



FCC C2PC Test Report

FCC ID : 2AVVV-MW09
Equipment : Outdoor Wireless Access Point
Model No. : MW09
Brand Name : meter
Applicant : Meter, Inc
Address : 548 Market St San Francisco CA 94104 USA
Standard : 47 CFR FCC Part 15.247
Received Date : Nov. 05, 2024
Tested Date : Nov. 08 ~ Dec. 06, 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:

Along Chen
Along Chen / Assistant Manager

Approved by:

Gary Chang
Gary Chang / Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	8
1.3	Test Setup Chart	8
1.4	The Equipment List	9
1.5	Test Standards	10
1.6	Reference Guidance	10
1.7	Deviation from Test Standard and Measurement Procedure.....	10
1.8	Measurement Uncertainty	10
2	TEST CONFIGURATION.....	11
2.1	Testing Facility	11
2.2	The Worst Test Modes and Channel Details	11
3	TRANSMITTER TEST RESULTS	12
3.1	6dB and Occupied Bandwidth	12
3.2	Conducted Output Power.....	13
3.3	Power Spectral Density	14
3.4	Unwanted Emissions into Restricted Frequency Bands	15
3.5	Emissions in Non-Restricted Frequency Bands.....	17
3.6	AC Power Line Conducted Emissions	18
4	TEST LABORATORY INFORMATION	19

Appendix A. 6dB and Occupied Bandwidth

Appendix B. Conducted Output Power

Appendix C. Power Spectral Density

Appendix D. Unwanted Emissions into Restricted Frequency Bands

Appendix E. Emissions in Non-Restricted Frequency Bands

Appendix F. AC Power Line Conducted Emissions

Release Record

Report No.	Version	Description	Issued Date
FR4N0501AC	Rev. 01	Initial issue	Dec. 25, 2024

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.471MHz 35.91 (Margin -10.58dB) - AV	Pass
15.247(d) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 2390.00MHz 52.98 (Margin -1.02dB) - AV	Pass
15.247(b)(3)	Conducted Output Power	Non-beamforming mode Max Power [dBm]: 22.93 Beamforming mode Max Power [dBm]: 19.80	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

This is a Class II Permissive Change report (C2PC).

The modifications are concerned with the following items:

- Changing product name.
- Adding new antenna and reduced output power by software setting.

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: DBPSK, DQPSK, CCK modulation
 BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.

1.1.2 Antenna Details

Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
AccelTex	ATS-OP-2 45-13-6NP -36	ATS-195	RPSMA Plug	13	13	13	13	13

1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type	54Vdc from PoE	
Beamforming	<input checked="" type="checkbox"/> Support	<input type="checkbox"/> Not support
RU Configuration	<input checked="" type="checkbox"/> Full RU	<input type="checkbox"/> Partial RU

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: EnGenius Model: EPA5006GR I/P: 100-240Vac, 50-60Hz, 0.8A O/P: 54Vdc, 0.6A Power Line: 0.5m non-shielded without core
2	Ground Cable	1.75m non-shielded without core

1.1.5 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / 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	QDART, V5.14.00227.1		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	60.76%	2.16
	11g	92.23%	0.35
	ax HE20	96.36%	0.16
	ax HE40	94.83%	0.23

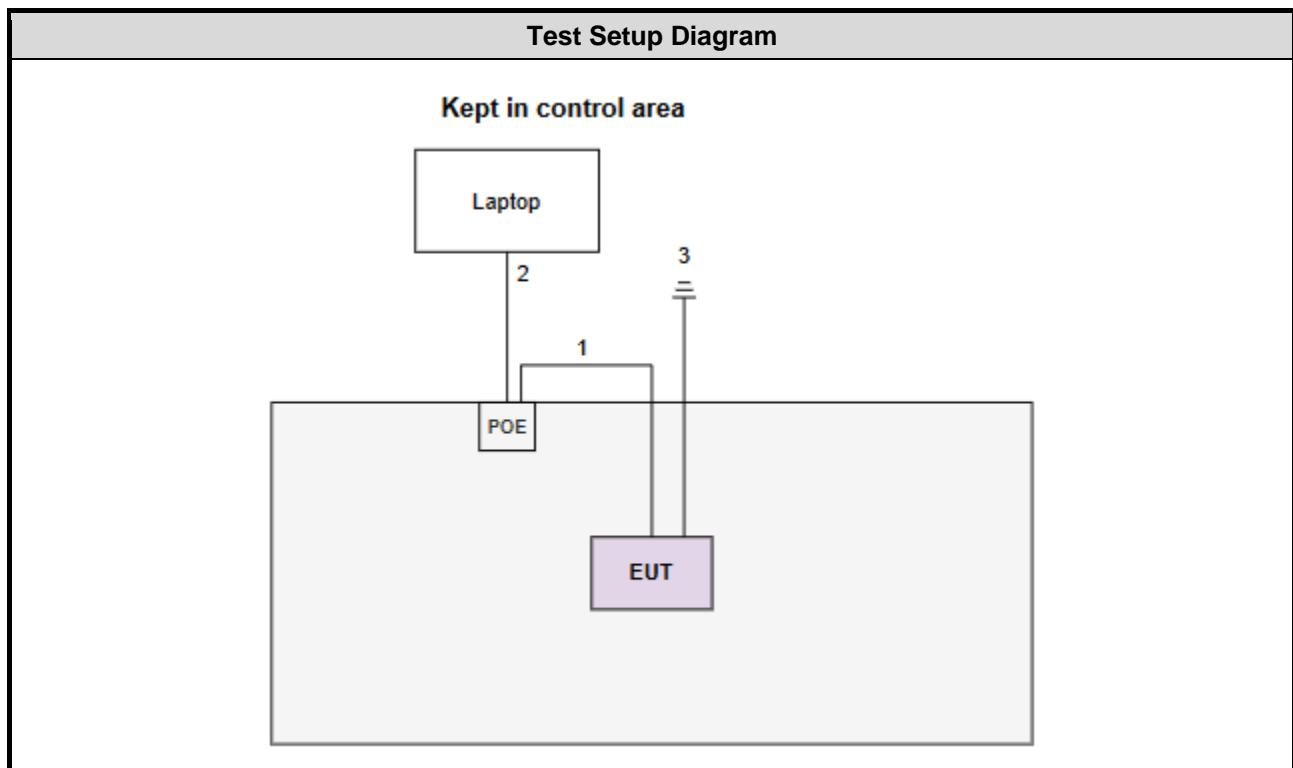
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	15
11b	2437	17.5
11b	2462	15
11g	2412	16.5
11g	2437	20.5
11g	2462	15
ax HE20	2412	16
ax HE20	2437	20.5
ax HE20	2462	14
ax HE40	2422	13.5
ax HE40	2437	15.5
ax HE40	2452	13

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Vostro 5410	DoC	---

1.3 Test Setup Chart



No.	Signal cable / Length (m)
1	RJ45, 1.3m non-shielded.
2	RJ45, 10m non-shielded.
3	Ground, 1.75m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Nov. 18, 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, 2024	May 08, 2025
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 10, 2024	Jan. 09, 2025
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 07, 2024	Oct. 08, 2025
50 ohm terminal	NA	50	01	Jun. 19, 2024	Jun. 18, 2025
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	Nov. 08 ~ Nov. 14, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 05, 2024	Mar. 04, 2025
Spectrum Analyzer	R&S	FSV40	101499	Apr. 02, 2024	Apr. 01, 2025
Loop Antenna	R&S	HF2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 02, 2024	Jul. 01, 2025
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 14, 2023	Dec. 13, 2024
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Dec. 28, 2023	Dec. 27, 2024
Preamplifier	EMC	EMC02325	980187	Jun. 27, 2024	Jun. 26, 2025
Preamplifier	EMC	EMC118A45SE	980897	Aug. 05, 2024	Aug. 04, 2025
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025
LF cable-0.8M	EMC	EMC8D-NM-NM-800-001	EMC8D-NM-NM-800-001	Sep. 20, 2024	Sep. 19, 2025
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 20, 2024	Sep. 19, 2025
LF cable-13M	EMC	EMC8D-NM-NM-1300	131104	Sep. 20, 2024	Sep. 19, 2025
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 20, 2024	Sep. 19, 2025
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 20, 2024	Sep. 19, 2025
Attenuator	Pasternack	PE7005-10	10-3	Sep. 20, 2024	Sep. 19, 2025
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 20, 2024	Sep. 19, 2025
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	Dec. 04 ~ Dec. 06, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2024	Apr. 17, 2025
Power Meter	Anritsu	ML2495A	1241002	Nov. 26, 2024	Nov. 25, 2025
Power Sensor	Anritsu	MA2411B	1207366	Nov. 26, 2024	Nov. 25, 2025
Attenuator	Pasternack	PE7005-10	10-2	Oct. 04, 2024	Oct. 03, 2025
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
<i>Non-beamforming mode</i>				
AC Power Line Conducted Emission	11g	2437	6 Mbps	---
Unwanted Emissions \leq 1GHz	11g	2437	6 Mbps	---
Unwanted Emissions $>$ 1GHz Conducted Output Power 6dB bandwidth Power spectral density	11b 11g ax HE20 ax HE40	2412 / 2437 / 2462 2412 / 2437 / 2462 2412 / 2437 / 2462 2422 / 2437 / 2452	1 Mbps 6 Mbps MCS 0 MCS 0	---
<i>Beamforming mode</i>				
Conducted Output Power	ax HE20 ax HE40	2412 / 2437 / 2462 2422 / 2437 / 2452	MCS 0 MCS 0	---

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

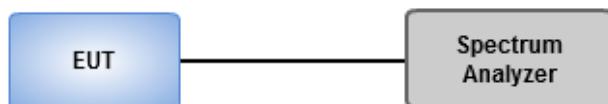
6dB Bandwidth

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	24-26°C / 62-68%	Tested By	Sean Yu
-------------------	------------------	-----------	---------

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	24-26°C / 62-68%	Tested By	Sean Yu
-------------------	------------------	-----------	---------

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.

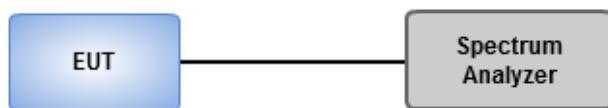
Average PSD, duty cycle $\geq 98\%$

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	24-26°C / 62-68%	Tested By	Sean Yu
-------------------	------------------	-----------	---------

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:
Quasi-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

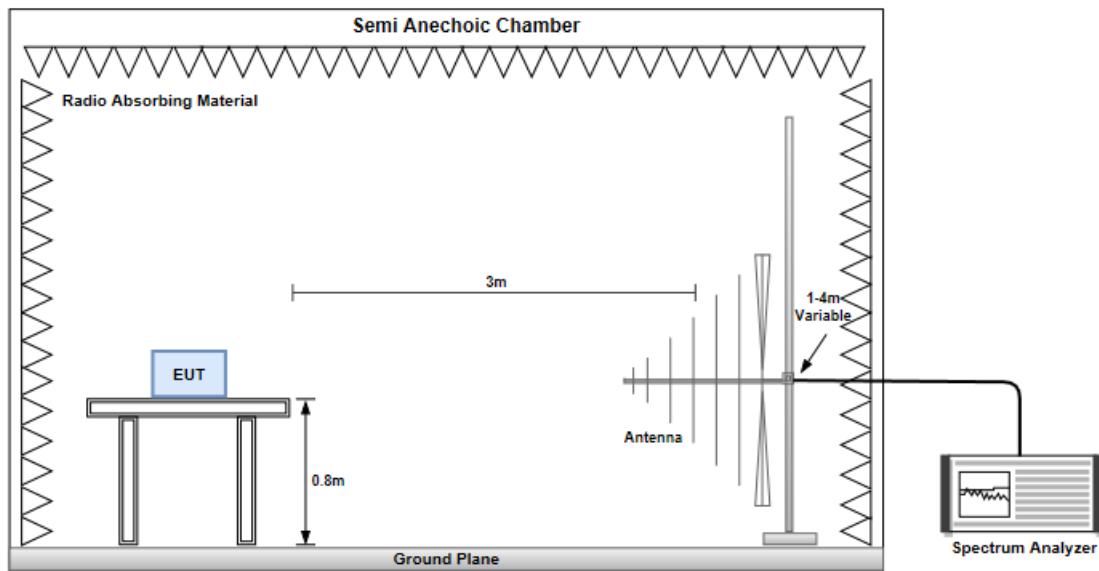
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

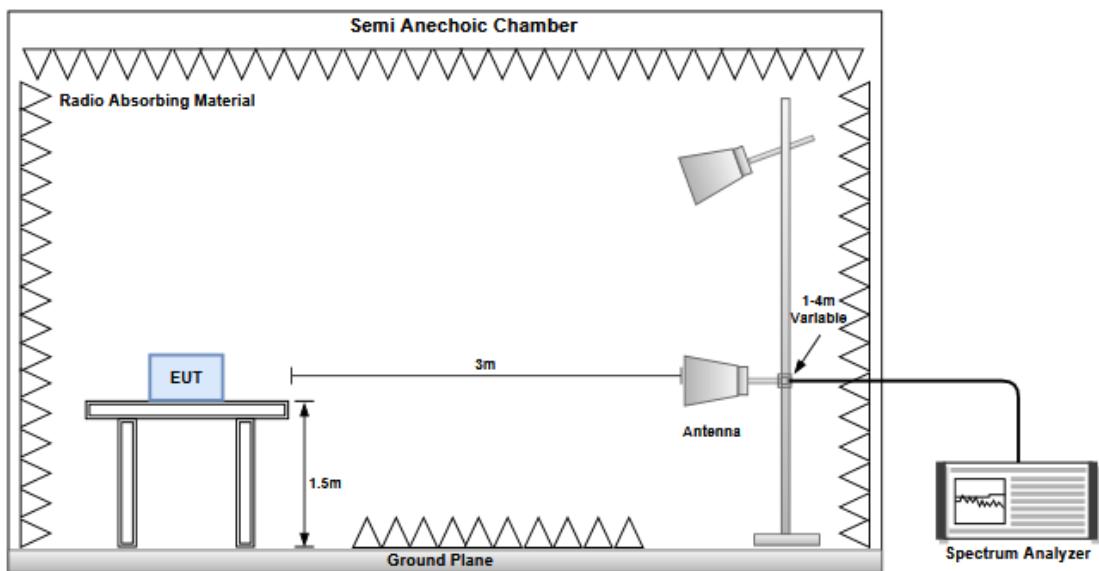
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 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 30 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

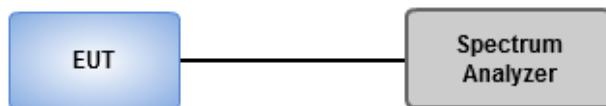
Reference level measurement

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	24-26°C / 62-68%	Tested By	Sean Yu
-------------------	------------------	-----------	---------

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

3.6.1 Limit of AC Power Line Conducted Emissions

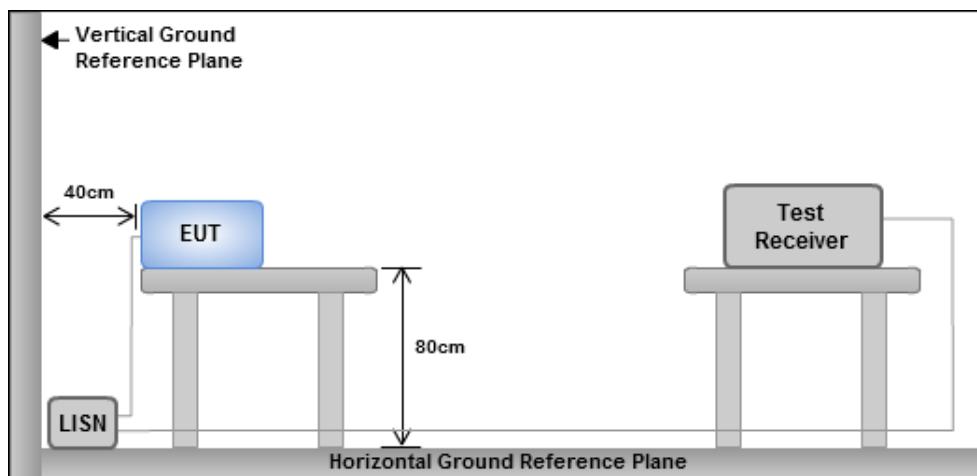
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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 50Ω 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	8.075M	12.984M	13M0G1D	7.05M	12.954M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.25M	16M3D1D	13.725M	16.228M
802.11ax HEW20_Nss1,(MCS0)_2TX	15M	18.816M	18M8D1D	9.55M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	35M	37.631M	37M6D1D	30.9M	37.531M

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

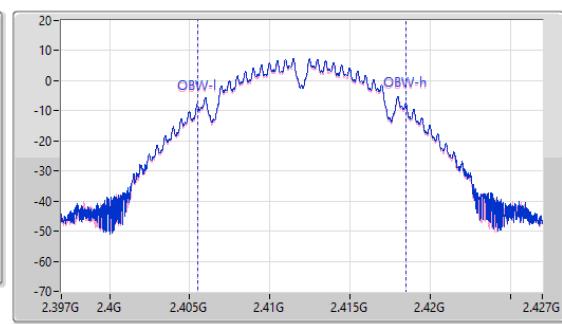
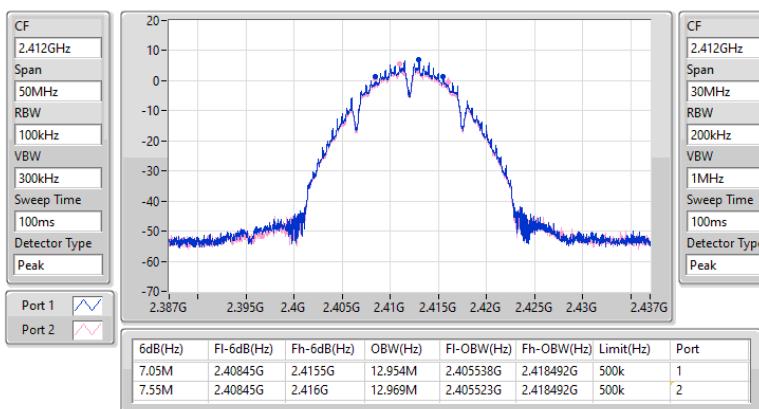
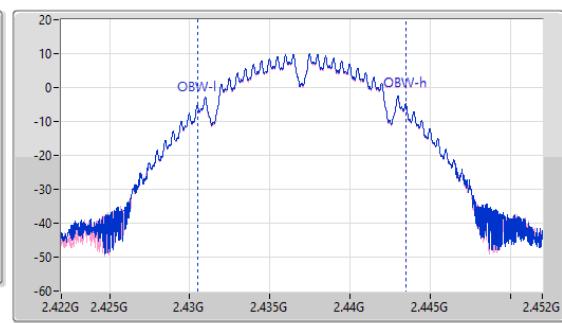
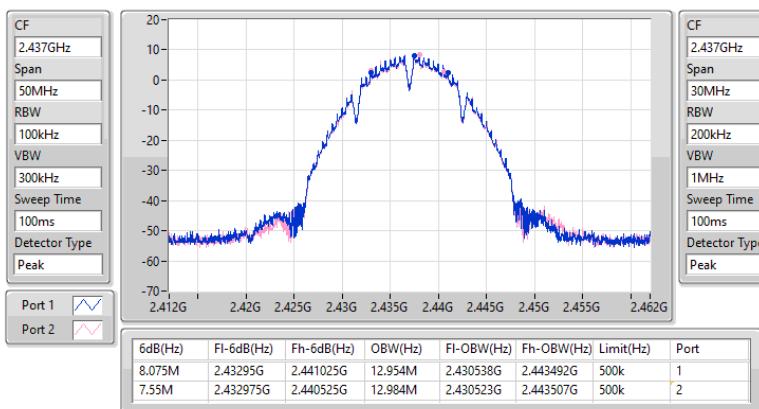
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

