

FCC Test Report

Product Name	MOXA IEEE 802.11b/g/n 4*4 module
Model No	WAPN010
FCC ID.	SLE-WAPN010

Applicant	MOXA Inc.
Address	FL.4, NO. 135. LANE 235, BAOQIAO RD. XINDIAN DIST., NEW TAIPEI CITY, TAIWAN

Date of Receipt	Mar. 29, 2018
Issue Date	July 23, 2018
Report No.	1830443R-RFUSP28V00
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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Test Report

Issue Date: July 23, 2018

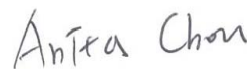
Report No.: 1830443R-RFUSP28V00



Product Name	MOXA IEEE 802.11b/g/n 4*4 module
Applicant	MOXA Inc.
Address	FL.4, NO. 135. LANE 235, BAOQIAO RD. XINDIAN DIST., NEW TAIPEI CITY, TAIWAN
Manufacturer	MOXA Inc.
Model No.	WAPN010
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	AC 120V/60Hz
Trade Name	MOXA
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2017 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 558074 D01 DTS Meas Guidance v04
Test Result	Complied

Documented By

:



(Senior Engineering Adm. Specialist / Anita Chou)

Tested By

:



(Engineer / Sam Hsu)

Approved By

:



(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	MOXA IEEE 802.11b/g/n 4*4 module
Trade Name	MOXA
Model No.	WAPN010
FCC ID.	VTV-RF-WKD
Frequency Range	802.11b/g/n-20MHz:2412-2462MHz,802.11n-40MHz:2422-2452MHz
Number of Channels	802.11b/g/n-20MHz: 11, n-40MHz: 7
Data Speed	802.11b: 1-11Mbps, 802.11a/g: 6-54Mbps, 802.11n: up to 600Mbps
Type of Modulation	802.11b:DSSS, DBPSK, DQPSK, CCK 802.11g/n: OFDM, BPSK, QPSK, 16QAM, 64QAM
Antenna Type	Panel Antenna, Omni-directional Antenna, Railway Antenna, Sector Antenna, Patch Antenna
Antenna Gain	Refer to the table "Antenna List"
Channel Control	Auto

Antenna List:

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	MOXA	MAT-WDB-PA-NF-2-0708	Panel	7.63 dBi For 2.4GHz
2	MOXA	ANT-WSB-PNF-18	Panel	18 dBi For 2.4GHz
3	MOXA	WI25-A1-0810012-RG316	Panel	8.5dBi For 2.4GHz
4	MOXA	ANT-WSB-PNF-12	Panel	12dBi For 2.4GHz
5	MOXA	ANT-WDB-PNF-1518	Panel	15dBi For 2.4GHz
6	MOXA	ANT-WDB-ARM-0202	Omni-directional	1.8dBi For 2.4GHz
7	MOXA	ANT-WSB-ANF-09	Omni-directional	9dBi For 2.4GHz
8	MOXA	MAT-WDB-CA-RM-2-0205	Omni-directional	2.5dBi For 2.4GHz
9	MOXA	MAT-WDB-DA-RM-2-0203-1m	Omni-directional	2.43dBi For 2.4GHz
10	MOXA	ANT-WDB-ANM-0306	Omni-directional	3.8dBi For 2.4GHz
11	MOXA	ANT-WSB-AHRM-05-1.5m BK	Omni-directional	5.01dBi For 2.4GHz
12	MOXA	ANT-WDB-ARM-02	Omni-directional	2.04dBi For 2.4GHz
13	MOXA	ANT-WDB-ANM-0502	Omni-directional	4.62dBi For 2.4GHz
14	MOXA	ANT-WDB-ANM-0407	Omni-directional	4dBi For 2.4GHz
15	MOXA	ANT-WDB-ANF-0609	Omni-directional	6dBi For 2.4GHz
16	MOXA	ANT-WDB-ANM-0609	Omni-directional	6dBi For 2.4GHz
17	MOXA	MHH-A11-XX110170-X0	Railway	9dBi For 2.4GHz
18	MOXA	WI25-A1-1215053-X0	Sector	12dBi For 2.4GHz
19	MOXA	TOP 200 AMR MF-05-4	Patch	8.2dBi For 2.4GHz

Note:

- 1.Each antenna has been evaluated and only the worst case (higher gain antenna) is presented in the report.
- 2.The antenna of EUT conforms to FCC 15.203.

802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz		

802.11n-40MHz (2.4G Band) Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 03:	2422 MHz	Channel 04:	2427 MHz	Channel 05:	2432 MHz	Channel 06:	2437 MHz
Channel 07:	2442 MHz	Channel 08:	2447 MHz	Channel 09:	2452 MHz		

Note:

1. This device is an MOXA IEEE 802.11b/g/n 4*4 module with a built-in WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11b is 1Mbps 、802.11g is 6Mbps 、802.11n(20M-BW) is 28.8Mbps and, 802.11n(40M-BW) is 60Mbps).
4. At result of pretests, module supports dual-channel transmission, only the worst case is shown in the report. (802.11b is chain A, 802.11g is chain A)
5. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.
6. The radiation measurements are performed in high gain and different antenna type . Only the worst case is shown in the report.

Test Mode:	Mode 1: Transmit (802.11b 1Mbps)
	Mode 2: Transmit (802.11g 6Mbps)
	Mode 3: Transmit (802.11n-20BW_28.8Mbps)
	Mode 4: Transmit (802.11n-40BW_60Mbps)

Summary of Test Item

Test Condition			Test Item					
			Conducted				Radiated Emission	
Antenna No.	Antenna Type	Antenna Gain (dBi)	Conducted Power	Power Density	Occupied Bandwidth	Conducted Emission (20dBc)	Radiated Emission	Band Edge
1	Panel	7.63	✓	✓	✓	✓		
2	Panel	18	✓				✓	✓
3	Panel	8.5	✓					
4	Panel	12	✓					
5	Panel	15	✓					
6	Omni	1.8	✓	✓	✓	✓		
7	Omni	9	✓				✓	✓
8	Omni	2.5	✓					
9	Omni	2.43	✓					
10	Omni	3.8	✓					
11	Omni	5.01	✓					
12	Omni	2.04	✓					
13	Omni	4.62	✓					
14	Omni	4	✓					
15	Omni	6	✓					
16	Omni	6	✓					
17	Railway	9	✓	✓	✓	✓	✓	✓
18	Sector	12	✓	✓	✓	✓	✓	✓
19	Patch	8.2	✓	✓	✓	✓	✓	✓

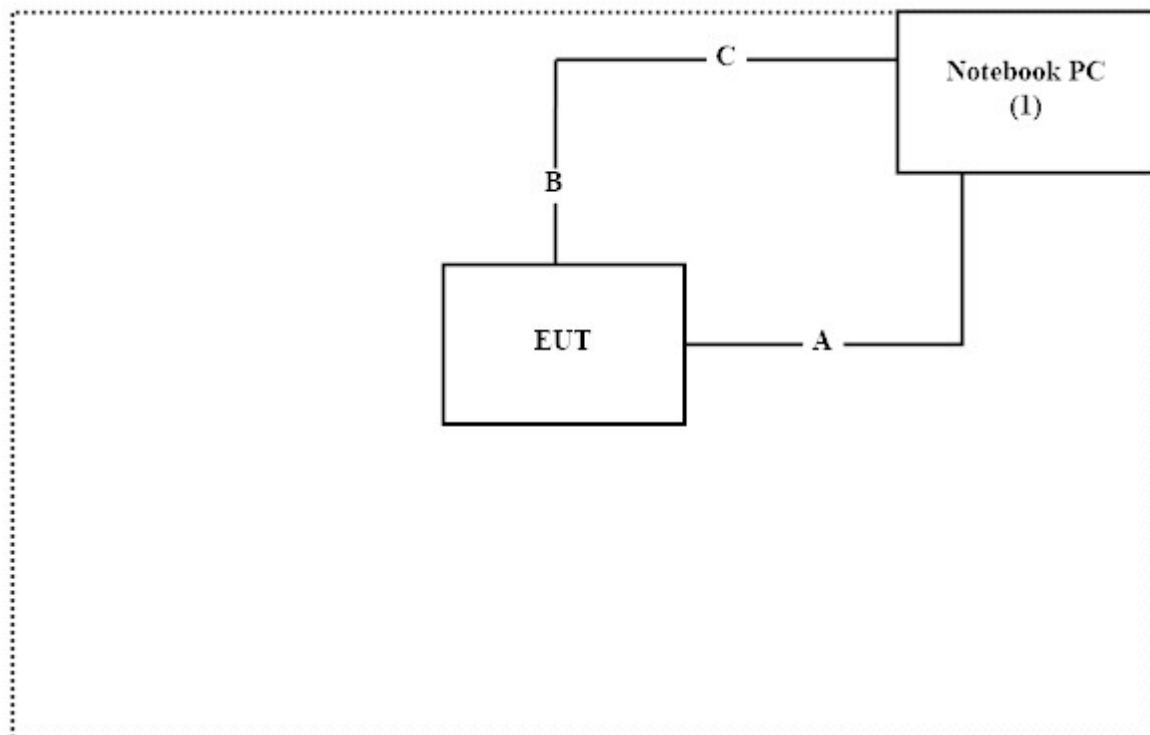
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
(1) Notebook PC	DELL	Latitude 5580	2HRD7H2	Non-Shielded, 0.8m

Signal Cable Type	Signal cable Description
A LAN Cable	Non-Shielded, 1.9m
B Sign Cable	Shielded, 1.6m
C RS232 to USB Cable	Non-Shielded, 0.5m

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown on 1.4
- (2) Execute “QRCT Ver. 3.0.210.0” program on the Notebook PC.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Start the continuous transmission.
- (5) Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

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Site Description: Accredited by TAF
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FCC Accreditation Number: TW3023

1.7. List of Test Equipment

For Conducted measurements /CB3/SR8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
	Temperature Chamber	WIT GROUP	TH-1S-B	EQ-201-00146	2018/2/12	2019/2/11
X	Spectrum Analyzer	Agilent	N9010A	MY48030495	2017/10/13	2018/10/12
X	Peak Power Analyzer	Keysight	8990B	MY51000410	2018/7/19	2019/7/18
X	Wideband Power Sensor	Keysight	N1923A	MY56080003	2018/7/6	2019/7/5
X	Wideband Power Sensor	Keysight	N1923A	MY56080004	2018/7/6	2019/7/5
X	EMI Test Receiver	R&S	ESCS 30	100369	2017/11/7	2018/11/6
X	LISN	R&S	ESH3-Z5	836679/017	2018/2/9	2019/2/8
X	LISN	R&S	ENV216	100097	2018/2/9	2019/2/8
X	Coaxial Cable	DEKRA	RG 400	LC018-RG	2018/6/22	2019/6/21

For Radiated measurements /Site3/CB8

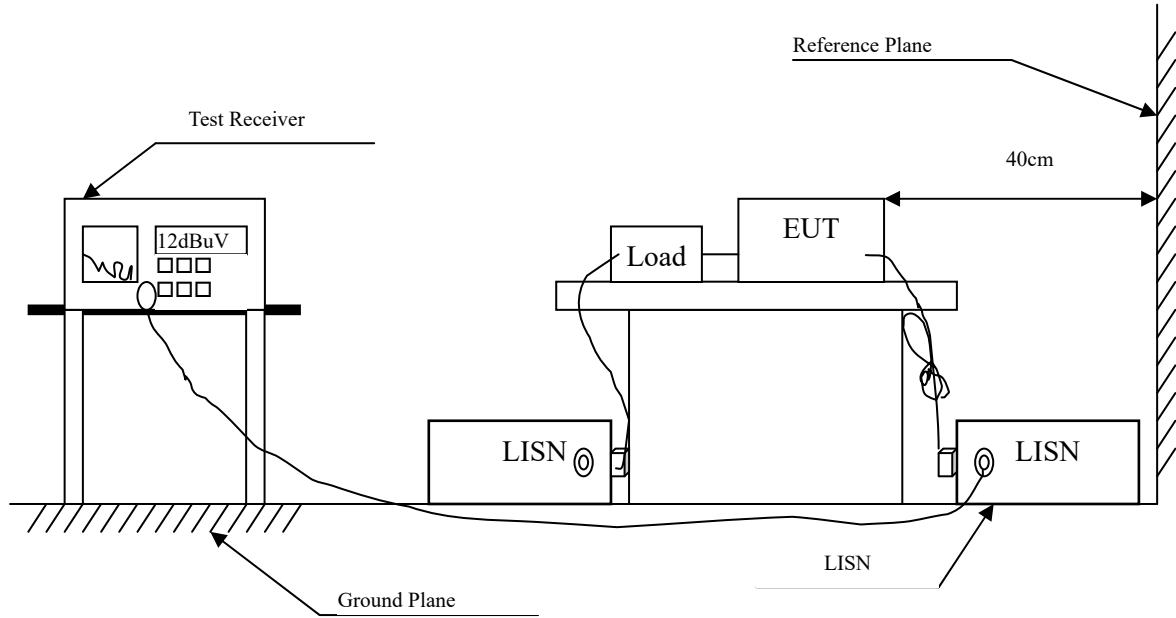
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
X	Spectrum Analyzer	R&S	FSP40	100170	2018/3/12	2019/3/11
X	Loop Antenna	Teseq	HLA6121	37133	2017/10/13	2018/10/12
X	Bilog Antenna	Schaffner Chase	CBL6112B	2707	2018/6/25	2019/6/24
X	Coaxial Cable	DEKRA	RG 214	LC003-RG	2018/6/15	2019/6/14
X	Pre-Amplifier	Jet-Power	JPA-10M1G33	170101000330010	2018/7/19	2019/7/18
X	Horn Antenna	ETS-Lindgren	3117	00135205	2018/5/3	2019/5/2
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2018/4/10	2019/4/9
X	Coaxial Cable	QuieTek	SF-106	LC035/37/41-SF LC038-SF , LC037-SF	2018/6/21	2019/6/20
X	Amplifier + Cable	EMCI	EMC184045SE	980370	2018/3/21	2019/3/20
X	Horn Antenna	Com-Power	AH-840	101043	2018/1/9	2019/1/8
X	Filter	MicroTRON	BRM50701	019	2017/11/21	2018/11/20
X	Filter	Microwave Circuits	N0257881	36681	2018/1/22	2019/1/21

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version :QuieTek EMI 2.0 V2.1.113.

2. Conducted Emission

2.1. Test Setup



2.2. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit		
Frequency MHz	Limits	
	QP	AVG
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.4. Uncertainty

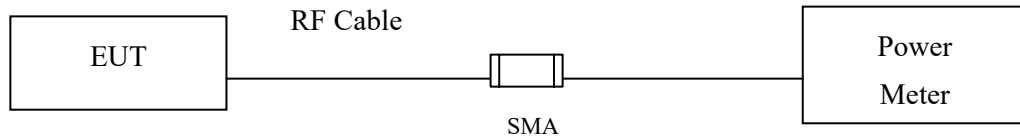
± 2.26 dB

2.5. Test Result of Conducted Emission

Owing to the DC operation of EUT, this test item is not performed.

3. Maximum Conducted Power

3.1. Test Setup



3.2. Limits

The maximum average power shall be less 1 Watt. (Section 15.247 (b)(3))

3.3. Test Procedure

Tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using KDB 558074 section 9.1.3 PKPM1 Peak power meter method.

3.4. Uncertainty

± 1.19 dB

3.5. Test Result of Maximum Conducted Power

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.1)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	24.69	--	--	--	27.01	<30dBm	Pass
06	2437	24.55	24.47	24.41	24.33	26.86	<30dBm	Pass
11	2462	24.7	--	--	--	26.42	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	24.6	--	--	--	26.9	<30dBm	Pass
06	2437	24.43	24.35	24.27	24.2	26.78	<30dBm	Pass
11	2462	24.61	--	--	--	26.31	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.61	--	--	--	26.94	<30dBm	Pass
06	2437	24.46	24.41	24.35	24.3	26.77	<30dBm	Pass
11	2462	24.58	--	--	--	26.28	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.59	--	--	--	26.9	<30dBm	Pass
06	2437	24.42	24.34	24.25	24.19	26.79	<30dBm	Pass
11	2462	24.58	--	--	--	26.34	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.1)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.94	--	--	--	--	--	--	--	28.66	<30dBm	Pass
06	2437	24.83	24.76	24.69	24.61	24.55	24.48	24.42	24.36	28.24	<30dBm	Pass
11	2462	24.62	--	--	--	--	--	--	--	27.96	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.84	--	--	--	--	--	--	--	28.53	<30dBm	Pass
06	2437	24.78	24.69	24.62	24.52	24.45	24.39	24.31	24.26	28.13	<30dBm	Pass
11	2462	24.47	--	--	--	--	--	--	--	27.84	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.79	--	--	--	--	--	--	--	28.59	<30dBm	Pass
06	2437	24.77	24.67	24.61	24.52	24.47	24.42	24.33	24.23	28.09	<30dBm	Pass
11	2462	24.67	--	--	--	--	--	--	--	27.86	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.88	--	--	--	--	--	--	--	28.53	<30dBm	Pass
06	2437	24.77	24.72	24.65	24.56	24.49	24.41	24.33	24.25	28.13	<30dBm	Pass
11	2462	24.48	--	--	--	--	--	--	--	27.88	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.1)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.49	--	--	--	--	--	--	--	23.58
06	2437	14.49	14.41	14.35	14.28	14.22	14.15	14.09	14.01	23.4
11	2462	13.86	--	--	--	--	--	--	--	23.02

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.15	--	--	--	--	--	--	--	22.81
06	2437	13.5	13.45	13.37	13.31	13.24	13.15	13.09	13.02	22.64
11	2462	13.2	--	--	--	--	--	--	--	22.99

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.57	--	--	--	--	--	--	--	22.93
06	2437	13.76	13.7	13.62	13.56	13.48	13.41	13.34	13.26	23.13
11	2462	13.73	--	--	--	--	--	--	--	23.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.65	--	--	--	--	--	--	--	23.66
06	2437	13.72	13.65	13.56	13.59	13.51	13.45	13.37	13.31	23.75
11	2462	13.77	--	--	--	--	--	--	--	23.56

