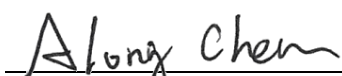


FCC Test Report

FCC ID : P27RP052M
Equipment : WiFi EasyMesh Router ;
QW8200-840/IQ Router
Model No. : RP052M
Brand Name : Sercomm ; 
Applicant : Sercomm Corporation
Address : 8F, No. 3-1, YuanQu St., NanKang, Taipei 115,
Taiwan, R.O.C.
Standard : 47 CFR FCC Part 15.247
Received Date : Sep. 26, 2019
Tested Date : Oct. 01 ~ Oct. 09, 2019

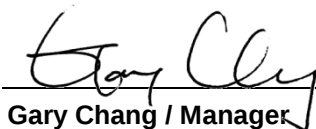
We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval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

Reviewed by:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR992602AC	Rev. 01	Initial issue	Oct. 21, 2019

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.491MHz 36.97 (Margin -9.17dB) - AV	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 2390.00MHz 52.99 (Margin -1.01dB) - AV	Pass
15.247(b)(3)	Maximum Output Power	Max Power [dBm]: 24.03	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
2400-2483.5	b	2412-2462	1-11 [11]	2	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	2	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15

Note 1: RF output power specifies that Maximum Conducted (Average) Output Power.
 Note 2: 802.11b uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
 Note 3: 802.11g/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
				2400~2483.5	5150~5250	5725~5850
1	2G-1	Dipole	I-pex	3.8	--	--
2	2G-1	Dipole	I-pex	2.5	--	--
3	5G-1	Dipole	I-pex	--	2.9	1.5
4	5G-2	Dipole	I-pex	--	1.6	1.6

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter
-------------------	--------------------

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: APD Model: WB-12G12FU Power Rating: I/P: 100-240Vac, 50-60Hz, 0.3A Max O/P: 12Vdc, 1A Power Line: 1.45m non-shielded without core
2	RJ45 cable	1.45m non-shielded without core

1.1.5 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20		802.11n HT40	
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	MT7615 QA, V0.0.2.0		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11b	100.00%	0.00
	11g	98.61%	0.06
	HT20	99.01%	0.04
	HT40	96.69%	0.15

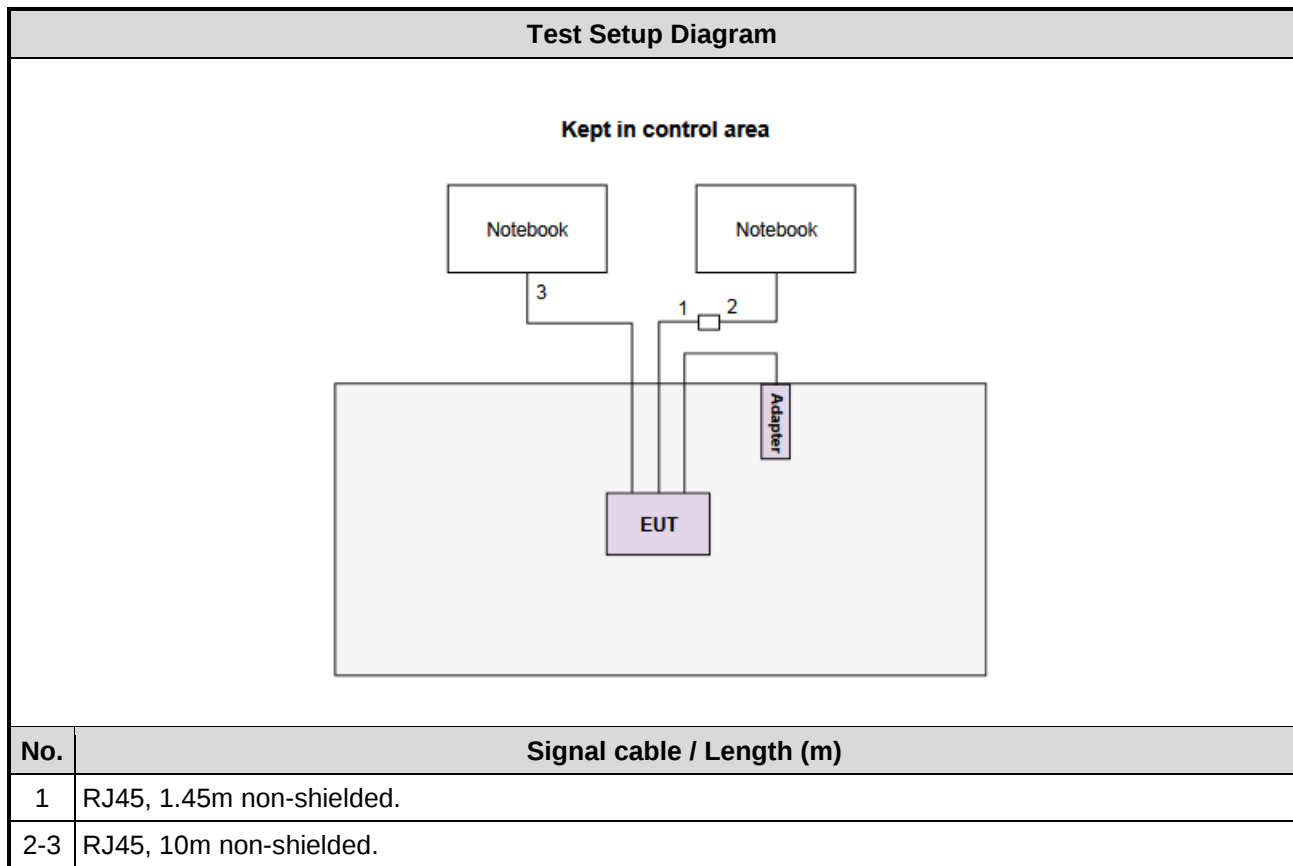
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11b	2412	20
11b	2437	20
11b	2462	1F
11g	2412	1A
11g	2437	26
11g	2462	1B
HT20	2412	19
HT20	2437	28
HT20	2462	1A
HT40	2422	13
HT40	2437	1B
HT40	2452	15

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude E5430	DoC	---
2	Notebook	DELL	Latitude E5430	DoC	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Oct. 09, 2019				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Jan. 08, 2019	Jan. 07, 2020
LISN	R&S	ENV216	101579	Mar. 08, 2019	Mar. 07, 2020
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 23, 2018	Oct. 22, 2019
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 chamber 3 / (03CH03-WS)				
Tested Date	Oct. 01 ~ Oct. 02, 2019				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101499	Jan. 07, 2019	Jan. 06, 2020
Receiver	R&S	ESR3	101658	Dec. 11, 2018	Dec. 10, 2019
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 17, 2019	Apr. 16, 2020
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Jan. 07, 2019	Jan. 06, 2020
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2018	Nov. 14, 2019
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 09, 2018	Nov. 08, 2019
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 08, 2018	Oct. 07, 2019
Preamplifier	EMC	EMC02325	980187	Aug. 14, 2019	Aug. 13, 2020
Preamplifier	Agilent	83017A	MY53270014	Aug. 07, 2019	Aug. 06, 2020
Preamplifier	EMC	EMC184045B	980192	Aug. 01, 2019	Jul. 31, 2020
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 27, 2019	Sep. 26, 2020
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 27, 2019	Sep. 26, 2020
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Sep. 27, 2019	Sep. 26, 2020
LF cable-0.8M	EMC	EMC8D-NM-NM-8000	EMC8D-NM-NM-800-001	Sep. 27, 2019	Sep. 26, 2020
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 27, 2019	Sep. 26, 2020
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 27, 2019	Sep. 26, 2020
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	Oct. 07, 2019				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Apr. 17, 2019	Apr. 16, 2020
Power Meter	Anritsu	ML2495A	1241002	Oct. 09, 2018	Oct. 08, 2019
Power Sensor	Anritsu	MA2411B	1207366	Oct. 09, 2018	Oct. 08, 2019
AC POWER SOURCE	APC	AFC-500W	F312060012	Nov. 29, 2018	Nov. 28, 2019
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247

ANSI C63.10-2013

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

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

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
Radiated emission ≤ 1GHz	±3.96 dB
Radiated emission > 1GHz	±4.51 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	23°C / 59%	Alex Tsai
Radiated Emissions	03CH03-WS	24-25°C / 61-65%	Akun Chung Roger Lu
RF Conducted	TH01-WS	22°C / 64%	Brad Wu

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

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Emissions	11g	2437	6 Mbps	---
Radiated Emissions ≤1GHz	11g	2437	6 Mbps	---
Radiated Emissions >1GHz	11b	2412 / 2437 / 2462	1 Mbps	---
Maximum Output Power	11g	2412 / 2437 / 2462	6 Mbps	
6dB bandwidth	HT20	2412 / 2437 / 2462	MCS 0	
Power spectral density	HT40	2422 / 2437 / 2452	MCS 0	

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

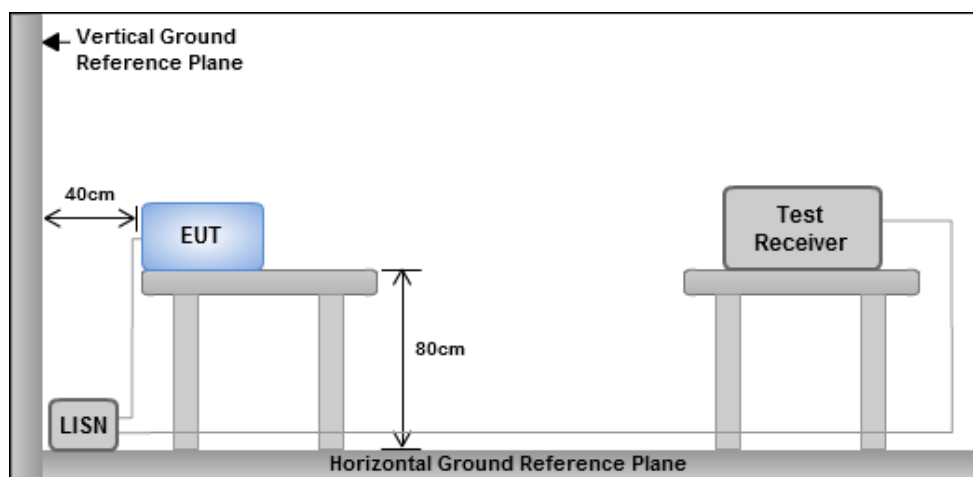
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

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

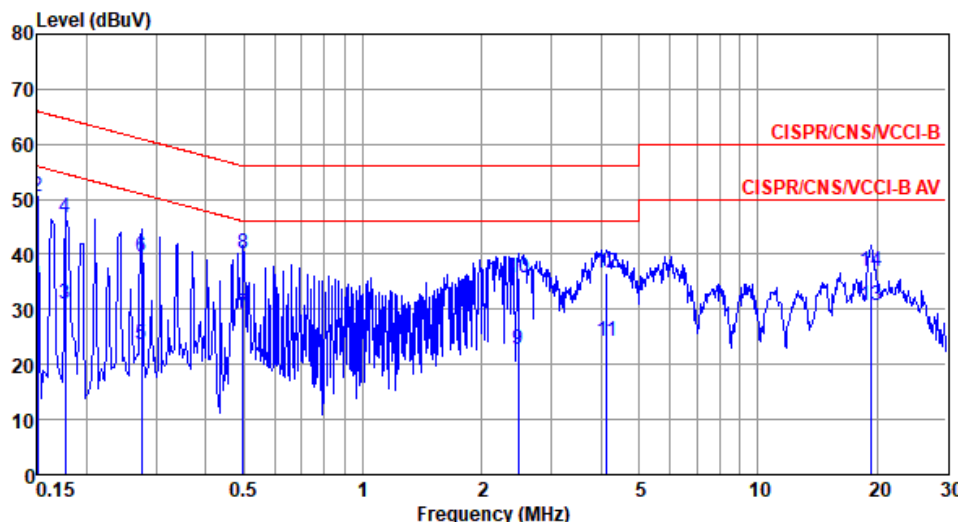
3.1.3 Test Setup



- 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

3.1.4 Test Result of Conducted Emissions

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



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.150	34.22	56.00	-21.78	24.52	9.53	0.05	Average
2*	0.150	50.42	66.00	-15.58	40.72	9.53	0.05	QP
3	0.177	31.12	54.64	-23.52	21.36	9.54	0.06	Average
4	0.177	46.56	64.64	-18.08	36.80	9.54	0.06	QP
5	0.276	23.49	50.94	-27.45	13.65	9.55	0.07	Average
6	0.276	39.53	60.94	-21.41	29.69	9.55	0.07	QP
7	0.497	29.15	46.05	-16.90	19.22	9.58	0.08	Average
8	0.497	40.02	56.05	-16.03	30.09	9.58	0.08	QP
9	2.474	22.62	46.00	-23.38	12.45	9.60	0.20	Average
10	2.474	35.81	56.00	-20.19	25.64	9.60	0.20	QP
11	4.136	24.23	46.00	-21.77	13.95	9.61	0.29	Average
12	4.136	36.74	56.00	-19.26	26.46	9.61	0.29	QP
13	19.326	30.71	50.00	-19.29	19.85	9.66	0.60	Average
14	19.326	36.96	60.00	-23.04	26.10	9.66	0.60	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB).