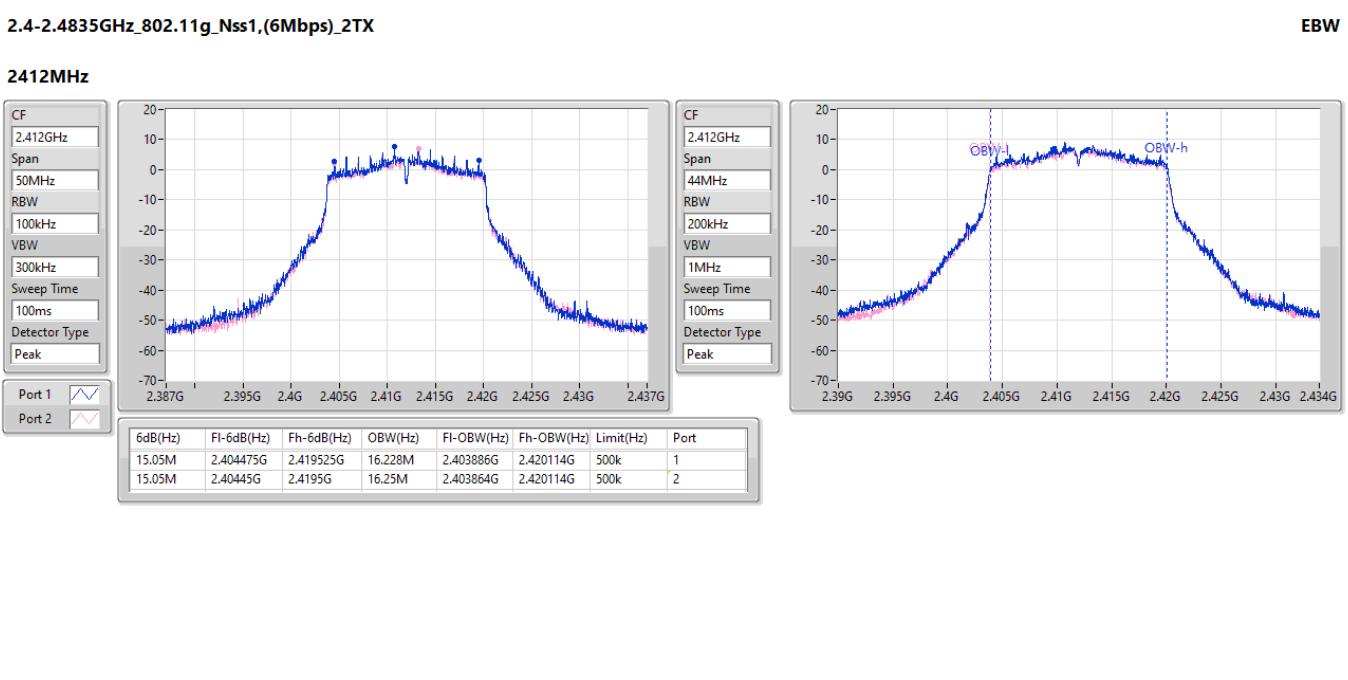
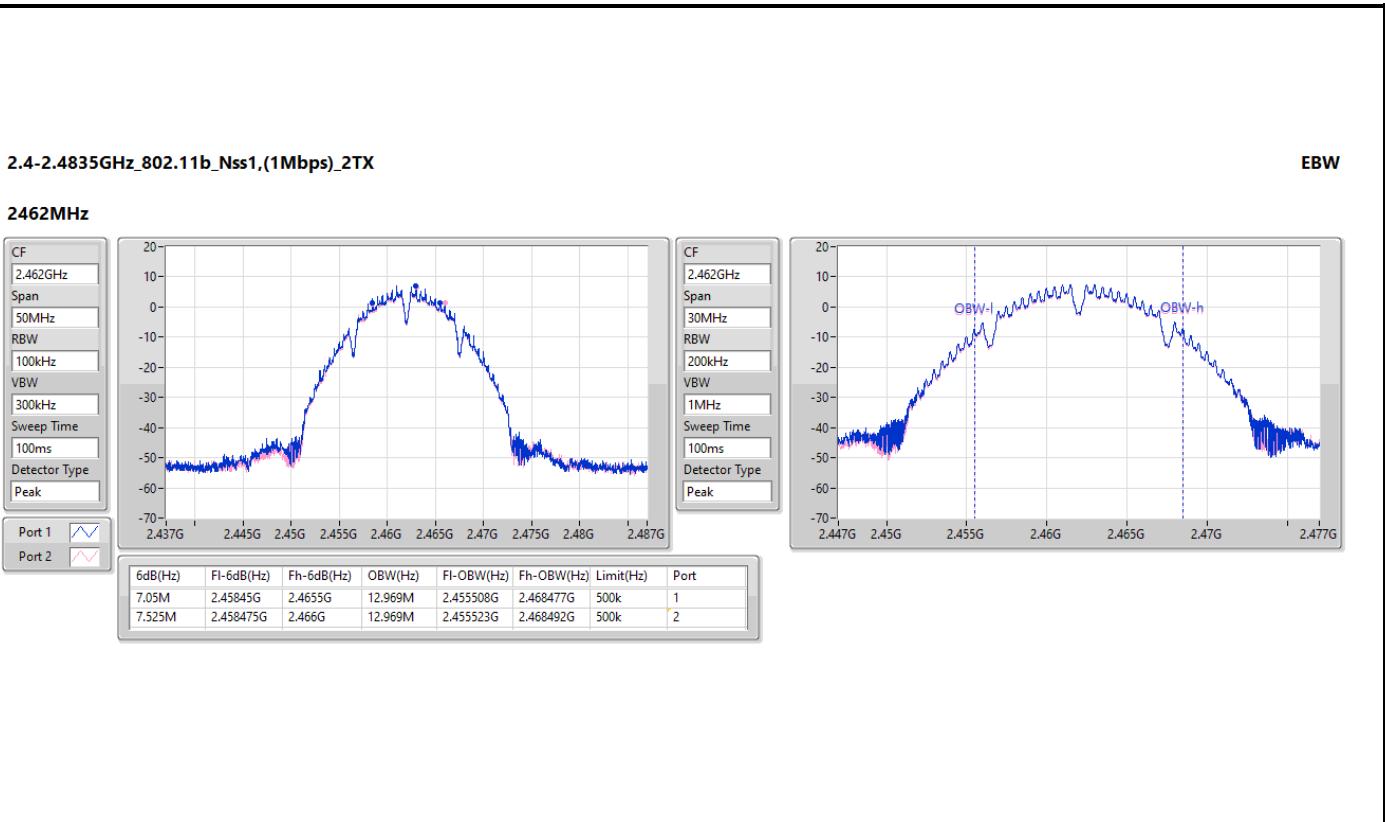
Result

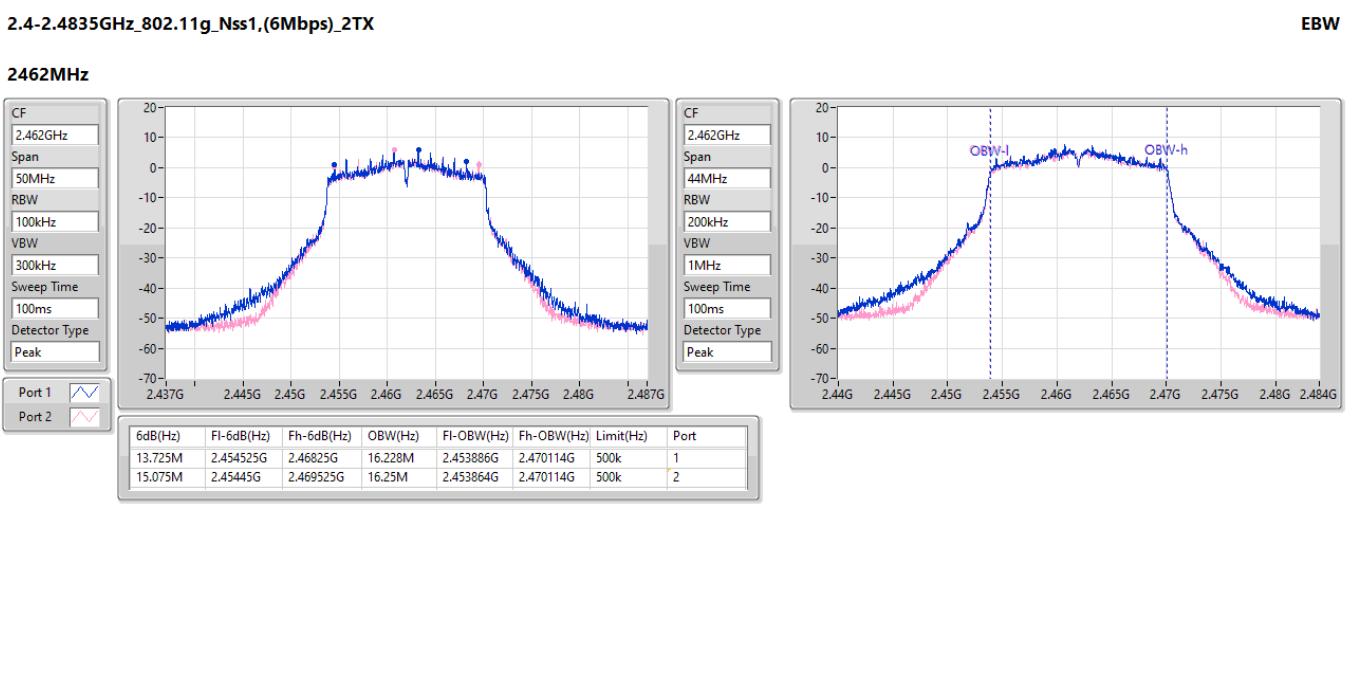
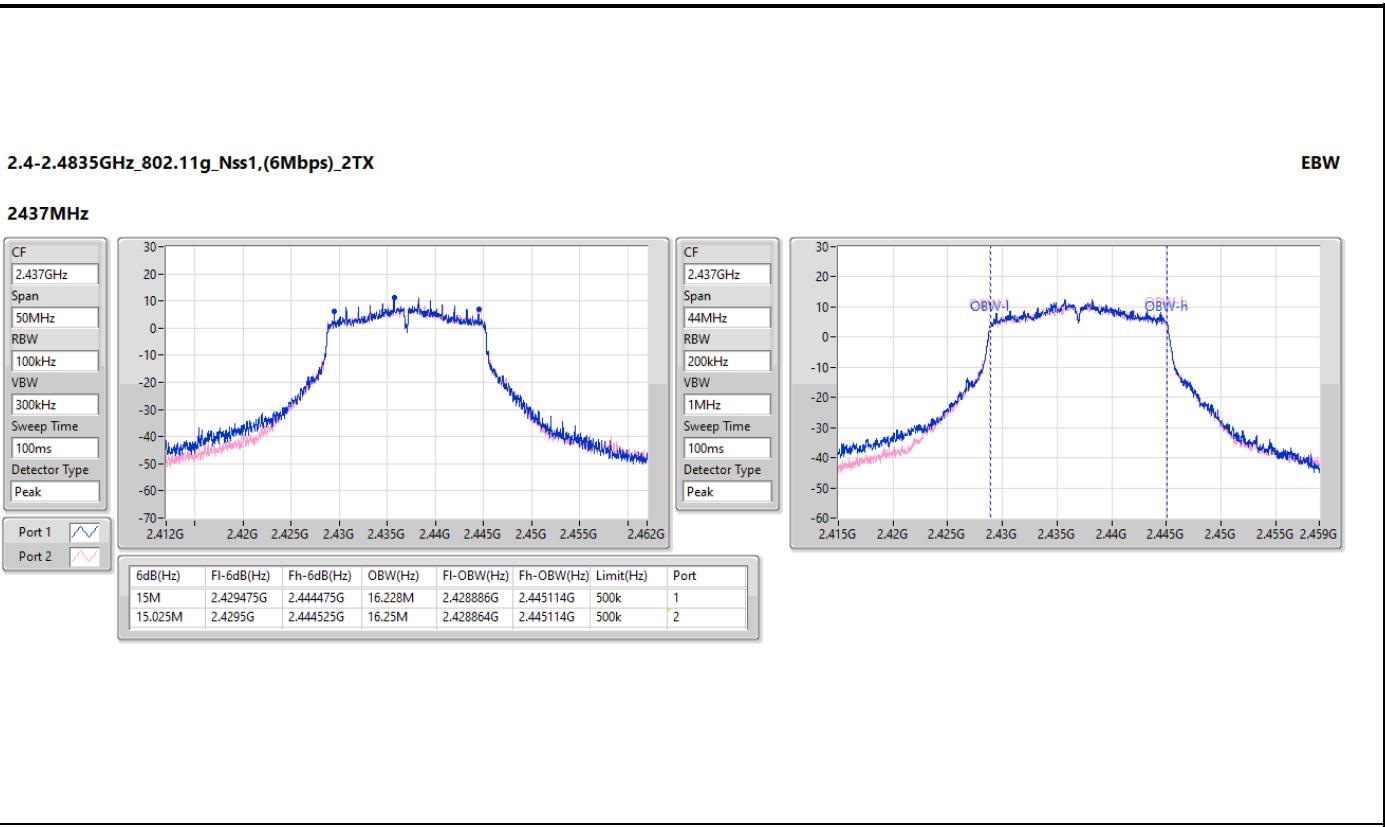
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	12.954M	7.55M	12.969M
2437MHz	Pass	500k	8.075M	12.954M	7.55M	12.984M
2462MHz	Pass	500k	7.05M	12.969M	7.525M	12.969M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	16.228M	15.05M	16.25M
2437MHz	Pass	500k	15M	16.228M	15.025M	16.25M
2462MHz	Pass	500k	13.725M	16.228M	15.075M	16.25M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	12.475M	18.766M	9.55M	18.791M
2437MHz	Pass	500k	13.8M	18.816M	15M	18.791M
2462MHz	Pass	500k	13.725M	18.816M	12.5M	18.816M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35M	37.531M	33.3M	37.581M
2437MHz	Pass	500k	34.15M	37.581M	34.5M	37.531M
2452MHz	Pass	500k	34.2M	37.631M	30.9M	37.581M

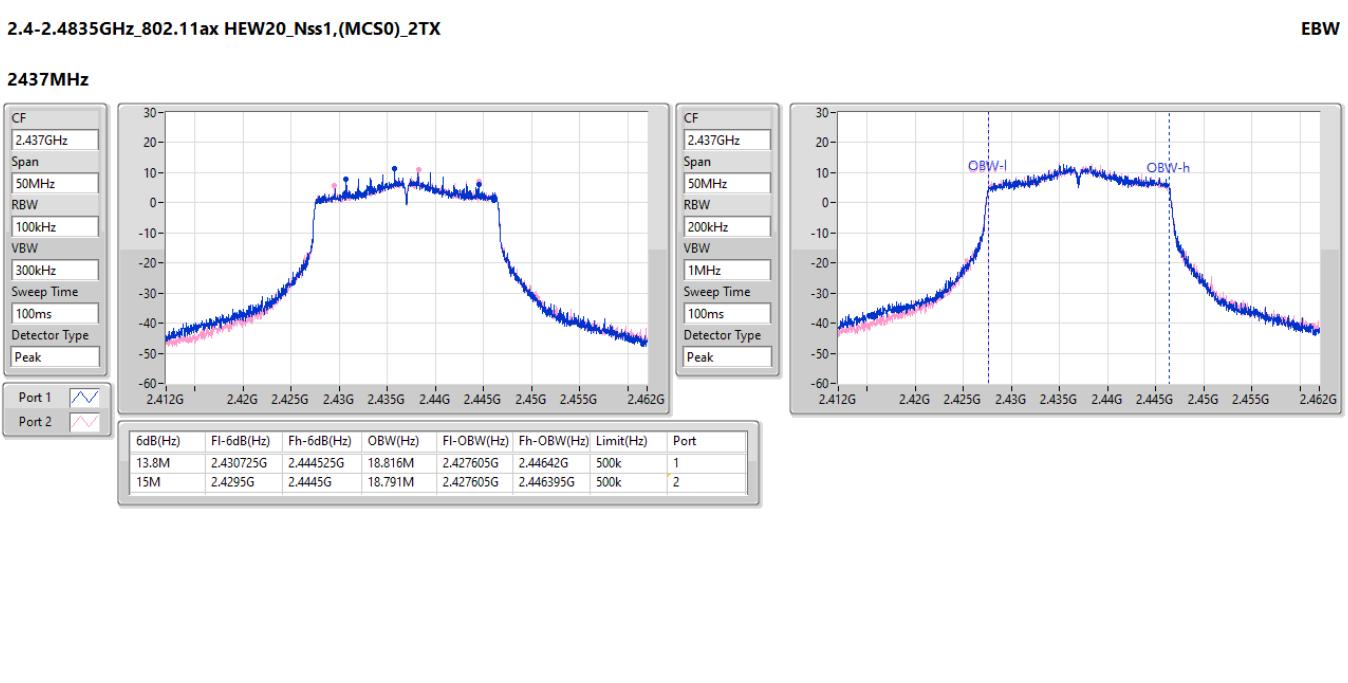
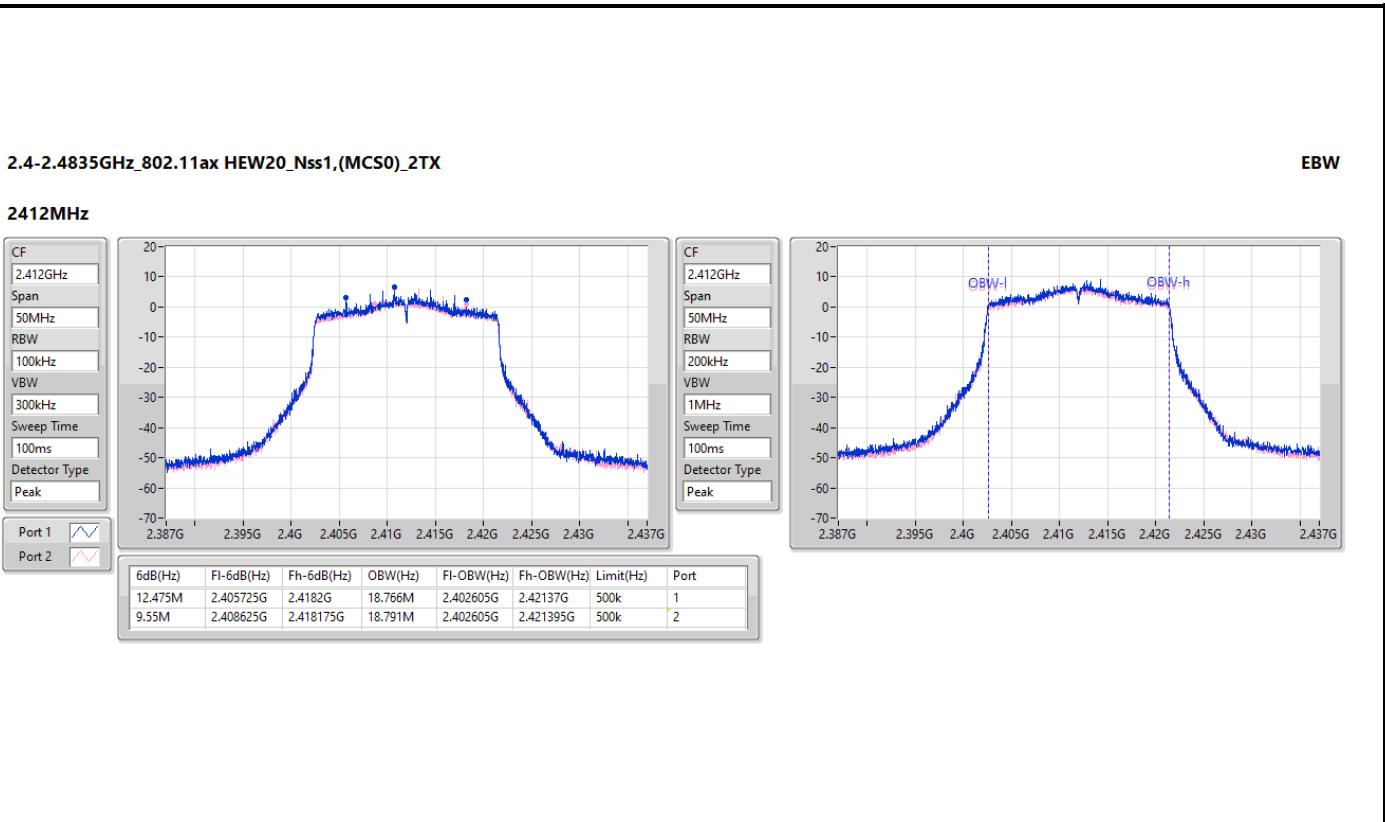
Port X-N dB = Port X 6dB down bandwidth;

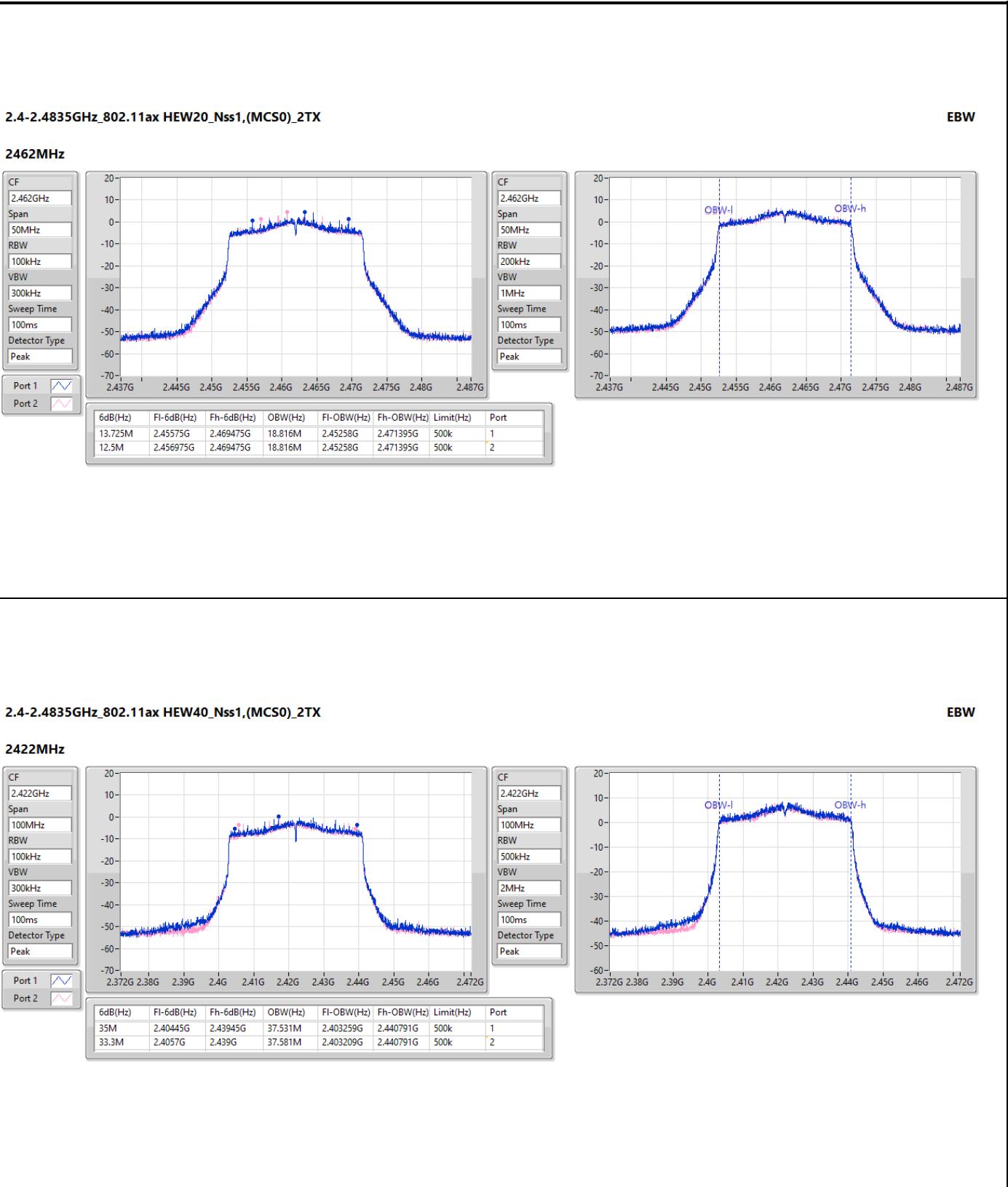
Port X-OBW = Port X 99% occupied bandwidth