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.58	22.81	22.93	23.66	29.28	<30dBm	Pass
6	2437	28.8	23.40	22.64	23.13	23.75	29.27	<30dBm	Pass
11	2462	28.8	23.02	22.99	23.33	23.56	29.25	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.1)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.11	--	--	--	--	--	--	--	24.13
6	2437	15.01	14.92	14.82	14.77	14.69	14.64	14.59	14.51	24.29
9	2452	14.7	--	--	--	--	--	--	--	23.83

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14	--	--	--	--	--	--	--	23.24
6	2437	14.25	14.15	14.05	13.97	13.89	13.81	13.74	13.64	23.39
9	2452	14.26	--	--	--	--	--	--	--	23.61

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.18	--	--	--	--	--	--	--	23.36
6	2437	14.21	14.15	14.08	14.02	13.94	13.87	13.78	13.72	23.45
9	2452	14.2	--	--	--	--	--	--	--	23.55

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.88	--	--	--	--	--	--	--	23.25
6	2437	14.03	13.94	13.85	13.79	13.73	13.67	13.59	13.53	23.24
9	2452	14.06	--	--	--	--	--	--	--	23.29

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.13	23.24	23.36	23.25	29.53	<30dBm	Pass
6	2437	60	24.29	23.39	23.45	23.24	29.63	<30dBm	Pass
9	2452	60	23.83	23.61	23.55	23.29	29.59	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.2)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	16.78	--	--	--	19.13	<26dBm	Pass
06	2437	23.59	23.54	23.48	23.42	25.82	<26dBm	Pass
11	2462	17.69	--	--	--	20.13	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	16.67	--	--	--	19.03	<26dBm	Pass
06	2437	23.54	23.46	23.36	23.3	25.7	<26dBm	Pass
11	2462	17.59	--	--	--	20.05	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	16.64	--	--	--	19.07	<26dBm	Pass
06	2437	23.45	23.38	23.31	23.25	25.71	<26dBm	Pass
11	2462	17.56	--	--	--	20.05	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	16.67	--	--	--	19.01	<26dBm	Pass
06	2437	23.47	23.4	23.34	23.25	25.69	<26dBm	Pass
11	2462	17.62	--	--	--	19.98	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.2)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	14.21	--	--	--	--	--	--	--	20.45	<26dBm	Pass
06	2437	20.06	19.99	19.9	19.83	19.77	19.72	19.66	19.59	25.93	<26dBm	Pass
11	2462	15.82	--	--	--	--	--	--	--	21.86	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	14.06	--	--	--	--	--	--	--	20.31	<26dBm	Pass
06	2437	19.98	19.88	19.79	19.69	19.62	19.54	19.48	19.4	25.84	<26dBm	Pass
11	2462	15.74	--	--	--	--	--	--	--	21.76	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	14.16	--	--	--	--	--	--	--	20.3	<26dBm	Pass
06	2437	19.96	19.9	19.8	19.75	19.66	19.6	19.51	19.41	25.82	<26dBm	Pass
11	2462	15.68	--	--	--	--	--	--	--	21.75	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	14.1	--	--	--	--	--	--	--	20.31	<26dBm	Pass
06	2437	19.96	19.87	19.79	19.72	19.67	19.61	19.52	19.43	25.79	<26dBm	Pass
11	2462	15.68	--	--	--	--	--	--	--	21.78	<26dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.2)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	9.13	--	--	--	--	--	--	--	18.15
06	2437	9.92	9.87	9.81	9.71	9.61	9.51	9.46	9.38	19.76
11	2462	8.45	--	--	--	--	--	--	--	17.46

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	8.34	--	--	--	--	--	--	--	17.37
06	2437	9.14	9.09	9.03	8.98	8.88	8.79	8.72	8.66	19.31
11	2462	7.49	--	--	--	--	--	--	--	16.53

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	7.97	--	--	--	--	--	--	--	17.21
06	2437	9.95	9.87	9.77	9.68	9.59	9.52	9.42	9.32	19.59
11	2462	7.96	--	--	--	--	--	--	--	17.2

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	8.93	--	--	--	--	--	--	--	18.23
06	2437	9.88	9.8	9.75	9.7	9.62	9.52	9.46	9.41	19.75
11	2462	8.03	--	--	--	--	--	--	--	17.46

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	18.15	17.37	17.21	18.23	23.78	<26dBm	Pass
6	2437	28.8	19.76	19.31	19.59	19.75	25.63	<26dBm	Pass
11	2462	28.8	17.46	16.53	17.20	17.46	23.20	<26dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.2)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	7.46	--	--	--	--	--	--	--	16.51
6	2437	11.11	11.02	10.94	10.88	10.78	10.71	10.66	10.57	20.03
9	2452	7.18	--	--	--	--	--	--	--	16.25

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	6.92	--	--	--	--	--	--	--	15.97
6	2437	10.58	10.52	10.44	10.34	10.29	10.21	10.15	10.08	19.51
9	2452	6.63	--	--	--	--	--	--	--	15.59

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	6.55	--	--	--	--	--	--	--	15.56
6	2437	10.19	10.09	10.02	9.94	9.85	9.75	9.65	9.56	19.22
9	2452	6.86	--	--	--	--	--	--	--	15.94

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	6.61	--	--	--	--	--	--	--	15.53
6	2437	10.28	10.23	10.15	10.07	10.02	9.96	9.89	9.84	19.01
9	2452	6.53	--	--	--	--	--	--	--	15.35

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	16.51	15.97	15.56	15.53	21.93	<26dBm	Pass
6	2437	60	20.03	19.51	19.22	19.01	25.48	<26dBm	Pass
9	2452	60	16.25	15.59	15.94	15.35	21.82	<26dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.3)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.67	--	--	--	27.02	<30dBm	Pass
06	2437	24.52	24.46	24.37	24.29	26.85	<30dBm	Pass
11	2462	24.65	--	--	--	26.46	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.62	--	--	--	26.93	<30dBm	Pass
06	2437	24.37	24.29	24.23	24.14	26.8	<30dBm	Pass
11	2462	24.5	--	--	--	26.39	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.59	--	--	--	26.88	<30dBm	Pass
06	2437	24.44	24.38	24.32	24.26	26.7	<30dBm	Pass
11	2462	24.58	--	--	--	26.37	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.54	--	--	--	26.94	<30dBm	Pass
06	2437	24.38	24.28	24.19	24.13	26.7	<30dBm	Pass
11	2462	24.55	--	--	--	26.32	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.3)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.94	--	--	--	--	--	--	--	28.74	<30dBm	Pass
06	2437	24.84	24.78	24.7	24.6	24.52	24.45	24.37	24.3	28.24	<30dBm	Pass
11	2462	24.59	--	--	--	--	--	--	--	27.96	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.8	--	--	--	--	--	--	--	28.6	<30dBm	Pass
06	2437	24.79	24.71	24.62	24.54	24.47	24.37	24.3	24.21	28.19	<30dBm	Pass
11	2462	24.45	--	--	--	--	--	--	--	27.84	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.83	--	--	--	--	--	--	--	28.62	<30dBm	Pass
06	2437	24.74	24.69	24.64	24.57	24.51	24.42	24.33	24.25	28.11	<30dBm	Pass
11	2462	24.47	--	--	--	--	--	--	--	27.81	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.88	--	--	--	--	--	--	--	28.63	<30dBm	Pass
06	2437	24.69	24.62	24.54	24.48	24.38	24.33	24.27	24.21	28.13	<30dBm	Pass
11	2462	24.48	--	--	--	--	--	--	--	27.84	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.3)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.47	--	--	--	--	--	--	--	23.6
06	2437	14.43	14.36	14.31	14.26	14.16	14.11	14.02	13.96	23.37
11	2462	13.92	--	--	--	--	--	--	--	23.12

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.2	--	--	--	--	--	--	--	22.75
06	2437	13.45	13.37	13.29	13.24	13.18	13.1	13.02	12.93	22.61
11	2462	13.21	--	--	--	--	--	--	--	22.94

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.58	--	--	--	--	--	--	--	22.97
06	2437	13.74	13.68	13.63	13.56	13.46	13.41	13.33	13.23	23.13
11	2462	13.77	--	--	--	--	--	--	--	23.28

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.64	--	--	--	--	--	--	--	23.67
06	2437	13.64	13.55	13.48	13.41	13.34	13.29	13.23	13.13	23.78
11	2462	13.75	--	--	--	--	--	--	--	23.53

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.60	22.75	22.97	23.67	29.29	<30dBm	Pass
6	2437	28.8	23.37	22.61	23.13	23.78	29.26	<30dBm	Pass
11	2462	28.8	23.12	22.94	23.28	23.53	29.24	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.3)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.07	--	--	--	--	--	--	--	24.07
6	2437	14.97	14.88	14.79	14.74	14.67	14.61	14.51	14.43	24.31
9	2452	14.66	--	--	--	--	--	--	--	23.75

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.04	--	--	--	--	--	--	--	23.28
6	2437	14.29	14.22	14.12	14.04	13.94	13.89	13.79	13.7	23.45
9	2452	14.3	--	--	--	--	--	--	--	23.56

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.13	--	--	--	--	--	--	--	23.27
6	2437	14.18	14.08	14.01	13.95	13.85	13.78	13.73	13.67	23.5
9	2452	14.22	--	--	--	--	--	--	--	23.54

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.92	--	--	--	--	--	--	--	23.23
6	2437	14.1	14.04	13.94	13.84	13.77	13.7	13.65	13.55	23.23
9	2452	14.07	--	--	--	--	--	--	--	23.32

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.07	23.28	23.27	23.23	29.50	<30dBm	Pass
6	2437	60	24.31	23.45	23.50	23.23	29.66	<30dBm	Pass
9	2452	60	23.75	23.56	23.54	23.32	29.57	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.4)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.65	--	--	--	25.07	<28dBm	Pass
06	2437	24.55	24.5	24.41	24.32	26.78	<28dBm	Pass
11	2462	23.6	--	--	--	25.91	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.51	--	--	--	24.99	<28dBm	Pass
06	2437	24.43	24.36	24.27	24.21	26.65	<28dBm	Pass
11	2462	23.45	--	--	--	25.8	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.59	--	--	--	24.95	<28dBm	Pass
06	2437	24.48	24.39	24.34	24.26	26.7	<28dBm	Pass
11	2462	23.53	--	--	--	25.79	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.53	--	--	--	24.95	<28dBm	Pass
06	2437	24.48	24.4	24.31	24.26	26.67	<28dBm	Pass
11	2462	23.5	--	--	--	25.82	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.4)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.61	--	--	--	--	--	--	--	26.44	<28dBm	Pass
06	2437	22.11	22.03	21.98	21.92	21.85	21.77	21.69	21.6	27.82	<28dBm	Pass
11	2462	21.43	--	--	--	--	--	--	--	27.36	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.56	--	--	--	--	--	--	--	26.37	<28dBm	Pass
06	2437	22.04	21.98	21.9	21.83	21.74	21.67	21.61	21.53	27.67	<28dBm	Pass
11	2462	21.38	--	--	--	--	--	--	--	27.27	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.5	--	--	--	--	--	--	--	26.33	<28dBm	Pass
06	2437	22.04	21.96	21.88	21.79	21.71	21.66	21.59	21.51	27.75	<28dBm	Pass
11	2462	21.28	--	--	--	--	--	--	--	27.22	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.47	--	--	--	--	--	--	--	26.29	<28dBm	Pass
06	2437	21.98	21.88	21.83	21.73	21.65	21.6	21.53	21.44	27.68	<28dBm	Pass
11	2462	21.37	--	--	--	--	--	--	--	27.26	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.4)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.93	--	--	--	--	--	--	--	22.31
06	2437	13	12.92	12.82	12.75	12.66	12.56	12.47	12.4	22.29
11	2462	12.85	--	--	--	--	--	--	--	22.19

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	11.67	--	--	--	--	--	--	--	19.78
06	2437	11.87	11.8	11.7	11.64	11.58	11.49	11.44	11.34	20.07
11	2462	12.25	--	--	--	--	--	--	--	20.45

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.2	--	--	--	--	--	--	--	22.2
06	2437	12.23	12.14	12.06	12	11.94	11.88	11.82	11.77	22.16
11	2462	12.8	--	--	--	--	--	--	--	22.35

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	12.41	--	--	--	--	--	--	--	22.59
06	2437	12.31	12.24	12.16	12.07	11.97	11.91	11.86	11.81	22.32
11	2462	12.8	--	--	--	--	--	--	--	22.52

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	22.31	19.78	22.20	22.59	27.87	<28dBm	Pass
6	2437	28.8	22.29	20.07	22.16	22.32	27.83	<28dBm	Pass
11	2462	28.8	22.19	20.45	22.35	22.52	27.97	<28dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.4)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	13.1	--	--	--	--	--	--	--	22.16
6	2437	12.95	12.88	12.83	12.77	12.7	12.65	12.6	12.53	22.07
9	2452	12.49	--	--	--	--	--	--	--	21.66

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	12.26	--	--	--	--	--	--	--	20.14
6	2437	12.44	12.39	12.34	12.24	12.14	12.05	12	11.95	20.2
9	2452	12.37	--	--	--	--	--	--	--	20.42

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	13	--	--	--	--	--	--	--	22.25
6	2437	12.08	12.01	11.94	11.89	11.82	11.73	11.68	11.58	22.11
9	2452	12.05	--	--	--	--	--	--	--	22.02

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	12.99	--	--	--	--	--	--	--	21.96
6	2437	12.06	11.99	11.9	11.83	11.76	11.69	11.64	11.54	22.73
9	2452	11.86	--	--	--	--	--	--	--	21.68

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	22.16	20.14	22.25	21.96	27.73	<28dBm	Pass
6	2437	60	22.07	20.20	22.11	22.73	27.89	<28dBm	Pass
9	2452	60	21.66	20.42	22.02	21.68	27.51	<28dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.5)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	19.21	--	--	--	21.6	<27dBm	Pass
06	2437	24.63	24.57	24.49	24.4	26.87	<27dBm	Pass
11	2462	20.6	--	--	--	23	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	19.13	--	--	--	21.54	<27dBm	Pass
06	2437	24.54	24.45	24.36	24.27	26.76	<27dBm	Pass
11	2462	20.53	--	--	--	22.88	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	19.13	--	--	--	21.47	<27dBm	Pass
06	2437	24.49	24.44	24.37	24.29	26.72	<27dBm	Pass
11	2462	20.48	--	--	--	22.9	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	19.09	--	--	--	21.53	<27dBm	Pass
06	2437	24.51	24.41	24.31	24.24	26.79	<27dBm	Pass
11	2462	20.49	--	--	--	22.93	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.5)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	17.35	--	--	--	--	--	--	--	23.33	<27dBm	Pass
06	2437	20.85	20.8	20.72	20.65	20.58	20.48	20.43	20.33	26.91	<27dBm	Pass
11	2462	18.85	--	--	--	--	--	--	--	24.72	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak	Required Limit	Result
		For different Data Rate (Mbps)								Power		
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	17.25	--	--	--	--	--	--	--	23.18	<27dBm	Pass
06	2437	20.77	20.71	20.61	20.54	20.44	20.34	20.25	20.17	26.76	<27dBm	Pass
11	2462	18.8	--	--	--	--	--	--	--	24.62	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	17.21	--	--	--	--	--	--	--	23.19	<27dBm	Pass
06	2437	20.7	20.65	20.57	20.51	20.42	20.35	20.3	20.22	26.85	<27dBm	Pass
11	2462	18.75	--	--	--	--	--	--	--	24.67	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	17.23	--	--	--	--	--	--	--	23.2	<27dBm	Pass
06	2437	20.76	20.67	20.62	20.56	20.51	20.42	20.33	20.26	26.81	<27dBm	Pass
11	2462	18.78	--	--	--	--	--	--	--	24.66	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.5)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	11.93	--	--	--	--	--	--	--	21
06	2437	12.02	11.94	11.85	11.75	11.7	11.6	11.55	11.45	20.99
11	2462	11.21	--	--	--	--	--	--	--	20.22

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	10.84	--	--	--	--	--	--	--	19.79
06	2437	11.19	11.11	11.04	10.94	10.84	10.75	10.68	10.59	20.2
11	2462	10.72	--	--	--	--	--	--	--	19.63

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	10.9	--	--	--	--	--	--	--	19.97
06	2437	11.06	10.97	10.89	10.8	10.72	10.67	10.61	10.56	20.26
11	2462	11.11	--	--	--	--	--	--	--	20.29

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	11.23	--	--	--	--	--	--	--	20.4
06	2437	11.32	11.27	11.18	11.13	11.08	10.99	10.94	10.85	20.67
11	2462	11.2	--	--	--	--	--	--	--	20.5

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.4	21.00	19.79	19.97	20.40	26.34	<27dBm	Pass
6	2437	28.4	20.99	20.20	20.26	20.67	26.56	<27dBm	Pass
11	2462	28.4	20.22	19.63	20.29	20.50	26.19	<27dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.5)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	10.56	--	--	--	--	--	--	--	19.54
6	2437	12.5	12.41	12.32	12.24	12.17	12.07	12.02	11.97	21.5
9	2452	10	--	--	--	--	--	--	--	19.11

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	9.89	--	--	--	--	--	--	--	19.01
6	2437	12.02	11.97	11.92	11.85	11.79	11.71	11.62	11.56	20.83
9	2452	9.93	--	--	--	--	--	--	--	18.87

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	9.29	--	--	--	--	--	--	--	18.27
6	2437	11.53	11.44	11.35	11.25	11.19	11.1	11.03	10.95	20.49
9	2452	9.6	--	--	--	--	--	--	--	18.61

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	9.5	--	--	--	--	--	--	--	18.21
6	2437	11.5	11.4	11.33	11.23	11.18	11.1	11.03	10.98	20.38
9	2452	9.63	--	--	--	--	--	--	--	18.29

