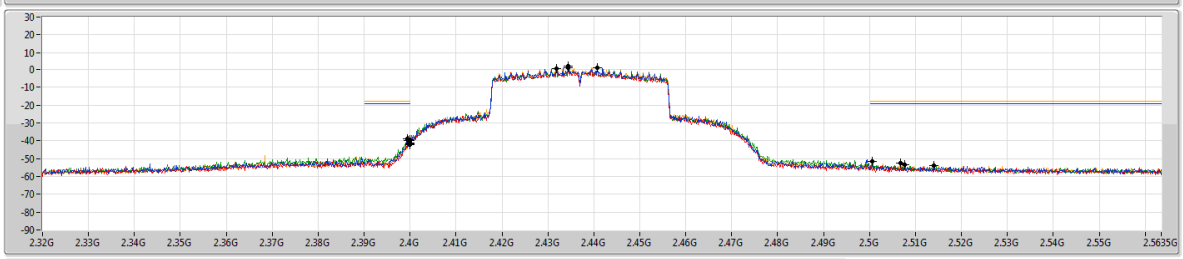


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42572G	-0.38	-20.38	2.30168G	-56.89	2.4G	-35.41	2.4G	-34.82	2.50222G	-54.77	16.73495G	-46.95	1
2.42572G	-0.66	-20.66	2.17459G	-56.14	2.39984G	-36.23	2.4G	-34.31	2.54398G	-54.21	16.40963G	-47.81	2
2.41687G	-0.31	-20.31	2.17001G	-57.10	2.39952G	-36.99	2.4G	-35.12	2.5619G	-53.78	16.43206G	-48.36	3
2.41937G	0.81	-19.19	2.19405G	-56.44	2.39984G	-35.98	2.4G	-36.25	2.50798G	-54.35	16.75459G	-48.26	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **CSENdB**

2437MHz

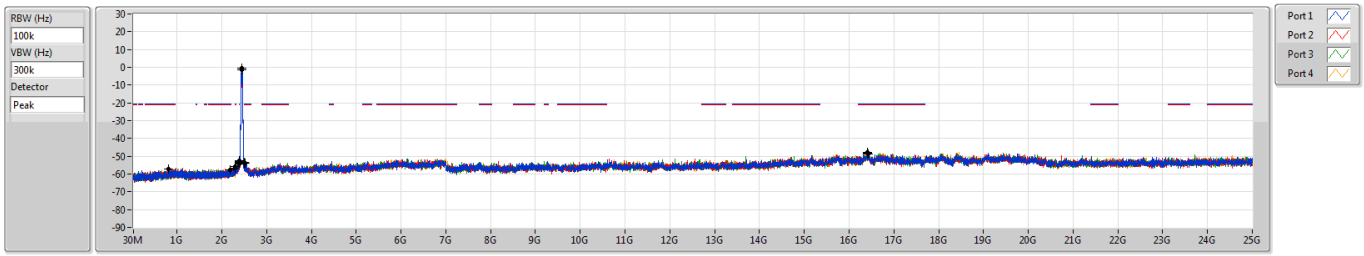


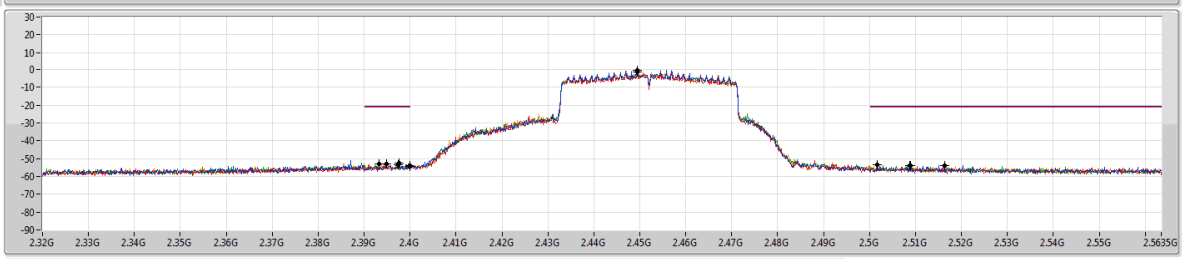


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	1.01	-18.99	2.16199G	-56.25	2.39968G	-39.94	2.4G	-42.30	2.51406G	-53.98	16.73776G	-48.03	1
2.4344G	0.85	-19.15	2.18489G	-55.32	2.4G	-41.26	2.4G	-41.59	2.50766G	-53.60	16.87518G	-48.33	2
2.4319G	0.70	-19.30	2.30168G	-56.59	2.39936G	-38.73	2.4G	-39.43	2.50062G	-51.72	16.72935G	-48.04	3
2.4344G	1.98	-18.02	2.30397G	-56.75	2.4G	-39.92	2.4G	-39.59	2.5067G	-52.60	16.40121G	-47.84	4