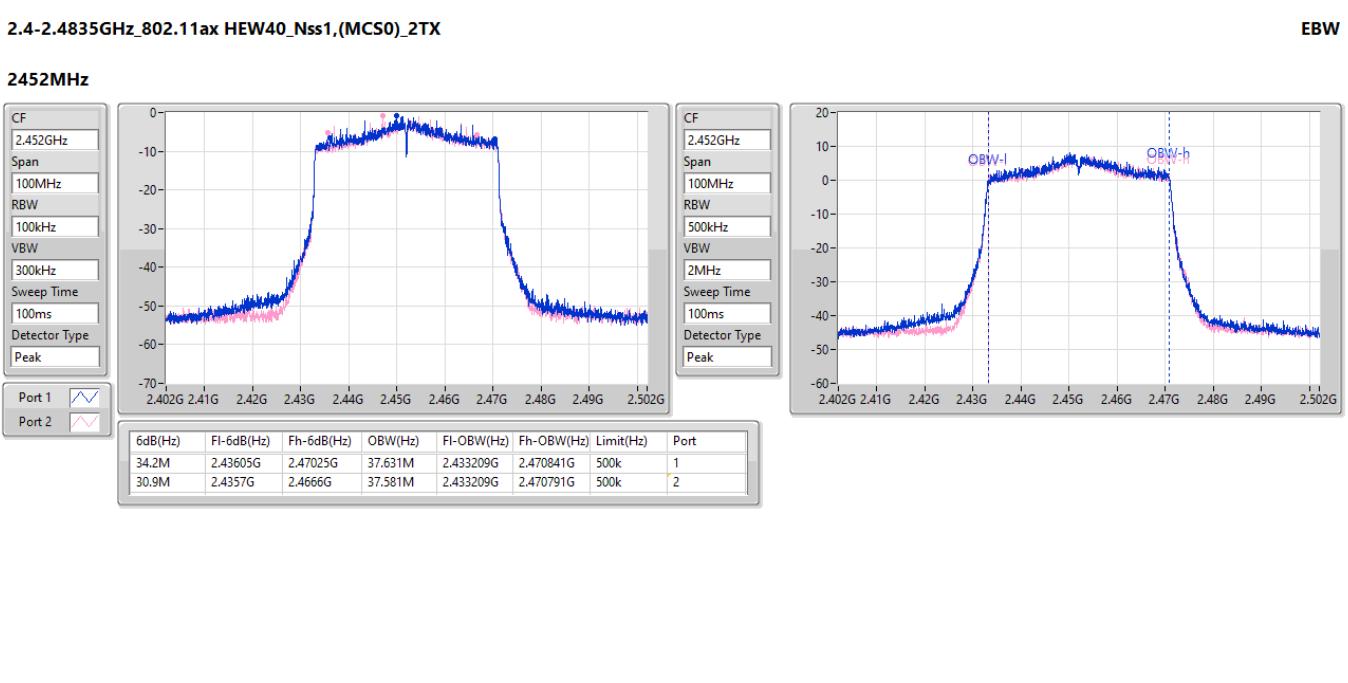
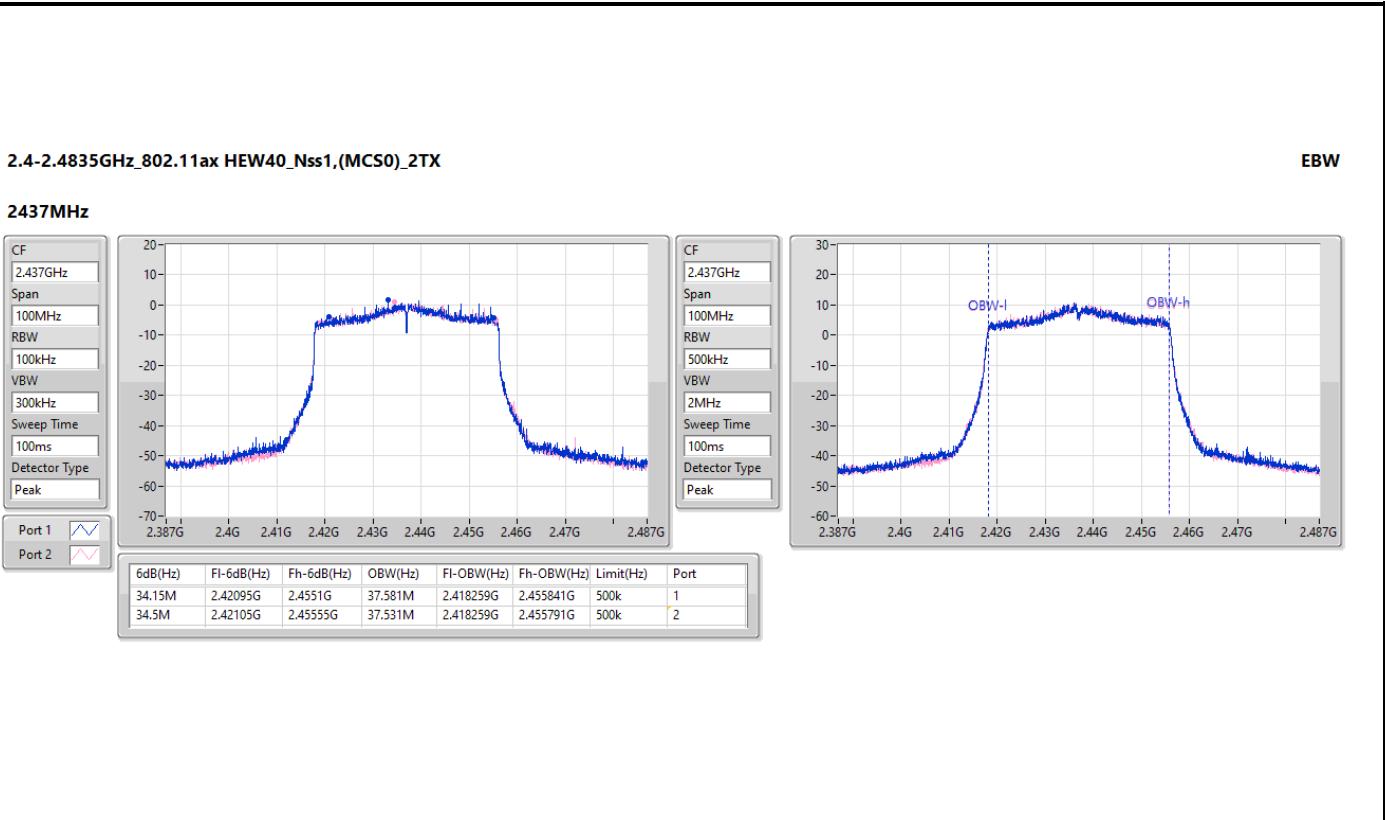
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz












**Non-beamforming mode****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.58	0.11429
802.11g_Nss1,(6Mbps)_2TX	22.93	0.19634
802.11ax HEW20_Nss1,(MCS0)_2TX	22.81	0.19099
802.11ax HEW40_Nss1,(MCS0)_2TX	18.51	0.07096

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	13.00	15.21	14.83	18.03	28.00	31.03	Inf
2437MHz	Pass	13.00	17.76	17.38	20.58	28.00	33.58	Inf
2462MHz	Pass	13.00	15.06	14.91	18.00	28.00	31.00	Inf
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	13.00	16.51	16.55	19.54	28.00	32.54	Inf
2437MHz	Pass	13.00	19.66	20.17	22.93	28.00	35.93	Inf
2462MHz	Pass	13.00	15.02	14.82	17.93	28.00	30.93	Inf
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	13.00	16.07	15.33	18.73	28.00	31.73	Inf
2437MHz	Pass	13.00	19.54	20.05	22.81	28.00	35.81	Inf
2462MHz	Pass	13.00	13.55	13.32	16.45	28.00	29.45	Inf
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	13.00	13.3	13.36	16.34	28.00	29.34	Inf
2437MHz	Pass	13.00	15.55	15.45	18.51	28.00	31.51	Inf
2452MHz	Pass	13.00	12.87	12.76	15.83	28.00	28.83	Inf

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

Directional Gain = 13 dBi > 6 dBi, Power limit shall be reduced to 30 – Floor [(13 – 6) / 3] = 28

**Beamforming mode****Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.80	0.09550
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	15.50	0.03548

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	-	-	-	-	-	-	-	-
2412MHz	Pass	16.01	13.06	12.32	15.72	27.00	31.73	Inf
2437MHz	Pass	16.01	16.53	17.04	19.80	27.00	35.81	Inf
2462MHz	Pass	16.01	10.54	10.31	13.44	27.00	29.45	Inf
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	16.01	10.29	10.35	13.33	27.00	29.34	Inf
2437MHz	Pass	16.01	12.54	12.44	15.50	27.00	31.51	Inf
2452MHz	Pass	16.01	9.86	9.75	12.82	27.00	28.83	Inf

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

Directional Gain = $13 + 10 \cdot \log(2/1) = 16.01 \text{ dBi} > 6 \text{ dBi}$, Power limit shall be reduced to $30 - \text{Floor} [(16 - 6) / 3] = 27$

**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-6.89
802.11g_Nss1,(6Mbps)_2TX	-6.90
802.11ax HEW20_Nss1,(MCS0)_2TX	-9.51
802.11ax HEW40_Nss1,(MCS0)_2TX	-13.10

RBW = 3kHz;

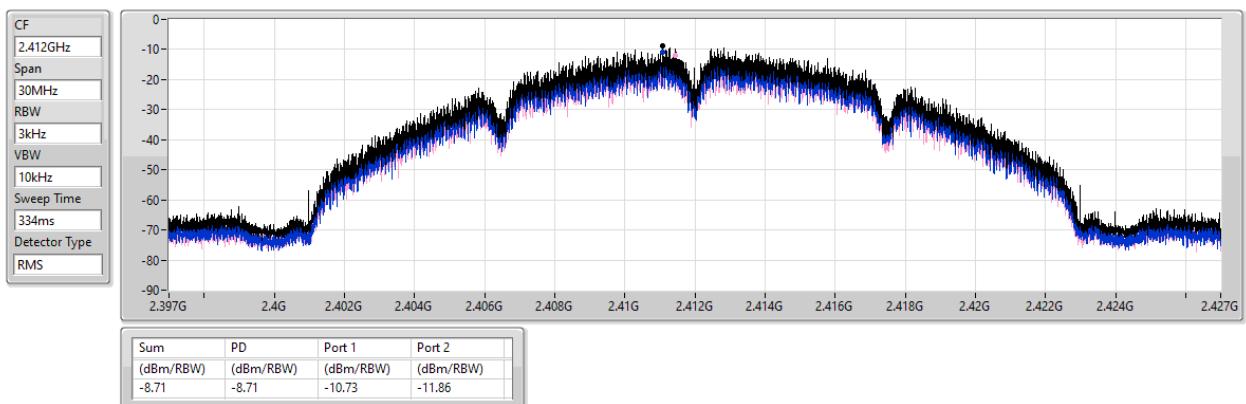
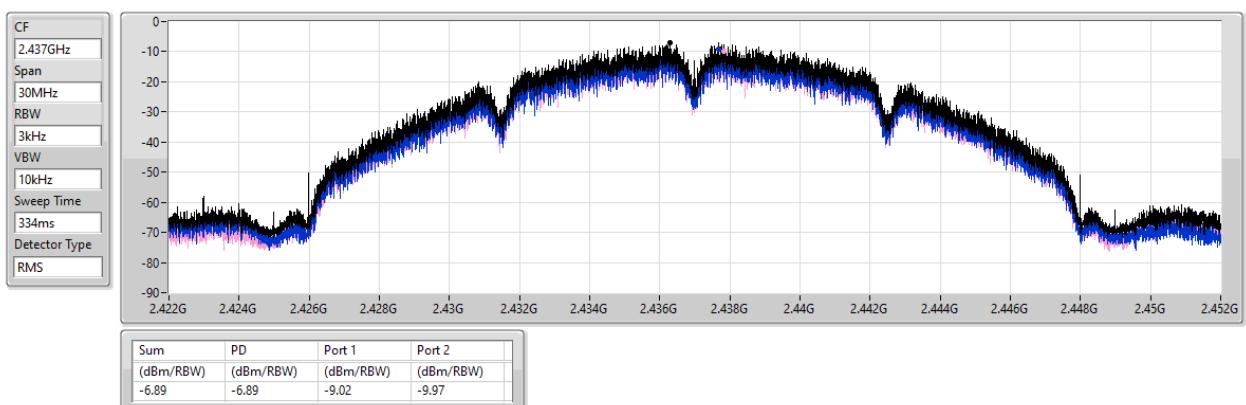
Result

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	16.01	-10.73	-11.86	-8.71	5.00
2437MHz	Pass	16.01	-9.02	-9.97	-6.89	5.00
2462MHz	Pass	16.01	-12.12	-11.74	-9.21	5.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	16.01	-13.05	-13.53	-10.63	5.00
2437MHz	Pass	16.01	-9.67	-9.37	-6.90	5.00
2462MHz	Pass	16.01	-14.67	-14.70	-12.13	5.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	16.01	-15.50	-16.64	-13.71	5.00
2437MHz	Pass	16.01	-12.13	-12.41	-9.51	5.00
2462MHz	Pass	16.01	-18.54	-18.54	-16.47	5.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	16.01	-21.69	-13.49	-13.10	5.00
2437MHz	Pass	16.01	-19.22	-18.97	-16.92	5.00
2452MHz	Pass	16.01	-21.68	-21.11	-19.15	5.00

DG = Directional Gain; RBW = 3kHz;

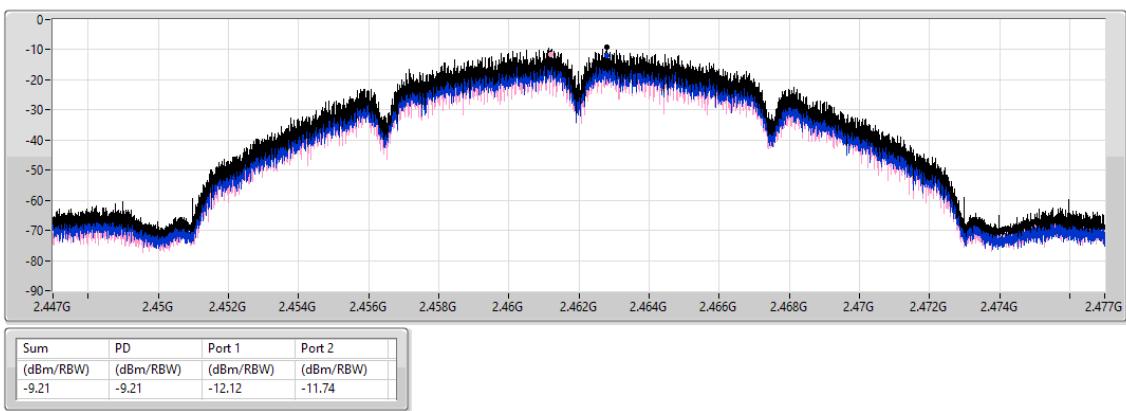
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Directional Gain = $13 + 10 * \log(2/1) = 16.01$ dBi > 6 dBi, Power limit shall be reduced to $8 - \text{Floor} [(16 - 6) / 3] = 5$

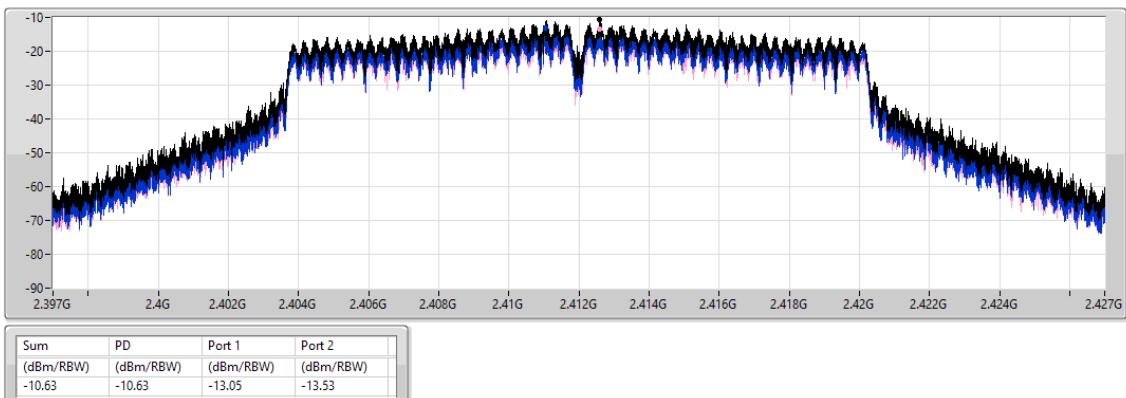
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
PSD
2412MHz

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
PSD
2437MHz


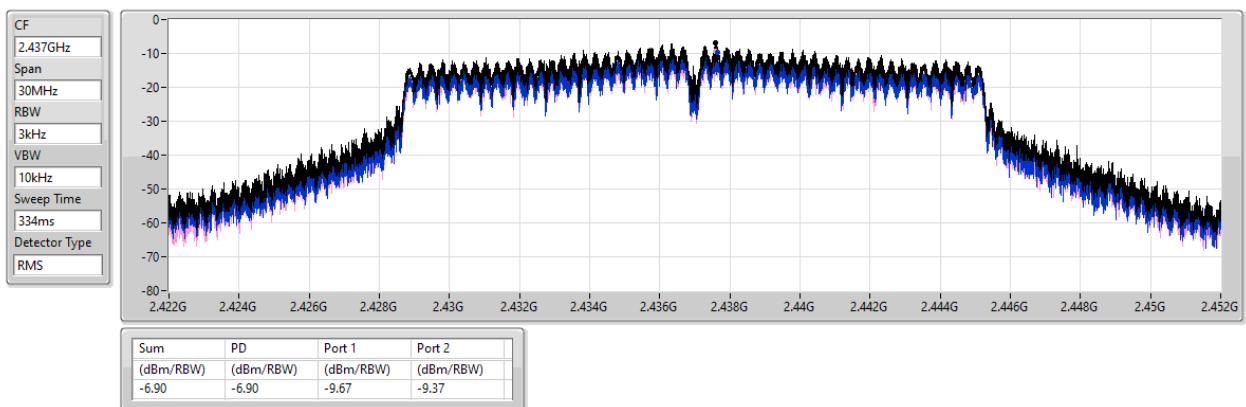
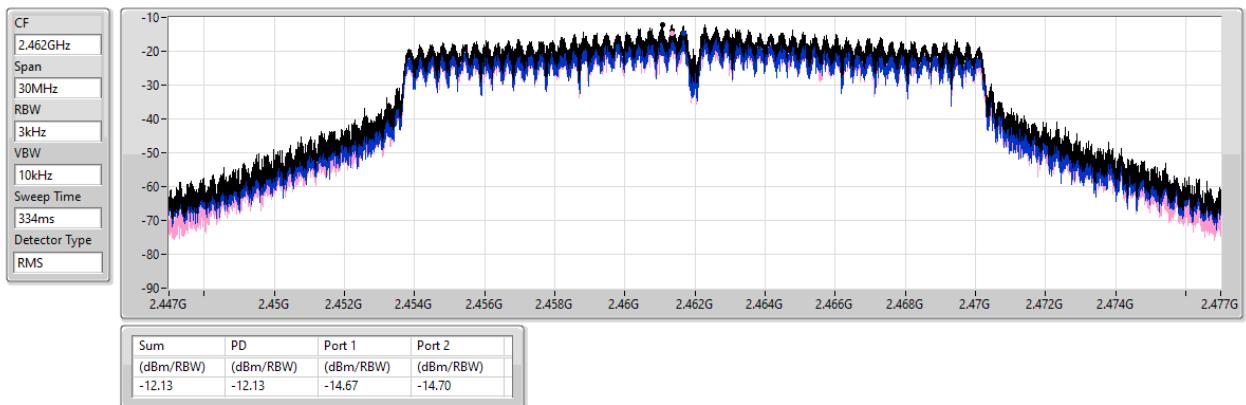
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
PSD
2462MHz

CF
2.462GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS


Sum
Port 1
Port 2
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
PSD
2412MHz

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS


Sum
Port 1
Port 2

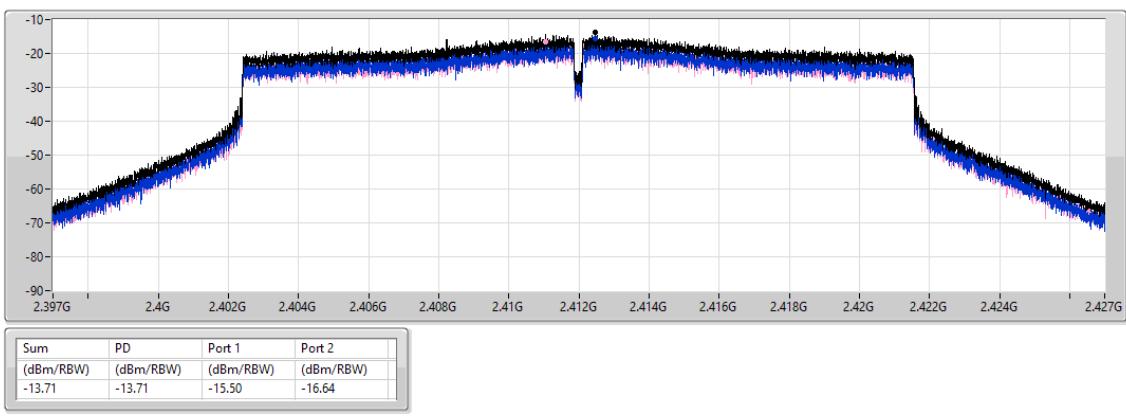
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
PSD
2437MHz

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
PSD
2462MHz


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

PSD

2412MHz

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS

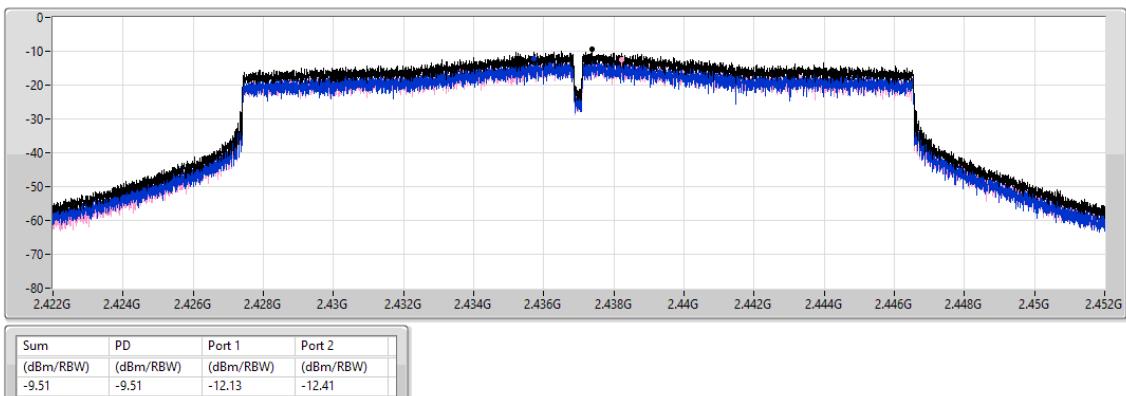


PSD

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

2437MHz

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS

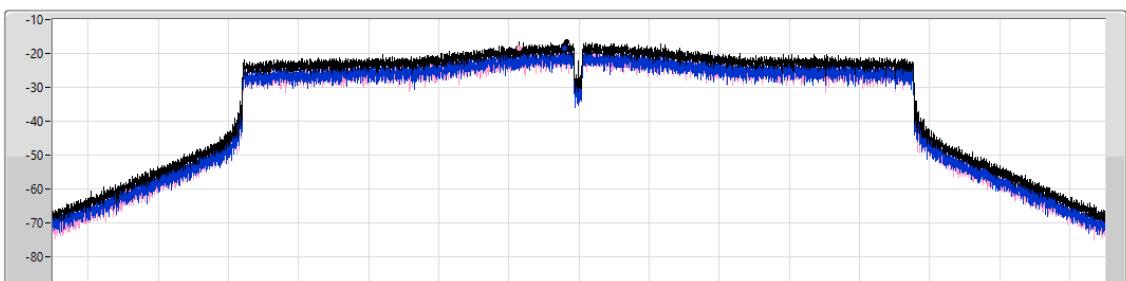


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

CF
2.462GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
334ms
Detector Type
RMS