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	19.54	19.01	18.27	18.21	24.81	<27dBm	Pass
6	2437	60	21.50	20.83	20.49	20.38	26.84	<27dBm	Pass
9	2452	60	19.11	18.87	18.61	18.29	24.75	<27dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.6)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.75	--	--	--	27.08	<30dBm	Pass
06	2437	24.58	24.5	24.42	24.36	26.82	<30dBm	Pass
11	2462	24.66	--	--	--	26.54	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.67	--	--	--	26.96	<30dBm	Pass
06	2437	24.48	24.41	24.33	24.27	26.74	<30dBm	Pass
11	2462	24.6	--	--	--	26.47	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.67	--	--	--	27.03	<30dBm	Pass
06	2437	24.45	24.4	24.3	24.21	26.71	<30dBm	Pass
11	2462	24.58	--	--	--	26.42	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	24.64	--	--	--	26.97	<30dBm	Pass
06	2437	24.48	24.38	24.31	24.23	26.67	<30dBm	Pass
11	2462	24.51	--	--	--	26.4	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.6)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	24.87	--	--	--	--	--	--	--	28.62	<30dBm	Pass
06	2437	24.9	24.85	24.75	24.67	24.62	24.54	24.44	24.35	28.18	<30dBm	Pass
11	2462	24.69	--	--	--	--	--	--	--	27.96	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	24.79	--	--	--	--	--	--	--	28.16	<30dBm	Pass
06	2437	24.83	24.78	24.73	24.68	24.63	24.57	24.51	24.42	28.12	<30dBm	Pass
11	2462	24.58	--	--	--	--	--	--	--	27.9	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.75	--	--	--	--	--	--	--	28.56	<30dBm	Pass
06	2437	24.85	24.79	24.7	24.6	24.53	24.45	24.37	24.32	28.08	<30dBm	Pass
11	2462	24.61	--	--	--	--	--	--	--	27.88	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	24.79	--	--	--	--	--	--	--	28.55	<30dBm	Pass
06	2437	24.83	24.75	24.68	24.6	24.53	24.43	24.34	24.25	28.03	<30dBm	Pass
11	2462	24.57	--	--	--	--	--	--	--	27.9	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.6)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.46	--	--	--	--	--	--	--	23.62
06	2437	14.46	14.39	14.34	14.26	14.2	14.1	14	13.92	23.38
11	2462	13.87	--	--	--	--	--	--	--	23.07

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.19	--	--	--	--	--	--	--	22.77
06	2437	13.47	13.4	13.3	13.22	13.14	13.04	12.98	12.91	22.59
11	2462	13.17	--	--	--	--	--	--	--	22.98

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.61	--	--	--	--	--	--	--	22.96
06	2437	13.78	13.68	13.59	13.51	13.43	13.38	13.33	13.27	23.11
11	2462	13.77	--	--	--	--	--	--	--	23.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.67	--	--	--	--	--	--	--	23.68
06	2437	13.69	13.6	13.5	13.41	13.33	13.25	13.2	13.1	23.79
11	2462	13.78	--	--	--	--	--	--	--	23.56

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.62	22.77	22.96	23.68	29.30	<30dBm	Pass
6	2437	28.8	23.38	22.59	23.11	23.79	29.26	<30dBm	Pass
11	2462	28.8	23.07	22.98	23.33	23.56	29.26	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.6)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.06	--	--	--	--	--	--	--	24.12
6	2437	15.01	14.94	14.85	14.78	14.68	14.61	14.53	14.45	24.28
9	2452	14.68	--	--	--	--	--	--	--	23.78

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.03	--	--	--	--	--	--	--	23.29
6	2437	14.26	14.16	14.07	14.01	13.95	13.9	13.85	13.75	23.41
9	2452	14.29	--	--	--	--	--	--	--	23.61

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.13	--	--	--	--	--	--	--	23.32
6	2437	14.17	14.12	14.03	13.95	13.9	13.84	13.76	13.71	23.48
9	2452	14.19	--	--	--	--	--	--	--	23.56

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.89	--	--	--	--	--	--	--	23.26
6	2437	14.06	14.01	13.91	13.85	13.79	13.69	13.63	13.53	23.21
9	2452	14.04	--	--	--	--	--	--	--	23.3

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.12	23.29	23.32	23.26	29.53	<30dBm	Pass
6	2437	60	24.28	23.41	23.48	23.21	29.64	<30dBm	Pass
9	2452	60	23.78	23.61	23.56	23.30	29.59	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.7)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.25	--	--	--	24.62	<27dBm	Pass
06	2437	22.19	22.14	22.09	22.01	24.53	<27dBm	Pass
11	2462	22.64	--	--	--	25	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.18	--	--	--	24.52	<27dBm	Pass
06	2437	22.13	22.07	21.99	21.89	24.47	<27dBm	Pass
11	2462	22.51	--	--	--	24.88	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.12	--	--	--	24.54	<27dBm	Pass
06	2437	22.05	21.99	21.94	21.86	24.39	<27dBm	Pass
11	2462	22.59	--	--	--	24.94	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	22.19	--	--	--	24.53	<27dBm	Pass
06	2437	22.14	22.09	22.01	21.91	24.46	<27dBm	Pass
11	2462	22.51	--	--	--	24.92	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.7)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.88	--	--	--	--	--	--	--	26.85	<27dBm	Pass
06	2437	20.87	20.77	20.68	20.63	20.57	20.47	20.39	20.32	26.77	<27dBm	Pass
11	2462	20.87	--	--	--	--	--	--	--	26.75	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	20.74	--	--	--	--	--	--	--	26.7	<27dBm	Pass
06	2437	20.74	20.65	20.58	20.53	20.48	20.41	20.34	20.29	26.72	<27dBm	Pass
11	2462	20.74	--	--	--	--	--	--	--	26.64	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.77	--	--	--	--	--	--	--	26.74	<27dBm	Pass
06	2437	20.78	20.71	20.61	20.56	20.5	20.45	20.36	20.27	26.71	<27dBm	Pass
11	2462	20.73	--	--	--	--	--	--	--	26.62	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	20.73	--	--	--	--	--	--	--	26.77	<27dBm	Pass
06	2437	20.78	20.7	20.64	20.59	20.49	20.44	20.36	20.28	26.62	<27dBm	Pass
11	2462	20.82	--	--	--	--	--	--	--	26.7	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.7)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	11.94	--	--	--	--	--	--	--	20.95
06	2437	11.99	11.93	11.83	11.75	11.66	11.6	11.51	11.44	20.98
11	2462	11.31	--	--	--	--	--	--	--	20.36

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	10.82	--	--	--	--	--	--	--	19.82
06	2437	11.14	11.04	10.96	10.88	10.78	10.71	10.66	10.61	20.16
11	2462	10.83	--	--	--	--	--	--	--	19.72

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	10.93	--	--	--	--	--	--	--	19.96
06	2437	11.09	11.03	10.95	10.86	10.78	10.72	10.64	10.58	20.25
11	2462	11.22	--	--	--	--	--	--	--	20.35

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	11.18	--	--	--	--	--	--	--	20.44
06	2437	11.29	11.19	11.13	11.04	10.99	10.92	10.84	10.75	20.68
11	2462	11.28	--	--	--	--	--	--	--	20.62

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	20.95	19.82	19.96	20.44	26.34	<27dBm	Pass
6	2437	28.8	20.98	20.16	20.25	20.68	26.55	<27dBm	Pass
11	2462	28.8	20.36	19.72	20.35	20.62	26.30	<27dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.7)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	11.57	--	--	--	--	--	--	--	20.57
6	2437	12.51	12.42	12.33	12.27	12.22	12.12	12.05	11.96	21.53
9	2452	11.13	--	--	--	--	--	--	--	20.19

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	10.91	--	--	--	--	--	--	--	20.01
6	2437	12.06	11.99	11.92	11.82	11.73	11.63	11.58	11.51	20.87
9	2452	11.06	--	--	--	--	--	--	--	20.01

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	10.33	--	--	--	--	--	--	--	19.32
6	2437	11.49	11.41	11.35	11.27	11.2	11.13	11.08	10.99	20.47
9	2452	10.73	--	--	--	--	--	--	--	19.69

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	10.51	--	--	--	--	--	--	--	19.26
6	2437	11.54	11.49	11.4	11.33	11.27	11.17	11.1	11.03	20.35
9	2452	10.7	--	--	--	--	--	--	--	19.44

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	20.57	20.01	19.32	19.26	25.84	<27dBm	Pass
6	2437	60	21.53	20.87	20.47	20.35	26.85	<27dBm	Pass
9	2452	60	20.19	20.01	19.69	19.44	25.86	<27dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.8)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.67	--	--	--	27.04	<30dBm	Pass
06	2437	24.59	24.5	24.45	24.35	26.82	<30dBm	Pass
11	2462	24.62	--	--	--	26.51	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.56	--	--	--	26.93	<30dBm	Pass
06	2437	24.54	24.47	24.42	24.35	26.71	<30dBm	Pass
11	2462	24.55	--	--	--	26.45	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.55	--	--	--	26.89	<30dBm	Pass
06	2437	24.49	24.39	24.31	24.23	26.67	<30dBm	Pass
11	2462	24.53	--	--	--	26.38	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.56	--	--	--	26.94	<30dBm	Pass
06	2437	24.45	24.4	24.33	24.25	26.68	<30dBm	Pass
11	2462	24.59	--	--	--	26.39	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.8)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.89	--	--	--	--	--	--	--	28.69	<30dBm	Pass
06	2437	24.85	24.8	24.72	24.67	24.59	24.54	24.49	24.42	28.27	<30dBm	Pass
11	2462	24.64	--	--	--	--	--	--	--	27.97	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.94	--	--	--	--	--	--	--	28.66	<30dBm	Pass
06	2437	24.83	24.76	24.69	24.61	24.55	24.48	24.42	24.36	28.24	<30dBm	Pass
11	2462	24.62	--	--	--	--	--	--	--	27.96	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.78	--	--	--	--	--	--	--	28.58	<30dBm	Pass
06	2437	24.8	24.75	24.68	24.63	24.53	24.45	24.35	24.3	28.19	<30dBm	Pass
11	2462	24.56	--	--	--	--	--	--	--	27.9	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.79	--	--	--	--	--	--	--	28.58	<30dBm	Pass
06	2437	24.74	24.68	24.63	24.54	24.49	24.43	24.34	24.28	28.21	<30dBm	Pass
11	2462	24.59	--	--	--	--	--	--	--	27.82	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.8)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.48	--	--	--	--	--	--	--	23.61
06	2437	14.48	14.38	14.29	14.23	14.18	14.11	14.06	14.01	23.42
11	2462	13.85	--	--	--	--	--	--	--	23.16

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.17	--	--	--	--	--	--	--	22.74
06	2437	13.49	13.41	13.32	13.22	13.12	13.07	13.02	12.92	22.53
11	2462	13.21	--	--	--	--	--	--	--	23.03

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.66	--	--	--	--	--	--	--	22.97
06	2437	13.85	13.79	13.69	13.59	13.53	13.46	13.39	13.33	23.06
11	2462	13.76	--	--	--	--	--	--	--	23.28

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.68	--	--	--	--	--	--	--	23.68
06	2437	13.71	13.62	13.52	13.46	13.38	13.31	13.24	13.14	23.73
11	2462	13.69	--	--	--	--	--	--	--	23.51

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.61	22.74	22.97	23.68	29.29	<30dBm	Pass
6	2437	28.8	23.42	22.53	23.06	23.73	29.23	<30dBm	Pass
11	2462	28.8	23.16	23.03	23.28	23.51	29.27	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.8)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.02	--	--	--	--	--	--	--	24.15
6	2437	14.99	14.9	14.85	14.77	14.68	14.63	14.54	14.49	24.23
9	2452	14.65	--	--	--	--	--	--	--	23.78

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.05	--	--	--	--	--	--	--	23.29
6	2437	14.31	14.21	14.11	14.04	13.96	13.87	13.79	13.74	23.42
9	2452	14.26	--	--	--	--	--	--	--	23.62

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.08	--	--	--	--	--	--	--	23.31
6	2437	14.15	14.09	14.03	13.98	13.93	13.87	13.81	13.71	23.43
9	2452	14.22	--	--	--	--	--	--	--	23.55

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.91	--	--	--	--	--	--	--	23.21
6	2437	14.01	13.96	13.88	13.8	13.73	13.64	13.57	13.52	23.17
9	2452	14.03	--	--	--	--	--	--	--	23.31

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.15	23.29	23.31	23.21	29.53	<30dBm	Pass
6	2437	60	24.23	23.42	23.43	23.17	29.60	<30dBm	Pass
9	2452	60	23.78	23.62	23.55	23.31	29.59	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.9)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.66	--	--	--	27	<30dBm	Pass
06	2437	24.65	24.55	24.47	24.42	26.78	<30dBm	Pass
11	2462	24.7	--	--	--	26.49	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.59	--	--	--	26.89	<30dBm	Pass
06	2437	24.53	24.44	24.38	24.31	26.67	<30dBm	Pass
11	2462	24.63	--	--	--	26.42	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.56	--	--	--	26.91	<30dBm	Pass
06	2437	24.54	24.48	24.41	24.32	26.64	<30dBm	Pass
11	2462	24.6	--	--	--	26.37	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.56	--	--	--	26.88	<30dBm	Pass
06	2437	24.53	24.48	24.4	24.33	26.65	<30dBm	Pass
11	2462	24.56	--	--	--	24.58	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.9)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.81	--	--	--	--	--	--	--	28.72	<30dBm	Pass
06	2437	24.8	24.73	24.64	24.54	24.48	24.41	24.34	24.29	28.19	<30dBm	Pass
11	2462	24.7	--	--	--	--	--	--	--	27.93	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.69	--	--	--	--	--	--	--	28.66	<30dBm	Pass
06	2437	24.72	24.63	24.53	24.45	24.35	24.3	24.23	24.13	28.07	<30dBm	Pass
11	2462	24.55	--	--	--	--	--	--	--	27.82	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.76	--	--	--	--	--	--	--	28.59	<30dBm	Pass
06	2437	24.66	24.6	24.55	24.47	24.37	24.31	24.62	24.21	28.12	<30dBm	Pass
11	2462	24.64	--	--	--	--	--	--	--	27.86	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.74	--	--	--	--	--	--	--	28.62	<30dBm	Pass
06	2437	24.75	24.7	24.62	24.57	24.51	24.41	24.34	24.29	28.1	<30dBm	Pass
11	2462	24.57	--	--	--	--	--	--	--	27.8	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.9)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.39	--	--	--	--	--	--	--	23.65
06	2437	14.41	14.35	14.26	14.21	14.11	14.02	13.97	13.91	23.38
11	2462	13.8	--	--	--	--	--	--	--	23.07

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.19	--	--	--	--	--	--	--	22.74
06	2437	13.46	13.37	13.27	13.21	13.15	13.07	12.99	12.92	22.58
11	2462	13.18	--	--	--	--	--	--	--	22.99

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.6	--	--	--	--	--	--	--	22.9
06	2437	13.87	13.81	13.74	13.64	13.55	13.48	13.41	13.32	23.12
11	2462	13.73	--	--	--	--	--	--	--	23.25

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.66	--	--	--	--	--	--	--	23.64
06	2437	13.74	13.65	13.59	13.51	13.45	13.39	13.31	13.26	23.77
11	2462	13.71	--	--	--	--	--	--	--	23.48

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.65	22.74	22.90	23.64	29.27	<30dBm	Pass
6	2437	28.8	23.38	22.58	23.12	23.77	29.25	<30dBm	Pass
11	2462	28.8	23.07	22.99	23.25	23.48	29.22	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.9)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.03	--	--	--	--	--	--	--	24.13
6	2437	15.01	14.96	14.89	14.8	14.75	14.68	14.59	14.49	24.26
9	2452	14.63	--	--	--	--	--	--	--	23.83

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.01	--	--	--	--	--	--	--	23.31
6	2437	14.34	14.29	14.2	14.12	14.05	13.99	13.92	13.84	23.37
9	2452	14.27	--	--	--	--	--	--	--	23.61

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.1	--	--	--	--	--	--	--	23.34
6	2437	14.13	14.24	14.17	14.12	14.04	13.95	13.9	13.85	23.46
9	2452	14.24	--	--	--	--	--	--	--	23.53

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.93	--	--	--	--	--	--	--	23.19
6	2437	13.97	13.87	13.79	13.74	13.66	13.6	13.54	13.46	23.2
9	2452	14.04	--	--	--	--	--	--	--	23.32

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.13	23.31	23.34	23.19	29.53	<30dBm	Pass
6	2437	60	24.26	23.37	23.46	23.20	29.61	<30dBm	Pass
9	2452	60	23.83	23.61	23.53	23.32	29.60	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.10)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.74	--	--	--	27.02	<30dBm	Pass
06	2437	24.6	24.51	24.43	24.36	26.84	<30dBm	Pass
11	2462	24.66	--	--	--	26.52	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.61	--	--	--	26.92	<30dBm	Pass
06	2437	24.46	24.39	24.33	24.27	26.73	<30dBm	Pass
11	2462	24.58	--	--	--	26.41	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.69	--	--	--	26.89	<30dBm	Pass
06	2437	24.5	24.43	24.36	24.27	26.77	<30dBm	Pass
11	2462	24.59	--	--	--	26.42	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.62	--	--	--	26.87	<30dBm	Pass
06	2437	24.48	24.42	24.33	24.23	26.71	<30dBm	Pass
11	2462	24.52	--	--	--	26.38	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.10)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.83	--	--	--	--	--	--	--	28.67	<30dBm	Pass
06	2437	24.9	24.84	24.74	24.64	24.58	24.5	24.42	24.37	28.26	<30dBm	Pass
11	2462	24.65	--	--	--	--	--	--	--	27.98	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.73	--	--	--	--	--	--	--	28.6	<30dBm	Pass
06	2437	24.85	24.78	24.73	24.63	24.55	24.48	24.39	24.31	28.21	<30dBm	Pass
11	2462	24.6	--	--	--	--	--	--	--	27.84	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.78	--	--	--	--	--	--	--	28.54	<30dBm	Pass
06	2437	24.8	24.73	24.68	24.59	24.51	24.43	24.38	24.29	28.17	<30dBm	Pass
11	2462	24.6	--	--	--	--	--	--	--	27.89	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.72	--	--	--	--	--	--	--	28.58	<30dBm	Pass
06	2437	24.83	24.77	24.69	24.61	24.51	24.44	24.39	24.32	28.13	<30dBm	Pass
11	2462	24.55	--	--	--	--	--	--	--	27.83	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.10)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.43	--	--	--	--	--	--	--	23.61
06	2437	14.39	14.35	14.26	14.21	14.11	14.02	13.97	13.91	23.47
11	2462	13.87	--	--	--	--	--	--	--	23.16