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_4TX **CSENdB**

2452MHz



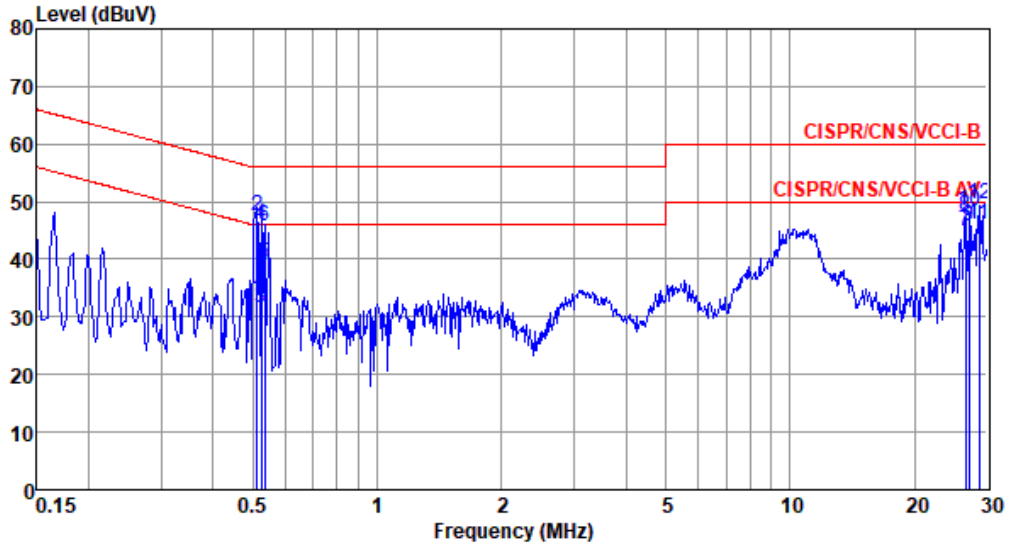


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44943G	-0.62	-20.62	2.30397G	-56.87	2.3976G	-52.60	2.4G	-54.39	2.50878G	-53.99	16.40682G	-48.13	1
2.44943G	-1.32	-21.32	801.73M	-57.27	2.39488G	-52.93	2.4G	-54.14	2.50894G	-53.88	16.42645G	-48.78	2
2.44943G	-0.55	-20.55	2.18947G	-57.45	2.39744G	-53.62	2.4G	-53.72	2.50174G	-53.52	16.41804G	-47.89	3
2.44943G	-0.57	-20.57	2.30512G	-56.00	2.39328G	-52.92	2.4G	-54.38	2.5163G	-53.87	16.41523G	-48.29	4

POE mode

Modulation Mode	11g	Test Freq. (MHz)	2437
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 62%