2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

Modulation	11g	Test Freq. (MHz)	2437																																																																																																																																							
Power Phase	Neutral																																																																																																																																									
Level (dBuV) <table><thead><tr><th></th><th>Freq MHz</th><th>Level dBuV</th><th>Limit Line dBuV</th><th>Over Limit dB</th><th>Read Level dBuV</th><th>LISN factor dB</th><th>cable loss dB</th><th>Remark</th></tr></thead><tbody><tr><td>1</td><td>0.150</td><td>34.54</td><td>56.00</td><td>-21.46</td><td>24.81</td><td>9.57</td><td>0.05</td><td>Average</td></tr><tr><td>2</td><td>0.150</td><td>50.52</td><td>66.00</td><td>-15.48</td><td>40.79</td><td>9.57</td><td>0.05</td><td>QP</td></tr><tr><td>3</td><td>0.165</td><td>29.93</td><td>55.21</td><td>-25.28</td><td>20.18</td><td>9.57</td><td>0.06</td><td>Average</td></tr><tr><td>4</td><td>0.165</td><td>44.46</td><td>65.21</td><td>-20.75</td><td>34.71</td><td>9.57</td><td>0.06</td><td>QP</td></tr><tr><td>5</td><td>0.195</td><td>24.91</td><td>53.80</td><td>-28.89</td><td>15.12</td><td>9.58</td><td>0.07</td><td>Average</td></tr><tr><td>6</td><td>0.195</td><td>41.60</td><td>63.80</td><td>-22.20</td><td>31.81</td><td>9.58</td><td>0.07</td><td>QP</td></tr><tr><td>7</td><td>0.327</td><td>27.60</td><td>49.53</td><td>-21.93</td><td>17.79</td><td>9.60</td><td>0.08</td><td>Average</td></tr><tr><td>8</td><td>0.327</td><td>38.24</td><td>59.53</td><td>-21.29</td><td>28.43</td><td>9.60</td><td>0.08</td><td>QP</td></tr><tr><td>9*</td><td>0.491</td><td>36.97</td><td>46.14</td><td>-9.17</td><td>27.13</td><td>9.62</td><td>0.08</td><td>Average</td></tr><tr><td>10</td><td>0.491</td><td>42.03</td><td>56.14</td><td>-14.11</td><td>32.19</td><td>9.62</td><td>0.08</td><td>QP</td></tr><tr><td>11</td><td>4.900</td><td>25.43</td><td>46.00</td><td>-20.57</td><td>15.17</td><td>9.67</td><td>0.32</td><td>Average</td></tr><tr><td>12</td><td>4.900</td><td>34.01</td><td>56.00</td><td>-21.99</td><td>23.75</td><td>9.67</td><td>0.32</td><td>QP</td></tr><tr><td>13</td><td>19.428</td><td>32.10</td><td>50.00</td><td>-17.90</td><td>21.24</td><td>9.81</td><td>0.60</td><td>Average</td></tr><tr><td>14</td><td>19.428</td><td>39.29</td><td>60.00</td><td>-20.71</td><td>28.43</td><td>9.81</td><td>0.60</td><td>QP</td></tr></tbody></table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark	1	0.150	34.54	56.00	-21.46	24.81	9.57	0.05	Average	2	0.150	50.52	66.00	-15.48	40.79	9.57	0.05	QP	3	0.165	29.93	55.21	-25.28	20.18	9.57	0.06	Average	4	0.165	44.46	65.21	-20.75	34.71	9.57	0.06	QP	5	0.195	24.91	53.80	-28.89	15.12	9.58	0.07	Average	6	0.195	41.60	63.80	-22.20	31.81	9.58	0.07	QP	7	0.327	27.60	49.53	-21.93	17.79	9.60	0.08	Average	8	0.327	38.24	59.53	-21.29	28.43	9.60	0.08	QP	9*	0.491	36.97	46.14	-9.17	27.13	9.62	0.08	Average	10	0.491	42.03	56.14	-14.11	32.19	9.62	0.08	QP	11	4.900	25.43	46.00	-20.57	15.17	9.67	0.32	Average	12	4.900	34.01	56.00	-21.99	23.75	9.67	0.32	QP	13	19.428	32.10	50.00	-17.90	21.24	9.81	0.60	Average	14	19.428	39.29	60.00	-20.71	28.43	9.81	0.60	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark																																																																																																																																		
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Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB). 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).																																																																																																																																										

3.2 6dB and Occupied Bandwidth

3.2.1 Limit of 6dB Bandwidth

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

3.2.2 Test Procedures

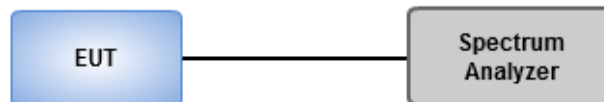
6dB Bandwidth

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.

3.2.3 Test Setup



3.2.4 Test Result of 6dB and Occupied Bandwidth

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	9.13M	14.327M	14M3G1D	8.551M	13.531M
802.11g_Nss1,(6Mbps)_2TX	16.304M	23.806M	23M8D1D	15M	16.353M
802.11n HT20_Nss1,(MCS0)_2TX	16.667M	24.891M	24M9D1D	15.072M	17.511M
802.11n HT40_Nss1,(MCS0)_2TX	35.072M	36.035M	36M0D1D	32.609M	35.89M

Max-N dB = Maximum6dB downbandwidth;**Max-OBW** = Maximum99% occupied bandwidth;

Min-N dB = Minimum6dB downbandwidth;**Min-OBW** = Minimum99% occupied bandwidth;

Result

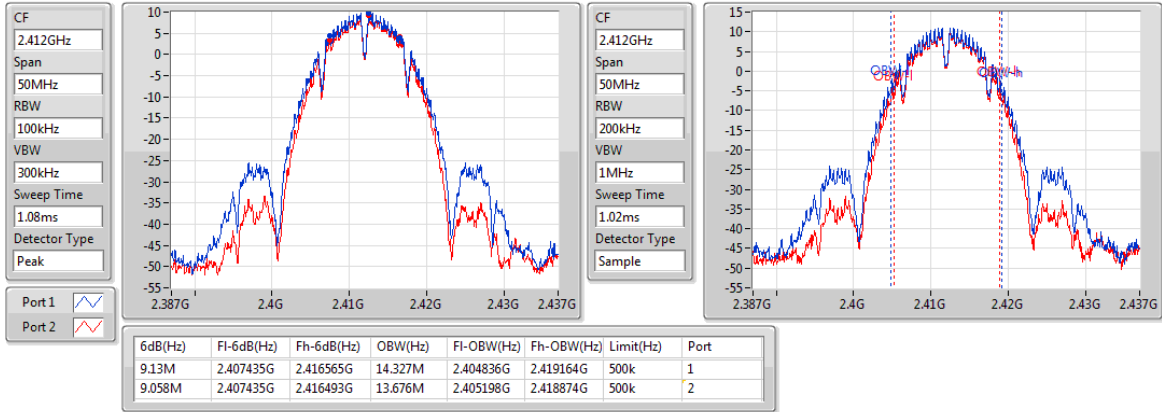
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	9.13M	14.327M	9.058M	13.676M
2437MHz	Pass	500k	9.13M	14.255M	8.623M	13.676M
2462MHz	Pass	500k	9.13M	14.11M	8.551M	13.531M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.072M	16.643M	15.072M	16.353M
2437MHz	Pass	500k	15.072M	23.806M	15M	18.017M
2462MHz	Pass	500k	15.072M	16.643M	16.304M	16.425M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.29M	17.583M	15.942M	17.511M
2437MHz	Pass	500k	15.072M	24.891M	16.667M	18.958M
2462MHz	Pass	500k	16.232M	17.583M	15.725M	17.511M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.072M	35.89M	35.072M	36.035M
2437MHz	Pass	500k	32.609M	36.035M	33.768M	36.035M
2452MHz	Pass	500k	32.609M	35.89M	35.072M	36.035M

Port X-N dB = Port X6dB downbandwidth; **Port X-OBW** = Port X99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX