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.26	--	--	--	--	--	--	--	22.79
06	2437	13.49	13.41	13.36	13.28	13.19	13.14	13.05	13	22.55
11	2462	13.16	--	--	--	--	--	--	--	23.05

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.6	--	--	--	--	--	--	--	22.96
06	2437	13.83	13.77	13.67	13.61	13.52	13.42	13.34	13.25	23.12
11	2462	13.69	--	--	--	--	--	--	--	23.26

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.68	--	--	--	--	--	--	--	23.68
06	2437	13.7	13.64	13.58	13.51	13.45	13.38	13.32	13.23	23.77
11	2462	13.75	--	--	--	--	--	--	--	23.53

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.61	22.79	22.96	23.68	29.30	<30dBm	Pass
6	2437	28.8	23.47	22.55	23.12	23.77	29.27	<30dBm	Pass
11	2462	28.8	23.16	23.05	23.26	23.53	29.27	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.10)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.98	--	--	--	--	--	--	--	24.14
6	2437	14.94	14.86	14.79	14.74	14.68	14.58	14.51	14.44	24.24
9	2452	14.6	--	--	--	--	--	--	--	23.78

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.02	--	--	--	--	--	--	--	23.25
6	2437	14.29	14.21	14.15	14.05	13.98	13.92	13.83	13.78	23.37
9	2452	14.3	--	--	--	--	--	--	--	23.61

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.06	--	--	--	--	--	--	--	23.32
6	2437	14.1	14.01	13.95	13.87	13.81	13.73	13.67	13.6	23.45
9	2452	14.27	--	--	--	--	--	--	--	23.6

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.86	--	--	--	--	--	--	--	23.23
6	2437	14.05	13.99	13.91	13.83	13.74	13.66	13.59	13.51	23.17
9	2452	14.02	--	--	--	--	--	--	--	23.26

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.14	23.25	23.32	23.23	29.52	<30dBm	Pass
6	2437	60	24.24	23.37	23.45	23.17	29.60	<30dBm	Pass
9	2452	60	23.78	23.61	23.60	23.26	29.59	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.11)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.67	--	--	--	27.02	<30dBm	Pass
06	2437	24.57	24.5	24.4	24.34	26.85	<30dBm	Pass
11	2462	24.69	--	--	--	26.47	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.53	--	--	--	26.88	<30dBm	Pass
06	2437	24.47	24.39	24.33	24.24	26.76	<30dBm	Pass
11	2462	24.56	--	--	--	26.38	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.55	--	--	--	26.96	<30dBm	Pass
06	2437	24.49	24.39	24.34	24.26	26.77	<30dBm	Pass
11	2462	24.56	--	--	--	26.37	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.53	--	--	--	26.96	<30dBm	Pass
06	2437	24.52	24.47	24.37	24.32	26.75	<30dBm	Pass
11	2462	24.59	--	--	--	26.35	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.11)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.9	--	--	--	--	--	--	--	28.7	<30dBm	Pass
06	2437	24.86	24.78	24.7	24.65	24.59	24.52	24.42	24.37	28.25	<30dBm	Pass
11	2462	24.62	--	--	--	--	--	--	--	27.91	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.82	--	--	--	--	--	--	--	28.65	<30dBm	Pass
06	2437	24.8	24.74	24.68	24.62	24.55	24.47	24.41	24.36	28.1	<30dBm	Pass
11	2462	24.5	--	--	--	--	--	--	--	27.76	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.81	--	--	--	--	--	--	--	28.64	<30dBm	Pass
06	2437	24.78	24.69	24.64	24.59	24.53	24.48	24.42	24.34	28.17	<30dBm	Pass
11	2462	24.52	--	--	--	--	--	--	--	27.83	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.76	--	--	--	--	--	--	--	28.65	<30dBm	Pass
06	2437	24.8	24.72	24.63	24.58	24.53	24.43	24.37	24.3	28.1	<30dBm	Pass
11	2462	24.48	--	--	--	--	--	--	--	27.84	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.11)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.42	--	--	--	--	--	--	--	23.58
06	2437	14.43	14.33	14.24	14.16	14.1	14.01	13.95	13.85	23.38
11	2462	13.8	--	--	--	--	--	--	--	23.08

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.17	--	--	--	--	--	--	--	22.82
06	2437	13.43	13.37	13.32	13.27	13.18	13.1	13.05	12.98	22.49
11	2462	13.17	--	--	--	--	--	--	--	23.03

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.63	--	--	--	--	--	--	--	22.87
06	2437	13.84	13.76	13.67	13.58	13.52	13.44	13.38	13.32	23.07
11	2462	13.75	--	--	--	--	--	--	--	23.27

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.72	--	--	--	--	--	--	--	23.7
06	2437	13.68	13.62	13.55	13.49	13.44	13.36	13.27	13.2	23.72
11	2462	13.77	--	--	--	--	--	--	--	23.53

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.58	22.82	22.87	23.70	29.28	<30dBm	Pass
6	2437	28.8	23.38	22.49	23.07	23.72	29.21	<30dBm	Pass
11	2462	28.8	23.08	23.03	23.27	23.53	29.25	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.11)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.97	--	--	--	--	--	--	--	24.15
6	2437	14.99	14.9	14.8	14.71	14.64	14.57	14.51	14.41	24.26
9	2452	14.66	--	--	--	--	--	--	--	23.81

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.07	--	--	--	--	--	--	--	23.27
6	2437	14.26	14.21	14.12	14.02	13.92	13.87	13.77	13.69	23.42
9	2452	14.3	--	--	--	--	--	--	--	23.67

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.12	--	--	--	--	--	--	--	23.33
6	2437	14.19	14.11	14.04	13.96	13.88	13.79	13.74	13.64	23.43
9	2452	14.17	--	--	--	--	--	--	--	23.51

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.93	--	--	--	--	--	--	--	23.26
6	2437	13.96	13.86	13.77	13.7	13.61	13.53	13.47	13.38	23.17
9	2452	14.05	--	--	--	--	--	--	--	23.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.15	23.27	23.33	23.26	29.54	<30dBm	Pass
6	2437	60	24.26	23.42	23.43	23.17	29.61	<30dBm	Pass
9	2452	60	23.81	23.67	23.51	23.33	29.60	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.12)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.68	--	--	--	27.01	<30dBm	Pass
06	2437	24.62	24.55	24.47	24.41	26.83	<30dBm	Pass
11	2462	24.71	--	--	--	26.47	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.59	--	--	--	26.93	<30dBm	Pass
06	2437	24.51	24.42	24.32	24.26	26.76	<30dBm	Pass
11	2462	24.66	--	--	--	26.34	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.62	--	--	--	26.88	<30dBm	Pass
06	2437	24.49	24.41	24.33	24.26	26.7	<30dBm	Pass
11	2462	24.61	--	--	--	26.35	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.6	--	--	--	26.92	<30dBm	Pass
06	2437	24.49	24.4	24.33	24.23	26.72	<30dBm	Pass
11	2462	24.56	--	--	--	26.41	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.12)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.82	--	--	--	--	--	--	--	28.71	<30dBm	Pass
06	2437	24.9	24.83	24.78	24.71	24.64	24.57	24.5	24.41	28.24	<30dBm	Pass
11	2462	24.63	--	--	--	--	--	--	--	27.9	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.68	--	--	--	--	--	--	--	28.57	<30dBm	Pass
06	2437	24.79	24.74	24.67	24.62	24.55	24.49	24.43	24.37	28.11	<30dBm	Pass
11	2462	24.5	--	--	--	--	--	--	--	27.79	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.69	--	--	--	--	--	--	--	28.63	<30dBm	Pass
06	2437	24.78	24.73	24.65	24.6	24.53	24.44	24.35	24.25	28.11	<30dBm	Pass
11	2462	24.48	--	--	--	--	--	--	--	27.77	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.75	--	--	--	--	--	--	--	28.65	<30dBm	Pass
06	2437	24.76	24.71	24.62	24.54	24.49	24.39	24.3	24.25	28.15	<30dBm	Pass
11	2462	24.58	--	--	--	--	--	--	--	27.81	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.12)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.42	--	--	--	--	--	--	--	23.65
06	2437	14.45	14.39	14.34	14.25	14.2	14.11	14.05	13.95	23.44
11	2462	13.82	--	--	--	--	--	--	--	23.09

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.17	--	--	--	--	--	--	--	22.75
06	2437	13.48	13.38	13.28	13.18	13.1	13.02	12.94	12.86	22.53
11	2462	13.15	--	--	--	--	--	--	--	23

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.65	--	--	--	--	--	--	--	22.95
06	2437	13.82	13.75	13.66	13.61	13.53	13.43	13.38	13.32	23.08
11	2462	13.71	--	--	--	--	--	--	--	23.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.7	--	--	--	--	--	--	--	23.64
06	2437	13.65	13.58	13.48	13.41	13.34	13.26	13.21	13.13	23.8
11	2462	13.78	--	--	--	--	--	--	--	23.49

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.65	22.75	22.95	23.64	29.29	<30dBm	Pass
6	2437	28.8	23.44	22.53	23.08	23.80	29.26	<30dBm	Pass
11	2462	28.8	23.09	23.00	23.33	23.49	29.25	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.12)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.02	--	--	--	--	--	--	--	24.1
6	2437	14.96	14.87	14.78	14.72	14.62	14.52	14.47	14.39	24.26
9	2452	14.61	--	--	--	--	--	--	--	23.81

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.05	--	--	--	--	--	--	--	23.25
6	2437	14.29	14.19	14.12	14.04	13.99	13.91	13.83	13.76	23.43
9	2452	14.25	--	--	--	--	--	--	--	23.61

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.11	--	--	--	--	--	--	--	23.32
6	2437	14.17	14.07	14	13.94	13.85	13.75	13.66	13.57	23.4
9	2452	14.17	--	--	--	--	--	--	--	23.51

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.86	--	--	--	--	--	--	--	23.26
6	2437	14	13.92	13.86	13.81	13.74	13.67	13.57	13.48	23.16
9	2452	13.99	--	--	--	--	--	--	--	23.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.10	23.25	23.32	23.26	29.52	<30dBm	Pass
6	2437	60	24.26	23.43	23.40	23.16	29.60	<30dBm	Pass
9	2452	60	23.81	23.61	23.51	23.33	29.59	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.13)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.7	--	--	--	27.01	<30dBm	Pass
06	2437	24.57	24.49	24.42	24.33	26.84	<30dBm	Pass
11	2462	24.67	--	--	--	26.5	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.59	--	--	--	26.89	<30dBm	Pass
06	2437	24.49	24.41	24.36	24.26	26.77	<30dBm	Pass
11	2462	24.61	--	--	--	26.44	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.65	--	--	--	26.94	<30dBm	Pass
06	2437	24.49	24.43	24.35	24.26	26.75	<30dBm	Pass
11	2462	24.55	--	--	--	26.36	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	24.55	--	--	--	26.95	<30dBm	Pass
06	2437	24.42	24.33	24.24	24.16	26.77	<30dBm	Pass
11	2462	24.56	--	--	--	26.42	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.13)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.89	--	--	--	--	--	--	--	28.68	<30dBm	Pass
06	2437	24.89	24.79	24.71	24.61	24.56	24.5	24.4	24.32	28.06	<30dBm	Pass
11	2462	24.64	--	--	--	--	--	--	--	27.98	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	24.77	--	--	--	--	--	--	--	28.61	<30dBm	Pass
06	2437	24.78	24.7	24.64	24.54	24.46	24.38	24.29	24.24	28.01	<30dBm	Pass
11	2462	24.53	--	--	--	--	--	--	--	27.92	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.83	--	--	--	--	--	--	--	28.61	<30dBm	Pass
06	2437	24.81	24.75	24.65	24.57	24.47	24.41	24.33	24.27	27.98	<30dBm	Pass
11	2462	24.56	--	--	--	--	--	--	--	27.83	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	24.83	--	--	--	--	--	--	--	28.58	<30dBm	Pass
06	2437	24.75	24.69	24.63	24.55	24.47	24.39	24.32	24.25	27.92	<30dBm	Pass
11	2462	24.5	--	--	--	--	--	--	--	27.83	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.13)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.4	--	--	--	--	--	--	--	23.61
06	2437	14.4	14.3	14.25	14.17	14.1	14.01	13.95	13.85	23.37
11	2462	13.78	--	--	--	--	--	--	--	23.11

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.25	--	--	--	--	--	--	--	22.74
06	2437	13.51	13.46	13.39	13.3	13.23	13.16	13.07	12.99	22.5
11	2462	13.19	--	--	--	--	--	--	--	23

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.61	--	--	--	--	--	--	--	22.96
06	2437	13.86	13.8	13.7	13.62	13.57	13.47	13.41	13.36	23.1
11	2462	13.78	--	--	--	--	--	--	--	23.3

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.68	--	--	--	--	--	--	--	23.7
06	2437	13.66	13.61	13.54	13.47	13.39	13.3	13.22	13.13	23.79
11	2462	13.68	--	--	--	--	--	--	--	23.47

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.61	22.74	22.96	23.70	29.29	<30dBm	Pass
6	2437	28.8	23.37	22.50	23.10	23.79	29.24	<30dBm	Pass
11	2462	28.8	23.11	23.00	23.30	23.47	29.24	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.13)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.05	--	--	--	--	--	--	--	24.12
6	2437	14.99	14.92	14.87	14.81	14.76	14.7	14.63	14.54	24.26
9	2452	14.64	--	--	--	--	--	--	--	23.76

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.1	--	--	--	--	--	--	--	23.27
6	2437	14.29	14.2	14.14	14.09	14.04	13.94	13.86	13.81	23.37
9	2452	14.3	--	--	--	--	--	--	--	23.65

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.13	--	--	--	--	--	--	--	23.34
6	2437	14.19	14.11	14.01	13.94	13.85	13.78	13.72	13.64	23.42
9	2452	14.23	--	--	--	--	--	--	--	23.51

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.88	--	--	--	--	--	--	--	23.25
6	2437	14.05	13.97	13.87	13.78	13.68	13.62	13.53	13.45	23.16
9	2452	14.08	--	--	--	--	--	--	--	23.26

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.12	23.27	23.34	23.25	29.53	<30dBm	Pass
6	2437	60	24.26	23.37	23.42	23.16	29.59	<30dBm	Pass
9	2452	60	23.76	23.65	23.51	23.26	29.57	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.14)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.73	--	--	--	27.06	<30dBm	Pass
06	2437	24.63	24.55	24.45	24.35	26.79	<30dBm	Pass
11	2462	24.68	--	--	--	26.47	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.68	--	--	--	26.98	<30dBm	Pass
06	2437	24.52	24.42	24.33	24.24	26.72	<30dBm	Pass
11	2462	24.54	--	--	--	26.34	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.58	--	--	--	26.94	<30dBm	Pass
06	2437	24.5	24.42	24.37	24.3	26.72	<30dBm	Pass
11	2462	24.53	--	--	--	26.33	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.6	--	--	--	26.93	<30dBm	Pass
06	2437	24.55	24.46	24.39	24.33	26.69	<30dBm	Pass
11	2462	24.6	--	--	--	26.4	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.14)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.89	--	--	--	--	--	--	--	28.71	<30dBm	Pass
06	2437	24.86	24.78	24.72	24.62	24.56	24.46	24.38	24.31	28.2	<30dBm	Pass
11	2462	24.7	--	--	--	--	--	--	--	27.98	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.77	--	--	--	--	--	--	--	28.61	<30dBm	Pass
06	2437	24.81	24.74	24.68	24.58	24.49	24.39	24.33	24.23	28.15	<30dBm	Pass
11	2462	24.6	--	--	--	--	--	--	--	27.87	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.83	--	--	--	--	--	--	--	28.63	<30dBm	Pass
06	2437	24.74	24.69	24.64	24.55	24.48	24.39	24.29	24.21	28.15	<30dBm	Pass
11	2462	24.6	--	--	--	--	--	--	--	27.9	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.78	--	--	--	--	--	--	--	28.56	<30dBm	Pass
06	2437	24.77	24.67	24.59	24.54	24.49	24.41	24.34	24.26	28.13	<30dBm	Pass
11	2462	24.58	--	--	--	--	--	--	--	27.92	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.14)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.46	--	--	--	--	--	--	--	23.61
06	2437	14.39	14.29	14.22	14.15	14.05	13.97	13.87	13.79	23.41
11	2462	13.87	--	--	--	--	--	--	--	23.13

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.22	--	--	--	--	--	--	--	22.74
06	2437	13.5	13.42	13.35	13.28	13.22	13.17	13.07	13.02	22.49
11	2462	13.25	--	--	--	--	--	--	--	23.04

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.68	--	--	--	--	--	--	--	22.97
06	2437	13.87	13.77	13.68	13.59	13.51	13.45	13.35	13.28	23.09
11	2462	13.7	--	--	--	--	--	--	--	23.34

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.69	--	--	--	--	--	--	--	23.64
06	2437	13.69	13.63	13.58	13.53	13.44	13.39	13.32	13.26	23.76
11	2462	13.78	--	--	--	--	--	--	--	23.48

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.61	22.74	22.97	23.64	29.28	<30dBm	Pass
6	2437	28.8	23.41	22.49	23.09	23.76	29.23	<30dBm	Pass
11	2462	28.8	23.13	23.04	23.34	23.48	29.27	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.14)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	15.04	--	--	--	--	--	--	--	24.15
6	2437	14.98	14.93	14.86	14.8	14.75	14.67	14.6	14.54	24.2
9	2452	14.66	--	--	--	--	--	--	--	23.74

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.03	--	--	--	--	--	--	--	23.33
6	2437	14.28	14.21	14.15	14.1	14.02	13.97	13.88	13.82	23.41
9	2452	14.31	--	--	--	--	--	--	--	23.62

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.04	--	--	--	--	--	--	--	23.32
6	2437	14.2	14.13	14.07	14	13.9	13.84	13.76	13.71	23.46
9	2452	14.27	--	--	--	--	--	--	--	23.59