Sum

Port 1

Port 2

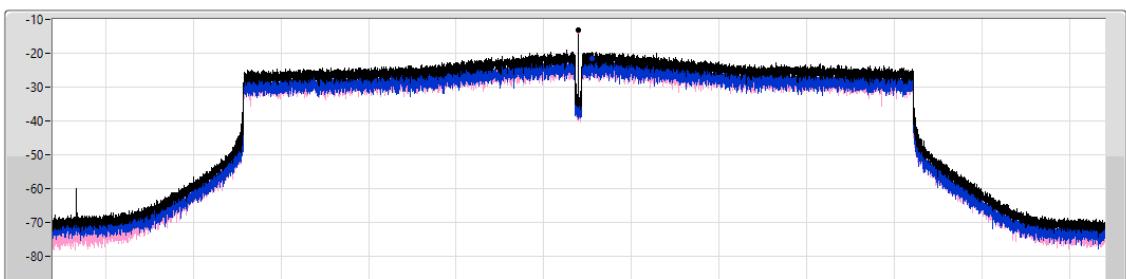
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.47	-16.47	-18.54	-18.54

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

PSD

2422MHz

CF
2.422GHz
Span
60MHz
RBW
3kHz
VBW
10kHz
Sweep Time
667ms
Detector Type
RMS



Sum

Port 1

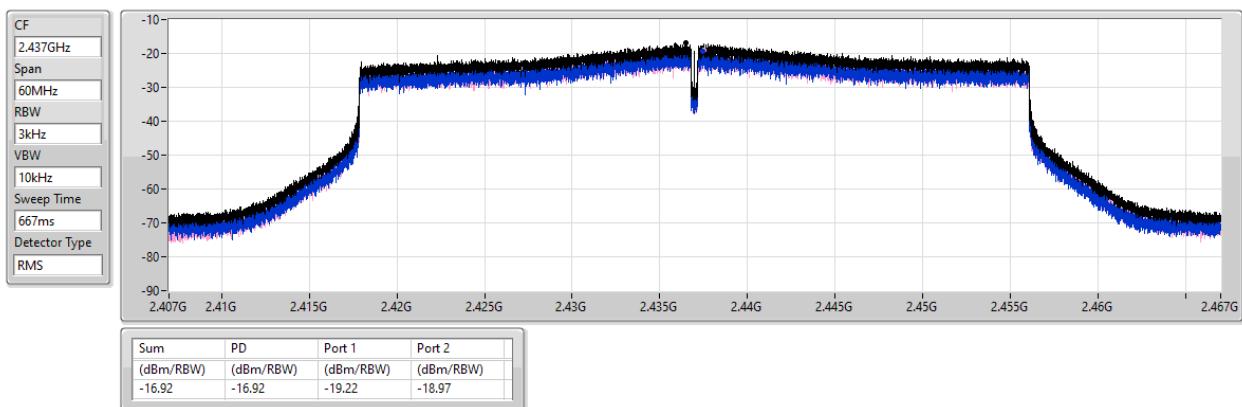
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.10	-13.10	-21.69	-13.49

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

PSD

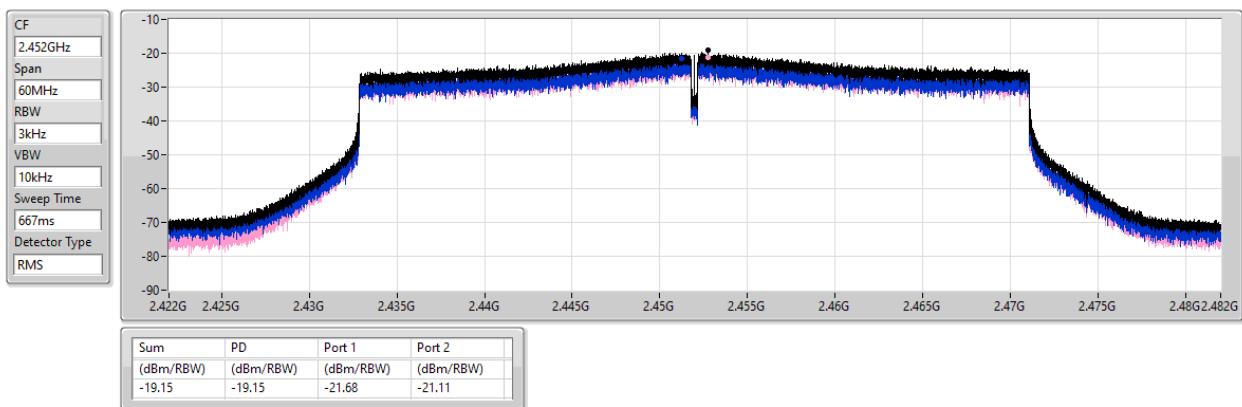
2437MHz



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

PSD

2452MHz





Unwanted Emissions (Below 1GHz)

Modulation	11g	Test Freq. (MHz)	2437																																																														
Polarization	Horizontal																																																																
Test By :Brad Wu		Temperature (°C) :23	Humidity(%) :62																																																														
<table border="1"> <thead> <tr> <th>Freq. (MHz)</th> <th>Emission Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>SA reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Remark</th> <th>ANT High (cm)</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>81.41</td> <td>29.82</td> <td>40.00</td> <td>-10.18</td> <td>43.76</td> <td>-13.94</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>2</td> <td>106.63</td> <td>38.51</td> <td>43.50</td> <td>-4.99</td> <td>50.62</td> <td>-12.11</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>3</td> <td>165.80</td> <td>36.56</td> <td>43.50</td> <td>-6.94</td> <td>45.39</td> <td>-8.83</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>4</td> <td>196.84</td> <td>33.31</td> <td>43.50</td> <td>-10.19</td> <td>45.01</td> <td>-11.70</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>5</td> <td>257.95</td> <td>35.23</td> <td>46.00</td> <td>-10.77</td> <td>44.96</td> <td>-9.73</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>6</td> <td>318.09</td> <td>30.00</td> <td>46.00</td> <td>-16.00</td> <td>37.53</td> <td>-7.53</td> <td>Peak</td> <td>---</td> </tr> </tbody> </table>				Freq. (MHz)	Emission Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg	1	81.41	29.82	40.00	-10.18	43.76	-13.94	Peak	---	2	106.63	38.51	43.50	-4.99	50.62	-12.11	Peak	---	3	165.80	36.56	43.50	-6.94	45.39	-8.83	Peak	---	4	196.84	33.31	43.50	-10.19	45.01	-11.70	Peak	---	5	257.95	35.23	46.00	-10.77	44.96	-9.73	Peak	---	6	318.09	30.00	46.00	-16.00	37.53	-7.53	Peak	---
Freq. (MHz)	Emission Limit (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg																																																										
1	81.41	29.82	40.00	-10.18	43.76	-13.94	Peak	---																																																									
2	106.63	38.51	43.50	-4.99	50.62	-12.11	Peak	---																																																									
3	165.80	36.56	43.50	-6.94	45.39	-8.83	Peak	---																																																									
4	196.84	33.31	43.50	-10.19	45.01	-11.70	Peak	---																																																									
5	257.95	35.23	46.00	-10.77	44.96	-9.73	Peak	---																																																									
6	318.09	30.00	46.00	-16.00	37.53	-7.53	Peak	---																																																									
<p>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.</p>																																																																	



Modulation	11g	Test Freq. (MHz)	2437																																																																
Polarization	Vertical																																																																		
Test By	:Brad Wu	Temperature (°C): 23	Humidity (%): 62																																																																
<table> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dBuV/m</th> <th>reading</th> <th>dBuV</th> <th>Factor</th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>32.91</td> <td>36.75</td> <td>40.00</td> <td>-3.25</td> <td>46.88</td> <td>100</td> <td>182</td> </tr> <tr> <td>2</td> <td>51.34</td> <td>34.79</td> <td>40.00</td> <td>-5.21</td> <td>43.41</td> <td>---</td> <td>---</td> </tr> <tr> <td>3</td> <td>106.63</td> <td>36.83</td> <td>43.50</td> <td>-6.67</td> <td>48.94</td> <td>-8.62</td> <td>Peak</td> </tr> <tr> <td>4</td> <td>162.89</td> <td>39.10</td> <td>43.50</td> <td>-4.40</td> <td>47.75</td> <td>Peak</td> <td>---</td> </tr> <tr> <td>5</td> <td>186.17</td> <td>34.57</td> <td>43.50</td> <td>-8.93</td> <td>45.54</td> <td>12.11</td> <td>---</td> </tr> <tr> <td>6</td> <td>251.16</td> <td>33.71</td> <td>46.00</td> <td>-12.29</td> <td>43.59</td> <td>-10.97</td> <td>Peak</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	reading	dBuV	Factor	High	Table	1	32.91	36.75	40.00	-3.25	46.88	100	182	2	51.34	34.79	40.00	-5.21	43.41	---	---	3	106.63	36.83	43.50	-6.67	48.94	-8.62	Peak	4	162.89	39.10	43.50	-4.40	47.75	Peak	---	5	186.17	34.57	43.50	-8.93	45.54	12.11	---	6	251.16	33.71	46.00	-12.29	43.59	-10.97	Peak
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																												
MHz	level	dBuV/m	reading	dBuV	Factor	High	Table																																																												
1	32.91	36.75	40.00	-3.25	46.88	100	182																																																												
2	51.34	34.79	40.00	-5.21	43.41	---	---																																																												
3	106.63	36.83	43.50	-6.67	48.94	-8.62	Peak																																																												
4	162.89	39.10	43.50	-4.40	47.75	Peak	---																																																												
5	186.17	34.57	43.50	-8.93	45.54	12.11	---																																																												
6	251.16	33.71	46.00	-12.29	43.59	-10.97	Peak																																																												

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor, cable loss and amplifier gain

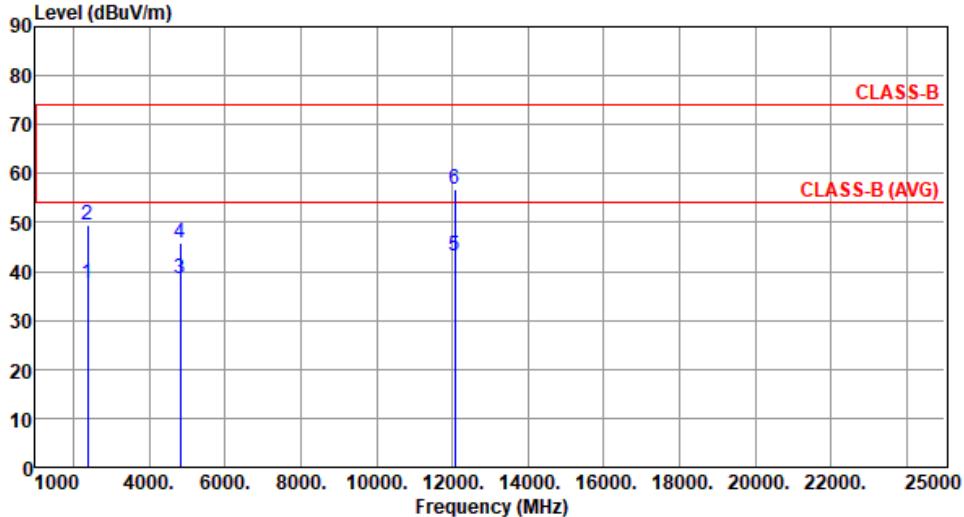
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

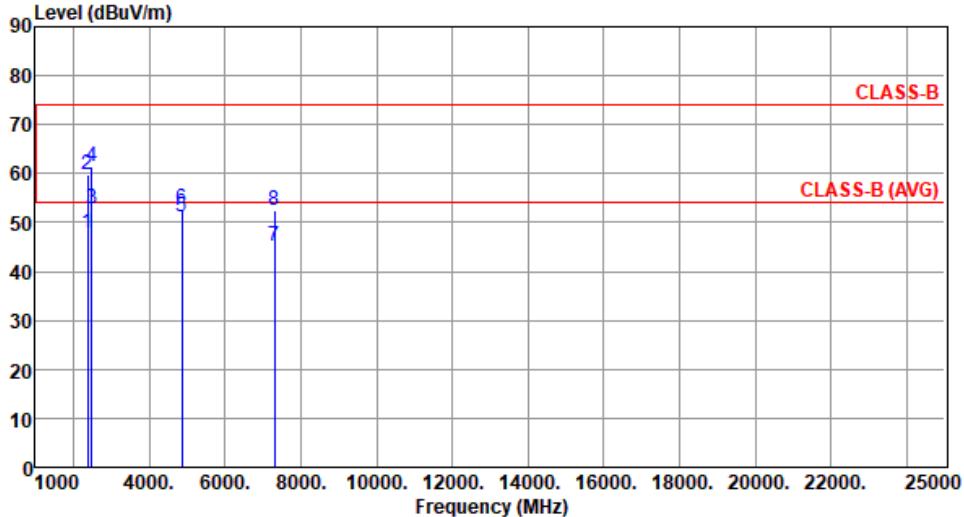
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



Unwanted Emission (Above 1GHz) for 11b

Modulation	11b	Test Freq. (MHz)	2412																																																														
Polarization	Horizontal																																																																
Test By	: Roger Lu	Temperature (°C)	: 22																																																														
Humidity (%) : 64																																																																	
<table border="1"> <thead> <tr> <th>Freq. (MHz)</th> <th>Emission level (dBuV/m)</th> <th>Margin (dB)</th> <th>SA reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Remark</th> <th>ANT High (cm)</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>2390.00</td> <td>52.91</td> <td>54.00</td> <td>-1.09</td> <td>56.68</td> <td>-3.77</td> <td>Average</td> <td>104</td> <td>181</td> </tr> <tr> <td>2390.00</td> <td>60.99</td> <td>74.00</td> <td>-13.01</td> <td>64.76</td> <td>-3.77</td> <td>Peak</td> <td>104</td> <td>181</td> </tr> <tr> <td>4824.00</td> <td>49.95</td> <td>54.00</td> <td>-4.05</td> <td>49.86</td> <td>0.09</td> <td>Average</td> <td>148</td> <td>182</td> </tr> <tr> <td>4824.00</td> <td>50.86</td> <td>74.00</td> <td>-23.14</td> <td>50.77</td> <td>0.09</td> <td>Peak</td> <td>148</td> <td>182</td> </tr> <tr> <td>12060.00</td> <td>43.34</td> <td>54.00</td> <td>-10.66</td> <td>35.68</td> <td>7.66</td> <td>Average</td> <td>100</td> <td>175</td> </tr> <tr> <td>12060.00</td> <td>56.88</td> <td>74.00</td> <td>-17.12</td> <td>49.22</td> <td>7.66</td> <td>Peak</td> <td>100</td> <td>175</td> </tr> </tbody> </table>				Freq. (MHz)	Emission level (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg	2390.00	52.91	54.00	-1.09	56.68	-3.77	Average	104	181	2390.00	60.99	74.00	-13.01	64.76	-3.77	Peak	104	181	4824.00	49.95	54.00	-4.05	49.86	0.09	Average	148	182	4824.00	50.86	74.00	-23.14	50.77	0.09	Peak	148	182	12060.00	43.34	54.00	-10.66	35.68	7.66	Average	100	175	12060.00	56.88	74.00	-17.12	49.22	7.66	Peak	100	175
Freq. (MHz)	Emission level (dBuV/m)	Margin (dB)	SA reading (dBuV)	Factor (dB/m)	Remark	ANT High (cm)	Turn Table deg																																																										
2390.00	52.91	54.00	-1.09	56.68	-3.77	Average	104	181																																																									
2390.00	60.99	74.00	-13.01	64.76	-3.77	Peak	104	181																																																									
4824.00	49.95	54.00	-4.05	49.86	0.09	Average	148	182																																																									
4824.00	50.86	74.00	-23.14	50.77	0.09	Peak	148	182																																																									
12060.00	43.34	54.00	-10.66	35.68	7.66	Average	100	175																																																									
12060.00	56.88	74.00	-17.12	49.22	7.66	Peak	100	175																																																									
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	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																										
																																																																													
<table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA Factor</th> <th>Remark</th> <th>ANT High</th> <th>Turn Table</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dB</th> <th>reading</th> <th></th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2390.00</td> <td>37.51</td> <td>54.00</td> <td>-16.49</td> <td>41.28</td> <td>-3.77</td> <td>Average</td> <td>130</td> <td>211</td> </tr> <tr> <td>2</td> <td>2390.00</td> <td>49.52</td> <td>74.00</td> <td>-24.48</td> <td>53.29</td> <td>-3.77</td> <td>Peak</td> <td>130</td> <td>211</td> </tr> <tr> <td>3</td> <td>4824.00</td> <td>38.56</td> <td>54.00</td> <td>-15.44</td> <td>38.47</td> <td>0.09</td> <td>Average</td> <td>137</td> <td>122</td> </tr> <tr> <td>4</td> <td>4824.00</td> <td>45.85</td> <td>74.00</td> <td>-28.15</td> <td>45.76</td> <td>0.09</td> <td>Peak</td> <td>137</td> <td>122</td> </tr> <tr> <td>5</td> <td>12060.00</td> <td>43.34</td> <td>54.00</td> <td>-10.66</td> <td>35.68</td> <td>7.66</td> <td>Average</td> <td>100</td> <td>215</td> </tr> <tr> <td>6</td> <td>12060.00</td> <td>56.93</td> <td>74.00</td> <td>-17.07</td> <td>49.27</td> <td>7.66</td> <td>Peak</td> <td>100</td> <td>215</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA Factor	Remark	ANT High	Turn Table	MHz	level	dB	reading		cm	deg	1	2390.00	37.51	54.00	-16.49	41.28	-3.77	Average	130	211	2	2390.00	49.52	74.00	-24.48	53.29	-3.77	Peak	130	211	3	4824.00	38.56	54.00	-15.44	38.47	0.09	Average	137	122	4	4824.00	45.85	74.00	-28.15	45.76	0.09	Peak	137	122	5	12060.00	43.34	54.00	-10.66	35.68	7.66	Average	100	215	6	12060.00	56.93	74.00	-17.07	49.27	7.66	Peak	100	215
Freq.	Emission Limit	Margin	SA Factor	Remark	ANT High	Turn Table																																																																							
MHz	level	dB	reading		cm	deg																																																																							
1	2390.00	37.51	54.00	-16.49	41.28	-3.77	Average	130	211																																																																				
2	2390.00	49.52	74.00	-24.48	53.29	-3.77	Peak	130	211																																																																				
3	4824.00	38.56	54.00	-15.44	38.47	0.09	Average	137	122																																																																				
4	4824.00	45.85	74.00	-28.15	45.76	0.09	Peak	137	122																																																																				
5	12060.00	43.34	54.00	-10.66	35.68	7.66	Average	100	215																																																																				
6	12060.00	56.93	74.00	-17.07	49.27	7.66	Peak	100	215																																																																				
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																													

Modulation	11b	Test Freq. (MHz)	2437						
Polarization	Horizontal								
Test By	:Roger Lu	Temperature(°C):22	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	47.95	54.00	-6.05	51.72	-3.77	Average	160	181
2	2390.00	59.64	74.00	-14.36	63.41	-3.77	Peak	160	181
3	2483.50	52.86	54.00	-1.14	56.89	-4.03	Average	160	181
4	2483.50	61.32	74.00	-12.68	65.35	-4.03	Peak	160	181
5	4874.00	51.06	54.00	-2.94	51.02	0.04	Average	141	184
6	4874.00	52.93	74.00	-21.07	52.89	0.04	Peak	141	184
7	7311.00	45.06	54.00	-8.94	39.57	5.49	Average	163	183
8	7311.00	52.34	74.00	-21.66	46.85	5.49	Peak	163	183

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	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																																																
<table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2390.00</td> <td>37.40</td> <td>54.00</td> <td>-16.60</td> <td>41.17</td> <td>-3.77</td> <td>Average</td> <td>163</td> <td>187</td> </tr> <tr> <td>2</td> <td>2390.00</td> <td>52.73</td> <td>74.00</td> <td>-21.27</td> <td>56.50</td> <td>-3.77</td> <td>Peak</td> <td>163</td> <td>187</td> </tr> <tr> <td>3</td> <td>2483.50</td> <td>37.65</td> <td>54.00</td> <td>-16.35</td> <td>41.68</td> <td>-4.03</td> <td>Average</td> <td>163</td> <td>187</td> </tr> <tr> <td>4</td> <td>2483.50</td> <td>52.39</td> <td>74.00</td> <td>-21.61</td> <td>56.42</td> <td>-4.03</td> <td>Peak</td> <td>163</td> <td>187</td> </tr> <tr> <td>5</td> <td>4874.00</td> <td>40.49</td> <td>54.00</td> <td>-13.51</td> <td>40.45</td> <td>0.04</td> <td>Average</td> <td>139</td> <td>126</td> </tr> <tr> <td>6</td> <td>4874.00</td> <td>46.80</td> <td>74.00</td> <td>-27.20</td> <td>46.76</td> <td>0.04</td> <td>Peak</td> <td>139</td> <td>126</td> </tr> <tr> <td>7</td> <td>7311.00</td> <td>37.97</td> <td>54.00</td> <td>-16.03</td> <td>32.48</td> <td>5.49</td> <td>Average</td> <td>132</td> <td>184</td> </tr> <tr> <td>8</td> <td>7311.00</td> <td>50.00</td> <td>74.00</td> <td>-24.00</td> <td>44.51</td> <td>5.49</td> <td>Peak</td> <td>132</td> <td>184</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	High	Table	1	2390.00	37.40	54.00	-16.60	41.17	-3.77	Average	163	187	2	2390.00	52.73	74.00	-21.27	56.50	-3.77	Peak	163	187	3	2483.50	37.65	54.00	-16.35	41.68	-4.03	Average	163	187	4	2483.50	52.39	74.00	-21.61	56.42	-4.03	Peak	163	187	5	4874.00	40.49	54.00	-13.51	40.45	0.04	Average	139	126	6	4874.00	46.80	74.00	-27.20	46.76	0.04	Peak	139	126	7	7311.00	37.97	54.00	-16.03	32.48	5.49	Average	132	184	8	7311.00	50.00	74.00	-24.00	44.51	5.49	Peak	132	184
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																												
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	High	Table																																																																																												
1	2390.00	37.40	54.00	-16.60	41.17	-3.77	Average	163	187																																																																																										
2	2390.00	52.73	74.00	-21.27	56.50	-3.77	Peak	163	187																																																																																										
3	2483.50	37.65	54.00	-16.35	41.68	-4.03	Average	163	187																																																																																										
4	2483.50	52.39	74.00	-21.61	56.42	-4.03	Peak	163	187																																																																																										
5	4874.00	40.49	54.00	-13.51	40.45	0.04	Average	139	126																																																																																										
6	4874.00	46.80	74.00	-27.20	46.76	0.04	Peak	139	126																																																																																										
7	7311.00	37.97	54.00	-16.03	32.48	5.49	Average	132	184																																																																																										
8	7311.00	50.00	74.00	-24.00	44.51	5.49	Peak	132	184																																																																																										
<p>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).</p>																																																																																																			