EBW

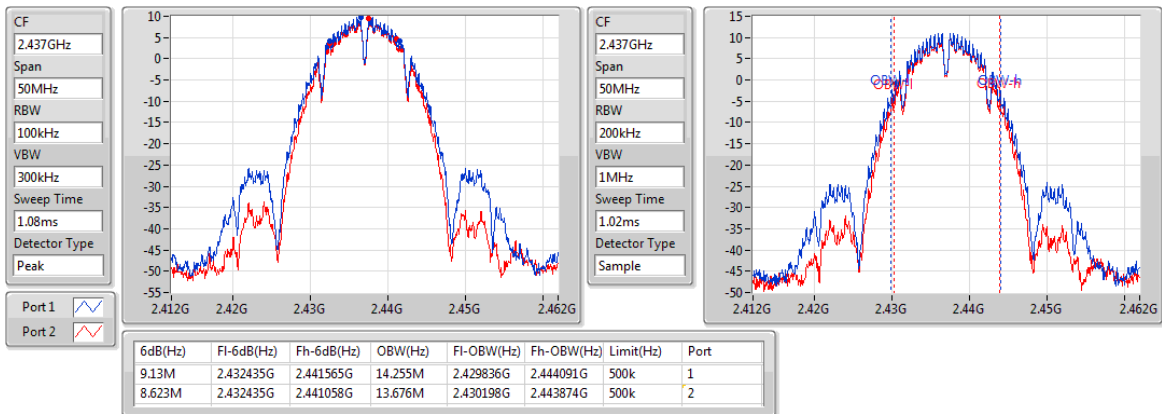
2412MHz



802.11b_Nss1,(1Mbps)_2TX

EBW

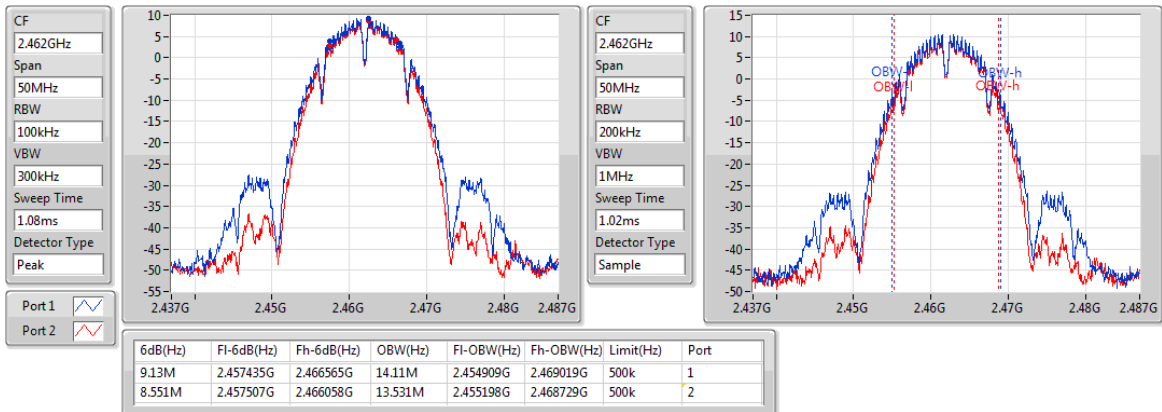
2437MHz



802.11b_Nss1,(1Mbps)_2TX

EBW

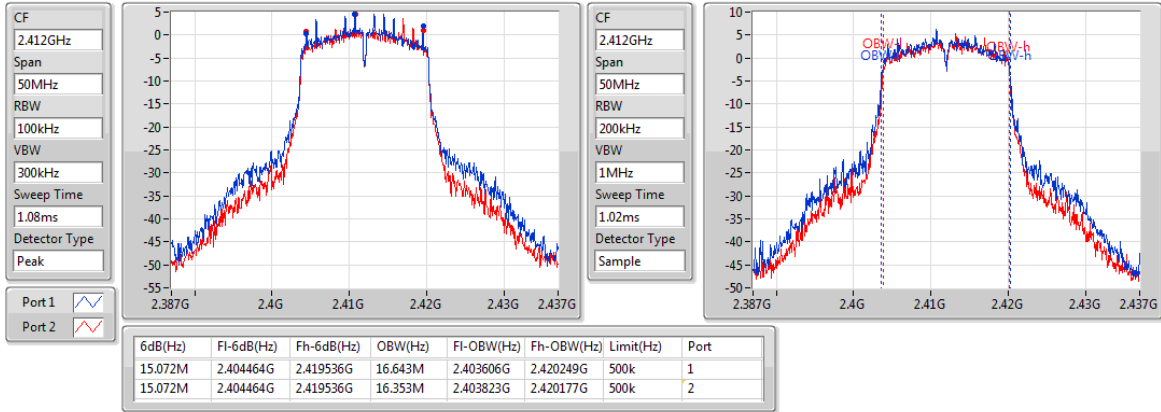
2462MHz



802.11g_Nss1,(6Mbps)_2TX

EBW

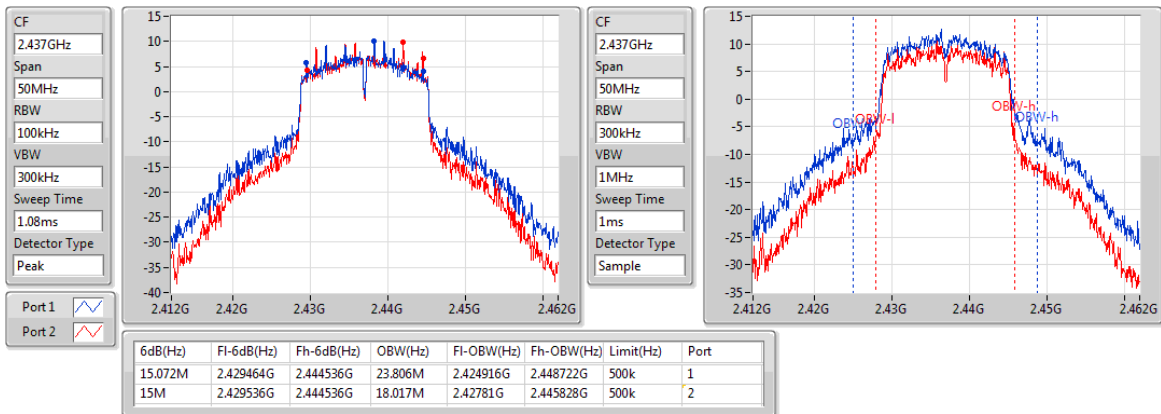
2412MHz



802.11g_Nss1,(6Mbps)_2TX

EBW

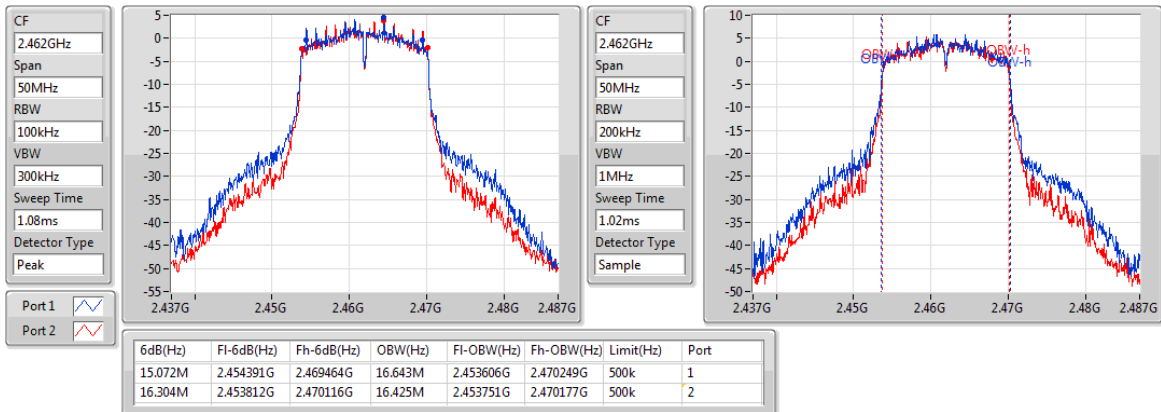
2437MHz



802.11g_Nss1,(6Mbps)_2TX

EBW

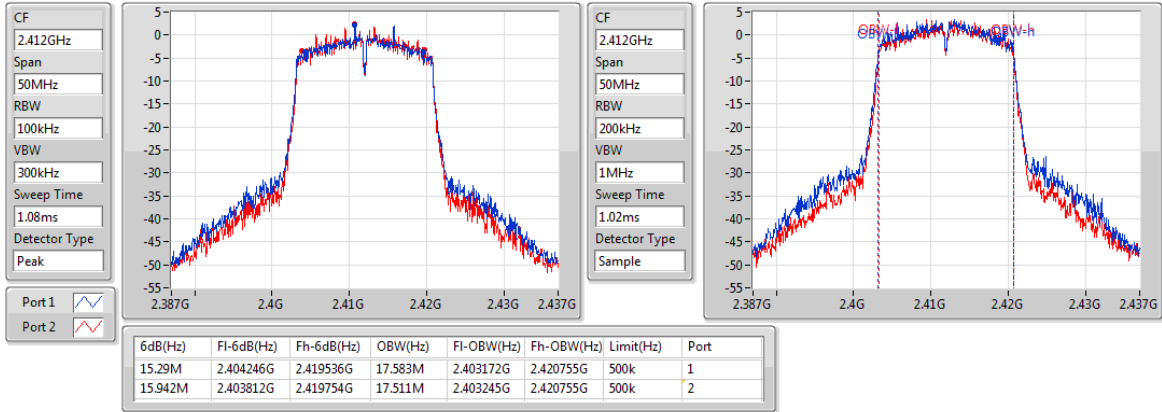
2462MHz



802.11n HT20_Nss1,(MCS0)_2TX

EBW

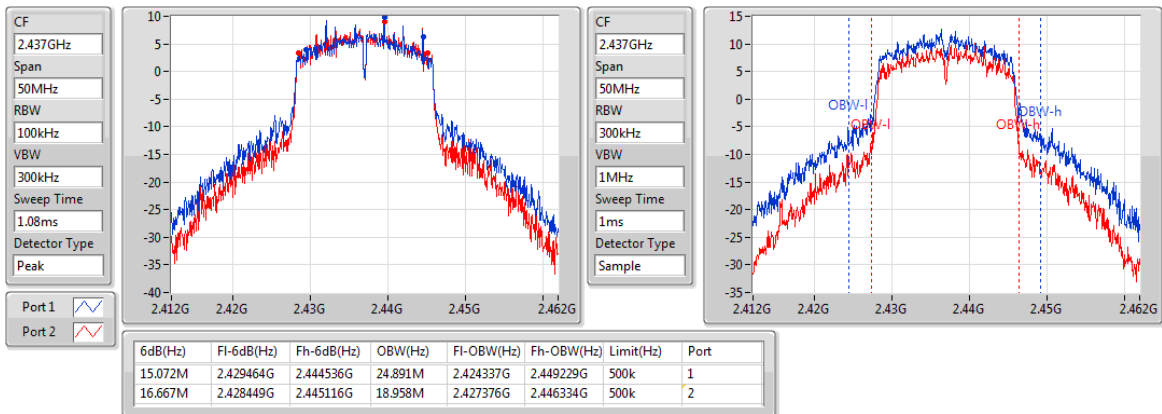
2412MHz



802.11n HT20_Nss1,(MCS0)_2TX

EBW

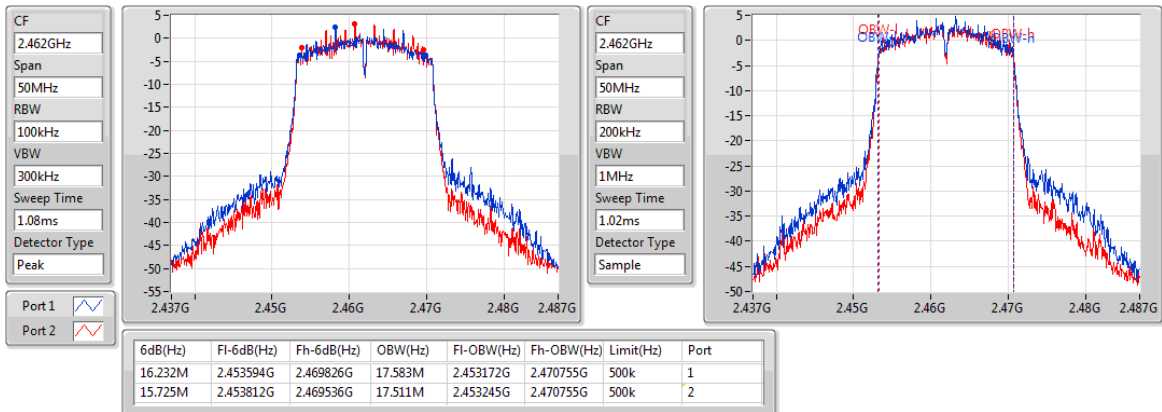
2437MHz



802.11n HT20_Nss1,(MCS0)_2TX

EBW

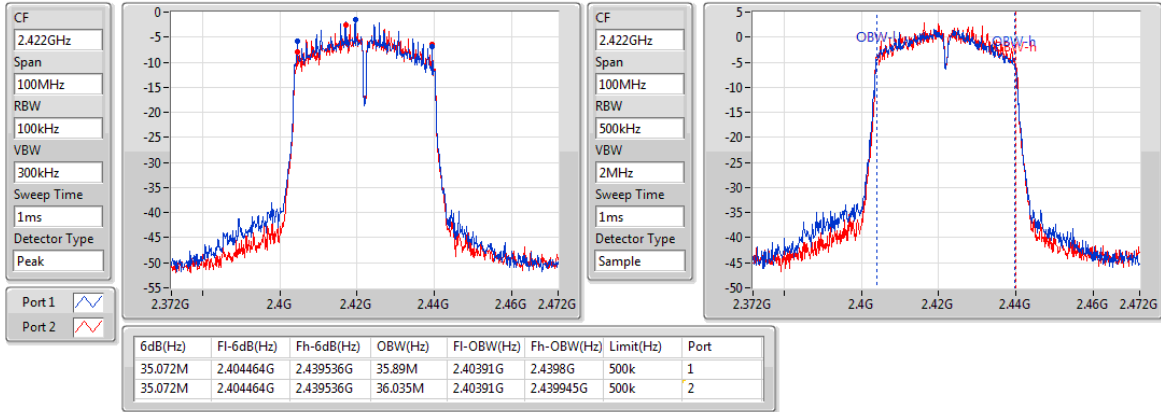
2462MHz



802.11n HT40_Nss1,(MCS0)_2TX

EBW

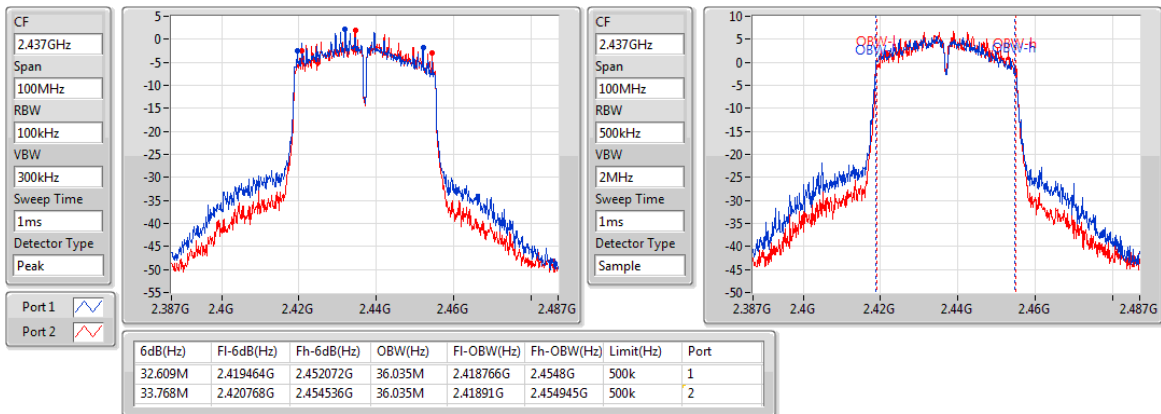
2422MHz



802.11n HT40_Nss1,(MCS0)_2TX

EBW

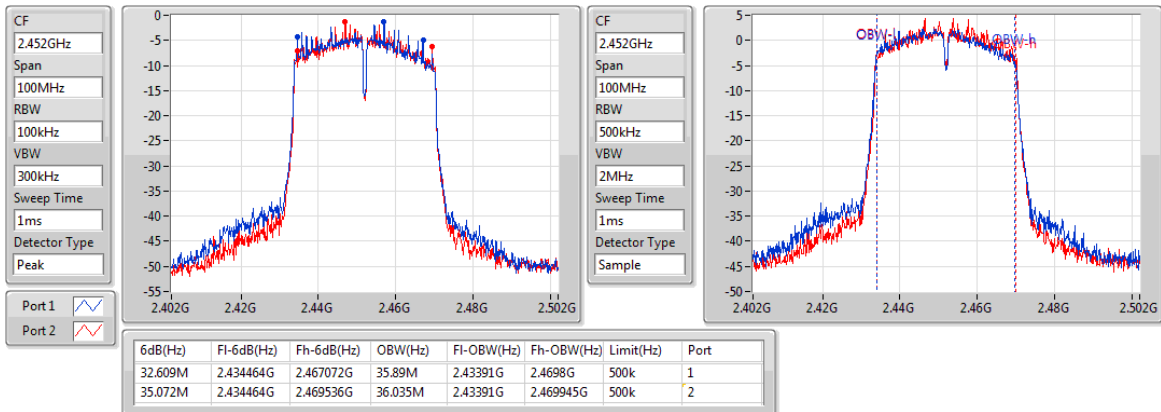
2437MHz



802.11n HT40_Nss1,(MCS0)_2TX

EBW

2452MHz



3.3 RF Output Power

3.3.1 Limit of RF Output Power

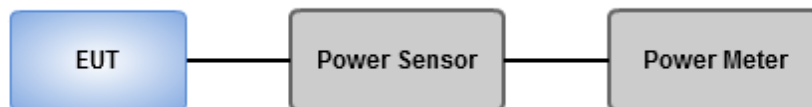
Conducted power shall not exceed 1Watt.

Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.

3.3.2 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.