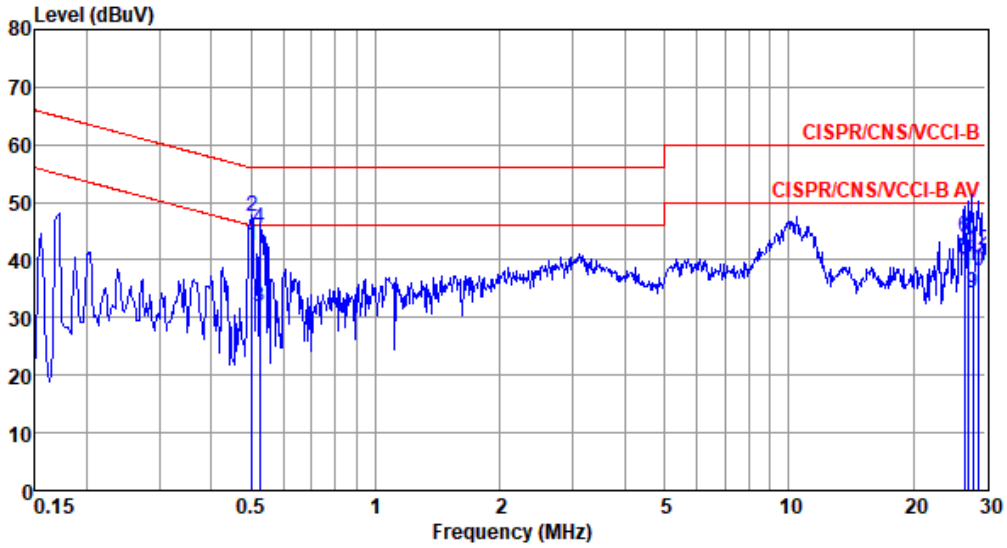


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.513	33.19	46.00	-12.81	23.19	9.62	0.07	0.31	Average
2	0.513	47.47	56.00	-8.53	37.47	9.62	0.07	0.31	QP
3	0.524	31.44	46.00	-14.56	21.44	9.62	0.07	0.31	Average
4	0.524	46.17	56.00	-9.83	36.17	9.62	0.07	0.31	QP
5	0.535	39.36	46.00	-6.64	29.35	9.62	0.08	0.31	Average
6	0.535	45.67	56.00	-10.33	35.66	9.62	0.08	0.31	QP
7	26.610	44.92	50.00	-5.08	34.01	9.64	0.57	0.70	Average
8	26.610	47.57	60.00	-12.43	36.66	9.64	0.57	0.70	QP
9	27.160	45.81	50.00	-4.19	34.88	9.63	0.58	0.72	Average
10	27.160	48.41	60.00	-11.59	37.48	9.63	0.58	0.72	QP
11*	28.686	46.10	50.00	-3.90	35.10	9.63	0.60	0.77	Average
12	28.686	49.49	60.00	-10.51	38.49	9.63	0.60	0.77	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	11g	**Test Freq. (MHz)**	2437
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 62%



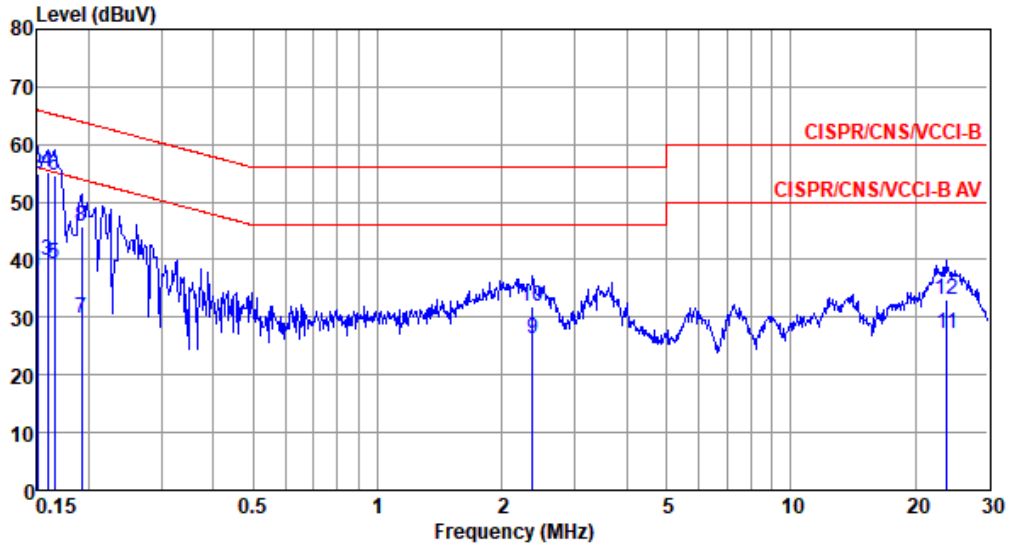
	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1*	0.502	42.52	46.00	-3.48	32.52	9.62	0.07	0.31	Average
2	0.502	47.52	56.00	-8.48	37.52	9.62	0.07	0.31	QP
3	0.524	31.97	46.00	-14.03	21.97	9.62	0.07	0.31	Average
4	0.524	45.34	56.00	-10.66	35.34	9.62	0.07	0.31	QP
5	26.609	40.28	50.00	-9.72	29.22	9.79	0.57	0.70	Average
6	26.609	43.92	60.00	-16.08	32.86	9.79	0.57	0.70	QP
7	27.160	39.71	50.00	-10.29	28.63	9.78	0.58	0.72	Average
8	27.160	43.52	60.00	-16.48	32.44	9.78	0.58	0.72	QP
9	27.892	34.25	50.00	-15.75	23.14	9.78	0.59	0.74	Average
10	27.892	37.95	60.00	-22.05	26.84	9.78	0.59	0.74	QP
11	28.686	39.01	50.00	-10.99	27.86	9.78	0.60	0.77	Average
12	28.686	41.63	60.00	-18.37	30.48	9.78	0.60	0.77	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).