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.94	--	--	--	--	--	--	--	23.19
6	2437	14.01	13.96	13.86	13.76	13.71	13.64	13.56	13.49	23.15
9	2452	14.03	--	--	--	--	--	--	--	23.36

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	24.15	23.33	23.32	23.19	29.54	<30dBm	Pass
6	2437	60	24.20	23.41	23.46	23.15	29.59	<30dBm	Pass
9	2452	60	23.74	23.62	23.59	23.36	29.60	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.15)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.76	--	--	--	27.03	<30dBm	Pass
06	2437	24.63	24.57	24.49	24.44	26.88	<30dBm	Pass
11	2462	24.72	--	--	--	26.53	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.64	--	--	--	26.9	<30dBm	Pass
06	2437	24.57	24.51	24.43	24.36	26.83	<30dBm	Pass
11	2462	24.57	--	--	--	26.45	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.64	--	--	--	26.98	<30dBm	Pass
06	2437	24.48	24.39	24.29	24.22	26.76	<30dBm	Pass
11	2462	24.58	--	--	--	26.41	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.65	--	--	--	26.97	<30dBm	Pass
06	2437	24.56	24.46	24.38	24.29	26.8	<30dBm	Pass
11	2462	24.64	--	--	--	26.47	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.15)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.86	--	--	--	--	--	--	--	28.7	<30dBm	Pass
06	2437	24.9	24.84	24.74	24.64	24.59	24.5	24.42	24.36	28.2	<30dBm	Pass
11	2462	24.68	--	--	--	--	--	--	--	27.94	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.76	--	--	--	--	--	--	--	28.62	<30dBm	Pass
06	2437	24.84	24.79	24.7	24.63	24.53	24.45	24.35	24.25	28.08	<30dBm	Pass
11	2462	24.62	--	--	--	--	--	--	--	27.89	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.71	--	--	--	--	--	--	--	28.58	<30dBm	Pass
06	2437	24.85	24.8	24.7	24.6	24.55	24.46	24.41	24.34	28.09	<30dBm	Pass
11	2462	24.54	--	--	--	--	--	--	--	27.86	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.72	--	--	--	--	--	--	--	28.63	<30dBm	Pass
06	2437	24.85	24.75	24.67	24.6	24.55	24.47	24.41	24.33	28.12	<30dBm	Pass
11	2462	24.56	--	--	--	--	--	--	--	27.89	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.15)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.44	--	--	--	--	--	--	--	23.59
06	2437	14.46	14.4	14.35	14.26	14.17	14.11	14.04	13.99	23.41
11	2462	13.83	--	--	--	--	--	--	--	23.12

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.22	--	--	--	--	--	--	--	22.84
06	2437	13.45	13.39	13.31	13.23	13.15	13.09	12.99	12.89	22.57
11	2462	13.21	--	--	--	--	--	--	--	23

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.66	--	--	--	--	--	--	--	22.96
06	2437	13.87	13.78	13.72	13.65	13.58	13.48	13.38	13.31	23.12
11	2462	13.71	--	--	--	--	--	--	--	23.32

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.69	--	--	--	--	--	--	--	23.7
06	2437	13.73	13.65	13.56	13.51	13.41	13.36	13.26	13.21	23.73
11	2462	13.69	--	--	--	--	--	--	--	23.52

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.59	22.84	22.96	23.70	29.31	<30dBm	Pass
6	2437	28.8	23.41	22.57	23.12	23.73	29.25	<30dBm	Pass
11	2462	28.8	23.12	23.00	23.32	23.52	29.27	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.15)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.57	--	--	--	--	--	--	--	23.38
6	2437	14.48	14.38	14.32	14.26	14.21	14.13	14.08	14	23.23
9	2452	14.11	--	--	--	--	--	--	--	23.12

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	13.86	--	--	--	--	--	--	--	22.84
6	2437	13.98	13.89	13.83	13.75	13.7	13.63	13.55	13.49	22.99
9	2452	14.05	--	--	--	--	--	--	--	22.94

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	13.38	--	--	--	--	--	--	--	22.43
6	2437	13.52	13.42	13.33	13.28	13.19	13.09	13.01	12.93	22.47
9	2452	13.69	--	--	--	--	--	--	--	22.66

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.57	--	--	--	--	--	--	--	22.49
6	2437	13.54	13.46	13.41	13.31	13.24	13.16	13.07	12.98	22.43
9	2452	13.63	--	--	--	--	--	--	--	22.44

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	23.38	22.84	22.43	22.49	28.82	<30dBm	Pass
6	2437	60	23.23	22.99	22.47	22.43	28.81	<30dBm	Pass
9	2452	60	23.12	22.94	22.66	22.44	28.82	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.16)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.67	--	--	--	27.08	<30dBm	Pass
06	2437	24.62	24.55	24.5	24.4	26.86	<30dBm	Pass
11	2462	24.72	--	--	--	26.56	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.58	--	--	--	27.01	<30dBm	Pass
06	2437	24.55	24.46	24.36	24.28	26.79	<30dBm	Pass
11	2462	24.61	--	--	--	26.5	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.52	--	--	--	26.99	<30dBm	Pass
06	2437	24.55	24.48	24.38	24.29	26.75	<30dBm	Pass
11	2462	24.61	--	--	--	26.51	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	24.6	--	--	--	26.95	<30dBm	Pass
06	2437	24.47	24.4	24.3	24.22	26.78	<30dBm	Pass
11	2462	24.66	--	--	--	26.49	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.16)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.88	--	--	--	--	--	--	--	28.64	<30dBm	Pass
06	2437	24.81	24.74	24.66	24.57	24.52	24.47	24.42	24.32	28.25	<30dBm	Pass
11	2462	24.66	--	--	--	--	--	--	--	27.89	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.76	--	--	--	--	--	--	--	28.59	<30dBm	Pass
06	2437	24.74	24.69	24.63	24.57	24.51	24.45	24.38	24.3	28.16	<30dBm	Pass
11	2462	24.61	--	--	--	--	--	--	--	27.82	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	24.76	--	--	--	--	--	--	--	28.58	<30dBm	Pass
06	2437	24.71	24.62	24.57	24.47	24.42	24.35	24.28	24.23	28.16	<30dBm	Pass
11	2462	24.59	--	--	--	--	--	--	--	27.84	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	24.74	--	--	--	--	--	--	--	28.51	<30dBm	Pass
06	2437	24.67	24.62	24.57	24.52	24.46	24.41	24.32	24.22	28.11	<30dBm	Pass
11	2462	24.61	--	--	--	--	--	--	--	27.75	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.16)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	14.41	--	--	--	--	--	--	--	23.56
06	2437	14.44	14.35	14.3	14.2	14.1	14.04	13.96	13.86	23.41
11	2462	13.85	--	--	--	--	--	--	--	23.13

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.16	--	--	--	--	--	--	--	22.82
06	2437	13.44	13.36	13.26	13.2	13.1	13.03	12.98	12.93	22.58
11	2462	13.2	--	--	--	--	--	--	--	22.98

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	13.63	--	--	--	--	--	--	--	22.95
06	2437	13.79	13.74	13.69	13.61	13.56	13.48	13.38	13.31	23.03
11	2462	13.71	--	--	--	--	--	--	--	23.27

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	13.66	--	--	--	--	--	--	--	23.69
06	2437	13.69	13.6	13.54	13.47	13.41	13.32	13.22	13.13	23.75
11	2462	13.76	--	--	--	--	--	--	--	23.51

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	23.56	22.82	22.95	23.69	29.29	<30dBm	Pass
6	2437	28.8	23.41	22.58	23.03	23.75	29.23	<30dBm	Pass
11	2462	28.8	23.13	22.98	23.27	23.51	29.25	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.16)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	14.57	--	--	--	--	--	--	--	23.4
6	2437	14.44	14.37	14.27	14.18	14.1	14.04	13.96	13.89	23.32
9	2452	14.12	--	--	--	--	--	--	--	23.1

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	13.87	--	--	--	--	--	--	--	22.91
6	2437	13.95	13.85	13.77	13.67	13.61	13.55	13.48	13.42	22.97
9	2452	14.02	--	--	--	--	--	--	--	22.93

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	13.34	--	--	--	--	--	--	--	22.35
6	2437	13.49	13.44	13.39	13.33	13.24	13.17	13.07	12.98	22.49
9	2452	13.61	--	--	--	--	--	--	--	22.6

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	13.58	--	--	--	--	--	--	--	22.51
6	2437	13.52	13.43	13.36	13.31	13.26	13.21	13.13	13.06	22.45
9	2452	13.66	--	--	--	--	--	--	--	22.42

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	23.40	22.91	22.35	22.51	28.83	<30dBm	Pass
6	2437	60	23.32	22.97	22.49	22.45	28.84	<30dBm	Pass
9	2452	60	23.10	22.93	22.60	22.42	28.79	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.17)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.22	--	--	--	23.57	<27dBm	Pass
06	2437	21.13	21.06	20.96	20.87	23.56	<27dBm	Pass
11	2462	20.76	--	--	--	23.12	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.09	--	--	--	23.5	<27dBm	Pass
06	2437	21	20.95	20.87	20.8	23.41	<27dBm	Pass
11	2462	20.62	--	--	--	23	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.07	--	--	--	23.45	<27dBm	Pass
06	2437	21.08	21.02	20.97	20.92	23.44	<27dBm	Pass
11	2462	20.65	--	--	--	23.04	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.16	--	--	--	23.48	<27dBm	Pass
06	2437	21.05	20.97	20.9	20.8	23.41	<27dBm	Pass
11	2462	20.63	--	--	--	23.06	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.17)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21.07	--	--	--	--	--	--	--	26.94	<27dBm	Pass
06	2437	21.04	20.99	20.91	20.84	20.75	20.69	20.61	20.53	26.93	<27dBm	Pass
11	2462	20.93	--	--	--	--	--	--	--	26.83	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21	--	--	--	--	--	--	--	26.85	<27dBm	Pass
06	2437	20.97	20.88	20.8	20.71	20.64	20.56	20.51	20.42	26.88	<27dBm	Pass
11	2462	20.88	--	--	--	--	--	--	--	26.73	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	20.98	--	--	--	--	--	--	--	26.89	<27dBm	Pass
06	2437	20.91	20.86	20.77	20.72	20.66	20.58	20.53	20.47	26.83	<27dBm	Pass
11	2462	20.84	--	--	--	--	--	--	--	26.69	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21.01	--	--	--	--	--	--	--	26.81	<27dBm	Pass
06	2437	20.95	20.87	20.77	20.7	20.64	20.54	20.48	20.4	26.79	<27dBm	Pass
11	2462	20.85	--	--	--	--	--	--	--	26.69	<27dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.17)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.03	--	--	--	--	--	--	--	21.42
06	2437	12.01	11.94	11.87	11.81	11.75	11.66	11.56	11.48	21.34
11	2462	11.36	--	--	--	--	--	--	--	20.73

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	10.81	--	--	--	--	--	--	--	18.93
06	2437	10.98	10.89	10.82	10.76	10.7	10.62	10.57	10.5	19.13
11	2462	10.91	--	--	--	--	--	--	--	19.05

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	11.01	--	--	--	--	--	--	--	21.33
06	2437	11.28	11.23	11.17	11.07	10.99	10.9	10.82	10.72	20.98
11	2462	11.3	--	--	--	--	--	--	--	21.01

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	11.11	--	--	--	--	--	--	--	21.41
06	2437	11.33	11.23	11.18	11.1	11.01	10.95	10.9	10.85	20.86
11	2462	11.2	--	--	--	--	--	--	--	21.05

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	21.42	18.93	21.33	21.41	26.91	<27dBm	Pass
6	2437	28.8	21.34	19.13	20.98	20.86	26.68	<27dBm	Pass
11	2462	28.8	20.73	19.05	21.01	21.05	26.55	<27dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.17)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	12.15	--	--	--	--	--	--	--	21.34
6	2437	12.03	11.97	11.89	11.84	11.79	11.72	11.67	11.59	21.22
9	2452	11.84	--	--	--	--	--	--	--	21.03

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	11.25	--	--	--	--	--	--	--	19.34
6	2437	11.51	11.46	11.39	11.32	11.24	11.17	11.08	11.02	19.54
9	2452	11.93	--	--	--	--	--	--	--	19.82

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	10.92	--	--	--	--	--	--	--	21.24
6	2437	11.03	10.98	10.93	10.86	10.76	10.66	10.61	10.54	21.08
9	2452	11.66	--	--	--	--	--	--	--	21.24

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	10.99	--	--	--	--	--	--	--	20.96
6	2437	11.04	10.98	10.92	10.83	10.77	10.71	10.65	10.6	21.61
9	2452	11.52	--	--	--	--	--	--	--	21.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	21.34	19.34	21.24	20.96	26.81	<27dBm	Pass
6	2437	60	21.22	19.54	21.08	21.61	26.95	<27dBm	Pass
9	2452	60	21.03	19.82	21.24	21.33	26.92	<27dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.18)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	23.17	--	--	--	25.52	<28dBm	Pass
06	2437	22.8	22.7	22.61	22.51	25.13	<28dBm	Pass
11	2462	23.56	--	--	--	25.94	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	23.06	--	--	--	25.41	<28dBm	Pass
06	2437	22.71	22.63	22.58	22.5	25.06	<28dBm	Pass
11	2462	23.43	--	--	--	25.86	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	23.02	--	--	--	25.43	<28dBm	Pass
06	2437	22.74	22.64	22.56	22.49	25.06	<28dBm	Pass
11	2462	23.42	--	--	--	25.8	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	23.02	--	--	--	25.38	<28dBm	Pass
06	2437	22.67	22.58	22.51	22.45	24.99	<28dBm	Pass
11	2462	23.41	--	--	--	25.84	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.18)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	22.15	--	--	--	--	--	--	--	27.92	<28dBm	Pass
06	2437	22.13	22.05	21.97	21.92	21.84	21.75	21.7	21.63	27.81	<28dBm	Pass
11	2462	21.43	--	--	--	--	--	--	--	27.32	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak	Required Limit	Result
		For different Data Rate (Mbps)								Power		
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	22.02	--	--	--	--	--	--	--	27.83	<28dBm	Pass
06	2437	22	21.91	21.85	21.8	21.72	21.63	21.58	21.49	27.75	<28dBm	Pass
11	2462	21.36	--	--	--	--	--	--	--	27.2	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	22.06	--	--	--	--	--	--	--	27.77	<28dBm	Pass
06	2437	21.98	21.88	21.81	21.71	21.65	21.55	21.46	21.41	27.71	<28dBm	Pass
11	2462	21.3	--	--	--	--	--	--	--	27.23	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	22.07	--	--	--	--	--	--	--	27.79	<28dBm	Pass
06	2437	22.06	21.97	21.9	21.81	21.72	21.62	21.55	21.48	27.7	<28dBm	Pass
11	2462	21.34	--	--	--	--	--	--	--	27.25	<28dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.18)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.98	--	--	--	--	--	--	--	22.32
06	2437	12.96	21.88	21.83	21.76	21.7	21.64	21.59	21.49	22.29
11	2462	12.87	--	--	--	--	--	--	--	22.17

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	11.69	--	--	--	--	--	--	--	19.82
06	2437	11.82	11.75	11.7	11.61	11.56	11.5	11.44	11.35	20.12
11	2462	12.26	--	--	--	--	--	--	--	20.43

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.19	--	--	--	--	--	--	--	22.23
06	2437	12.21	12.15	12.05	12	11.93	11.83	11.78	11.7	22.2
11	2462	12.81	--	--	--	--	--	--	--	22.39

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	
		Measurement Level (dBm)								
01	2412	12.41	--	--	--	--	--	--	--	22.6
06	2437	12.31	12.26	12.17	12.11	12.05	11.99	11.92	11.86	22.27
11	2462	12.76	--	--	--	--	--	--	--	22.5

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	22.32	19.82	22.23	22.60	27.89	<28dBm	Pass
6	2437	28.8	22.29	20.12	22.20	22.27	27.83	<28dBm	Pass
11	2462	28.8	22.17	20.43	22.39	22.50	27.97	<28dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.18)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	11.12	--	--	--	--	--	--	--	20.12
6	2437	10.95	10.87	10.77	10.69	10.64	10.58	10.51	10.42	20.15
9	2452	10.51	--	--	--	--	--	--	--	19.66

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	10.29	--	--	--	--	--	--	--	18.16
6	2437	10.43	10.35	10.29	10.24	10.19	10.14	10.07	10.02	18.34
9	2452	10.32	--	--	--	--	--	--	--	18.44

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	11.05	--	--	--	--	--	--	--	20.29
6	2437	10.03	9.96	9.89	9.84	9.76	9.68	9.59	9.51	20.18
9	2452	10.07	--	--	--	--	--	--	--	19.98

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	11.02	--	--	--	--	--	--	--	19.98
6	2437	10.08	10.03	9.97	9.88	9.82	9.73	9.68	9.63	20.78
9	2452	9.89	--	--	--	--	--	--	--	19.78