3.3.3 Test Setup



3.3.4 Test Result of Maximum Output Power

Summary of Conducted (Average) Output Power

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.20	0.20893
802.11g_Nss1,(6Mbps)_2TX	24.03	0.25293
802.11n HT20_Nss1,(MCS0)_2TX	23.94	0.24774
802.11n HT40_Nss1,(MCS0)_2TX	18.48	0.07047

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	3.80	20.24	19.66	22.97	30.00	26.77	36.00
2437MHz	Pass	3.80	20.19	19.71	22.97	30.00	26.77	36.00
2462MHz	Pass	3.80	20.77	19.52	23.20	30.00	27.00	36.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.80	15.88	15.52	18.71	30.00	22.51	36.00
2437MHz	Pass	3.80	21.21	20.82	24.03	30.00	27.83	36.00
2462MHz	Pass	3.80	16.42	16.02	19.23	30.00	23.03	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	3.80	14.36	14.11	17.25	30.00	21.05	36.00
2437MHz	Pass	3.80	21.12	20.74	23.94	30.00	27.74	36.00
2462MHz	Pass	3.80	15.06	14.79	17.94	30.00	21.74	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.80	11.59	11.18	14.40	30.00	18.20	36.00
2437MHz	Pass	3.80	15.65	15.29	18.48	30.00	22.28	36.00
2452MHz	Pass	3.80	12.68	12.24	15.48	30.00	19.28	36.00

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

Note :Conducted average output power is for reference only

3.4 Power Spectral Density

3.4.1 Limit of Power Spectral Density

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

3.4.2 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.

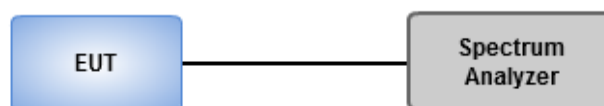
Average PSD, duty cycle $\geq 98\%$

1. Set the RBW = 30 kHz, VBW = 100 kHz.
2. Detector = RMS, Sweep time = auto couple.
3. Sweep time = auto couple.
4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
5. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle $< 98\%$

1. Set the RBW = 30 kHz, VBW = 100 kHz. Detector = RMS.
2. Set the sweep time to: ≥ 10 (number of measurement points in sweep) $\times$ (total on/off period of the transmitted signal).
3. Perform the measurement over a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log (1/x)$, where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Power Spectral Density

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.66
802.11g_Nss1,(6Mbps)_2TX	-0.11
802.11n HT20_Nss1,(MCS0)_2TX	-0.11
802.11n HT40_Nss1,(MCS0)_2TX	-9.15

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	6.18	-1.79	-2.26	0.47	7.82
2437MHz	Pass	6.18	-2.21	-2.03	0.66	7.82
2462MHz	Pass	6.18	-3.08	-2.74	-0.12	7.82
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.18	-7.81	-8.56	-5.33	7.82
2437MHz	Pass	6.18	-2.87	-3.05	-0.11	7.82
2462MHz	Pass	6.18	-7.45	-8.09	-4.83	7.82
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.18	-9.35	-9.46	-6.93	7.82
2437MHz	Pass	6.18	-3.02	-2.60	-0.11	7.82
2462MHz	Pass	6.18	-9.51	-8.79	-6.12	7.82
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.18	-15.79	-16.10	-12.93	7.82
2437MHz	Pass	6.18	-11.95	-12.26	-9.15	7.82
2452MHz	Pass	6.18	-14.87	-15.25	-12.05	7.82

DG = Directional Gain= $10 * \log((10^{3.8/20} + 10^{2.5/20})^2 / 2) = 6.18 \text{ dBi} > 6 \text{ dBi}$

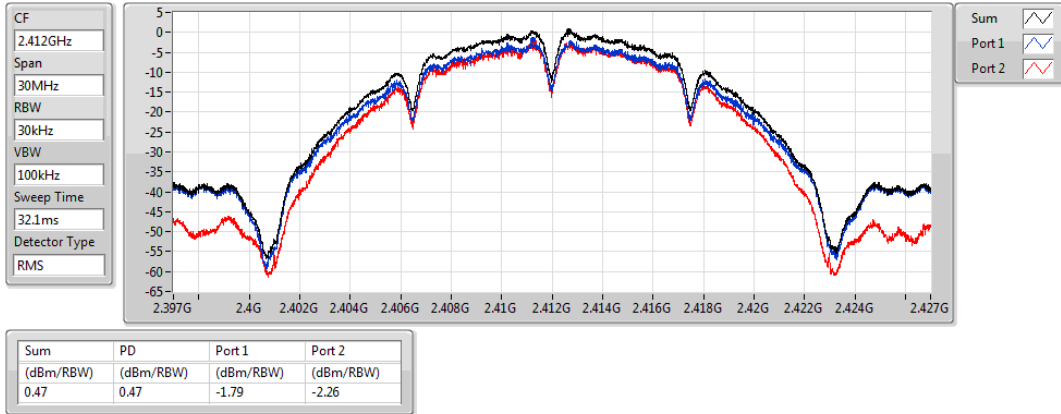
Limit shall be reduced to 8 dBm – (6.18 dBi – 6 dBi) = 7.82 dBm