Modulation	11b	Test Freq. (MHz)	2462				
Polarization	Horizontal						
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64				
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn
MHz	level	level	reading	reading		High	Table
	dBuV/m	dBuV/m	dB	dBuV	dB/m	cm	deg
1	2483.50	52.95	54.00	-1.05	56.98	-4.03	Average
2	2483.50	63.30	74.00	-10.70	67.33	-4.03	Peak
3	4924.00	49.52	54.00	-4.48	49.54	-0.02	Average
4	4924.00	50.11	74.00	-23.89	50.13	-0.02	Peak
5	7386.00	43.67	54.00	-10.33	38.24	5.43	Average
6	7386.00	51.16	74.00	-22.84	45.73	5.43	Peak

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

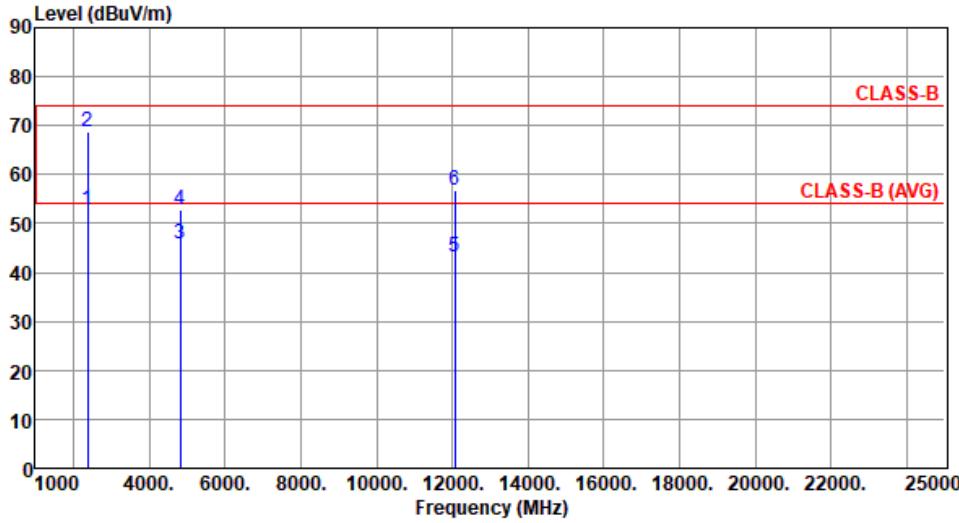
*Factor includes antenna factor, cable loss and amplifier gain

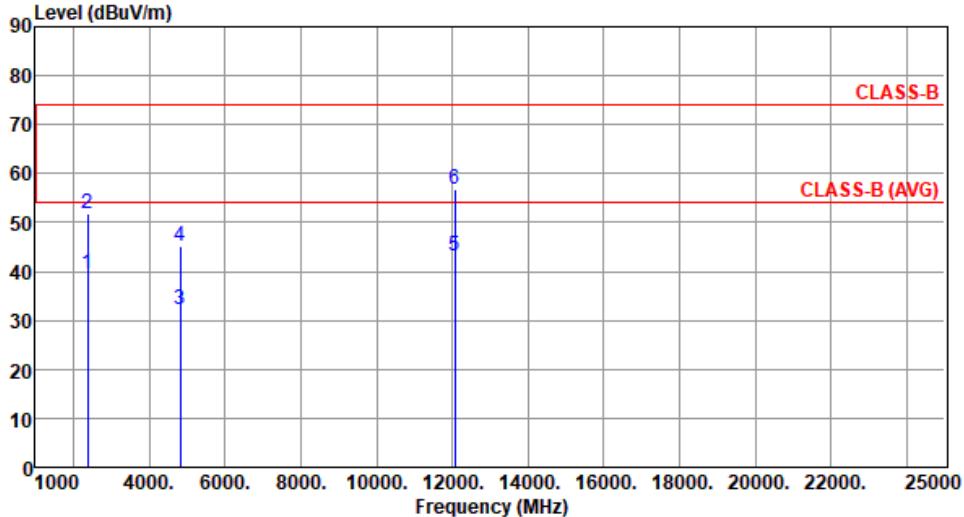
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11b	Test Freq. (MHz)	2462																																																																												
Polarization	Vertical																																																																														
Test By	Roger Lu	Temperature(°C):22	Humidity(%):64																																																																												
<table> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dBuV/m</th> <th>dB</th> <th>reading</th> <th></th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2483.50</td> <td>37.18</td> <td>54.00</td> <td>-16.82</td> <td>41.21</td> <td>-4.03</td> <td>Average</td> <td>167</td> <td>192</td> </tr> <tr> <td>2</td> <td>2483.50</td> <td>50.56</td> <td>74.00</td> <td>-23.44</td> <td>54.59</td> <td>-4.03</td> <td>Peak</td> <td>167</td> <td>192</td> </tr> <tr> <td>3</td> <td>4924.00</td> <td>38.40</td> <td>54.00</td> <td>-15.60</td> <td>38.42</td> <td>-0.02</td> <td>Average</td> <td>142</td> <td>130</td> </tr> <tr> <td>4</td> <td>4924.00</td> <td>45.74</td> <td>74.00</td> <td>-28.26</td> <td>45.76</td> <td>-0.02</td> <td>Peak</td> <td>142</td> <td>130</td> </tr> <tr> <td>5</td> <td>7386.00</td> <td>36.94</td> <td>54.00</td> <td>-17.06</td> <td>31.51</td> <td>5.43</td> <td>Average</td> <td>100</td> <td>182</td> </tr> <tr> <td>6</td> <td>7386.00</td> <td>49.86</td> <td>74.00</td> <td>-24.14</td> <td>44.43</td> <td>5.43</td> <td>Peak</td> <td>100</td> <td>182</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	dB	reading		High	Table	1	2483.50	37.18	54.00	-16.82	41.21	-4.03	Average	167	192	2	2483.50	50.56	74.00	-23.44	54.59	-4.03	Peak	167	192	3	4924.00	38.40	54.00	-15.60	38.42	-0.02	Average	142	130	4	4924.00	45.74	74.00	-28.26	45.76	-0.02	Peak	142	130	5	7386.00	36.94	54.00	-17.06	31.51	5.43	Average	100	182	6	7386.00	49.86	74.00	-24.14	44.43	5.43	Peak	100	182
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																								
MHz	level	dBuV/m	dB	reading		High	Table																																																																								
1	2483.50	37.18	54.00	-16.82	41.21	-4.03	Average	167	192																																																																						
2	2483.50	50.56	74.00	-23.44	54.59	-4.03	Peak	167	192																																																																						
3	4924.00	38.40	54.00	-15.60	38.42	-0.02	Average	142	130																																																																						
4	4924.00	45.74	74.00	-28.26	45.76	-0.02	Peak	142	130																																																																						
5	7386.00	36.94	54.00	-17.06	31.51	5.43	Average	100	182																																																																						
6	7386.00	49.86	74.00	-24.14	44.43	5.43	Peak	100	182																																																																						
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																															

Unwanted Emissions (Above 1GHz) for 11g

Modulation	11g	Test Freq. (MHz)	2412																																																															
Polarization	Horizontal																																																																	
Test By	: Roger Lu	Temperature (°C)	: 22																																																															
Humidity (%) : 64																																																																		
																																																																		
<table> <thead> <tr> <th>Freq. MHz</th> <th>Emission level dBuV/m</th> <th>Limit dBuV/m</th> <th>Margin dB</th> <th>SA reading dBuV</th> <th>Factor dB/m</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>52.88</td> <td>54.00</td> <td>-1.12</td> <td>56.65</td> <td>-3.77</td> <td>Average</td> <td>168</td> <td>181</td> </tr> <tr> <td>2</td> <td>68.79</td> <td>74.00</td> <td>-5.21</td> <td>72.56</td> <td>-3.77</td> <td>Peak</td> <td>168</td> <td>181</td> </tr> <tr> <td>3</td> <td>45.77</td> <td>54.00</td> <td>-8.23</td> <td>45.68</td> <td>0.09</td> <td>Average</td> <td>172</td> <td>181</td> </tr> <tr> <td>4</td> <td>52.66</td> <td>74.00</td> <td>-21.34</td> <td>52.57</td> <td>0.09</td> <td>Peak</td> <td>172</td> <td>181</td> </tr> <tr> <td>5</td> <td>43.12</td> <td>54.00</td> <td>-10.88</td> <td>35.46</td> <td>7.66</td> <td>Average</td> <td>100</td> <td>172</td> </tr> <tr> <td>6</td> <td>56.77</td> <td>74.00</td> <td>-17.23</td> <td>49.11</td> <td>7.66</td> <td>Peak</td> <td>100</td> <td>172</td> </tr> </tbody> </table>				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	52.88	54.00	-1.12	56.65	-3.77	Average	168	181	2	68.79	74.00	-5.21	72.56	-3.77	Peak	168	181	3	45.77	54.00	-8.23	45.68	0.09	Average	172	181	4	52.66	74.00	-21.34	52.57	0.09	Peak	172	181	5	43.12	54.00	-10.88	35.46	7.66	Average	100	172	6	56.77	74.00	-17.23	49.11	7.66	Peak	100	172
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	52.88	54.00	-1.12	56.65	-3.77	Average	168	181																																																										
2	68.79	74.00	-5.21	72.56	-3.77	Peak	168	181																																																										
3	45.77	54.00	-8.23	45.68	0.09	Average	172	181																																																										
4	52.66	74.00	-21.34	52.57	0.09	Peak	172	181																																																										
5	43.12	54.00	-10.88	35.46	7.66	Average	100	172																																																										
6	56.77	74.00	-17.23	49.11	7.66	Peak	100	172																																																										
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																		

Modulation	11g	Test Freq. (MHz)	2412																																																																												
Polarization	Vertical																																																																														
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																												
																																																																															
<table> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dBuV/m</th> <th>dB</th> <th>reading</th> <th></th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2390.00</td> <td>39.36</td> <td>54.00</td> <td>-14.64</td> <td>43.13</td> <td>-3.77</td> <td>Average</td> <td>156</td> <td>189</td> </tr> <tr> <td>2</td> <td>2390.00</td> <td>51.85</td> <td>74.00</td> <td>-22.15</td> <td>55.62</td> <td>-3.77</td> <td>Peak</td> <td>156</td> <td>189</td> </tr> <tr> <td>3</td> <td>4824.00</td> <td>32.25</td> <td>54.00</td> <td>-21.75</td> <td>32.16</td> <td>0.09</td> <td>Average</td> <td>100</td> <td>185</td> </tr> <tr> <td>4</td> <td>4824.00</td> <td>45.22</td> <td>74.00</td> <td>-28.78</td> <td>45.13</td> <td>0.09</td> <td>Peak</td> <td>100</td> <td>185</td> </tr> <tr> <td>5</td> <td>12060.00</td> <td>43.12</td> <td>54.00</td> <td>-10.88</td> <td>35.46</td> <td>7.66</td> <td>Average</td> <td>100</td> <td>208</td> </tr> <tr> <td>6</td> <td>12060.00</td> <td>56.89</td> <td>74.00</td> <td>-17.11</td> <td>49.23</td> <td>7.66</td> <td>Peak</td> <td>100</td> <td>208</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	dB	reading		High	Table	1	2390.00	39.36	54.00	-14.64	43.13	-3.77	Average	156	189	2	2390.00	51.85	74.00	-22.15	55.62	-3.77	Peak	156	189	3	4824.00	32.25	54.00	-21.75	32.16	0.09	Average	100	185	4	4824.00	45.22	74.00	-28.78	45.13	0.09	Peak	100	185	5	12060.00	43.12	54.00	-10.88	35.46	7.66	Average	100	208	6	12060.00	56.89	74.00	-17.11	49.23	7.66	Peak	100	208
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																								
MHz	level	dBuV/m	dB	reading		High	Table																																																																								
1	2390.00	39.36	54.00	-14.64	43.13	-3.77	Average	156	189																																																																						
2	2390.00	51.85	74.00	-22.15	55.62	-3.77	Peak	156	189																																																																						
3	4824.00	32.25	54.00	-21.75	32.16	0.09	Average	100	185																																																																						
4	4824.00	45.22	74.00	-28.78	45.13	0.09	Peak	100	185																																																																						
5	12060.00	43.12	54.00	-10.88	35.46	7.66	Average	100	208																																																																						
6	12060.00	56.89	74.00	-17.11	49.23	7.66	Peak	100	208																																																																						
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																															



Modulation	11g	Test Freq. (MHz)	2437						
Polarization	Horizontal								
Test By	:Roger Lu	Temperature(°C):22	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	50.98	54.00	-3.02	54.75	-3.77	Average	167	179
2	2390.00	64.51	74.00	-9.49	68.28	-3.77	Peak	167	179
3	2483.50	52.80	54.00	-1.20	56.83	-4.03	Average	167	179
4	2483.50	66.17	74.00	-7.83	70.20	-4.03	Peak	167	179
5	4874.00	47.42	54.00	-6.58	47.38	0.04	Average	170	183
6	4874.00	53.98	74.00	-20.02	53.94	0.04	Peak	170	183
7	7311.00	44.50	54.00	-9.50	39.01	5.49	Average	224	185
8	7311.00	58.05	74.00	-15.95	52.56	5.49	Peak	224	185

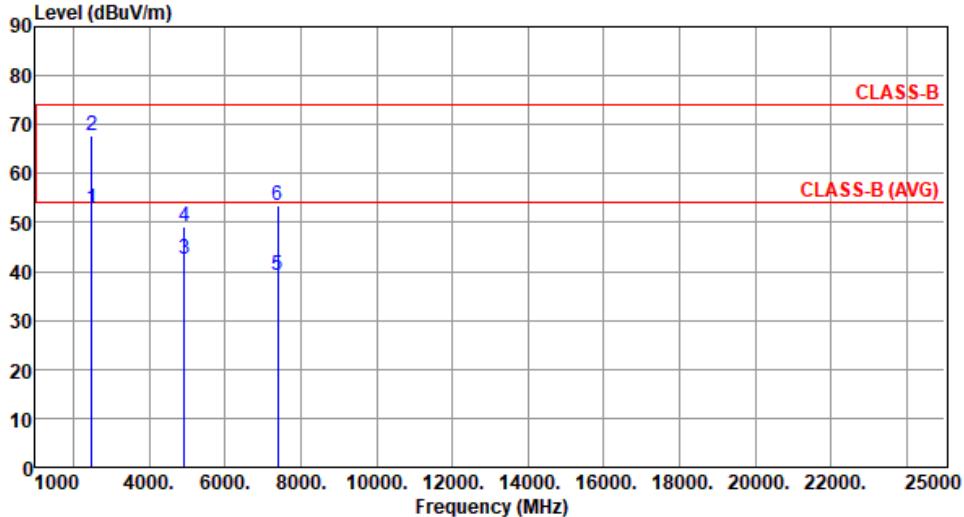
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



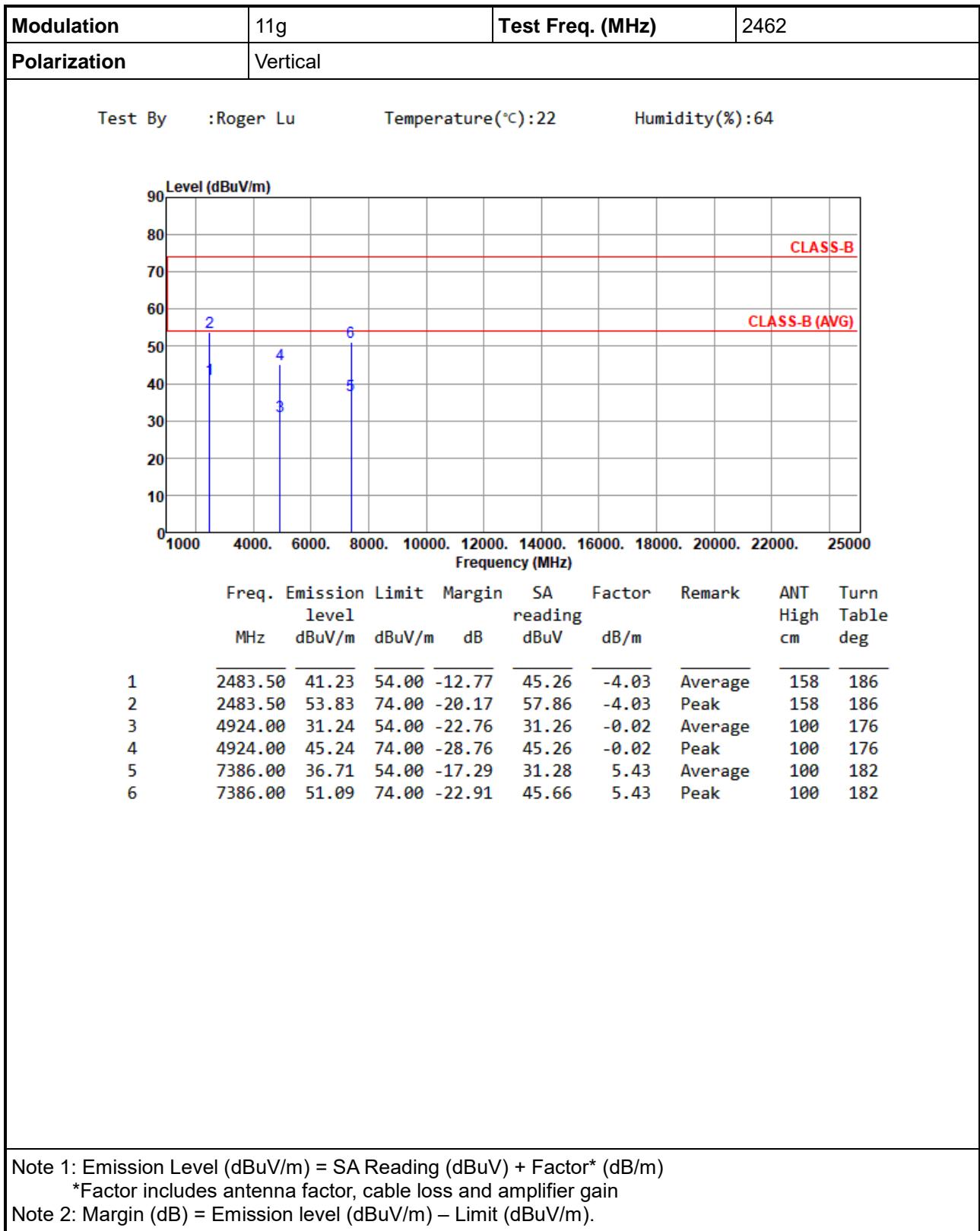
Modulation	11g	Test Freq. (MHz)	2437																																																																																									
Polarization	Vertical																																																																																											
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																																									
<table border="1"> <thead> <tr> <th>Freq. (MHz)</th> <th>Emission level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>SA reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Remark</th> <th>ANT High (cm)</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr><td>1</td><td>2390.00</td><td>37.41</td><td>54.00</td><td>-16.59</td><td>41.18</td><td>-3.77</td><td>Average</td><td>153</td><td>193</td></tr> <tr><td>2</td><td>2390.00</td><td>48.56</td><td>74.00</td><td>-25.44</td><td>52.33</td><td>-3.77</td><td>Peak</td><td>153</td><td>193</td></tr> <tr><td>3</td><td>2483.50</td><td>38.25</td><td>54.00</td><td>-15.75</td><td>42.28</td><td>-4.03</td><td>Average</td><td>153</td><td>193</td></tr> <tr><td>4</td><td>2483.50</td><td>51.63</td><td>74.00</td><td>-22.37</td><td>55.66</td><td>-4.03</td><td>Peak</td><td>153</td><td>193</td></tr> <tr><td>5</td><td>4874.00</td><td>34.90</td><td>54.00</td><td>-19.10</td><td>34.86</td><td>0.04</td><td>Average</td><td>223</td><td>116</td></tr> <tr><td>6</td><td>4874.00</td><td>46.29</td><td>74.00</td><td>-27.71</td><td>46.25</td><td>0.04</td><td>Peak</td><td>223</td><td>116</td></tr> <tr><td>7</td><td>7311.00</td><td>37.66</td><td>54.00</td><td>-16.34</td><td>32.17</td><td>5.49</td><td>Average</td><td>100</td><td>176</td></tr> <tr><td>8</td><td>7311.00</td><td>51.30</td><td>74.00</td><td>-22.70</td><td>45.81</td><td>5.49</td><td>Peak</td><td>100</td><td>176</td></tr> </tbody> </table>				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	37.41	54.00	-16.59	41.18	-3.77	Average	153	193	2	2390.00	48.56	74.00	-25.44	52.33	-3.77	Peak	153	193	3	2483.50	38.25	54.00	-15.75	42.28	-4.03	Average	153	193	4	2483.50	51.63	74.00	-22.37	55.66	-4.03	Peak	153	193	5	4874.00	34.90	54.00	-19.10	34.86	0.04	Average	223	116	6	4874.00	46.29	74.00	-27.71	46.25	0.04	Peak	223	116	7	7311.00	37.66	54.00	-16.34	32.17	5.49	Average	100	176	8	7311.00	51.30	74.00	-22.70	45.81	5.49	Peak	100	176
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	37.41	54.00	-16.59	41.18	-3.77	Average	153	193																																																																																			
2	2390.00	48.56	74.00	-25.44	52.33	-3.77	Peak	153	193																																																																																			
3	2483.50	38.25	54.00	-15.75	42.28	-4.03	Average	153	193																																																																																			
4	2483.50	51.63	74.00	-22.37	55.66	-4.03	Peak	153	193																																																																																			
5	4874.00	34.90	54.00	-19.10	34.86	0.04	Average	223	116																																																																																			
6	4874.00	46.29	74.00	-27.71	46.25	0.04	Peak	223	116																																																																																			
7	7311.00	37.66	54.00	-16.34	32.17	5.49	Average	100	176																																																																																			
8	7311.00	51.30	74.00	-22.70	45.81	5.49	Peak	100	176																																																																																			
<p>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).</p>																																																																																												

Modulation	11g	Test Freq. (MHz)	2462						
Polarization	Horizontal								
Test By	:Roger Lu	Temperature(°C):22	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	52.87	54.00	-1.13	56.90	-4.03	Average	163	176
2	2483.50	67.67	74.00	-6.33	71.70	-4.03	Peak	163	176
3	4924.00	42.64	54.00	-11.36	42.66	-0.02	Average	173	181
4	4924.00	49.21	74.00	-24.79	49.23	-0.02	Peak	173	181
5	7386.00	39.27	54.00	-14.73	33.84	5.43	Average	208	182
6	7386.00	53.56	74.00	-20.44	48.13	5.43	Peak	208	182