Adapter mode

Modulation Mode	11g	**Test Freq. (MHz)**	2437
Power Phase	Line		

Test by : Joe Liao Temperature: 22°C Humidity: 62%

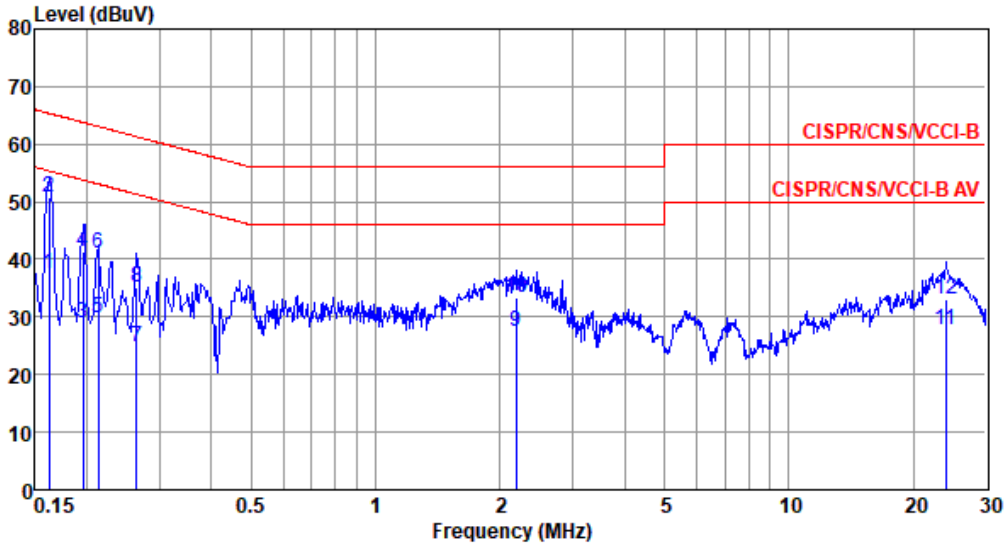


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.150	38.20	56.00	-17.80	28.33	9.63	0.06	0.18	Average
2	0.150	54.82	66.00	-11.18	44.95	9.63	0.06	0.18	QP
3	0.159	39.73	55.52	-15.79	29.86	9.63	0.06	0.18	Average
4*	0.159	55.06	65.52	-10.46	45.19	9.63	0.06	0.18	QP
5	0.165	39.40	55.21	-15.81	29.53	9.63	0.06	0.18	Average
6	0.165	54.58	65.21	-10.63	44.71	9.63	0.06	0.18	QP
7	0.192	29.74	53.93	-24.19	19.87	9.62	0.06	0.19	Average
8	0.192	45.67	63.93	-18.26	35.80	9.62	0.06	0.19	QP
9	2.371	26.23	46.00	-19.77	16.09	9.63	0.14	0.37	Average
10	2.371	31.93	56.00	-24.07	21.79	9.63	0.14	0.37	QP
11	23.888	27.30	50.00	-22.70	16.50	9.65	0.53	0.62	Average
12	23.888	33.02	60.00	-26.98	22.22	9.65	0.53	0.62	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	11g	**Test Freq. (MHz)**	2437
Power Phase	Neutral		

Test by : Joe Liao Temperature: 22°C Humidity: 62%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	dB	
1	0.162	37.39	55.34	-17.95	27.52	9.63	0.06	0.18	Average
2*	0.162	50.77	65.34	-14.57	40.90	9.63	0.06	0.18	QP
3	0.195	28.88	53.80	-24.92	19.00	9.63	0.06	0.19	Average
4	0.195	41.20	63.80	-22.60	31.32	9.63	0.06	0.19	QP
5	0.213	29.94	53.10	-23.16	20.05	9.63	0.06	0.20	Average
6	0.213	41.11	63.10	-21.99	31.22	9.63	0.06	0.20	QP
7	0.264	24.87	51.29	-26.42	14.95	9.63	0.06	0.23	Average
8	0.264	35.18	61.29	-26.11	25.26	9.63	0.06	0.23	QP
9	2.190	27.60	46.00	-18.40	17.45	9.64	0.14	0.37	Average
10	2.190	33.22	56.00	-22.78	23.07	9.64	0.14	0.37	QP
11	24.015	27.65	50.00	-22.35	16.71	9.79	0.53	0.62	Average
12	24.015	32.93	60.00	-27.07	21.99	9.79	0.53	0.62	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).