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

802.11b_Nss1,(1Mbps)_2TX

PSD

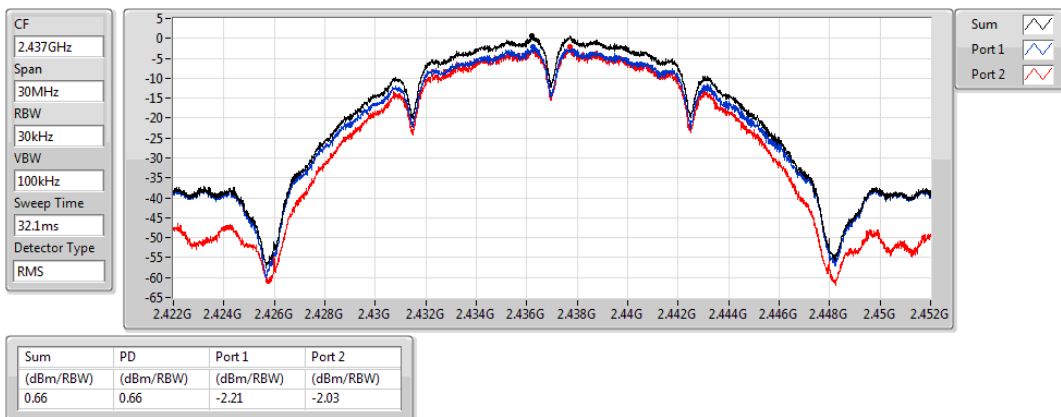
2412MHz



802.11b_Nss1,(1Mbps)_2TX

PSD

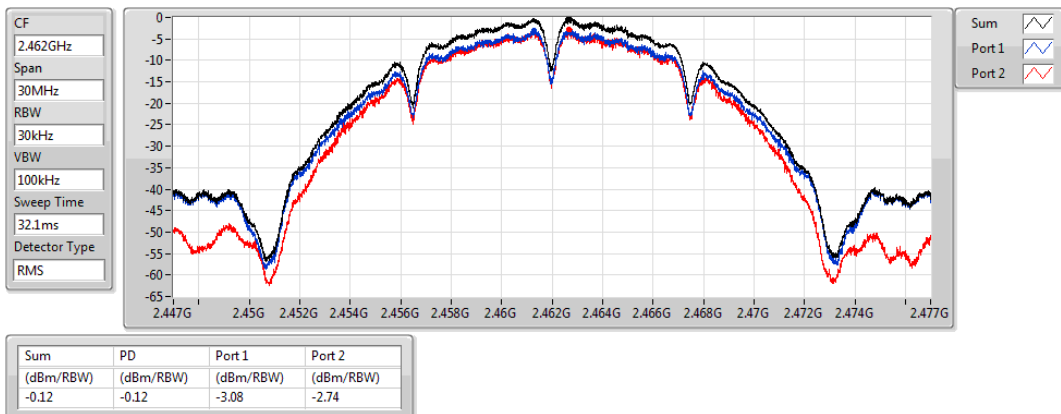
2437MHz



802.11b_Nss1,(1Mbps)_2TX

PSD

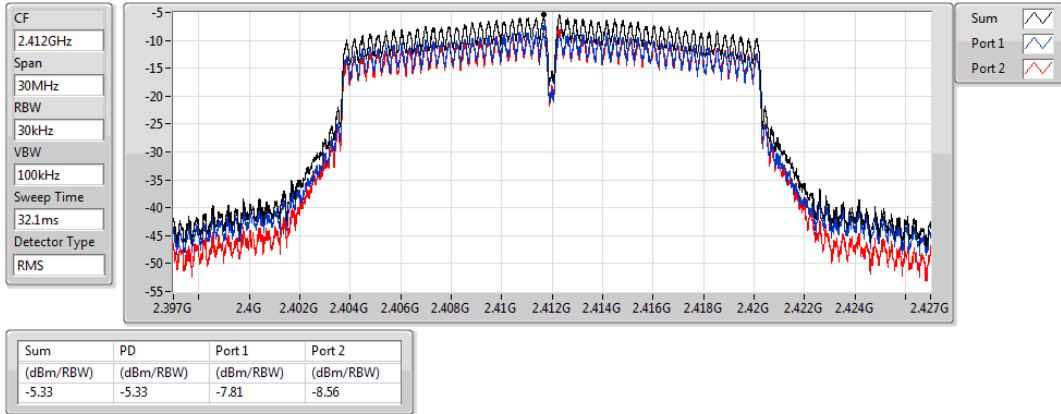
2462MHz



802.11g_Nss1,(6Mbps)_2TX

PSD

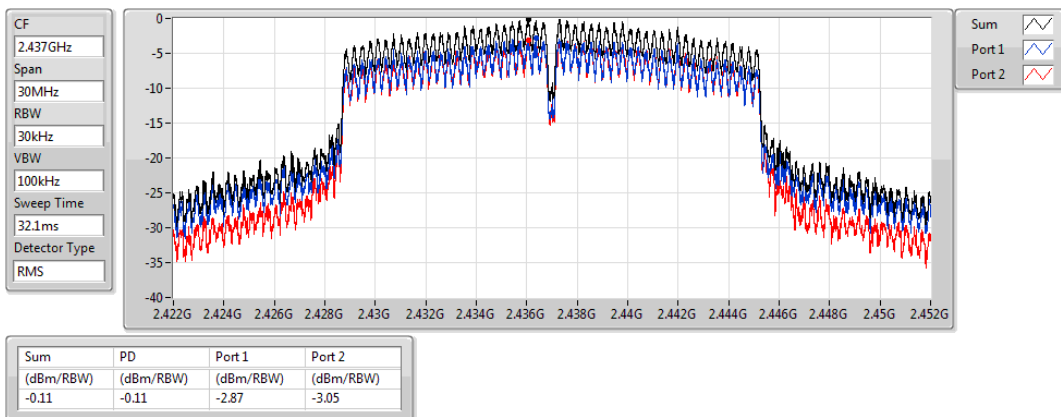
2412MHz



802.11g_Nss1,(6Mbps)_2TX

PSD

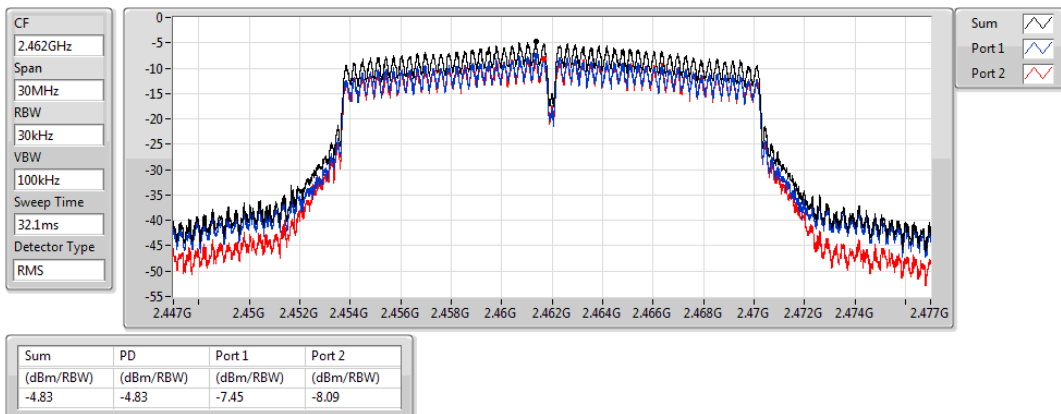
2437MHz



802.11g_Nss1,(6Mbps)_2TX

PSD

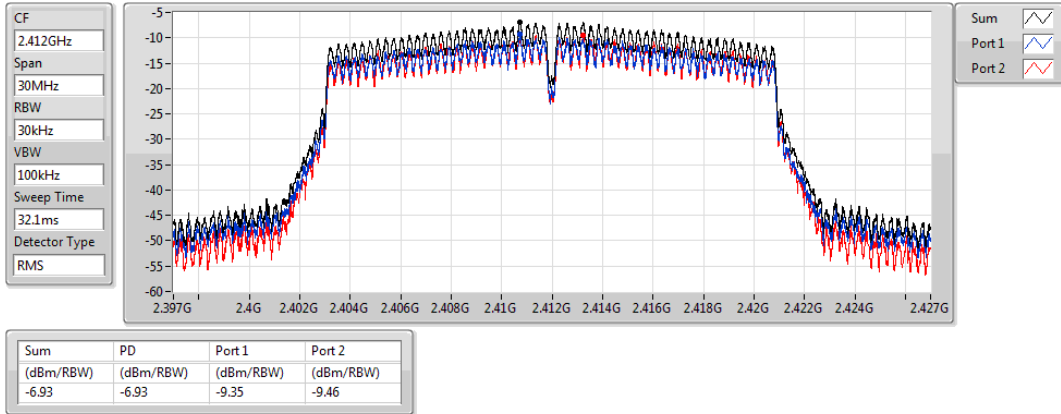
2462MHz



802.11n HT20_Nss1,(MCS0)_2TX

PSD

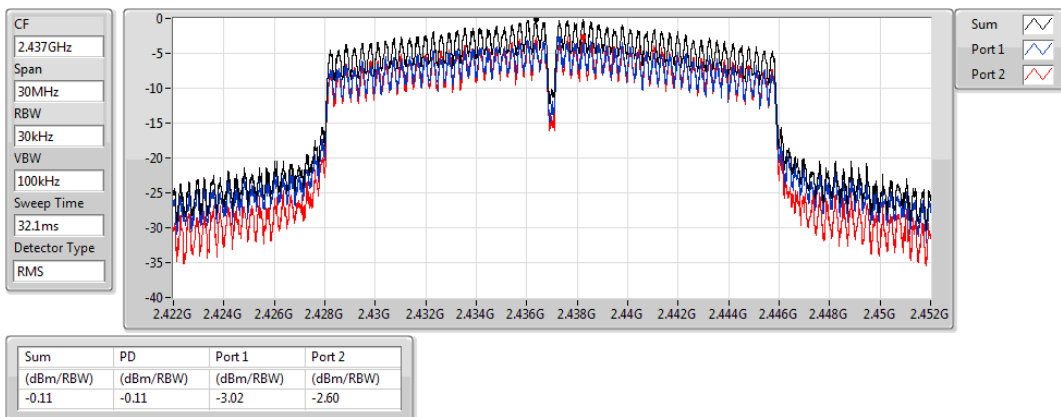
2412MHz



802.11n HT20_Nss1,(MCS0)_2TX

PSD

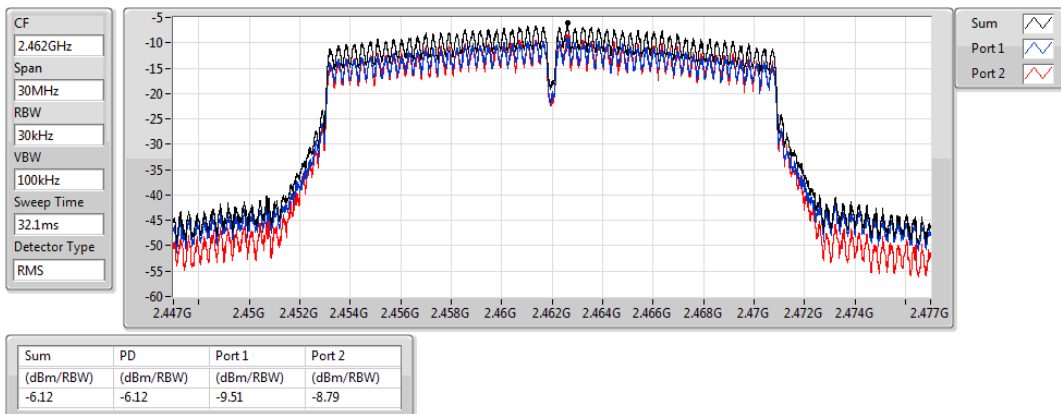
2437MHz



802.11n HT20_Nss1,(MCS0)_2TX

PSD

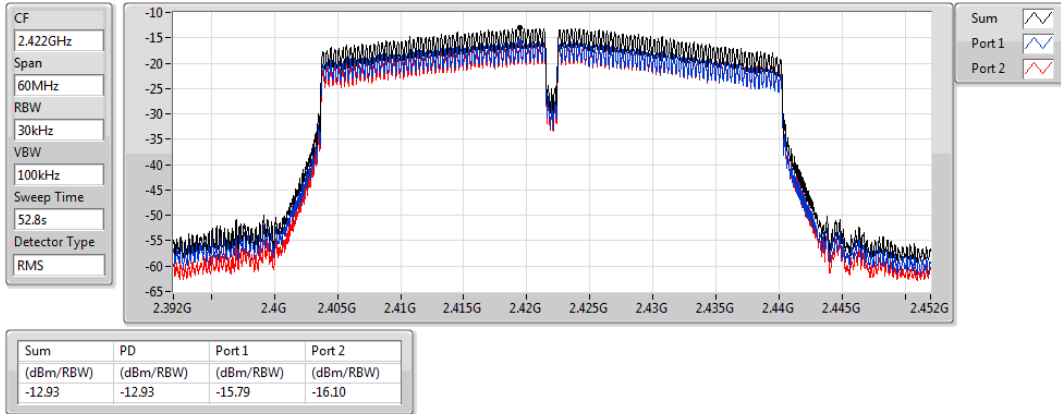
2462MHz



802.11n HT40_Nss1,(MCS0)_2TX

PSD

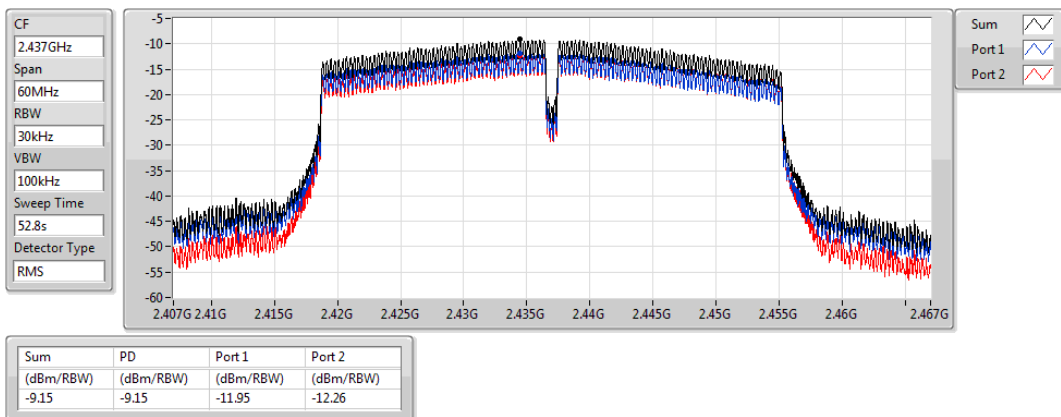
2422MHz



802.11n HT40_Nss1,(MCS0)_2TX

PSD

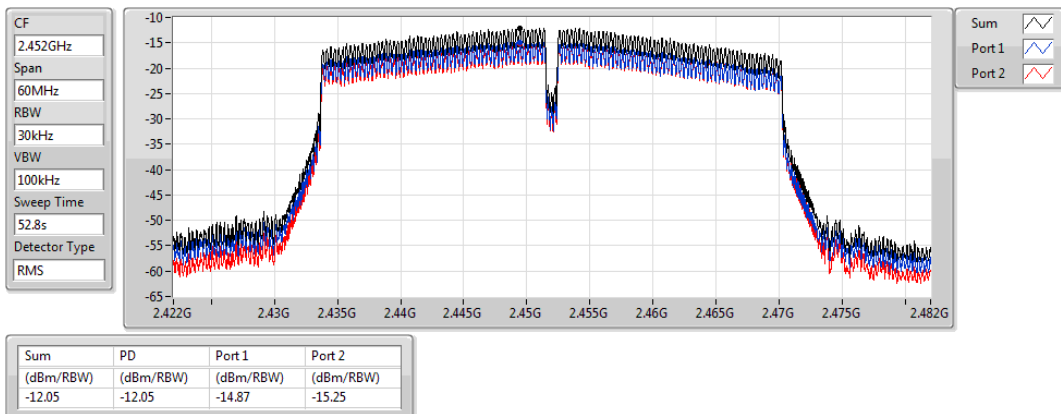
2437MHz



802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz



3.5 Unwanted Emissions into Restricted Frequency Bands

3.5.1 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.

3.5.2 Test Procedures

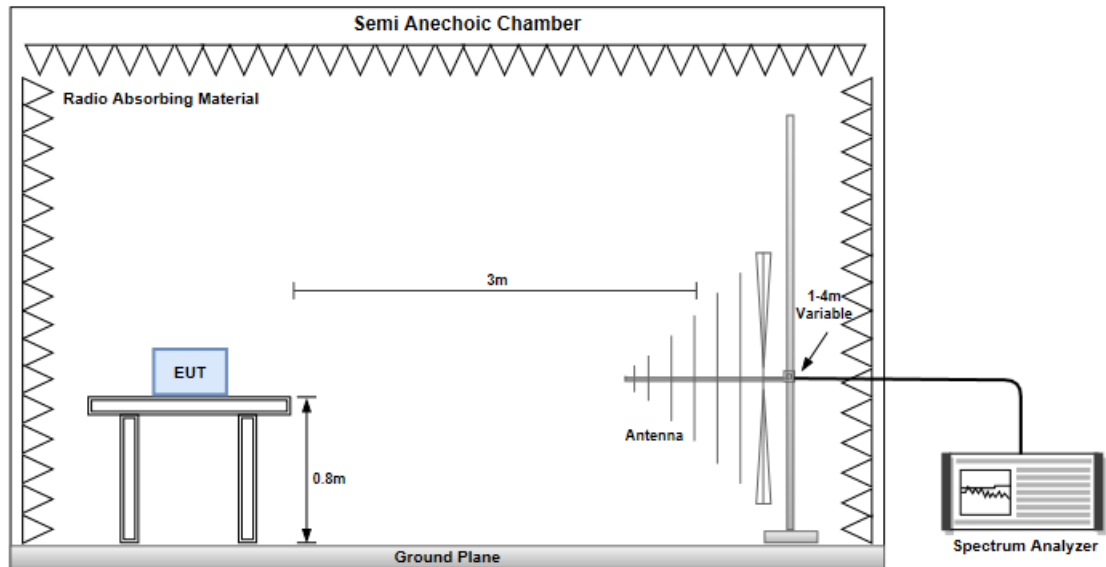
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

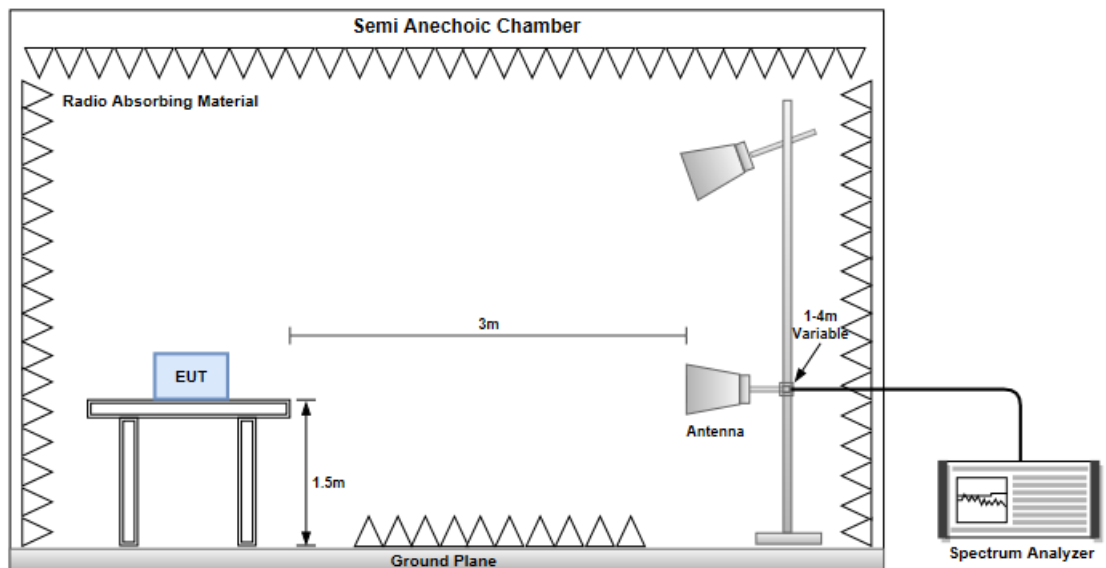
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz

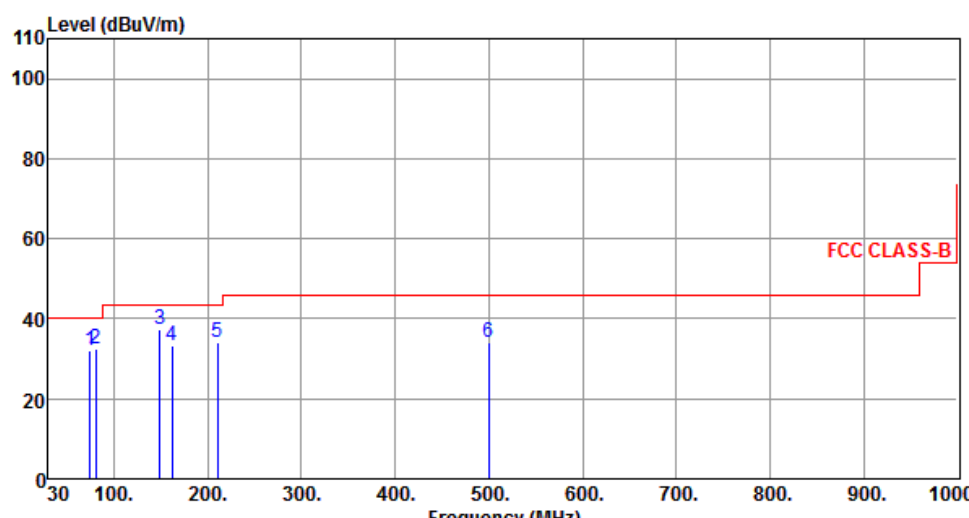


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

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

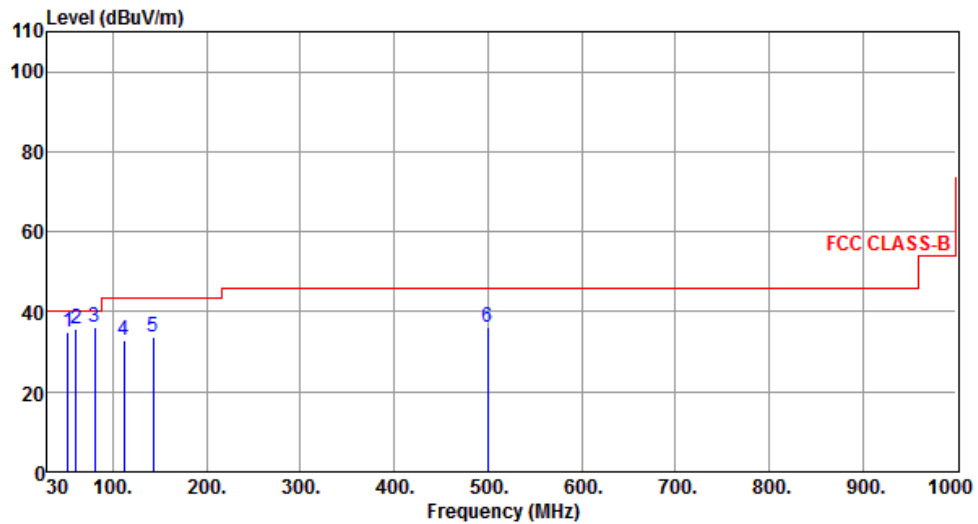


The graph displays the radiated unwanted emissions for a transmitter. The y-axis represents the Level in dBuV/m, ranging from 0 to 110. The x-axis represents the Frequency in MHz, ranging from 30 to 1000. A red line indicates the FCC CLASS-B limit, which is 40 dBuV/m from 30 MHz to 100 MHz, 45 dBuV/m from 100 MHz to 1000 MHz. Six measured peaks are labeled with numbers 2 through 7. The data for these peaks is provided in the table below.