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	20.12	18.16	20.29	19.98	25.74	<28dBm	Pass
6	2437	60	20.15	18.34	20.18	20.78	25.97	<28dBm	Pass
9	2452	60	19.66	18.44	19.98	19.78	25.53	<28dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: Fixed, point-to-point operations, the maximum conducted 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.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.19)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.77	--	--	--	24.12	<27.8 dBm	Pass
06	2437	21.19	21.13	21.07	20.97	23.57	<27.8 dBm	Pass
11	2462	23.17	--	--	--	25.48	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.68	--	--	--	24.04	<27.8 dBm	Pass
06	2437	21.09	21.01	20.94	20.89	23.44	<27.8 dBm	Pass
11	2462	23.06	--	--	--	25.34	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.7	--	--	--	23.98	<27.8 dBm	Pass
06	2437	21.04	20.98	20.91	20.86	23.44	<27.8 dBm	Pass
11	2462	23.12	--	--	--	25.35	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	21.71	--	--	--	23.97	<27.8 dBm	Pass
06	2437	21.07	21.01	20.92	20.82	23.43	<27.8 dBm	Pass
11	2462	23.03	--	--	--	25.33	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.19)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21.54	--	--	--	--	--	--	--	27.47	<27.8 dBm	Pass
06	2437	21.47	21.42	21.32	21.26	21.21	21.15	21.05	20.95	27.43	<27.8 dBm	Pass
11	2462	21.39	--	--	--	--	--	--	--	27.29	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power	Required Limit	Result
		For different Data Rate (Mbps)										
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21.41	--	--	--	--	--	--	--	27.36	<27.8 dBm	Pass
06	2437	21.39	21.33	21.24	21.15	21.05	20.98	20.9	20.85	27.35	<27.8 dBm	Pass
11	2462	21.34	--	--	--	--	--	--	--	27.16	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21.49	--	--	--	--	--	--	--	27.33	<27.8 dBm	Pass
06	2437	21.4	21.34	21.25	21.16	21.08	21.01	20.92	20.83	27.37	<27.8 dBm	Pass
11	2462	21.3	--	--	--	--	--	--	--	27.2	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54	6		
		Measurement Level (dBm)										
01	2412	21.45	--	--	--	--	--	--	--	27.32	<27.8 dBm	Pass
06	2437	21.37	21.31	21.24	21.19	21.09	21.01	20.96	20.88	27.36	<27.8 dBm	Pass
11	2462	21.24	--	--	--	--	--	--	--	27.2	<27.8 dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.19)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak
		For different Data Rate (Mbps)								Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.98	--	--	--	--	--	--	--	22.24
06	2437	12.92	12.86	12.77	12.7	12.65	12.59	12.5	12.42	22.17
11	2462	12.34	--	--	--	--	--	--	--	21.64

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	11.62	--	--	--	--	--	--	--	19.68
06	2437	11.91	11.84	11.78	11.7	11.65	11.56	11.5	11.41	20.06
11	2462	11.82	--	--	--	--	--	--	--	19.83

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.13	--	--	--	--	--	--	--	21.72
06	2437	12.22	12.12	12.05	11.99	11.89	11.84	11.76	11.69	21.42
11	2462	12.17	--	--	--	--	--	--	--	21.92

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		28.8	57.6	86.8	115.6	173.2	231.2	260	288.8	28.8
		Measurement Level (dBm)								
01	2412	12.22	--	--	--	--	--	--	--	21.64
06	2437	12.33	12.28	12.18	12.13	12.07	12	11.95	11.85	21.83
11	2462	12.22	--	--	--	--	--	--	--	21.33

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
1	2412	28.8	22.24	19.68	21.72	21.64	27.44	<27.8 dBm	Pass
6	2437	28.8	22.17	20.06	21.42	21.83	27.46	<27.8 dBm	Pass
11	2462	28.8	21.64	19.83	21.92	21.33	27.27	<27.8 dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Maximum Conducted Power
 Test Site : No.3 OATS
 Test Date : 2018/07/19
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.19)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	12.94	--	--	--	--	--	--	--	22.27
6	2437	12.87	12.8	12.74	12.69	12.61	12.54	12.49	12.39	22.03
9	2452	12.61	--	--	--	--	--	--	--	21.95

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	11.96	--	--	--	--	--	--	--	20.13
6	2437	12.12	12.07	11.99	11.91	11.86	11.81	11.71	11.64	20.19
9	2452	12.34	--	--	--	--	--	--	--	20.37

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN C

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	60
		Measurement Level (dBm)								
3	2422	11.97	--	--	--	--	--	--	--	21.78
6	2437	12.11	12.03	11.97	11.88	11.81	11.73	11.66	11.6	21.9
9	2452	12.24	--	--	--	--	--	--	--	21.64

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN D

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		60	120	180	240	360	480	540	600	
		Measurement Level (dBm)								
3	2422	12.09	--	--	--	--	--	--	--	21.57
6	2437	12.18	12.08	11.99	11.91	11.83	11.74	11.68	11.62	21.41
9	2452	12.25	--	--	--	--	--	--	--	21.72

Note: Peak Power Output Value = Reading value on power meter + cable loss

CHAIN A+B+C+D

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
3	2422	60	22.27	20.13	21.78	21.57	27.53	<27.8 dBm	Pass
6	2437	60	22.03	20.19	21.90	21.41	27.46	<27.8 dBm	Pass
9	2452	60	21.95	20.37	21.64	21.72	27.48	<27.8 dBm	Pass

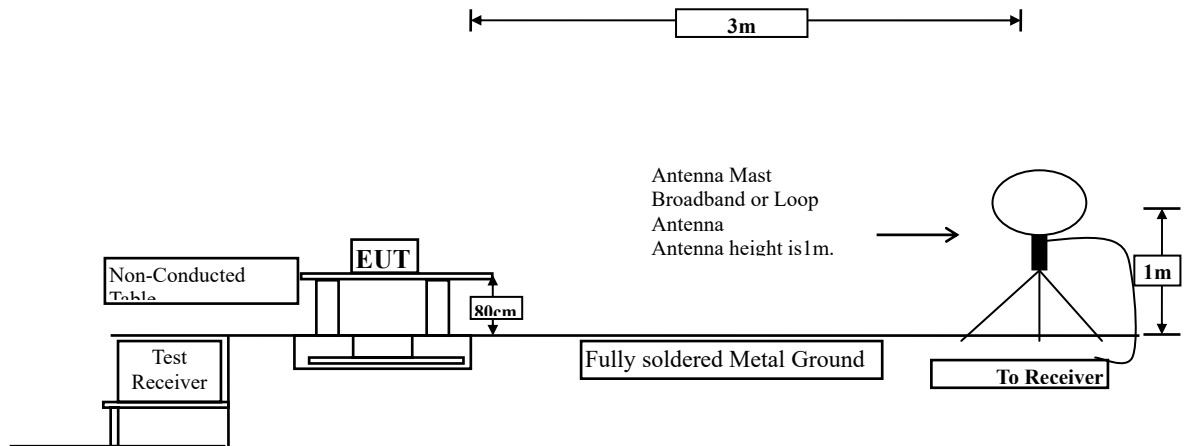
Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Note: The maximum conducted output power shall be reduced by the amount in dB that the directional gain the antenna exceeds 6 dBi

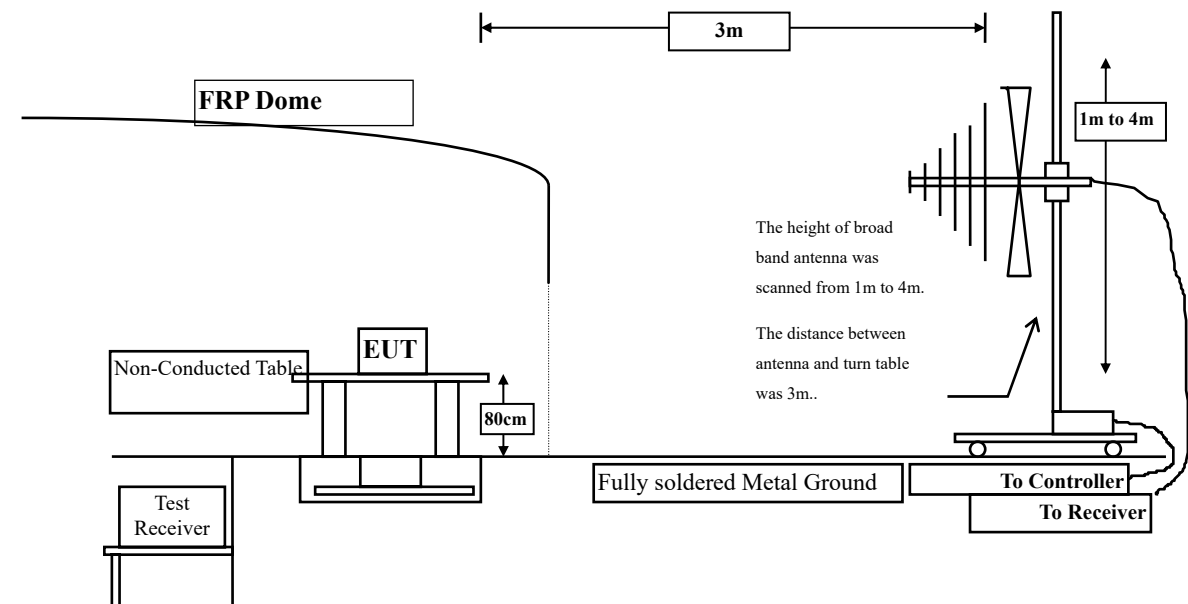
4. Radiated Emission

4.1. Test Setup

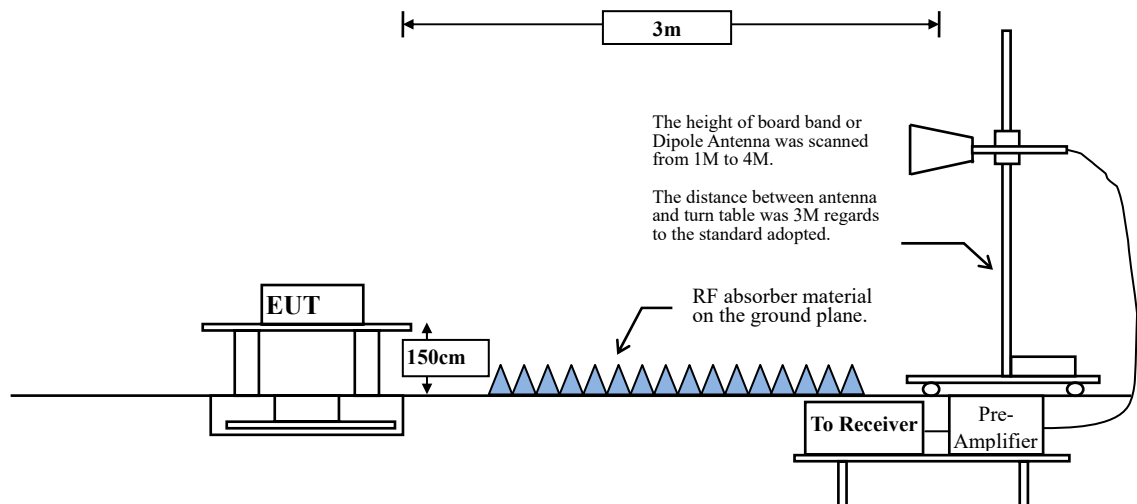
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



4.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

RBW and VBW Parameter setting:

According to KDB 558074 section 12.2.4. Peak power measurement procedure

RBW = as specified in Table 1.

$VBW \geq 3 \times RBW$.

Table 1 —RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

According to KDB 558074 section 12.2.5. Average power measurement procedure

RBW = 1MHz.

$VBW = 10\text{Hz}$, when duty cycle $\geq 98\%$

$VBW \geq 1/T$, when duty cycle $< 98\%$

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

2.4GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11 b	99.31	--	--	10
802.11 g	95.30	2.0580	486	500
802.11 n20	98.28	4.9855	201	10
802.11 n40	96.51	2.4058	416	500