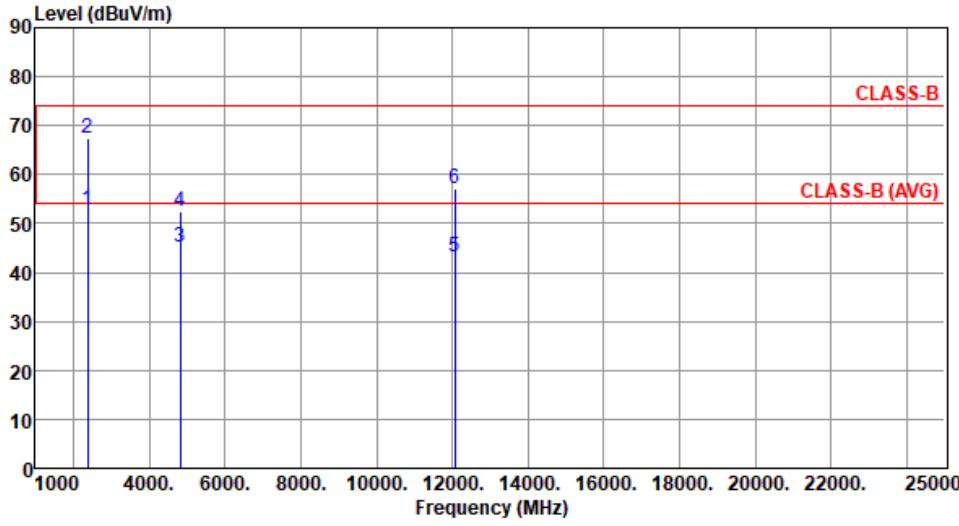
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

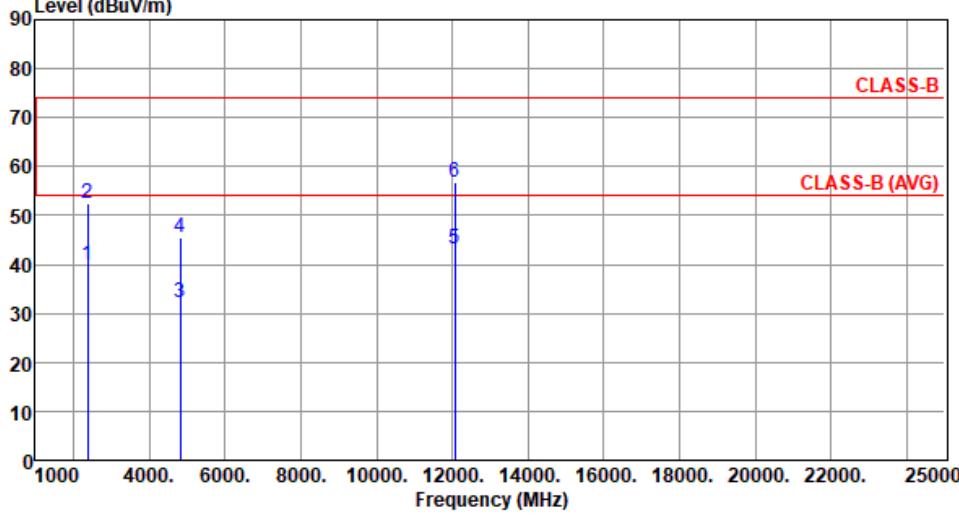
*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20	Test Freq. (MHz)	2412																																																																						
Polarization	Horizontal																																																																								
Test By	: Roger Lu	Temperature (°C)	: 22																																																																						
Humidity (%) : 64																																																																									
																																																																									
<table border="1"> <thead> <tr> <th></th> <th>Freq. MHz</th> <th>Emission level dBuV/m</th> <th>Limit dBuV/m</th> <th>Margin dB</th> <th>SA reading dBuV</th> <th>Factor dB/m</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2390.00</td> <td>52.86</td> <td>54.00</td> <td>-1.14</td> <td>56.63</td> <td>-3.77</td> <td>Average</td> <td>136</td> <td>181</td> </tr> <tr> <td>2</td> <td>2390.00</td> <td>67.25</td> <td>74.00</td> <td>-6.75</td> <td>71.02</td> <td>-3.77</td> <td>Peak</td> <td>136</td> <td>181</td> </tr> <tr> <td>3</td> <td>4824.00</td> <td>45.32</td> <td>54.00</td> <td>-8.68</td> <td>45.23</td> <td>0.09</td> <td>Average</td> <td>173</td> <td>182</td> </tr> <tr> <td>4</td> <td>4824.00</td> <td>52.42</td> <td>74.00</td> <td>-21.58</td> <td>52.33</td> <td>0.09</td> <td>Peak</td> <td>173</td> <td>182</td> </tr> <tr> <td>5</td> <td>12060.00</td> <td>43.08</td> <td>54.00</td> <td>-10.92</td> <td>35.42</td> <td>7.66</td> <td>Average</td> <td>100</td> <td>181</td> </tr> <tr> <td>6</td> <td>12060.00</td> <td>56.97</td> <td>74.00</td> <td>-17.03</td> <td>49.31</td> <td>7.66</td> <td>Peak</td> <td>100</td> <td>181</td> </tr> </tbody> </table>					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	56.63	-3.77	Average	136	181	2	2390.00	67.25	74.00	-6.75	71.02	-3.77	Peak	136	181	3	4824.00	45.32	54.00	-8.68	45.23	0.09	Average	173	182	4	4824.00	52.42	74.00	-21.58	52.33	0.09	Peak	173	182	5	12060.00	43.08	54.00	-10.92	35.42	7.66	Average	100	181	6	12060.00	56.97	74.00	-17.03	49.31	7.66	Peak	100	181
	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	56.63	-3.77	Average	136	181																																																																
2	2390.00	67.25	74.00	-6.75	71.02	-3.77	Peak	136	181																																																																
3	4824.00	45.32	54.00	-8.68	45.23	0.09	Average	173	182																																																																
4	4824.00	52.42	74.00	-21.58	52.33	0.09	Peak	173	182																																																																
5	12060.00	43.08	54.00	-10.92	35.42	7.66	Average	100	181																																																																
6	12060.00	56.97	74.00	-17.03	49.31	7.66	Peak	100	181																																																																
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	Test Freq. (MHz)	2412						
Polarization	Vertical								
Test By	:Roger Lu	Temperature(°C):22	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	39.99	54.00	-14.01	43.76	-3.77	Average	155	183
2	2390.00	52.36	74.00	-21.64	56.13	-3.77	Peak	155	183
3	4824.00	32.29	54.00	-21.71	32.20	0.09	Average	100	184
4	4824.00	45.35	74.00	-28.65	45.26	0.09	Peak	100	184
5	12060.00	43.17	54.00	-10.83	35.51	7.66	Average	100	201
6	12060.00	56.84	74.00	-17.16	49.18	7.66	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 HE20	Test Freq. (MHz)	2437																																																																																																
Polarization	Horizontal																																																																																																		
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																																																
<table> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dBuV/m</th> <th>dB</th> <th>reading</th> <th></th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2390.00</td> <td>50.32</td> <td>54.00</td> <td>-3.68</td> <td>54.09</td> <td>-3.77</td> <td>Average</td> <td>159</td> <td>181</td> </tr> <tr> <td>2</td> <td>2390.00</td> <td>62.74</td> <td>74.00</td> <td>-11.26</td> <td>66.51</td> <td>-3.77</td> <td>Peak</td> <td>159</td> <td>181</td> </tr> <tr> <td>3</td> <td>2483.50</td> <td>52.86</td> <td>54.00</td> <td>-1.14</td> <td>56.89</td> <td>-4.03</td> <td>Average</td> <td>159</td> <td>181</td> </tr> <tr> <td>4</td> <td>2483.50</td> <td>66.06</td> <td>74.00</td> <td>-7.94</td> <td>70.09</td> <td>-4.03</td> <td>Peak</td> <td>159</td> <td>181</td> </tr> <tr> <td>5</td> <td>4874.00</td> <td>46.90</td> <td>54.00</td> <td>-7.10</td> <td>46.86</td> <td>0.04</td> <td>Average</td> <td>173</td> <td>182</td> </tr> <tr> <td>6</td> <td>4874.00</td> <td>53.70</td> <td>74.00</td> <td>-20.30</td> <td>53.66</td> <td>0.04</td> <td>Peak</td> <td>173</td> <td>182</td> </tr> <tr> <td>7</td> <td>7311.00</td> <td>43.95</td> <td>54.00</td> <td>-10.05</td> <td>38.46</td> <td>5.49</td> <td>Average</td> <td>218</td> <td>181</td> </tr> <tr> <td>8</td> <td>7311.00</td> <td>57.62</td> <td>74.00</td> <td>-16.38</td> <td>52.13</td> <td>5.49</td> <td>Peak</td> <td>218</td> <td>181</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	dB	reading		High	Table	1	2390.00	50.32	54.00	-3.68	54.09	-3.77	Average	159	181	2	2390.00	62.74	74.00	-11.26	66.51	-3.77	Peak	159	181	3	2483.50	52.86	54.00	-1.14	56.89	-4.03	Average	159	181	4	2483.50	66.06	74.00	-7.94	70.09	-4.03	Peak	159	181	5	4874.00	46.90	54.00	-7.10	46.86	0.04	Average	173	182	6	4874.00	53.70	74.00	-20.30	53.66	0.04	Peak	173	182	7	7311.00	43.95	54.00	-10.05	38.46	5.49	Average	218	181	8	7311.00	57.62	74.00	-16.38	52.13	5.49	Peak	218	181
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																												
MHz	level	dBuV/m	dB	reading		High	Table																																																																																												
1	2390.00	50.32	54.00	-3.68	54.09	-3.77	Average	159	181																																																																																										
2	2390.00	62.74	74.00	-11.26	66.51	-3.77	Peak	159	181																																																																																										
3	2483.50	52.86	54.00	-1.14	56.89	-4.03	Average	159	181																																																																																										
4	2483.50	66.06	74.00	-7.94	70.09	-4.03	Peak	159	181																																																																																										
5	4874.00	46.90	54.00	-7.10	46.86	0.04	Average	173	182																																																																																										
6	4874.00	53.70	74.00	-20.30	53.66	0.04	Peak	173	182																																																																																										
7	7311.00	43.95	54.00	-10.05	38.46	5.49	Average	218	181																																																																																										
8	7311.00	57.62	74.00	-16.38	52.13	5.49	Peak	218	181																																																																																										
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																																																			

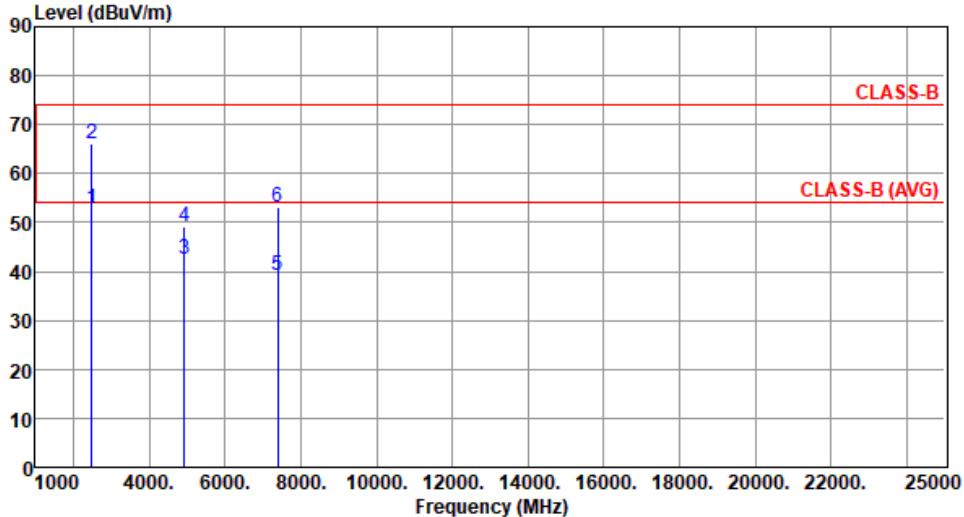


Modulation	ax HE20	Test Freq. (MHz)	2437					
Polarization	Vertical							
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64					
	Freq. level MHz	Emission Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	38.36	54.00	-15.64	42.13	-3.77	Average	156 189
2	2390.00	48.66	74.00	-25.34	52.43	-3.77	Peak	156 189
3	2483.50	39.08	54.00	-14.92	43.11	-4.03	Average	156 189
4	2483.50	52.44	74.00	-21.56	56.47	-4.03	Peak	156 189
5	4874.00	34.63	54.00	-19.37	34.59	0.04	Average	227 129
6	4874.00	46.27	74.00	-27.73	46.23	0.04	Peak	227 129
7	7311.00	37.74	54.00	-16.26	32.25	5.49	Average	100 182
8	7311.00	51.26	74.00	-22.74	45.77	5.49	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	ax HE20	Test Freq. (MHz)	2462																																																																												
Polarization	Horizontal																																																																														
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																												
																																																																															
<table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>level</th> <th>reading</th> <th>reading</th> <th></th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2483.50</td> <td>52.84</td> <td>54.00</td> <td>-1.16</td> <td>56.87</td> <td>-4.03</td> <td>Average</td> <td>145</td> <td>181</td> </tr> <tr> <td>2</td> <td>2483.50</td> <td>66.18</td> <td>74.00</td> <td>-7.82</td> <td>70.21</td> <td>-4.03</td> <td>Peak</td> <td>145</td> <td>181</td> </tr> <tr> <td>3</td> <td>4924.00</td> <td>42.36</td> <td>54.00</td> <td>-11.64</td> <td>42.38</td> <td>-0.02</td> <td>Average</td> <td>176</td> <td>183</td> </tr> <tr> <td>4</td> <td>4924.00</td> <td>49.16</td> <td>74.00</td> <td>-24.84</td> <td>49.18</td> <td>-0.02</td> <td>Peak</td> <td>176</td> <td>183</td> </tr> <tr> <td>5</td> <td>7386.00</td> <td>39.11</td> <td>54.00</td> <td>-14.89</td> <td>33.68</td> <td>5.43</td> <td>Average</td> <td>213</td> <td>183</td> </tr> <tr> <td>6</td> <td>7386.00</td> <td>53.27</td> <td>74.00</td> <td>-20.73</td> <td>47.84</td> <td>5.43</td> <td>Peak</td> <td>213</td> <td>183</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	level	reading	reading		High	Table	1	2483.50	52.84	54.00	-1.16	56.87	-4.03	Average	145	181	2	2483.50	66.18	74.00	-7.82	70.21	-4.03	Peak	145	181	3	4924.00	42.36	54.00	-11.64	42.38	-0.02	Average	176	183	4	4924.00	49.16	74.00	-24.84	49.18	-0.02	Peak	176	183	5	7386.00	39.11	54.00	-14.89	33.68	5.43	Average	213	183	6	7386.00	53.27	74.00	-20.73	47.84	5.43	Peak	213	183
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																								
MHz	level	level	reading	reading		High	Table																																																																								
1	2483.50	52.84	54.00	-1.16	56.87	-4.03	Average	145	181																																																																						
2	2483.50	66.18	74.00	-7.82	70.21	-4.03	Peak	145	181																																																																						
3	4924.00	42.36	54.00	-11.64	42.38	-0.02	Average	176	183																																																																						
4	4924.00	49.16	74.00	-24.84	49.18	-0.02	Peak	176	183																																																																						
5	7386.00	39.11	54.00	-14.89	33.68	5.43	Average	213	183																																																																						
6	7386.00	53.27	74.00	-20.73	47.84	5.43	Peak	213	183																																																																						
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	Test Freq. (MHz)	2462						
Polarization	Vertical								
Test By	:Roger Lu	Temperature(°C):22	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	42.10	54.00	-11.90	46.13	-4.03	Average	162	188
2	2483.50	53.64	74.00	-20.36	57.67	-4.03	Peak	162	188
3	4924.00	31.28	54.00	-22.72	31.30	-0.02	Average	100	168
4	4924.00	45.29	74.00	-28.71	45.31	-0.02	Peak	100	168
5	7386.00	36.77	54.00	-17.23	31.34	5.43	Average	100	176
6	7386.00	51.02	74.00	-22.98	45.59	5.43	Peak	100	176

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor, cable loss and amplifier gain

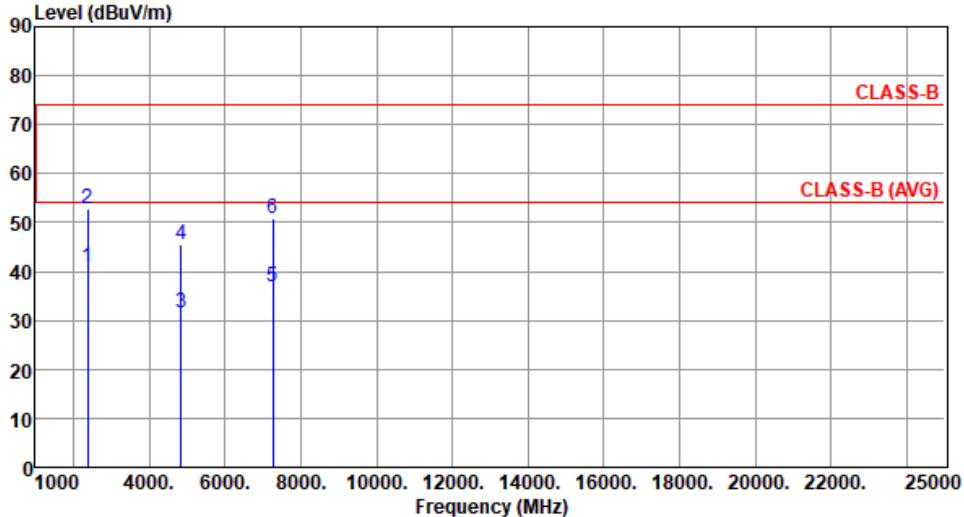
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	2422						
Polarization	Horizontal								
Test By	:Roger Lu	Temperature (°C)	:22						
		Humidity (%)	:64						
Level (dBuV/m)									
90									
80									
70			CLASS-B						
60									
50			CLASS-B (AVG)						
40									
30									
20									
10									
0									
1000	2								
4000	1								
6000	4								
7266	3								
7266	5								
8000	6								
10000									
12000									
14000									
16000									
18000									
20000									
22000									
25000									
Frequency (MHz)									
Freq.	Emission Limit	Margin	SA Factor	Remark	ANT	Turn			
MHz	level	reading	reading		High	Table			
	dBuV/m	dBuV/m	dB	dBuV	dB/m				
1	2390.00	52.98	54.00	-1.02	56.75	-3.77	Average	166	182
2	2390.00	65.34	74.00	-8.66	69.11	-3.77	Peak	166	182
3	4844.00	34.89	54.00	-19.11	34.76	0.13	Average	172	182
4	4844.00	48.99	74.00	-25.01	48.86	0.13	Peak	172	182
5	7266.00	38.85	54.00	-15.15	33.25	5.60	Average	100	184
6	7266.00	53.20	74.00	-20.80	47.60	5.60	Peak	100	184

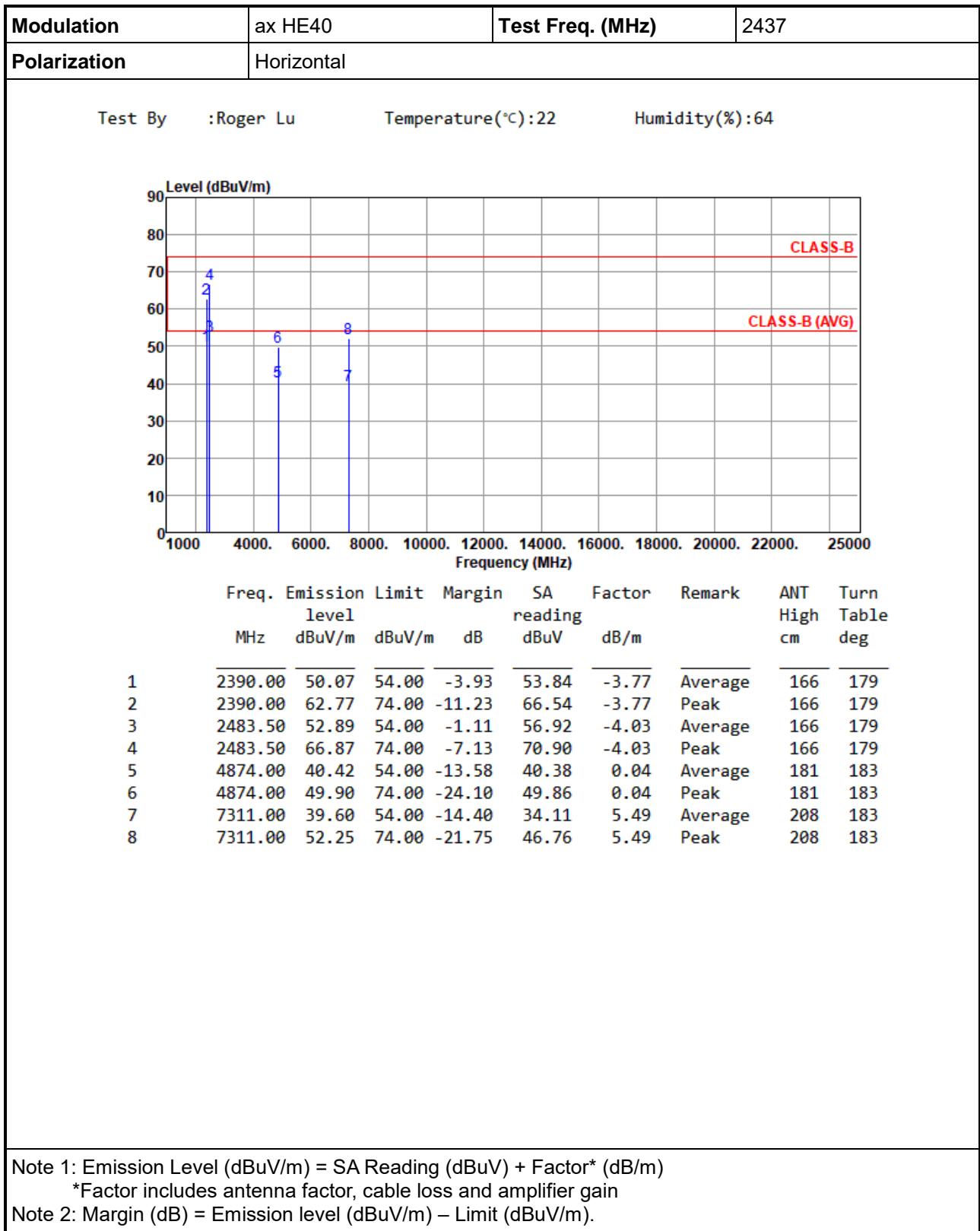
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40	Test Freq. (MHz)	2422						
Polarization	Vertical								
Test By	:Roger Lu	Temperature(°C):22	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	40.74	54.00	-13.26	44.51	-3.77	Average	154	183
2	2390.00	52.70	74.00	-21.30	56.47	-3.77	Peak	154	183
3	4844.00	31.39	54.00	-22.61	31.26	0.13	Average	100	182
4	4844.00	45.39	74.00	-28.61	45.26	0.13	Peak	100	182
5	7266.00	36.92	54.00	-17.08	31.32	5.60	Average	100	175
6	7266.00	50.87	74.00	-23.13	45.27	5.60	Peak	100	175