	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	74.62	32.23	40.00	-7.77	44.11	-11.88	Peak	---	---
2	80.44	32.33	40.00	-7.67	45.88	-13.55	Peak	---	---
3	149.31	37.41	43.50	-6.09	46.16	-8.75	Peak	---	---
4	161.92	33.15	43.50	-10.35	41.86	-8.71	Peak	---	---
5	210.42	34.24	43.50	-9.26	46.29	-12.05	Peak	---	---
6	499.48	34.27	46.00	-11.73	37.32	-3.05	Peak	---	---

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

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



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	52.31	34.97	40.00	-5.03	43.67	-8.70	QP	100	324
2	61.04	35.83	40.00	-4.17	45.26	-9.43	Peak	---	---
3	80.44	36.00	40.00	-4.00	49.55	-13.55	Peak	---	---
4	111.48	32.73	43.50	-10.77	44.66	-11.93	Peak	---	---
5	142.52	33.76	43.50	-9.74	42.77	-9.01	Peak	---	---
6	499.48	36.04	46.00	-9.96	39.09	-3.05	Peak	---	---

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

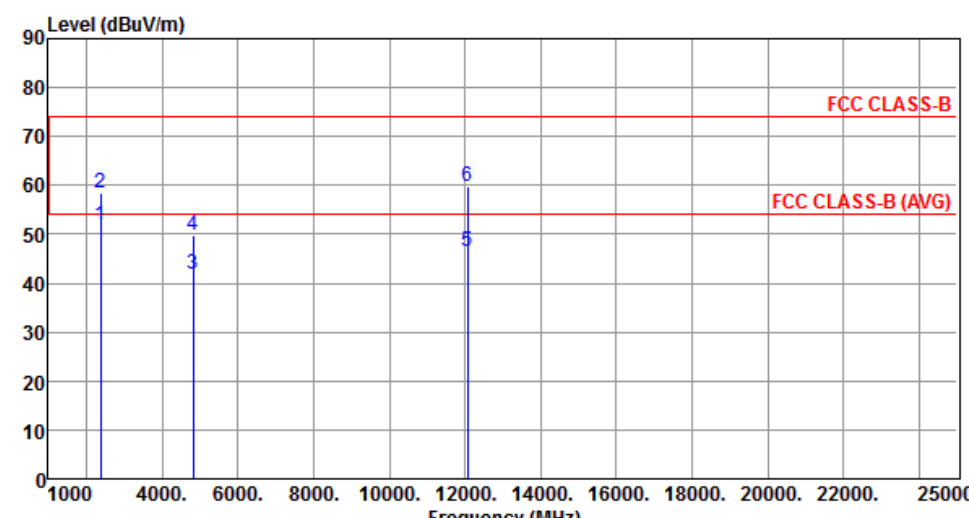
*Factor includes antenna factor , cable loss and amplifier gain

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.

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11b

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



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.95	54.00	-2.05	51.51	0.44	Average	203	153
2	2390.00	58.29	74.00	-15.71	57.85	0.44	Peak	203	153
3	4824.00	41.90	54.00	-12.10	35.50	6.40	Average	164	157
4	4824.00	49.78	74.00	-24.22	43.38	6.40	Peak	164	157
5	12060.00	46.57	54.00	-7.43	30.19	16.38	Average	100	30
6	12060.00	59.78	74.00	-14.22	43.40	16.38	Peak	100	30

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

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBUV/m) <			

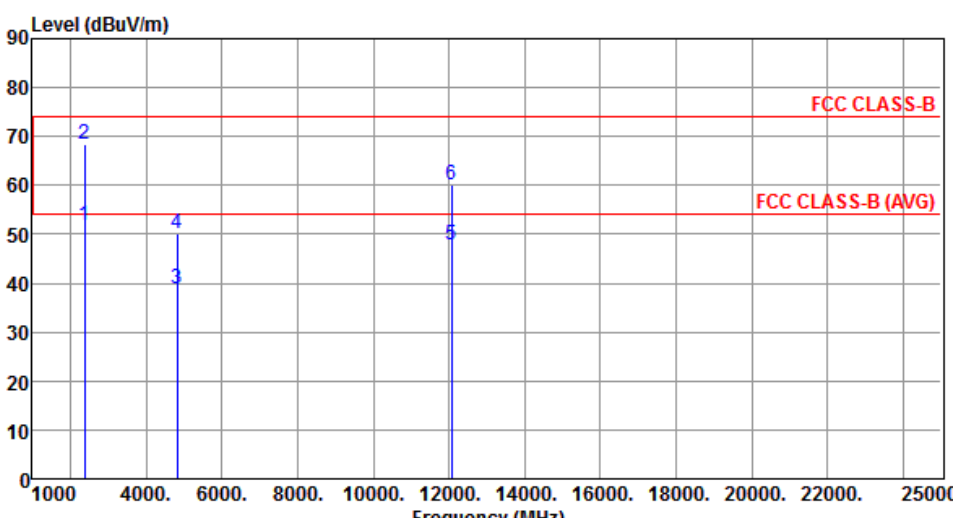
Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBUV/m) <			

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical		
Level (dBuV/m)			

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11g

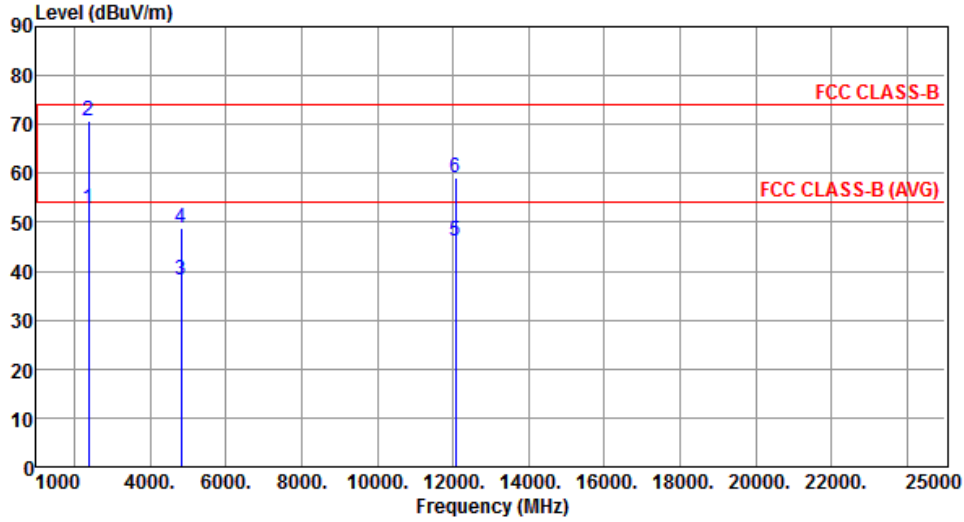
Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.84	54.00	-2.16	51.40	0.44	Average	208	152
2	2390.00	68.42	74.00	-5.58	67.98	0.44	Peak	208	152
3	4824.00	38.96	54.00	-15.04	32.56	6.40	Average	100	148
4	4824.00	50.23	74.00	-23.77	43.83	6.40	Peak	100	148
5	12060.00	47.78	54.00	-6.22	31.40	16.38	Average	100	152
6	12060.00	60.22	74.00	-13.78	43.84	16.38	Peak	100	152

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

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



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	52.94	54.00	-1.06	52.50	0.44	Average	144	84
2	2390.00	70.65	74.00	-3.35	70.21	0.44	Peak	144	84
3	4824.00	38.23	54.00	-15.77	31.83	6.40	Average	100	254
4	4824.00	48.97	74.00	-25.03	42.57	6.40	Peak	100	254
5	12060.00	46.02	54.00	-7.98	29.64	16.38	Average	100	251
6	12060.00	59.01	74.00	-14.99	42.63	16.38	Peak	100	251

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

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBUV/m) </			

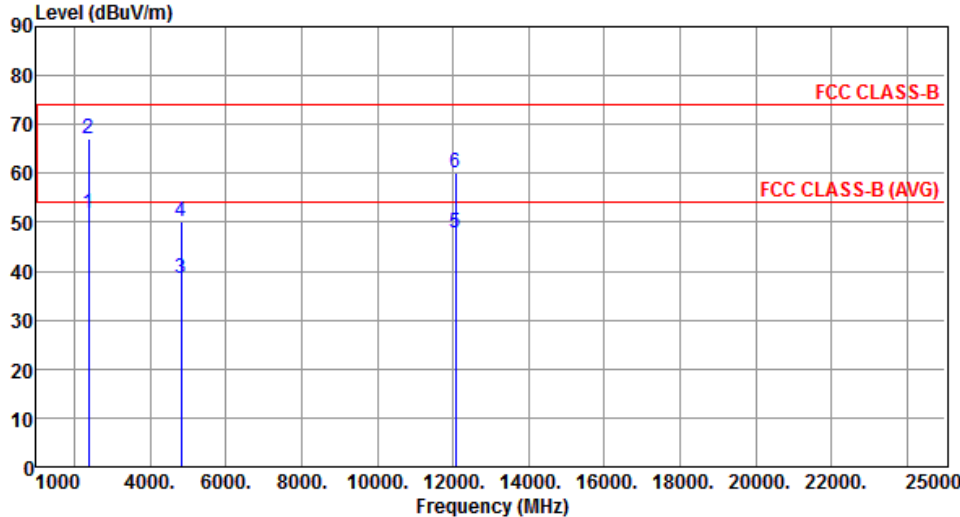
Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBUV/m) </			

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical		
Level (dBuV/m) </			

3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20

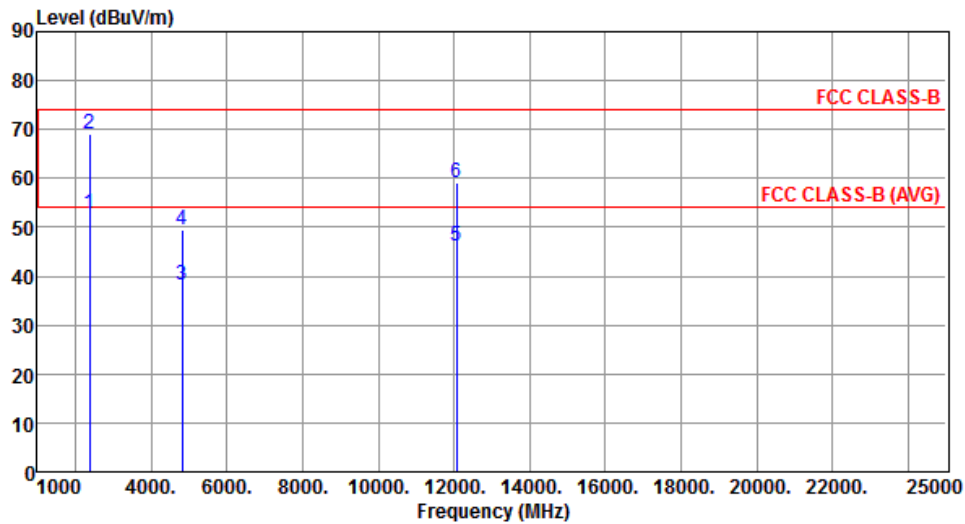
Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.84	54.00	-2.16	51.40	0.44	Average	209	151
2	2390.00	66.96	74.00	-7.04	66.52	0.44	Peak	209	151
3	4824.00	38.60	54.00	-15.40	32.20	6.40	Average	100	152
4	4824.00	50.23	74.00	-23.77	43.83	6.40	Peak	100	152
5	12060.00	47.94	54.00	-6.06	31.56	16.38	Average	100	156
6	12060.00	59.96	74.00	-14.04	43.58	16.38	Peak	100	156