Note: Duty Cycle Refer to Section 9

4.4. Uncertainty

$\pm 4.08\text{ dB}$ above 1GHz

$\pm 4.22\text{ dB}$ below 1GHz

4.5. Test Result of Radiated Emission

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	49.730	39.751	-34.249	74.000
7236.000	-4.641	51.690	47.050	-26.950	74.000
9648.000	-1.835	52.050	50.214	-23.786	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	-6.819	50.990	44.172	-29.828	74.000
7236.000	-3.796	54.470	50.674	-23.326	74.000
9648.000	-1.365	52.680	51.315	-22.685	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	48.810	38.538	-35.462	74.000
7311.000	-3.853	53.080	49.226	-24.774	74.000
9748.000	-2.526	51.180	48.654	-25.346	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	52.490	44.992	-29.008	74.000
7311.000	-3.018	54.800	51.781	-22.219	74.000
9748.000	-2.035	52.600	50.565	-23.435	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	48.640	38.120	-35.880	74.000
7386.000	-3.876	51.080	47.204	-26.796	74.000
9848.000	-2.581	52.770	50.189	-23.811	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	51.600	43.743	-30.257	74.000
7386.000	-2.749	53.480	50.731	-23.269	74.000
9848.000	-2.066	53.710	51.644	-22.356	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	48.660	38.681	-35.319	74.000
7236.000	-4.641	50.320	45.680	-28.320	74.000
9648.000	-1.835	47.350	45.514	-28.486	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	-6.819	49.150	42.332	-31.668	74.000
7236.000	-3.796	52.700	48.904	-25.096	74.000
9648.000	-1.365	47.800	46.435	-27.565	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	48.980	38.708	-35.292	74.000
7311.000	-3.853	51.120	47.266	-26.734	74.000
9748.000	-2.526	47.960	45.434	-28.566	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	49.150	41.652	-32.348	74.000
7311.000	-3.018	53.140	50.121	-23.879	74.000
9748.000	-2.035	49.000	46.965	-27.035	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	48.650	38.130	-35.870	74.000
7386.000	-3.876	49.680	45.804	-28.196	74.000
9848.000	-2.581	48.020	45.439	-28.561	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	35.734	48.840	40.983	-33.017	74.000
7386.000	40.809	51.500	48.751	-25.249	74.000
9848.000	41.597	49.060	46.994	-27.006	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	48.860	38.881	-35.119	74.000
7236.000	-4.641	48.070	43.430	-30.570	74.000
9648.000	-1.835	45.210	43.374	-30.626	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	-6.819	49.620	42.802	-31.198	74.000
7236.000	-3.796	48.760	44.964	-29.036	74.000
9648.000	-1.365	48.120	46.755	-27.245	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	48.950	38.678	-35.322	74.000
7311.000	-3.853	48.940	45.086	-28.914	74.000
9748.000	-2.526	46.820	44.294	-29.706	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	49.520	42.022	-31.978	74.000
7311.000	-3.018	48.620	45.601	-28.399	74.000
9748.000	-2.035	48.310	46.275	-27.725	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	49.410	38.890	-35.110	74.000
7386.000	-3.876	46.750	42.874	-31.126	74.000
9848.000	-2.581	48.370	45.789	-28.211	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	49.520	41.663	-32.337	74.000
7386.000	-2.749	46.920	44.171	-29.829	74.000
9848.000	-2.066	49.810	47.744	-26.256	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4844.000	-10.096	49.210	39.114	-34.886	74.000
7266.000	-4.271	48.270	43.999	-30.001	74.000
9688.000	-2.204	45.910	43.707	-30.293	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4844.000	-7.089	49.940	42.850	-31.150	74.000
7266.000	-3.451	48.690	45.239	-28.761	74.000
9688.000	-1.661	48.020	46.360	-27.640	74.000
Average Detector:					
--					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	49.270	38.998	-35.002	74.000
7311.000	-3.853	48.500	44.646	-29.354	74.000
9748.000	-2.526	45.970	43.444	-30.556	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	49.060	41.562	-32.438	74.000
7311.000	-3.018	49.030	46.011	-27.989	74.000
9748.000	-2.035	48.230	46.195	-27.805	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	-10.435	49.410	38.975	-35.025	74.000
7356.000	-3.867	47.510	43.643	-30.357	74.000
9808.000	-2.726	46.920	44.194	-29.806	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	-7.819	49.710	41.891	-32.109	74.000
7356.000	-2.857	47.370	44.513	-29.487	74.000
9808.000	-2.300	48.350	46.050	-27.950	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	48.120	38.141	-35.859	74.000
7236.000	-4.641	56.250	51.610	-22.390	74.000
9648.000	-1.835	59.990	58.154	-15.846	74.000
Average Detector:					
9648.000	-1.835	54.570	52.734	-1.266	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	51.210	44.392	-29.608	74.000
7236.000	-3.796	58.700	54.904	-19.096	74.000
9648.000	-1.365	62.350	60.985	-13.015	74.000
Average Detector:					
7236.000	-3.796	55.920	52.124	-1.876	54.000
9648.000	-1.365	54.180	52.815	-1.185	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	50.110	39.838	-34.162	74.000
7311.000	-3.853	59.840	55.986	-18.014	74.000
9748.000	-2.526	60.780	58.254	-15.746	74.000
Average Detector:					
7311.000	-3.853	53.880	50.026	-3.974	54.000
9748.000	-2.526	56.300	53.774	-0.226	54.000
Vertical					
Peak Detector:					
4874.000	-7.497	53.990	46.492	-27.508	74.000
7311.000	-3.018	60.900	57.881	-16.119	74.000
9748.000	-2.035	65.540	63.505	-10.495	74.000
Average Detector:					
7311.000	-3.018	55.130	52.111	-1.889	54.000
9748.000	-2.035	54.860	52.825	-1.175	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	49.960	39.440	-34.560	74.000
7386.000	-3.876	58.030	54.154	-19.846	74.000
9848.000	-2.581	58.960	56.379	-17.621	74.000
Average Detector:					
7386.000	-3.876	51.230	47.354	-6.646	54.000
9848.000	-2.581	54.240	51.659	-2.341	54.000
Vertical					
Peak Detector:					
4924.000	-7.856	51.630	43.773	-30.227	74.000
7386.000	-2.749	61.560	58.811	-15.189	74.000
9848.000	-2.066	62.520	60.454	-13.546	74.000
Average Detector:					
7386.000	-2.749	56.210	53.461	-0.539	54.000
9848.000	-2.066	55.630	53.564	-0.436	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	47.960	37.981	-36.019	74.000
7236.000	-4.641	62.370	57.730	-16.270	74.000
9648.000	-1.835	52.960	51.124	-22.876	74.000
Average Detector:					
7236.000	-4.641	47.910	43.270	-10.730	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	48.660	41.842	-32.158	74.000
7236.000	-3.796	63.890	60.094	-13.906	74.000
9648.000	-1.365	63.810	62.445	-11.555	74.000
Average Detector:					
7236.000	-3.796	48.680	44.884	-9.116	54.000
9648.000	-1.365	47.040	45.675	-8.325	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	46.990	36.718	-37.282	74.000
7311.000	-3.853	59.960	56.106	-17.894	74.000
9748.000	-2.526	51.600	49.074	-24.926	74.000
Average Detector:					
7311.000	-3.853	45.740	41.886	-12.114	54.000
Vertical					
Peak Detector:					
4874.000	-7.497	47.630	40.132	-33.868	74.000
7311.000	-3.018	61.610	58.591	-15.409	74.000
9748.000	-2.035	57.850	55.815	-18.185	74.000
Average Detector:					
7311.000	-3.018	47.050	44.031	-9.969	54.000
9748.000	-2.035	42.740	40.705	-13.295	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	47.390	36.870	-37.130	74.000
7386.000	-3.876	58.340	54.464	-19.536	74.000
9848.000	-2.581	50.800	48.219	-25.781	74.000
Average Detector:					
7386.000	-3.876	42.930	39.054	-14.946	54.000
Vertical					
Peak Detector:					
4924.000	-7.856	48.240	40.383	-33.617	74.000
7386.000	-2.749	61.640	58.891	-15.109	74.000
9848.000	-2.066	55.410	53.344	-20.656	74.000
Average Detector:					
7386.000	-2.749	45.950	43.201	-10.799	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	48.060	38.081	-35.919	74.000
7236.000	-4.641	47.640	43.000	-31.000	74.000
9648.000	-1.835	44.740	42.904	-31.096	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	36.745	48.340	41.522	-32.478	74.000
7236.000	39.748	47.710	43.914	-30.086	74.000
9648.000	42.342	46.740	45.375	-28.625	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	48.090	37.818	-36.182	74.000
7311.000	-3.853	47.480	43.626	-30.374	74.000
9748.000	-2.526	44.860	42.334	-31.666	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	47.700	40.202	-33.798	74.000
7311.000	-3.018	47.180	44.161	-29.839	74.000
9748.000	-2.035	45.210	43.175	-30.825	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462 MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	48.020	37.500	-36.500	74.000
7386.000	-3.876	46.320	42.444	-31.556	74.000
9848.000	-2.581	47.180	44.599	-29.401	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	47.740	39.883	-34.117	74.000
7386.000	-2.749	45.830	43.081	-30.919	74.000
9848.000	-2.066	47.270	45.204	-28.796	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	-10.096	47.320	37.224	-36.776	74.000
7266.000	-4.271	47.170	42.899	-31.101	74.000
9688.000	-2.204	44.780	42.577	-31.423	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4844.000	-7.089	48.030	40.940	-33.060	74.000
7266.000	-3.451	47.810	44.359	-29.641	74.000
9688.000	-1.661	45.290	43.630	-30.370	74.000
Average Detector:					
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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	47.480	37.208	-36.792	74.000
7311.000	-3.853	47.120	43.266	-30.734	74.000
9748.000	-2.526	45.270	42.744	-31.256	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	48.360	40.862	-33.138	74.000
7311.000	-3.018	48.110	45.091	-28.909	74.000
9748.000	-2.035	45.190	43.155	-30.845	74.000
Average Detector:					
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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452 MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	-10.435	48.320	37.885	-36.115	74.000
7356.000	-3.867	46.630	42.763	-31.237	74.000
9808.000	-2.726	45.330	42.604	-31.396	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	-7.819	47.590	39.771	-34.229	74.000
7356.000	-2.857	47.080	44.223	-29.777	74.000
9808.000	-2.300	45.290	42.990	-31.010	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	48.010	38.031	-35.969	74.000
7236.000	-4.641	54.120	49.480	-24.520	74.000
9648.000	-1.835	54.070	52.234	-21.766	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	-6.819	51.900	45.082	-28.918	74.000
7236.000	-3.796	60.200	56.404	-17.596	74.000
9648.000	-1.365	59.070	57.705	-16.295	74.000
Average Detector:					
7236.000	-3.796	57.000	53.204	-0.796	54.000
9648.000	-1.365	55.080	53.715	-0.285	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	46.650	36.378	-37.622	74.000
7311.000	-3.853	54.510	50.656	-23.344	74.000
9748.000	-2.526	54.690	52.164	-21.836	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	47.500	40.002	-33.998	74.000
7311.000	-3.018	59.280	56.261	-17.739	74.000
9748.000	-2.035	58.810	56.775	-17.225	74.000
Average Detector:					
7311.000	-3.018	55.540	52.521	-1.479	54.000
9748.000	-2.035	54.570	52.535	-1.465	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	50.150	39.630	-34.370	74.000
7386.000	-3.876	56.160	52.284	-21.716	74.000
9848.000	-2.581	54.490	51.909	-22.091	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	54.360	46.503	-27.497	74.000
7386.000	-2.749	60.240	57.491	-16.509	74.000
9848.000	-2.066	59.660	57.594	-16.406	74.000
Average Detector:					
7386.000	-2.749	55.800	53.051	-0.949	54.000
9848.000	-2.066	55.680	53.614	-0.386	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	51.790	41.811	-32.189	74.000
7236.000	-4.641	59.620	54.980	-19.020	74.000
9648.000	-1.835	53.750	51.914	-22.086	74.000
Average Detector:					
7236.000	-4.641	44.790	40.150	-13.850	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	48.140	41.322	-32.678	74.000
7236.000	-3.796	67.570	63.774	-10.226	74.000
9648.000	-1.365	56.020	54.655	-19.345	74.000
Average Detector:					
7236.000	-3.796	51.550	47.754	-6.246	54.000
9648.000	-1.365	38.800	37.435	-16.565	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	54.130	43.858	-30.142	74.000
7311.000	-3.853	60.880	57.026	-16.974	74.000
9748.000	-2.526	54.680	52.154	-21.846	74.000
Average Detector:					
7311.000	-3.853	46.060	42.206	-11.794	54.000
Vertical					
Peak Detector:					
4874.000	-7.497	47.120	39.622	-34.378	74.000
7311.000	-3.018	65.790	62.771	-11.229	74.000
9748.000	-2.035	55.670	53.635	-20.365	74.000
Average Detector:					
7311.000	-3.018	50.440	47.421	-6.579	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	54.610	44.090	-29.910	74.000
7386.000	-3.876	58.590	54.714	-19.286	74.000
9848.000	-2.581	53.510	50.929	-23.071	74.000
Average Detector:					
7386.000	-3.876	42.860	38.984	-15.016	54.000
Vertical					
Peak Detector:					
4924.000	-7.856	50.780	42.923	-31.077	74.000
7386.000	-2.749	62.940	60.191	-13.809	74.000
9848.000	-2.066	57.580	55.514	-18.486	74.000
Average Detector:					
7386.000	-2.749	47.350	44.601	-9.399	54.000
9848.000	-2.066	36.950	34.884	-19.116	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	53.620	43.641	-30.359	74.000
7236.000	-4.641	55.840	51.200	-22.800	74.000
9648.000	-1.835	53.050	51.214	-22.786	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	-6.819	55.210	48.392	-25.608	74.000
7236.000	-3.796	62.400	58.604	-15.396	74.000
9648.000	-1.365	56.480	55.115	-18.885	74.000
Average Detector:					
7236.000	-3.796	45.620	41.824	-12.176	54.000
9648.000	-1.365	42.900	41.535	-12.465	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	53.690	43.418	-30.582	74.000
7311.000	-3.853	55.660	51.806	-22.194	74.000
9748.000	-2.526	51.860	49.334	-24.666	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	56.090	48.592	-25.408	74.000
7311.000	-3.018	61.560	58.541	-15.459	74.000
9748.000	-2.035	55.060	53.025	-20.975	74.000
Average Detector:					
7311.000	-3.018	45.460	42.441	-11.559	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	52.260	41.740	-32.260	74.000
7386.000	-3.876	52.780	48.904	-25.096	74.000
9848.000	-2.581	51.310	48.729	-25.271	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	56.810	48.953	-25.047	74.000
7386.000	-2.749	57.480	54.731	-19.269	74.000
9848.000	-2.066	54.210	52.144	-21.856	74.000
Average Detector:					
7386.000	-2.749	40.230	37.481	-16.519	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	-10.096	53.410	43.314	-30.686	74.000
7266.000	-4.271	49.860	45.589	-28.411	74.000
9688.000	-2.204	45.650	43.447	-30.553	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4844.000	-7.089	51.710	44.620	-29.380	74.000
7266.000	-3.451	54.640	51.189	-22.811	74.000
9688.000	-1.661	48.060	46.400	-27.600	74.000
Average Detector:					
--					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	46.510	36.238	-37.762	74.000
7311.000	-3.853	48.630	44.776	-29.224	74.000
9748.000	-2.526	44.760	42.234	-31.766	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	46.610	39.112	-34.888	74.000
7311.000	-3.018	53.270	50.251	-23.749	74.000
9748.000	-2.035	47.120	45.085	-28.915	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/17
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	-10.435	48.500	38.065	-35.935	74.000
7356.000	-3.867	50.130	46.263	-27.737	74.000
9808.000	-2.726	47.390	44.664	-29.336	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	-7.819	51.130	43.311	-30.689	74.000
7356.000	-2.857	55.560	52.703	-21.297	74.000
9808.000	-2.300	49.660	47.360	-26.640	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	50.170	40.191	-33.809	74.000
7236.000	-4.641	58.690	54.050	-19.950	74.000
9648.000	-1.835	56.580	54.744	-19.256	74.000
Average Detector:					
7236.000	-4.641	53.940	49.300	-4.700	54.000
9648.000	-1.835	47.460	45.624	-8.376	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	52.000	45.182	-28.818	74.000
7236.000	-3.796	60.570	56.774	-17.226	74.000
9648.000	-1.365	60.150	58.785	-15.215	74.000
Average Detector:					
7236.000	-3.796	56.130	52.334	-1.666	54.000
9648.000	-1.365	54.170	52.805	-1.195	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	52.410	42.138	-31.862	74.000
7311.000	-3.853	58.230	54.376	-19.624	74.000
9748.000	-2.526	48.390	45.864	-28.136	74.000
Average Detector:					
7311.000	-3.853	54.090	50.236	-3.764	54.000
Vertical					
Peak Detector:					
4874.000	-7.497	53.430	45.932	-28.068	74.000
7311.000	-3.018	60.150	57.131	-16.869	74.000
9748.000	-2.035	51.920	49.885	-24.115	74.000
Average Detector:					
7311.000	-3.853	56.820	52.966	-1.034	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	48.000	37.480	-36.520	74.000
7386.000	-3.876	57.260	53.384	-20.616	74.000
9848.000	-2.581	55.100	52.519	-21.481	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	35.734	50.340	42.483	-31.517	74.000
7386.000	40.809	60.130	57.381	-16.619	74.000
9848.000	-2.066	56.830	54.764	-19.236	74.000
Average Detector:					
7386.000	-2.749	55.280	52.531	-1.469	54.000
9848.000	-2.066	52.360	50.294	-3.706	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	50.530	40.551	-33.449	74.000
7236.000	-4.641	60.150	55.510	-18.490	74.000
9648.000	-1.835	52.640	50.804	-23.196	74.000
Average Detector:					
7236.000	-4.641	43.640	39.000	-15.000	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	52.230	45.412	-28.588	74.000
7236.000	-3.796	62.020	58.224	-15.776	74.000
9648.000	-1.365	57.100	55.735	-18.265	74.000
Average Detector:					
7236.000	-3.796	45.550	41.754	-12.246	54.000
9648.000	-1.365	35.190	33.825	-20.175	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	55.810	45.538	-28.462	74.000
7311.000	-3.853	60.600	56.746	-17.254	74.000
9748.000	-2.526	55.710	53.184	-20.816	74.000
Average Detector:					
7311.000	-3.853	45.300	41.446	-12.554	54.000
Vertical					
Peak Detector:					
4874.000	-7.497	56.750	49.252	-24.748	74.000
7311.000	-3.018	61.100	58.081	-15.919	74.000
9748.000	-2.035	60.180	58.145	-15.855	74.000
Average Detector:					
7311.000	-3.018	46.730	43.711	-10.289	54.000
9748.000	-2.035	36.900	34.865	-19.135	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	46.880	36.360	-37.640	74.000
7386.000	-3.876	57.950	54.074	-19.926	74.000
9848.000	-2.581	51.120	48.539	-25.461	74.000
Average Detector:					
7386.000	-3.876	41.170	37.294	-16.706	54.000
Vertical					
Peak Detector:					
4924.000	-7.856	46.810	38.953	-35.047	74.000
7386.000	-3.876	58.620	54.744	-19.256	74.000
9848.000	-2.066	52.160	50.094	-23.906	74.000
Average Detector:					
7386.000	-2.749	44.170	41.421	-12.579	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	47.340	37.361	-36.639	74.000
7236.000	-4.641	45.320	40.680	-33.320	74.000
9648.000	-1.835	42.840	41.004	-32.996	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	-6.819	47.560	40.742	-33.258	74.000
7236.000	-4.641	46.560	41.920	-32.080	74.000
9648.000	-1.835	42.800	40.964	-33.036	74.000
Average Detector:					
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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	47.940	37.668	-36.332	74.000
7311.000	-3.853	46.220	42.366	-31.634	74.000
9748.000	-2.526	42.110	39.584	-34.416	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	47.140	39.642	-34.358	74.000
7311.000	-3.018	46.580	43.561	-30.439	74.000
9748.000	-2.035	42.290	40.255	-33.745	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	46.480	35.960	-38.040	74.000
7386.000	-3.876	44.630	40.754	-33.246	74.000
9848.000	-2.581	44.060	41.479	-32.521	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	46.870	39.013	-34.987	74.000
7386.000	-2.749	45.200	42.451	-31.549	74.000
9848.000	-2.066	45.820	43.754	-30.246	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4844.000	-10.096	46.740	36.644	-37.356	74.000
7266.000	-4.271	45.700	41.429	-32.571	74.000
9688.000	-2.204	42.770	40.567	-33.433	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4844.000	-7.089	47.130	40.040	-33.960	74.000