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor, cable loss and amplifier gain

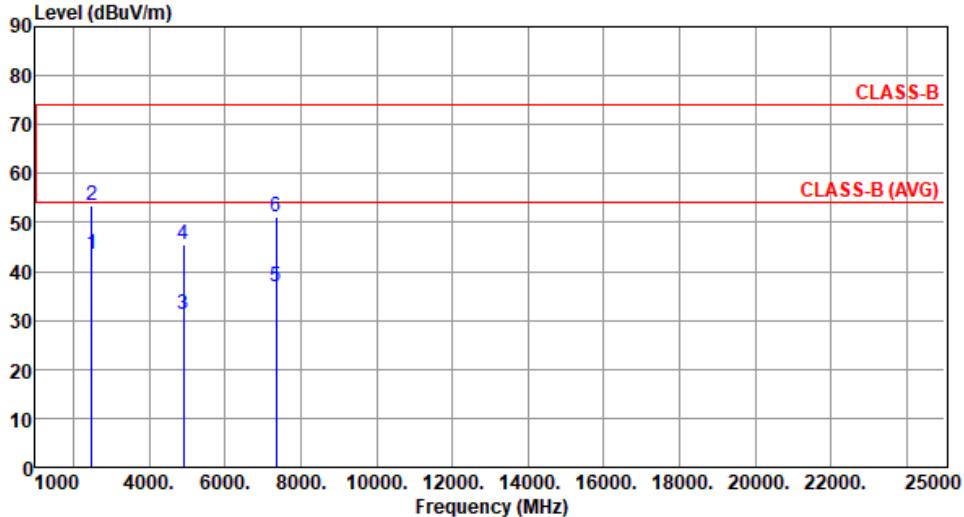
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

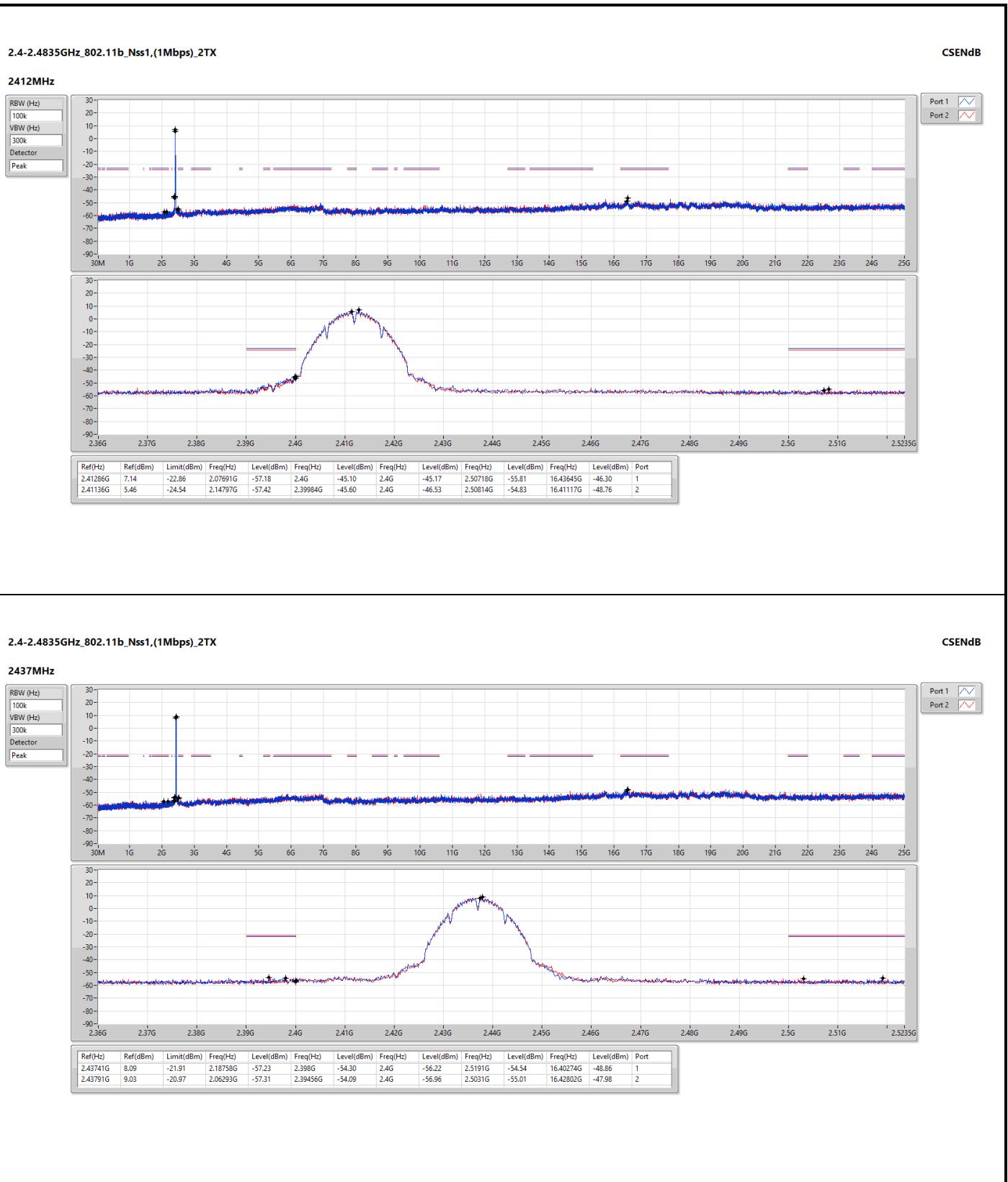


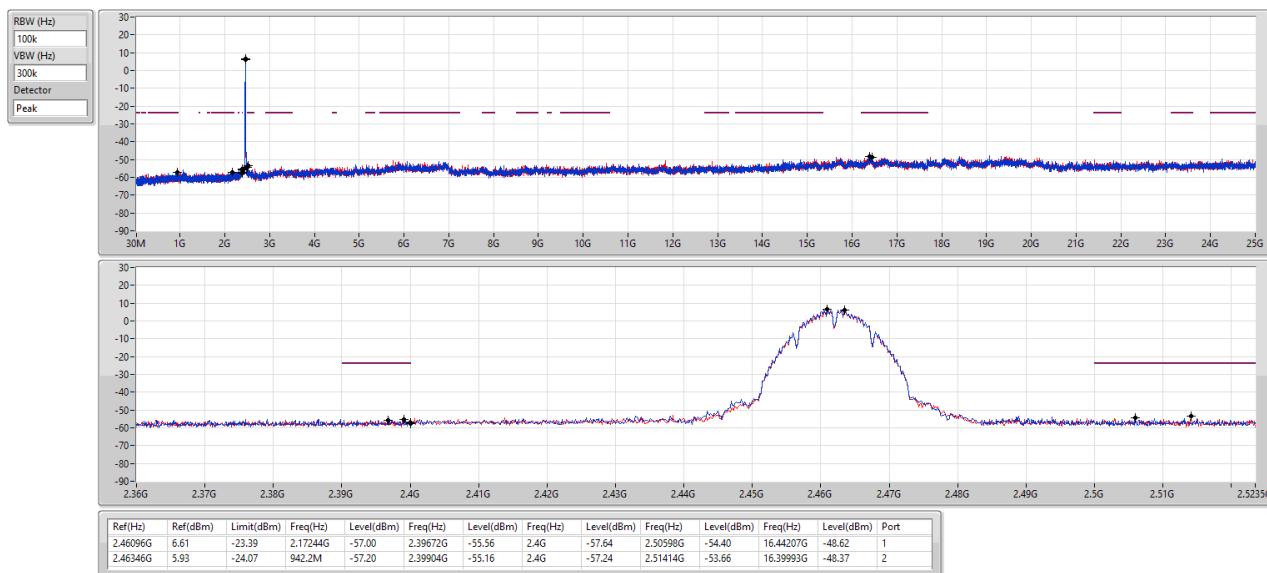
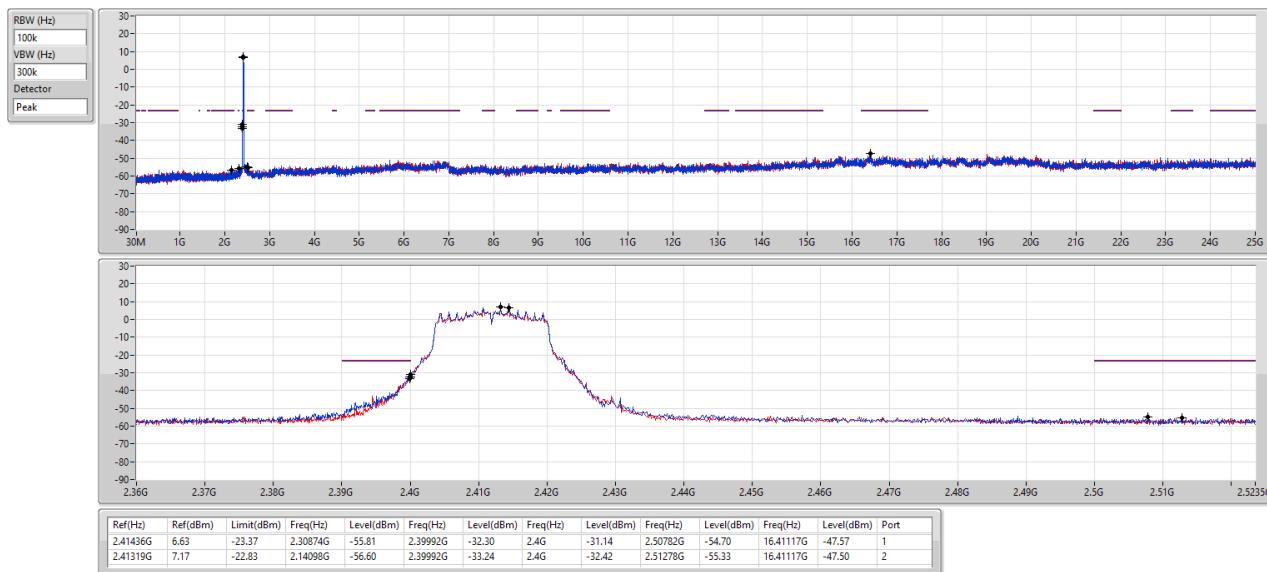


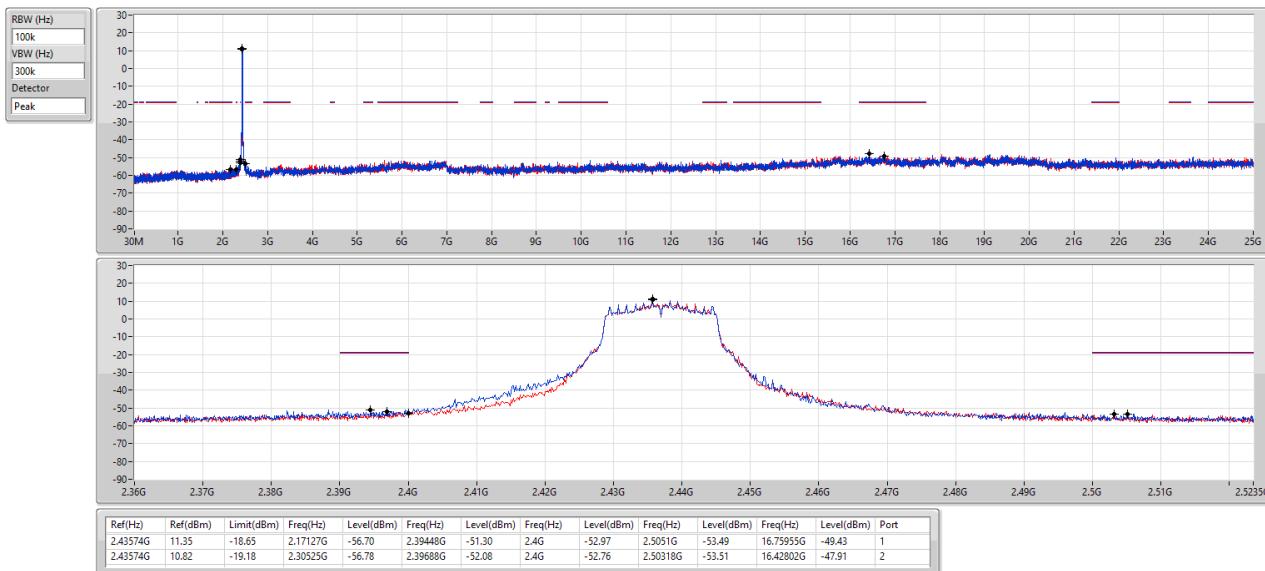
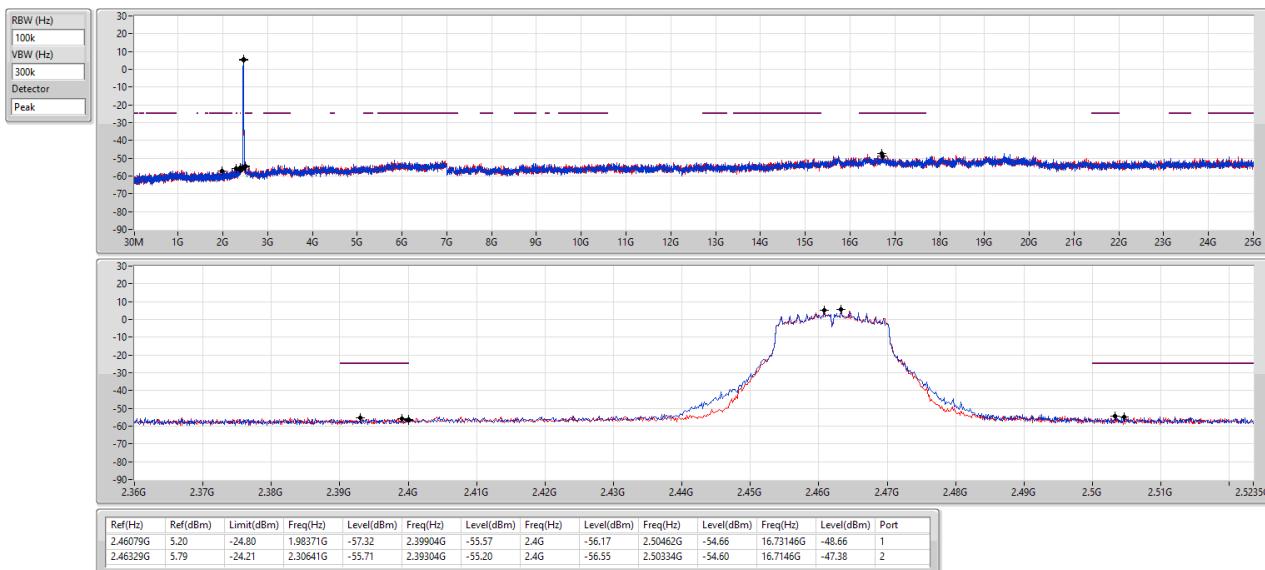
Modulation	ax HE40	Test Freq. (MHz)	2437																																																																																	
Polarization	Vertical																																																																																			
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																																	
<table border="1"> <thead> <tr> <th>Freq. (MHz)</th> <th>Emission level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>SA reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Remark</th> <th>ANT High (cm)</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr><td>1</td><td>2390.00</td><td>38.79</td><td>54.00</td><td>-15.21</td><td>42.56</td><td>-3.77</td><td>Average</td><td>146</td></tr> <tr><td>2</td><td>2390.00</td><td>48.39</td><td>74.00</td><td>-25.61</td><td>52.16</td><td>-3.77</td><td>Peak</td><td>146</td></tr> <tr><td>3</td><td>2483.50</td><td>39.31</td><td>54.00</td><td>-14.69</td><td>43.34</td><td>-4.03</td><td>Average</td><td>146</td></tr> <tr><td>4</td><td>2483.50</td><td>52.81</td><td>74.00</td><td>-21.19</td><td>56.84</td><td>-4.03</td><td>Peak</td><td>146</td></tr> <tr><td>5</td><td>4874.00</td><td>31.20</td><td>54.00</td><td>-22.80</td><td>31.16</td><td>0.04</td><td>Average</td><td>100</td></tr> <tr><td>6</td><td>4874.00</td><td>45.37</td><td>74.00</td><td>-28.63</td><td>45.33</td><td>0.04</td><td>Peak</td><td>100</td></tr> <tr><td>7</td><td>7311.00</td><td>36.76</td><td>54.00</td><td>-17.24</td><td>31.27</td><td>5.49</td><td>Average</td><td>100</td></tr> <tr><td>8</td><td>7311.00</td><td>51.00</td><td>74.00</td><td>-23.00</td><td>45.51</td><td>5.49</td><td>Peak</td><td>100</td></tr> </tbody> </table>				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	38.79	54.00	-15.21	42.56	-3.77	Average	146	2	2390.00	48.39	74.00	-25.61	52.16	-3.77	Peak	146	3	2483.50	39.31	54.00	-14.69	43.34	-4.03	Average	146	4	2483.50	52.81	74.00	-21.19	56.84	-4.03	Peak	146	5	4874.00	31.20	54.00	-22.80	31.16	0.04	Average	100	6	4874.00	45.37	74.00	-28.63	45.33	0.04	Peak	100	7	7311.00	36.76	54.00	-17.24	31.27	5.49	Average	100	8	7311.00	51.00	74.00	-23.00	45.51	5.49	Peak	100
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	38.79	54.00	-15.21	42.56	-3.77	Average	146																																																																												
2	2390.00	48.39	74.00	-25.61	52.16	-3.77	Peak	146																																																																												
3	2483.50	39.31	54.00	-14.69	43.34	-4.03	Average	146																																																																												
4	2483.50	52.81	74.00	-21.19	56.84	-4.03	Peak	146																																																																												
5	4874.00	31.20	54.00	-22.80	31.16	0.04	Average	100																																																																												
6	4874.00	45.37	74.00	-28.63	45.33	0.04	Peak	100																																																																												
7	7311.00	36.76	54.00	-17.24	31.27	5.49	Average	100																																																																												
8	7311.00	51.00	74.00	-23.00	45.51	5.49	Peak	100																																																																												
<p>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).</p>																																																																																				

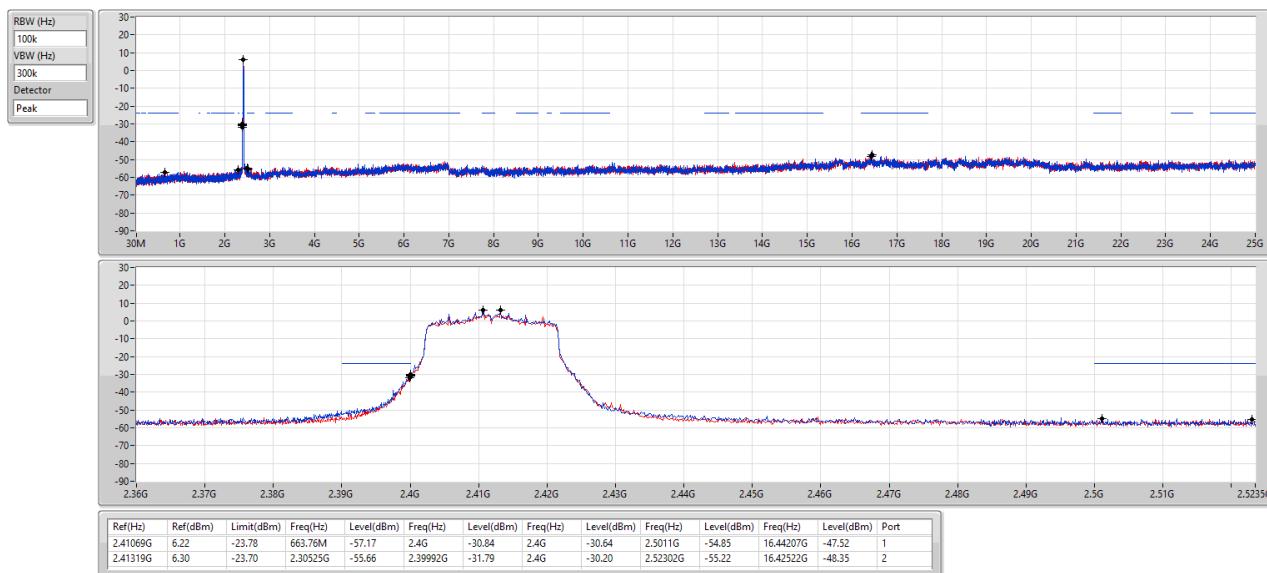
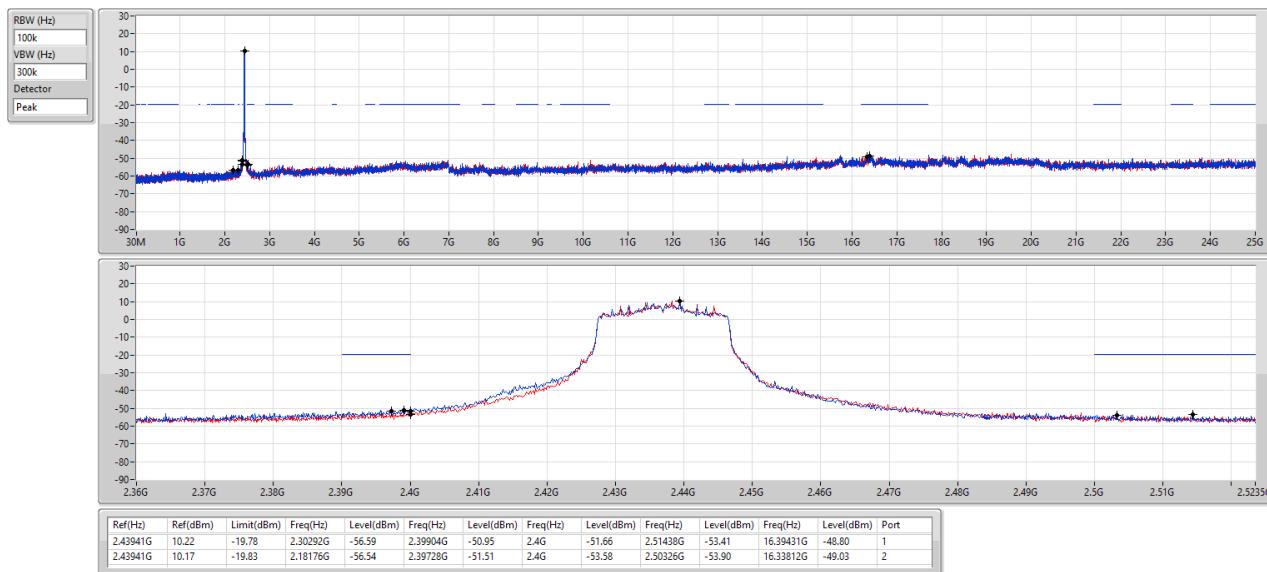
Modulation	ax HE40	Test Freq. (MHz)	2452																																																																										
Polarization	Horizontal																																																																												
Test By	Roger Lu	Temperature(°C):22	Humidity(%):64																																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Freq.</th> <th style="text-align: left;">Emission Limit</th> <th style="text-align: left;">Margin</th> <th style="text-align: left;">SA Factor</th> <th style="text-align: left;">Remark</th> <th style="text-align: left;">ANT High</th> <th style="text-align: left;">Turn Table</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dB</th> <th>reading</th> <th></th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2483.50</td> <td>52.92</td> <td>54.00</td> <td>-1.08</td> <td>56.95</td> <td>-4.03</td> <td>Average</td> <td>163</td> <td>181</td> </tr> <tr> <td>2</td> <td>2483.50</td> <td>64.76</td> <td>74.00</td> <td>-9.24</td> <td>68.79</td> <td>-4.03</td> <td>Peak</td> <td>163</td> <td>181</td> </tr> <tr> <td>3</td> <td>4904.00</td> <td>37.80</td> <td>54.00</td> <td>-16.20</td> <td>37.85</td> <td>-0.05</td> <td>Average</td> <td>182</td> <td>181</td> </tr> <tr> <td>4</td> <td>4904.00</td> <td>47.80</td> <td>74.00</td> <td>-26.20</td> <td>47.85</td> <td>-0.05</td> <td>Peak</td> <td>182</td> <td>181</td> </tr> <tr> <td>5</td> <td>7356.00</td> <td>36.68</td> <td>54.00</td> <td>-17.32</td> <td>31.23</td> <td>5.45</td> <td>Average</td> <td>100</td> <td>180</td> </tr> <tr> <td>6</td> <td>7356.00</td> <td>50.83</td> <td>74.00</td> <td>-23.17</td> <td>45.38</td> <td>5.45</td> <td>Peak</td> <td>100</td> <td>180</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA Factor	Remark	ANT High	Turn Table	MHz	level	dB	reading		cm	deg	1	2483.50	52.92	54.00	-1.08	56.95	-4.03	Average	163	181	2	2483.50	64.76	74.00	-9.24	68.79	-4.03	Peak	163	181	3	4904.00	37.80	54.00	-16.20	37.85	-0.05	Average	182	181	4	4904.00	47.80	74.00	-26.20	47.85	-0.05	Peak	182	181	5	7356.00	36.68	54.00	-17.32	31.23	5.45	Average	100	180	6	7356.00	50.83	74.00	-23.17	45.38	5.45	Peak	100	180
Freq.	Emission Limit	Margin	SA Factor	Remark	ANT High	Turn Table																																																																							
MHz	level	dB	reading		cm	deg																																																																							
1	2483.50	52.92	54.00	-1.08	56.95	-4.03	Average	163	181																																																																				
2	2483.50	64.76	74.00	-9.24	68.79	-4.03	Peak	163	181																																																																				
3	4904.00	37.80	54.00	-16.20	37.85	-0.05	Average	182	181																																																																				
4	4904.00	47.80	74.00	-26.20	47.85	-0.05	Peak	182	181																																																																				
5	7356.00	36.68	54.00	-17.32	31.23	5.45	Average	100	180																																																																				
6	7356.00	50.83	74.00	-23.17	45.38	5.45	Peak	100	180																																																																				
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)</p> <p>*Factor includes antenna factor, cable loss and amplifier gain</p> <p>Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>																																																																													