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

Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	52.89	54.00	-1.11	52.45	0.44	Average	147	89
2	2390.00	69.13	74.00	-4.87	68.69	0.44	Peak	147	89
3	4824.00	38.27	54.00	-15.73	31.87	6.40	Average	100	253
4	4824.00	49.33	74.00	-24.67	42.93	6.40	Peak	100	253
5	12060.00	46.15	54.00	-7.85	29.77	16.38	Average	100	256
6	12060.00	59.22	74.00	-14.78	42.84	16.38	Peak	100	256

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal		
Level (dBuV/m) </			

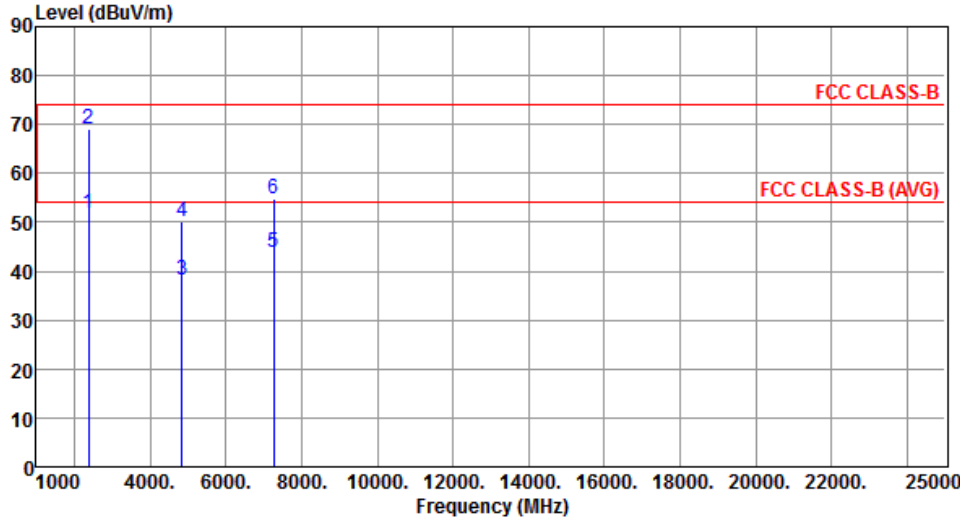
Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Vertical		
Level (dBuV/m) </			

3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40

Modulation	HT40	Test Freq. (MHz)	2422
Polarization	Horizontal		

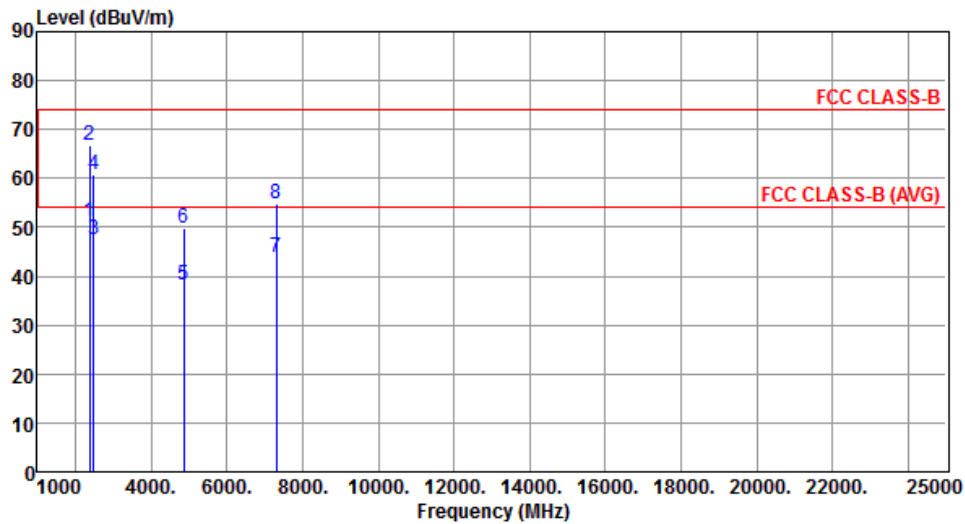


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.68	54.00	-2.32	51.24	0.44	Average	205	155
2	2390.00	68.96	74.00	-5.04	68.52	0.44	Peak	205	155
3	4844.00	38.28	54.00	-15.72	31.83	6.45	Average	100	152
4	4844.00	50.02	74.00	-23.98	43.57	6.45	Peak	100	152
5	7266.00	43.79	54.00	-10.21	31.84	11.95	Average	100	155
6	7266.00	54.95	74.00	-19.05	43.00	11.95	Peak	100	155

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

Modulation	HT40	Test Freq. (MHz)	2422
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	HT40	Test Freq. (MHz)	2437
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.24	54.00	-2.76	50.80	0.44	Average	204	152
2	2390.00	66.62	74.00	-7.38	66.18	0.44	Peak	204	152
3	2483.50	47.55	54.00	-6.45	47.26	0.29	Average	204	152
4	2483.50	60.75	74.00	-13.25	60.46	0.29	Peak	204	152
5	4874.00	38.20	54.00	-15.80	31.77	6.43	Average	100	156
6	4874.00	49.68	74.00	-24.32	43.25	6.43	Peak	100	156
7	7311.00	43.75	54.00	-10.25	31.83	11.92	Average	100	152
8	7311.00	54.85	74.00	-19.15	42.93	11.92	Peak	100	152

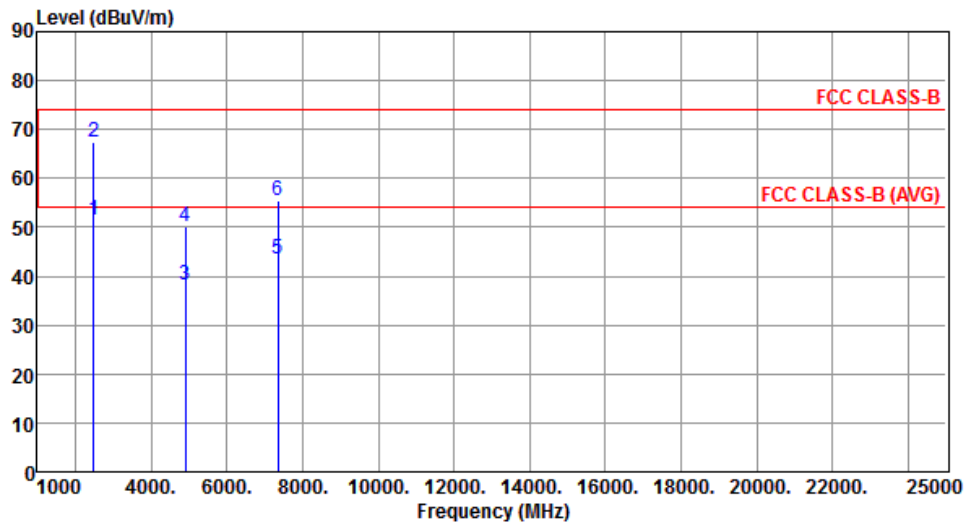
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	HT40	Test Freq. (MHz)	2437
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	HT40	Test Freq. (MHz)	2452
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	51.46	54.00	-2.54	51.17	0.29	Average	209	156
2	2483.50	67.54	74.00	-6.46	67.25	0.29	Peak	209	156
3	4904.00	38.26	54.00	-15.74	31.84	6.42	Average	100	155
4	4904.00	50.23	74.00	-23.77	43.81	6.42	Peak	100	155
5	7356.00	43.39	54.00	-10.61	31.58	11.81	Average	100	157
6	7356.00	55.31	74.00	-18.69	43.50	11.81	Peak	100	157

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

*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	HT40	Test Freq. (MHz)	2452
Polarization	Vertical		
Level (dBUV/m) </			

3.6 Emissions in Non-Restricted Frequency Bands

3.6.1 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.

3.6.2 Test Procedures

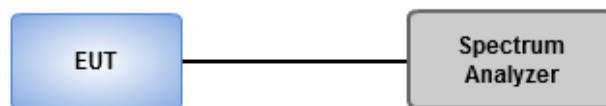
Reference level measurement

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

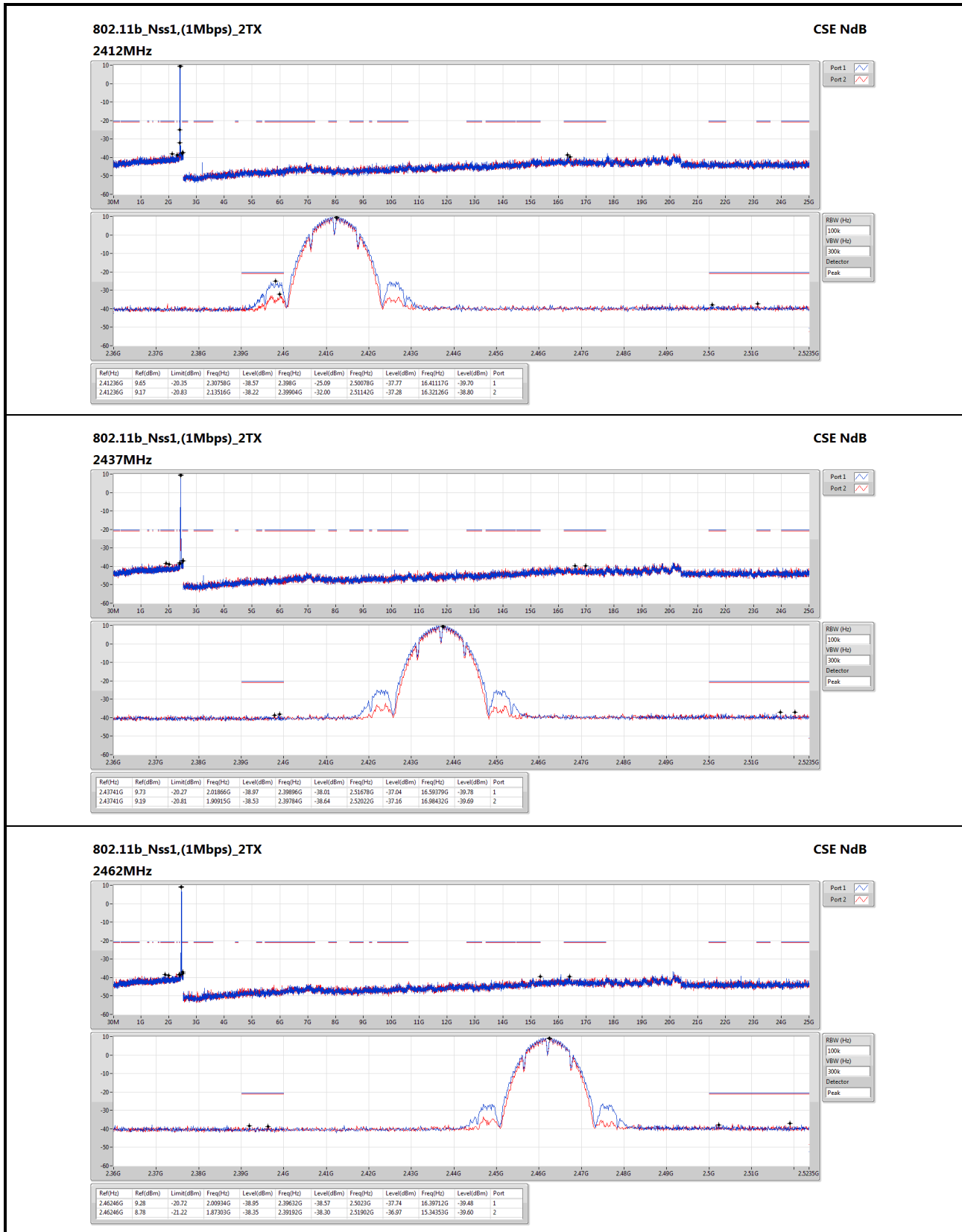
Emission level measurement

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

3.6.3 Test Setup



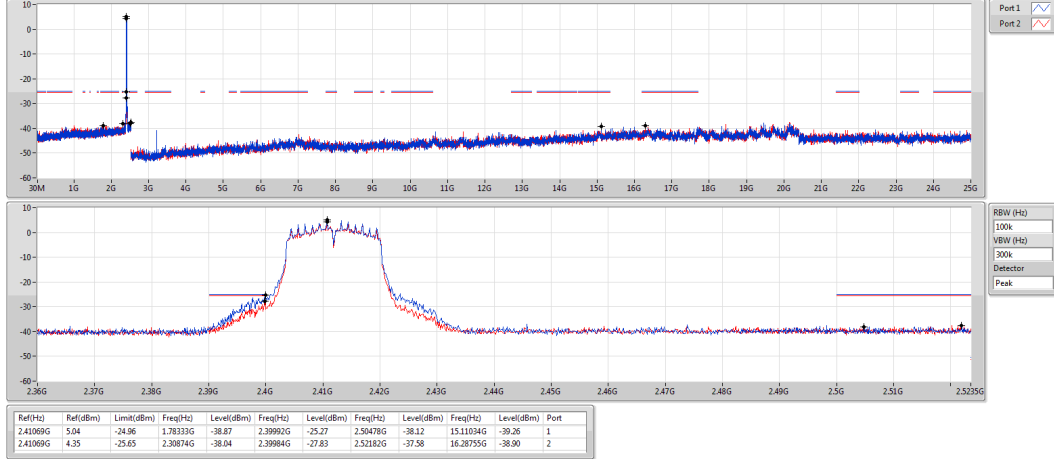
3.6.4 Unwanted Emissions into Non-Restricted Frequency Bands