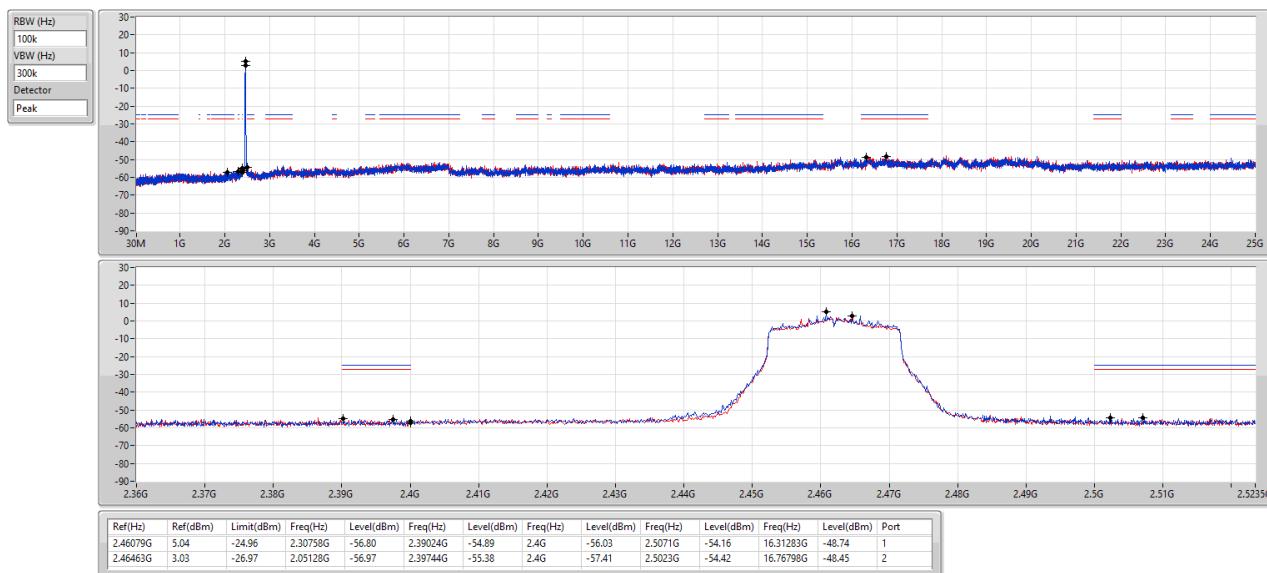
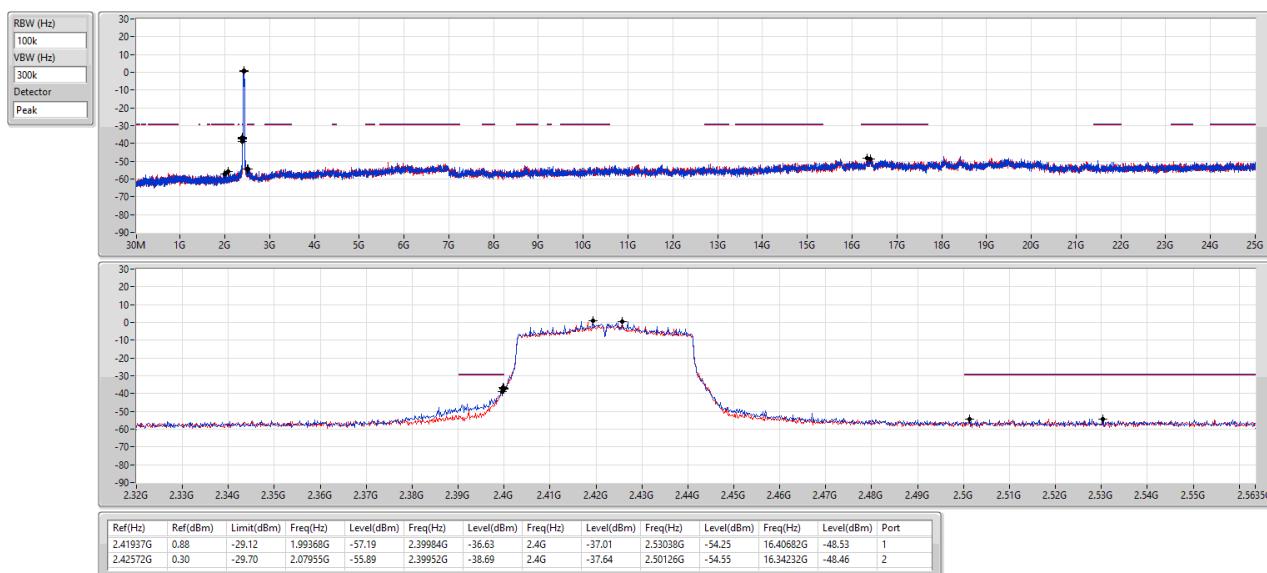
Modulation	ax HE40	Test Freq. (MHz)	2452																																																																												
Polarization	Vertical																																																																														
Test By	:Roger Lu	Temperature(°C):22	Humidity(%):64																																																																												
																																																																															
<table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission Limit</th> <th>Margin</th> <th>SA</th> <th>Factor</th> <th>Remark</th> <th>ANT</th> <th>Turn</th> </tr> <tr> <th>MHz</th> <th>level</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>Factor</th> <th>High</th> <th>Table</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2483.50</td> <td>43.55</td> <td>54.00</td> <td>-10.45</td> <td>47.58</td> <td>-4.03</td> <td>Average</td> <td>166</td> <td>183</td> </tr> <tr> <td>2</td> <td>2483.50</td> <td>53.43</td> <td>74.00</td> <td>-20.57</td> <td>57.46</td> <td>-4.03</td> <td>Peak</td> <td>166</td> <td>183</td> </tr> <tr> <td>3</td> <td>4904.00</td> <td>31.16</td> <td>54.00</td> <td>-22.84</td> <td>31.21</td> <td>-0.05</td> <td>Average</td> <td>100</td> <td>155</td> </tr> <tr> <td>4</td> <td>4904.00</td> <td>45.55</td> <td>74.00</td> <td>-28.45</td> <td>45.60</td> <td>-0.05</td> <td>Peak</td> <td>100</td> <td>155</td> </tr> <tr> <td>5</td> <td>7356.00</td> <td>36.74</td> <td>54.00</td> <td>-17.26</td> <td>31.29</td> <td>5.45</td> <td>Average</td> <td>100</td> <td>208</td> </tr> <tr> <td>6</td> <td>7356.00</td> <td>51.02</td> <td>74.00</td> <td>-22.98</td> <td>45.57</td> <td>5.45</td> <td>Peak</td> <td>100</td> <td>208</td> </tr> </tbody> </table>				Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	dB	dBuV	Factor	High	Table	1	2483.50	43.55	54.00	-10.45	47.58	-4.03	Average	166	183	2	2483.50	53.43	74.00	-20.57	57.46	-4.03	Peak	166	183	3	4904.00	31.16	54.00	-22.84	31.21	-0.05	Average	100	155	4	4904.00	45.55	74.00	-28.45	45.60	-0.05	Peak	100	155	5	7356.00	36.74	54.00	-17.26	31.29	5.45	Average	100	208	6	7356.00	51.02	74.00	-22.98	45.57	5.45	Peak	100	208
Freq.	Emission Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																								
MHz	level	dBuV/m	dB	dBuV	Factor	High	Table																																																																								
1	2483.50	43.55	54.00	-10.45	47.58	-4.03	Average	166	183																																																																						
2	2483.50	53.43	74.00	-20.57	57.46	-4.03	Peak	166	183																																																																						
3	4904.00	31.16	54.00	-22.84	31.21	-0.05	Average	100	155																																																																						
4	4904.00	45.55	74.00	-28.45	45.60	-0.05	Peak	100	155																																																																						
5	7356.00	36.74	54.00	-17.26	31.29	5.45	Average	100	208																																																																						
6	7356.00	51.02	74.00	-22.98	45.57	5.45	Peak	100	208																																																																						
<p>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).</p>																																																																															

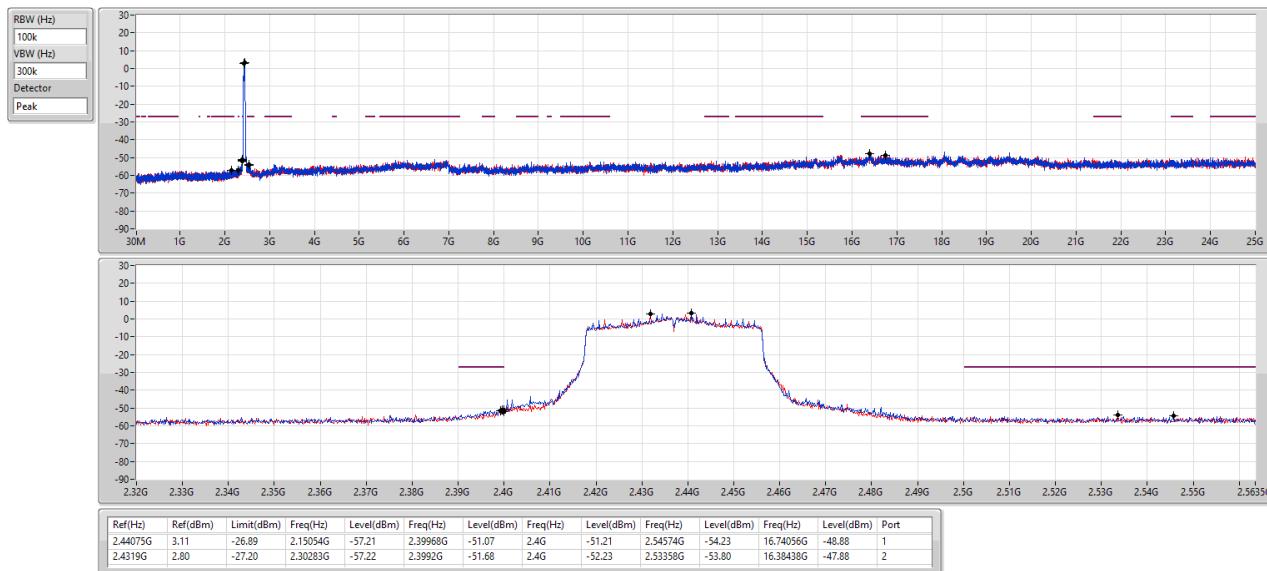
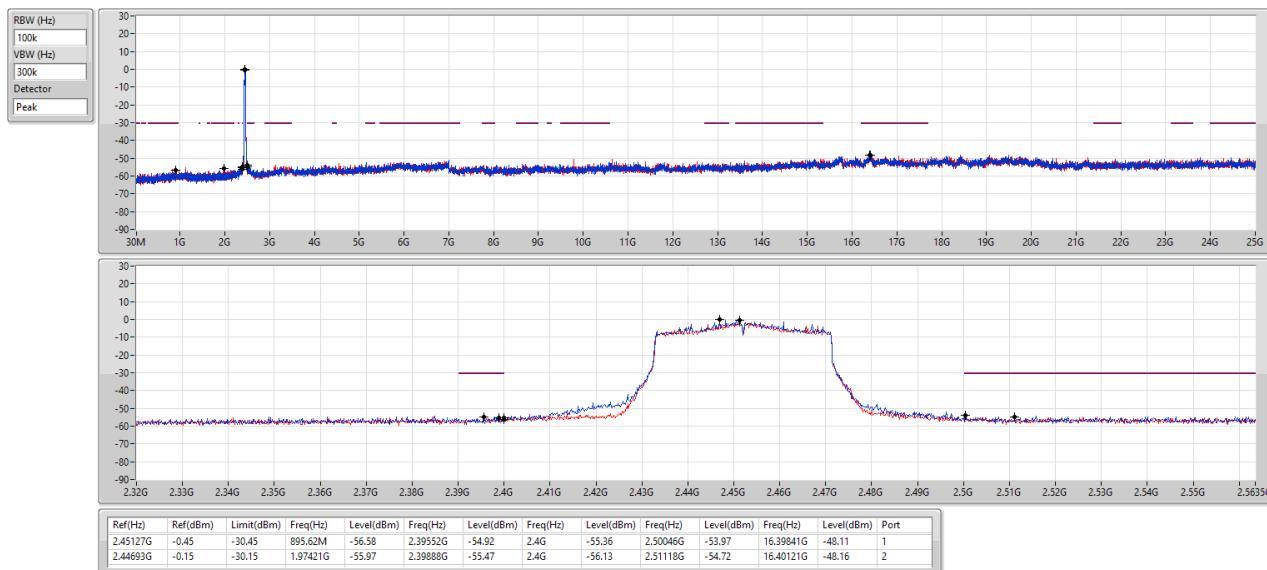


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
CSEnDb
2462MHz

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
CSEnDb
2412MHz


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
CSEndb
2437MHz

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
CSEndb
2462MHz


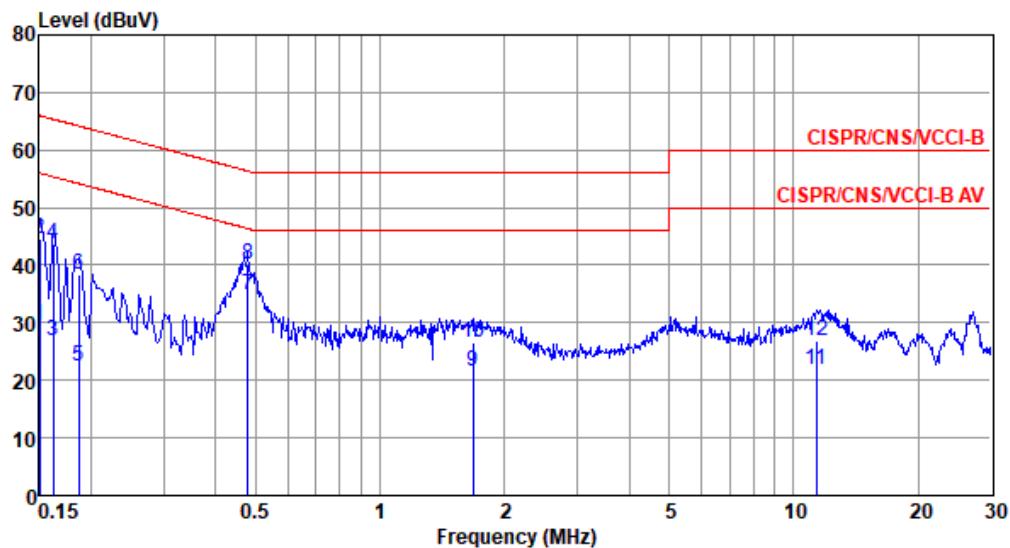
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
CSEndb
2412MHz

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
CSEndb
2437MHz


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
CSEnDb
2462MHz

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
CSEnDb
2422MHz


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
CSEndb
2437MHz

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
CSEndb
2452MHz


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

Test by : Brad Wu Temperature: 22°C Humidity: 63%



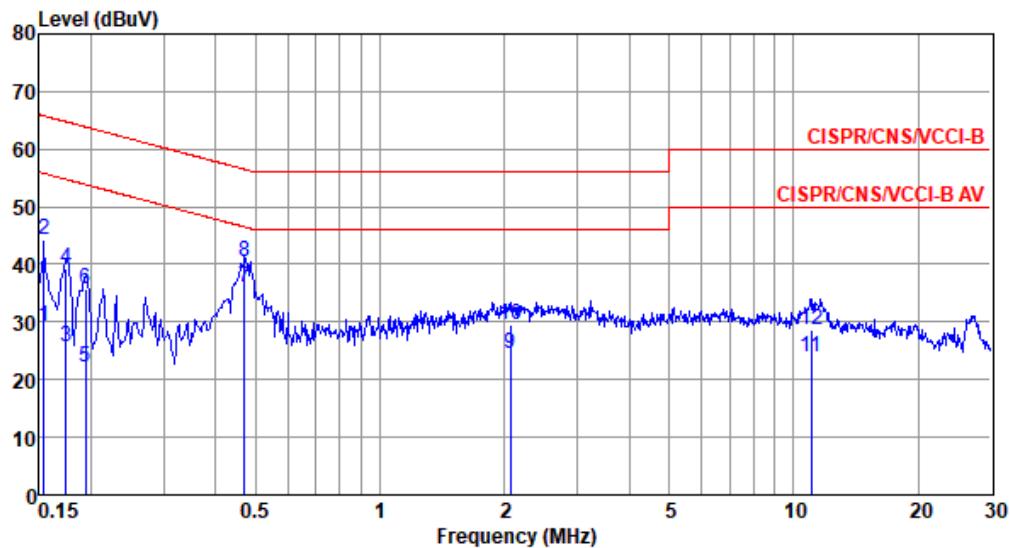
Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor	Cable loss dB	Aux dB	Remark
								Remark
1	0.150	29.41	56.00	-26.59	19.47	9.65	0.08	0.21 Average
2	0.150	44.55	66.00	-21.45	34.61	9.65	0.08	0.21 QP
3	0.162	26.97	55.34	-28.37	17.02	9.65	0.08	0.22 Average
4	0.162	43.57	65.34	-21.77	33.62	9.65	0.08	0.22 QP
5	0.186	22.42	54.20	-31.78	12.44	9.65	0.08	0.25 Average
6	0.186	38.48	64.20	-25.72	28.50	9.65	0.08	0.25 QP
7*	0.479	34.91	46.36	-11.45	24.84	9.64	0.09	0.34 Average
8	0.479	40.05	56.36	-16.31	29.98	9.64	0.09	0.34 QP
9	1.680	21.45	46.00	-24.55	11.22	9.66	0.15	0.42 Average
10	1.680	26.56	56.00	-29.44	16.33	9.66	0.15	0.42 QP
11	11.377	21.97	50.00	-28.03	11.42	9.70	0.34	0.51 Average
12	11.377	26.93	60.00	-33.07	16.38	9.70	0.34	0.51 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 : Brad Wu Temperature: 22°C Humidity: 63%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor	Cable loss dB	Aux dB	Remark
1	0.154	29.19	55.78	-26.59	19.30	9.66	0.08	0.15	Average
2	0.154	44.21	65.78	-21.57	34.32	9.66	0.08	0.15	QP
3	0.174	25.66	54.77	-29.11	15.76	9.65	0.08	0.17	Average
4	0.174	39.37	64.77	-25.40	29.47	9.65	0.08	0.17	QP
5	0.194	22.09	53.84	-31.75	12.17	9.65	0.08	0.19	Average
6	0.194	35.79	63.84	-28.05	25.87	9.65	0.08	0.19	QP
7*	0.471	35.91	46.49	-10.58	25.90	9.64	0.09	0.28	Average
8	0.471	40.42	56.49	-16.07	30.41	9.64	0.09	0.28	QP
9	2.066	24.57	46.00	-21.43	14.32	9.66	0.17	0.42	Average
10	2.066	29.42	56.00	-26.58	19.17	9.66	0.17	0.42	QP
11	11.021	23.91	50.00	-26.09	13.28	9.75	0.33	0.55	Average
12	11.021	28.76	60.00	-31.24	18.13	9.75	0.33	0.55	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).