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

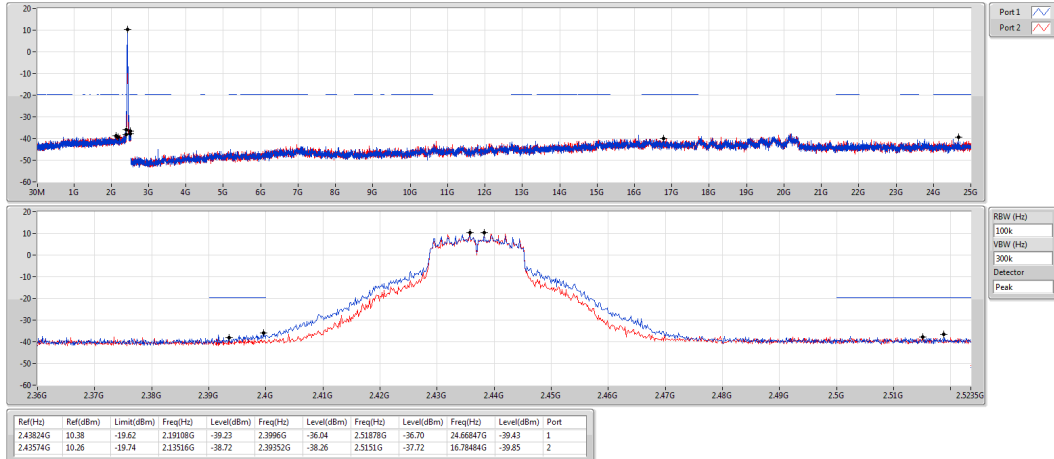
2412MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

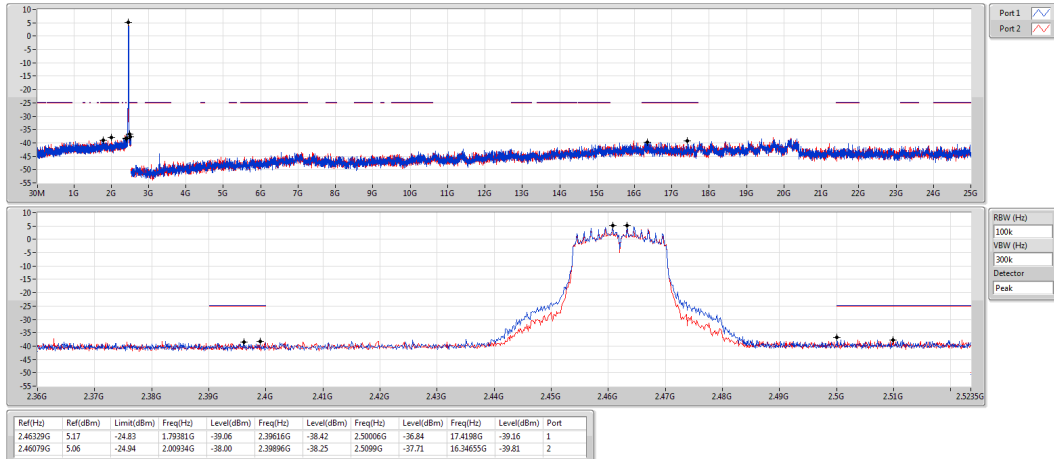
2437MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

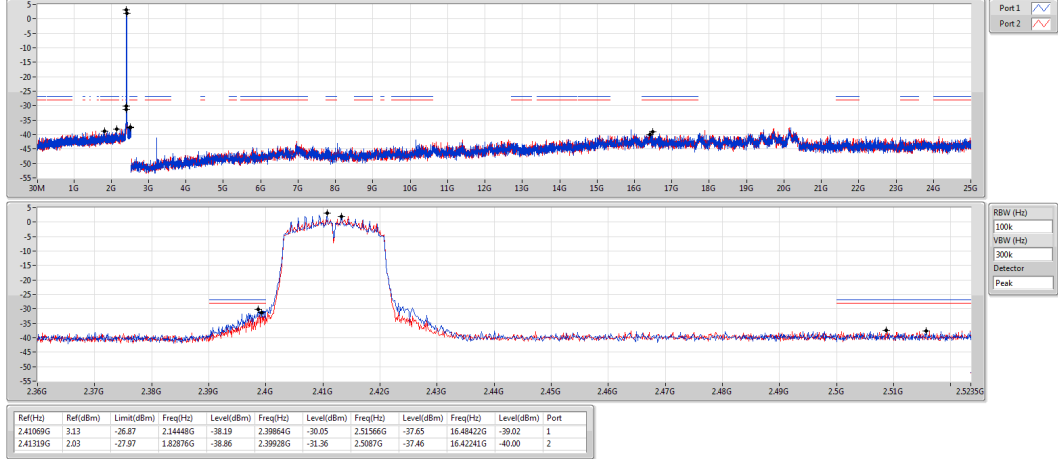
2462MHz



802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

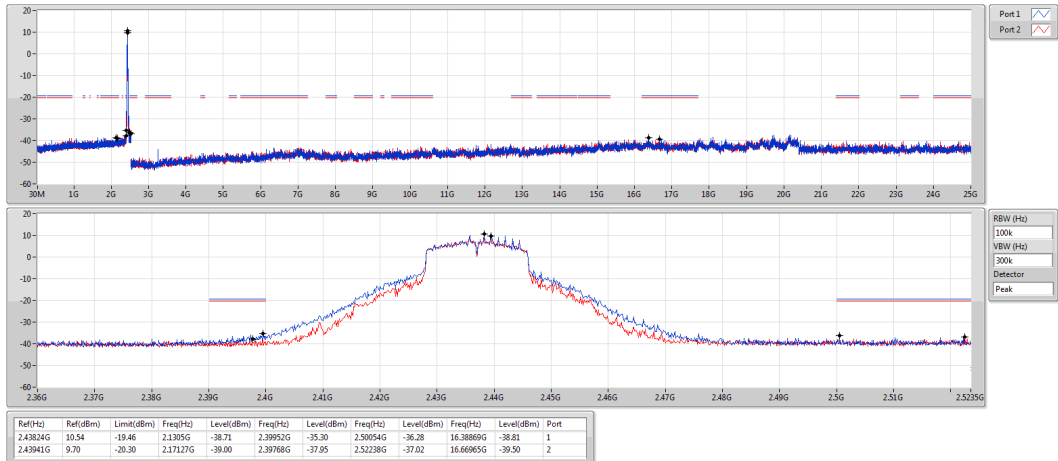
2412MHz



802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

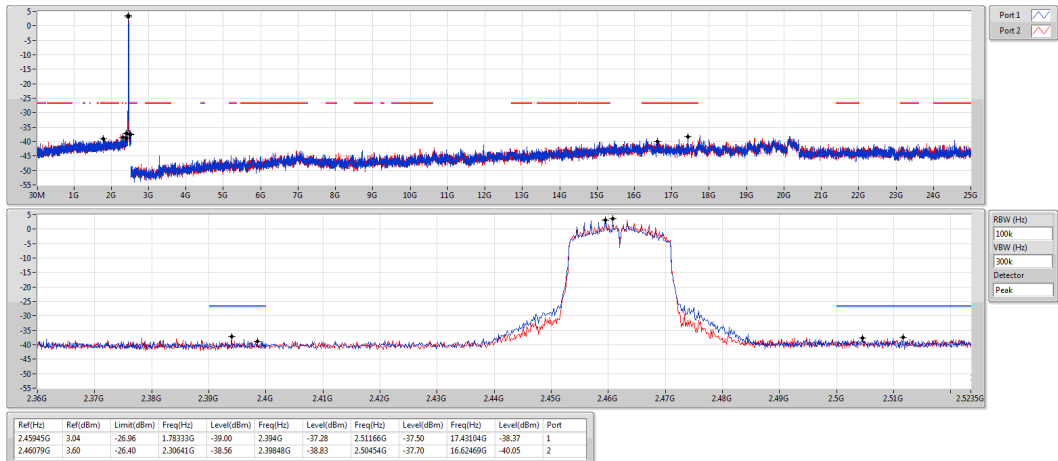
2437MHz



802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

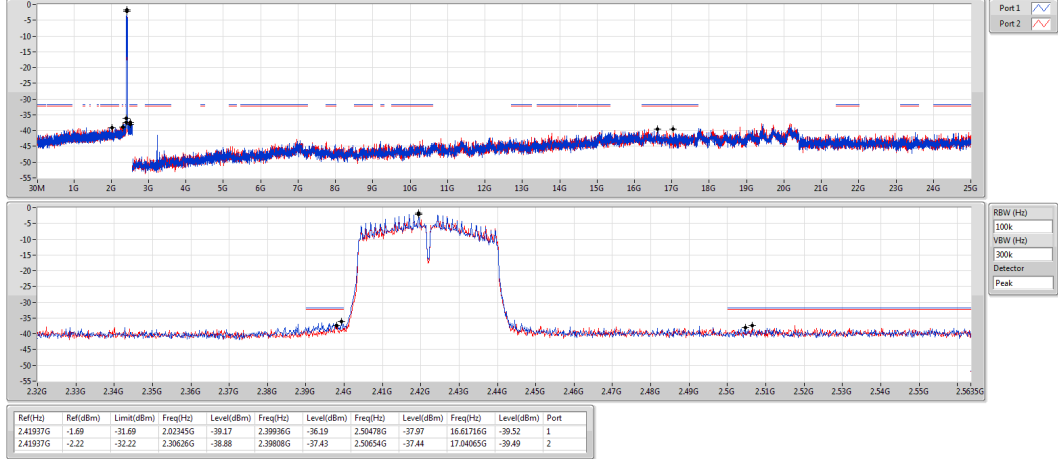
2462MHz



802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

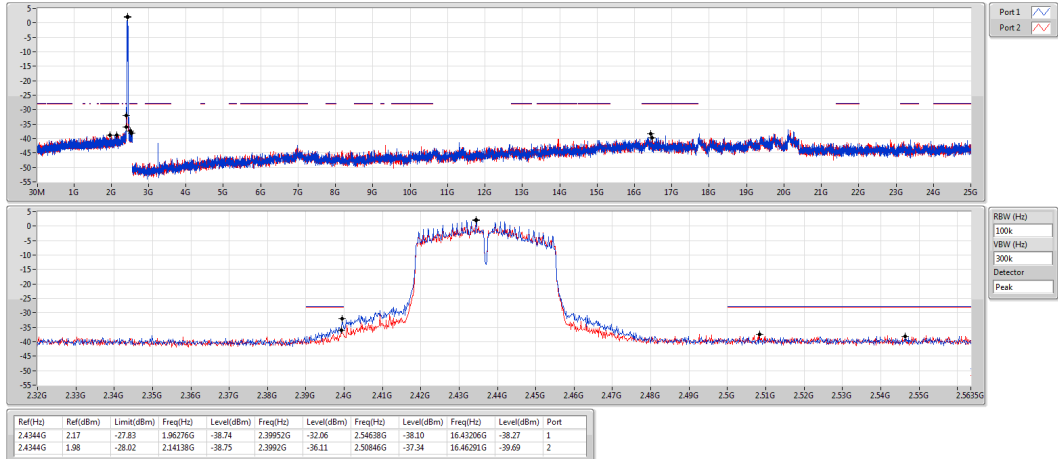
2422MHz



802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

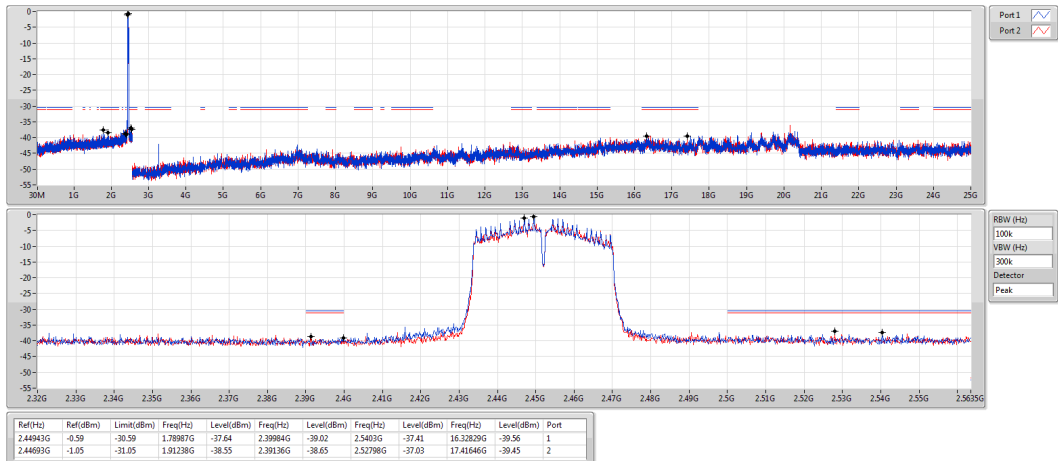
2437MHz



802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2452MHz



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 Corp (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

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Kou District, New Taipei City,
Taiwan, R.O.C.

Kwei Shan

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No. 3-1, Lane 6, Wen San 3rd St.,
Kwei Shan District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C.

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

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==