7266.000	-3.451	46.170	42.719	-31.281	74.000
9688.000	-1.661	42.650	40.990	-33.010	74.000
Average Detector:					
--					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	46.480	36.208	-37.792	74.000
7311.000	-3.853	45.460	41.606	-32.394	74.000
9748.000	-2.526	42.730	40.204	-33.796	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	46.930	39.432	-34.568	74.000
7311.000	-3.018	45.830	42.811	-31.189	74.000
9748.000	-2.035	42.570	40.535	-33.465	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/20
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	46.210	35.690	-38.310	74.000
7386.000	-3.876	43.560	39.684	-34.316	74.000
9848.000	-2.581	43.970	41.389	-32.611	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	46.630	38.773	-35.227	74.000
7386.000	-2.749	42.960	40.211	-33.789	74.000
9848.000	-2.066	44.980	42.914	-31.086	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	52.050	42.071	-31.929	74.000
7236.000	-4.641	66.990	62.350	-11.650	74.000
9648.000	-1.835	58.610	56.774	-17.226	74.000
Average Detector:					
7236.000	-4.641	57.790	53.150	-0.850	54.000
9648.000	-1.835	53.450	51.614	-2.386	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	57.150	50.332	-23.668	74.000
7236.000	-3.796	60.590	56.794	-17.206	74.000
9648.000	-1.365	59.640	58.275	-15.725	74.000
Average Detector:					
7236.000	-3.796	56.860	53.064	-0.936	54.000
9648.000	-1.365	54.070	52.705	-1.295	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	58.040	47.768	-26.232	74.000
7311.000	-3.853	55.940	52.086	-21.914	74.000
9748.000	-2.526	53.630	51.104	-22.896	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	48.500	41.002	-32.998	74.000
7311.000	-3.018	59.680	56.661	-17.339	74.000
9748.000	-2.035	56.970	54.935	-19.065	74.000
Average Detector:					
7311.000	-3.018	56.070	53.051	-0.949	54.000
9748.000	-2.035	51.430	49.395	-4.605	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	47.980	37.460	-36.540	74.000
7386.000	-3.876	61.780	57.904	-16.096	74.000
9848.000	-2.581	51.740	49.159	-24.841	74.000
Average Detector:					
7386.000	-3.876	50.590	46.714	-7.286	54.000
Vertical					
Peak Detector:					
4924.000	-7.856	49.290	41.433	-32.567	74.000
7386.000	-2.749	66.110	63.361	-10.639	74.000
9848.000	-2.066	56.400	54.334	-19.666	74.000
Average Detector:					
7386.000	-2.749	54.290	51.541	-2.459	54.000
9848.000	-2.066	48.520	46.454	-7.546	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	48.160	38.181	-35.819	74.000
7236.000	-4.641	65.340	60.700	-13.300	74.000
9648.000	-1.835	55.340	53.504	-20.496	74.000
Average Detector:					
7236.000	-4.641	51.000	46.360	-7.640	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	48.200	41.382	-32.618	74.000
7236.000	-3.796	66.630	62.834	-11.166	74.000
9648.000	-1.365	57.060	55.695	-18.305	74.000
Average Detector:					
7236.000	-3.796	50.760	46.964	-7.036	54.000
9648.000	-1.365	41.310	39.945	-14.055	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	47.610	37.338	-36.662	74.000
7311.000	-3.853	62.190	58.336	-15.664	74.000
9748.000	-2.526	55.220	52.694	-21.306	74.000
Average Detector:					
7311.000	-3.853	48.190	44.336	-9.664	54.000
Vertical					
Peak Detector:					
4874.000	-7.497	52.680	45.182	-28.818	74.000
7311.000	-3.018	67.350	64.331	-9.669	74.000
9748.000	-2.035	56.820	54.785	-19.215	74.000
Average Detector:					
7311.000	-3.018	52.550	49.531	-4.469	54.000
9748.000	-2.035	38.740	36.705	-17.295	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	50.200	39.680	-34.320	74.000
7386.000	-3.876	59.450	55.574	-18.426	74.000
9848.000	-2.581	51.530	48.949	-25.051	74.000
Average Detector:					
7386.000	-3.876	44.340	40.464	-13.536	54.000
Vertical					
Peak Detector:					
4924.000	-7.856	49.490	41.633	-32.367	74.000
7386.000	-2.749	62.990	60.241	-13.759	74.000
9848.000	-2.066	54.330	52.264	-21.736	74.000
Average Detector:					
7386.000	-2.749	47.740	44.991	-9.009	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2412MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	-9.979	56.610	46.631	-27.369	74.000
7236.000	-4.641	59.040	54.400	-19.600	74.000
9648.000	-1.835	55.590	53.754	-20.246	74.000
Average Detector:					
7236.000	-4.641	44.710	40.070	-13.930	54.000
Vertical					
Peak Detector:					
4824.000	-6.819	56.740	49.922	-24.078	74.000
7236.000	-3.796	61.910	58.114	-15.886	74.000
9648.000	-1.365	59.480	58.115	-15.885	74.000
Average Detector:					
7236.000	-3.796	45.870	42.074	-11.926	54.000
9648.000	-1.365	36.500	35.135	-18.865	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	55.670	45.398	-28.602	74.000
7311.000	-3.853	56.990	53.136	-20.864	74.000
9748.000	-2.526	55.180	52.654	-21.346	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	57.550	50.052	-23.948	74.000
7311.000	-3.018	60.710	57.691	-16.309	74.000
9748.000	-2.035	55.620	53.585	-20.415	74.000
Average Detector:					
7311.000	-3.018	46.070	43.051	-10.949	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2462 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	-10.519	56.140	45.620	-28.380	74.000
7386.000	-3.876	55.710	51.834	-22.166	74.000
9848.000	-2.581	52.720	50.139	-23.861	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	-7.856	56.640	48.783	-25.217	74.000
7386.000	-2.749	56.720	53.971	-20.029	74.000
9848.000	-2.066	56.350	54.284	-19.716	74.000
Average Detector:					
9848.000	-2.066	40.960	38.894	-15.106	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2422MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4844.000	-10.096	46.810	36.714	-37.286	74.000
7266.000	-4.271	51.870	47.599	-26.401	74.000
9688.000	-2.204	47.390	45.187	-28.813	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4844.000	-7.089	46.900	39.810	-34.190	74.000
7266.000	-3.451	53.720	50.269	-23.731	74.000
9688.000	-1.661	48.460	46.800	-27.200	74.000
Average Detector:					
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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	-10.271	46.190	35.918	-38.082	74.000
7311.000	-3.853	50.100	46.246	-27.754	74.000
9748.000	-2.526	46.560	44.034	-29.966	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	-7.497	46.880	39.382	-34.618	74.000
7311.000	-3.018	51.560	48.541	-25.459	74.000
9748.000	-2.035	43.190	41.155	-32.845	74.000
Average Detector:					
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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/05/18
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2452 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	-10.435	46.080	35.645	-38.355	74.000
7356.000	-3.867	52.100	48.233	-25.767	74.000
9808.000	-2.726	44.820	42.094	-31.906	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	-7.819	54.440	46.621	-27.379	74.000
7356.000	-2.857	54.670	51.813	-22.187	74.000
9808.000	-2.300	49.130	46.830	-27.170	74.000
Average Detector:					
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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
140.580	-7.561	48.635	41.074	-2.426	43.500
240.490	-6.662	43.708	37.045	-8.955	46.000
375.320	0.918	40.423	41.341	-4.659	46.000
500.450	2.035	37.899	39.934	-6.066	46.000
624.610	1.507	32.995	34.502	-11.498	46.000
874.870	5.765	28.314	34.079	-11.921	46.000
Vertical					
40.670	-12.130	44.034	31.904	-8.096	40.000
111.480	-3.439	40.713	37.275	-6.225	43.500
195.870	-5.682	39.209	33.527	-9.973	43.500
375.320	0.388	38.429	38.817	-7.183	46.000
624.610	0.387	31.711	32.098	-13.902	46.000
874.870	0.345	23.216	23.561	-22.439	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
151.250	-7.898	46.880	38.982	-4.518	43.500
237.580	-7.697	40.340	32.643	-13.357	46.000
375.320	0.918	39.343	40.261	-5.739	46.000
500.450	2.035	37.158	39.193	-6.807	46.000
624.610	1.507	32.137	33.644	-12.356	46.000
874.870	5.765	27.697	33.462	-12.538	46.000
Vertical					
41.640	-11.715	44.922	33.208	-6.792	40.000
81.410	-4.676	38.917	34.241	-5.759	40.000
180.350	-1.132	34.292	33.160	-10.340	43.500
375.320	0.388	39.089	39.477	-6.523	46.000
624.610	0.387	31.821	32.208	-13.792	46.000
874.870	0.345	23.412	23.757	-22.243	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
164.830	-9.947	50.018	40.071	-3.429	43.500
240.490	-6.662	41.544	34.881	-11.119	46.000
375.320	0.918	39.612	40.530	-5.470	46.000
500.450	2.035	36.641	38.676	-7.324	46.000
624.610	1.507	32.680	34.187	-11.813	46.000
874.870	5.765	27.357	33.122	-12.878	46.000
Vertical					
43.580	-10.919	43.465	32.546	-7.454	40.000
179.380	-0.824	33.677	32.853	-10.647	43.500
375.320	0.388	39.006	39.394	-6.606	46.000
500.450	-0.115	28.385	28.270	-17.730	46.000
624.610	0.387	31.742	32.129	-13.871	46.000
874.870	0.345	23.239	23.584	-22.416	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
138.640	-7.519	47.095	39.576	-3.924	43.500
235.640	-8.490	40.335	31.845	-14.155	46.000
375.320	0.918	38.151	39.069	-6.931	46.000
499.480	1.991	35.874	37.864	-8.136	46.000
624.610	1.507	32.826	34.333	-11.667	46.000
874.870	5.765	27.886	33.651	-12.349	46.000
Vertical					
43.580	-10.919	43.985	33.066	-6.934	40.000
113.420	-3.709	42.602	38.893	-4.607	43.500
196.840	-5.691	40.024	34.333	-9.167	43.500
375.320	0.388	39.597	39.985	-6.015	46.000
624.610	0.387	32.674	33.061	-12.939	46.000
874.870	0.345	23.909	24.254	-21.746	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
137.670	-7.504	45.709	38.204	-5.296	43.500
237.580	-7.697	38.936	31.239	-14.761	46.000
375.320	0.918	39.575	40.493	-5.507	46.000
500.450	2.035	35.295	37.330	-8.670	46.000
624.610	1.507	31.033	32.540	-13.460	46.000
874.870	5.765	26.064	31.829	-14.171	46.000
Vertical					
42.610	-11.321	43.377	32.056	-7.944	40.000
111.480	-3.439	43.192	39.754	-3.746	43.500
196.840	-5.691	44.231	38.540	-4.960	43.500
375.320	0.388	36.710	37.098	-8.902	46.000
624.610	0.387	30.910	31.297	-14.703	46.000
874.870	0.345	22.325	22.670	-23.330	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.7)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
142.520	-7.627	47.877	40.250	-3.250	43.500
240.490	-6.662	41.707	35.044	-10.956	46.000
375.320	0.918	40.911	41.829	-4.171	46.000
500.450	2.035	34.747	36.782	-9.218	46.000
624.610	1.507	30.666	32.173	-13.827	46.000
874.870	5.765	27.096	32.861	-13.139	46.000
Vertical					
41.640	-11.715	43.764	32.050	-7.950	40.000
110.510	-3.383	42.417	39.034	-4.466	43.500
196.840	-5.691	42.822	37.131	-6.369	43.500
375.320	0.388	36.382	36.770	-9.230	46.000
624.610	0.387	30.408	30.795	-15.205	46.000
874.870	0.345	21.791	22.136	-23.864	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
169.680	-9.726	50.041	40.315	-3.185	43.500
243.400	-6.546	40.341	33.795	-12.205	46.000
375.320	0.918	39.558	40.476	-5.524	46.000
500.450	2.035	34.347	36.382	-9.618	46.000
624.610	1.507	30.286	31.793	-14.207	46.000
874.870	5.765	25.625	31.390	-14.610	46.000
Vertical					
41.640	-11.715	43.472	31.758	-8.242	40.000
124.090	-3.677	40.686	37.009	-6.491	43.500
198.780	-5.708	42.728	37.020	-6.480	43.500
375.320	0.388	36.475	36.863	-9.137	46.000
624.610	0.387	30.727	31.114	-14.886	46.000
874.870	0.345	21.972	22.317	-23.683	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.7)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
143.490	-7.665	47.882	40.217	-3.283	43.500
242.430	-6.568	41.417	34.849	-11.151	46.000
375.320	0.918	40.982	41.900	-4.100	46.000
500.450	2.035	34.188	36.223	-9.777	46.000
624.610	1.507	30.273	31.780	-14.220	46.000
874.870	5.765	26.834	32.599	-13.401	46.000
Vertical					
90.140	-4.175	40.946	36.771	-6.729	43.500
196.840	-5.691	42.984	37.293	-6.207	43.500
375.320	0.388	40.039	40.427	-5.573	46.000
500.450	-0.115	30.319	30.204	-15.796	46.000
624.610	0.387	30.851	31.238	-14.762	46.000
874.870	0.345	22.086	22.431	-23.569	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
169.680	-9.726	45.695	35.969	-7.531	43.500
240.490	-6.662	34.330	27.667	-18.333	46.000
375.320	0.918	39.311	40.229	-5.771	46.000
500.450	2.035	38.563	40.598	-5.402	46.000
624.610	1.507	40.531	42.038	-3.962	46.000
874.870	5.765	23.350	29.115	-16.885	46.000
Vertical					
109.540	-3.507	40.959	37.451	-6.049	43.500
199.750	-5.717	40.607	34.890	-8.610	43.500
375.320	0.388	39.401	39.789	-6.211	46.000
500.450	-0.115	29.313	29.198	-16.802	46.000
624.610	0.387	32.371	32.758	-13.242	46.000
874.870	0.345	27.791	28.136	-17.864	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
199.750	-9.827	46.570	36.743	-6.757	43.500
263.770	-5.493	33.032	27.539	-18.461	46.000
375.320	0.918	40.234	41.152	-4.848	46.000
500.450	2.035	38.870	40.905	-5.095	46.000
624.610	1.507	40.523	42.030	-3.970	46.000
800.180	6.417	23.733	30.150	-15.850	46.000
Vertical					
111.480	-3.439	41.330	37.892	-5.608	43.500
199.750	-5.717	40.622	34.905	-8.595	43.500
375.320	0.388	39.573	39.961	-6.039	46.000
500.450	-0.115	29.931	29.816	-16.184	46.000
624.610	0.387	32.438	32.825	-13.175	46.000
874.870	0.345	28.674	29.019	-16.981	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
169.680	-9.726	45.964	36.238	-7.262	43.500
239.520	-6.878	35.105	28.227	-17.773	46.000
375.320	0.918	39.509	40.427	-5.573	46.000
500.450	2.035	38.496	40.531	-5.469	46.000
624.610	1.507	40.655	42.162	-3.838	46.000
800.180	6.417	24.123	30.540	-15.460	46.000
Vertical					
125.060	-3.725	39.839	36.114	-7.386	43.500
198.780	-5.708	43.205	37.497	-6.003	43.500
375.320	0.388	39.594	39.982	-6.018	46.000
500.450	-0.115	29.716	29.601	-16.399	46.000
624.610	0.387	32.251	32.638	-13.362	46.000
874.870	0.345	29.394	29.739	-16.261	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
143.490	-7.665	43.699	36.034	-7.466	43.500
240.490	-6.662	35.231	28.568	-17.432	46.000
375.320	0.918	39.882	40.800	-5.200	46.000
500.450	2.035	38.760	40.795	-5.205	46.000
624.610	1.507	37.041	38.548	-7.452	46.000
800.180	6.417	23.991	30.408	-15.592	46.000
Vertical					
107.600	-4.027	42.565	38.538	-4.962	43.500
199.750	-5.717	40.295	34.578	-8.922	43.500
375.320	0.388	39.529	39.917	-6.083	46.000
500.450	-0.115	29.838	29.723	-16.277	46.000
624.610	0.387	32.362	32.749	-13.251	46.000
874.870	0.345	31.280	31.625	-14.375	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
40.670	-4.780	37.135	32.355	-7.645	40.000
204.600	-10.493	43.851	33.358	-10.142	43.500
375.320	0.918	35.216	36.134	-9.866	46.000
500.450	2.035	34.695	36.730	-9.270	46.000
624.610	1.507	39.673	41.180	-4.820	46.000
874.870	5.765	21.034	26.799	-19.201	46.000
Vertical					
130.880	-3.777	42.689	38.911	-4.589	43.500
241.460	-6.000	34.682	28.682	-17.318	46.000
375.320	0.388	38.551	38.939	-7.061	46.000
500.450	-0.115	29.499	29.384	-16.616	46.000
624.610	0.387	33.969	34.356	-11.644	46.000
874.870	0.345	28.949	29.294	-16.706	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
112.450	-7.473	45.717	38.243	-5.257	43.500
200.720	-9.846	40.951	31.105	-12.395	43.500
375.320	0.918	33.738	34.656	-11.344	46.000
500.450	2.035	32.976	35.011	-10.989	46.000
624.610	1.507	39.733	41.240	-4.760	46.000
874.870	5.765	21.186	26.951	-19.049	46.000
Vertical					
171.620	-3.691	39.553	35.862	-7.638	43.500
242.430	-5.988	36.292	30.304	-15.696	46.000
375.320	0.388	38.282	38.670	-7.330	46.000
500.450	-0.115	29.508	29.393	-16.607	46.000
624.610	0.387	33.913	34.300	-11.700	46.000
874.870	0.345	29.944	30.289	-15.711	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
112.450	-7.473	46.294	38.820	-4.680	43.500
200.720	-9.846	42.215	32.369	-11.131	43.500
375.320	0.918	33.833	34.751	-11.249	46.000
500.450	2.035	33.153	35.188	-10.812	46.000
624.610	1.507	39.733	41.240	-4.760	46.000
874.870	5.765	21.161	26.926	-19.074	46.000
Vertical					
133.790	-3.999	42.580	38.581	-4.919	43.500
203.630	-5.517	41.507	35.989	-7.511	43.500
375.320	0.388	38.178	38.566	-7.434	46.000
499.480	-0.199	28.376	28.176	-17.824	46.000
624.610	0.387	33.832	34.219	-11.781	46.000
874.870	0.345	32.206	32.551	-13.449	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/03/21
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
114.390	-7.414	46.330	38.916	-4.584	43.500
201.690	-9.995	40.861	30.866	-12.634	43.500
375.320	0.918	33.396	34.314	-11.686	46.000
500.450	2.035	33.213	35.248	-10.752	46.000
624.610	1.507	39.779	41.286	-4.714	46.000
874.870	5.765	21.255	27.020	-18.980	46.000
Vertical					
131.850	-3.855	43.002	39.147	-4.353	43.500
202.660	-5.573	42.932	37.360	-6.140	43.500
375.320	0.388	39.519	39.907	-6.093	46.000
500.450	-0.115	29.813	29.698	-16.302	46.000
624.610	0.387	33.958	34.345	-11.655	46.000
874.870	0.345	30.617	30.962	-15.038	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/06/29
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
117.159	-7.352	44.826	37.474	-6.026	43.500
299.913	-4.722	47.252	42.530	-3.470	46.000
499.536	1.993	41.191	43.184	-2.816	46.000
700.565	2.807	36.160	38.967	-7.033	46.000
850.986	6.837	28.851	35.688	-10.312	46.000
900.188	5.824	35.692	41.516	-4.484	46.000
Vertical					
159.333	-5.138	43.928	38.790	-4.710	43.500
321.000	-4.153	41.978	37.825	-8.175	46.000
499.536	-0.194	37.430	37.235	-8.765	46.000
600.754	1.367	37.404	38.771	-7.229	46.000
800.377	2.664	37.686	40.350	-5.650	46.000
938.145	3.145	30.521	33.666	-12.334	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/06/29
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
117.159	-7.352	43.961	36.609	-6.891	43.500
299.913	-4.722	46.686	41.964	-4.036	46.000
461.580	3.960	36.548	40.508	-5.492	46.000
599.348	3.490	36.658	40.147	-5.853	46.000
700.565	2.807	36.373	39.180	-6.820	46.000
938.145	6.750	31.407	38.157	-7.843	46.000
Vertical					
176.203	-1.616	39.742	38.126	-5.374	43.500
319.594	-4.140	41.641	37.501	-8.499	46.000
380.043	0.952	38.582	39.534	-6.466	46.000
499.536	-0.194	37.319	37.124	-8.876	46.000
600.754	1.367	37.079	38.446	-7.554	46.000
800.377	2.664	38.090	40.754	-5.246	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/06/29
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (2437 MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
164.957	-9.943	49.151	39.208	-4.292	43.500
266.174	-5.508	45.449	39.942	-6.058	46.000
460.174	3.874	37.353	41.226	-4.774	46.000
541.710	3.821	34.897	38.718	-7.282	46.000
700.565	2.807	37.132	39.939	-6.061	46.000
938.145	6.750	32.967	39.717	-6.283	46.000
Vertical					
156.522	-5.207	41.190	35.982	-7.518	43.500
378.638	0.816	38.406	39.222	-6.778	46.000
499.536	-0.194	38.265	38.070	-7.930	46.000
600.754	1.367	36.377	37.744	-8.256	46.000
800.377	2.664	38.578	41.242	-4.758	46.000
900.188	1.948	32.909	34.857	-11.143	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/06/29
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (2437 MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
169.174	-9.749	47.998	38.249	-5.251	43.500
285.855	-5.633	43.821	38.189	-7.811	46.000
458.768	3.310	38.813	42.123	-3.877	46.000
533.275	3.125	36.643	39.768	-6.232	46.000
700.565	2.807	36.127	38.934	-7.066	46.000
867.855	6.047	30.211	36.257	-9.743	46.000
Vertical					
135.435	-4.221	40.191	35.970	-7.530	43.500
321.000	-4.153	45.696	41.543	-4.457	46.000
499.536	-0.194	38.733	38.538	-7.462	46.000
600.754	1.367	36.753	38.120	-7.880	46.000
800.377	2.664	38.192	40.856	-5.144	46.000
900.188	1.948	33.252	35.200	-10.800	46.000

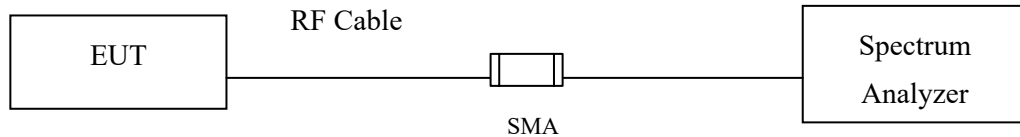
Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The emission levels of other frequencies are very lower than the limit and not show in test report.

5. RF Antenna conducted test

5.1. Test Setup

RF antenna Conducted Measurement:



5.2. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.3. Test Procedure

The EUT was tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.4. Uncertainty

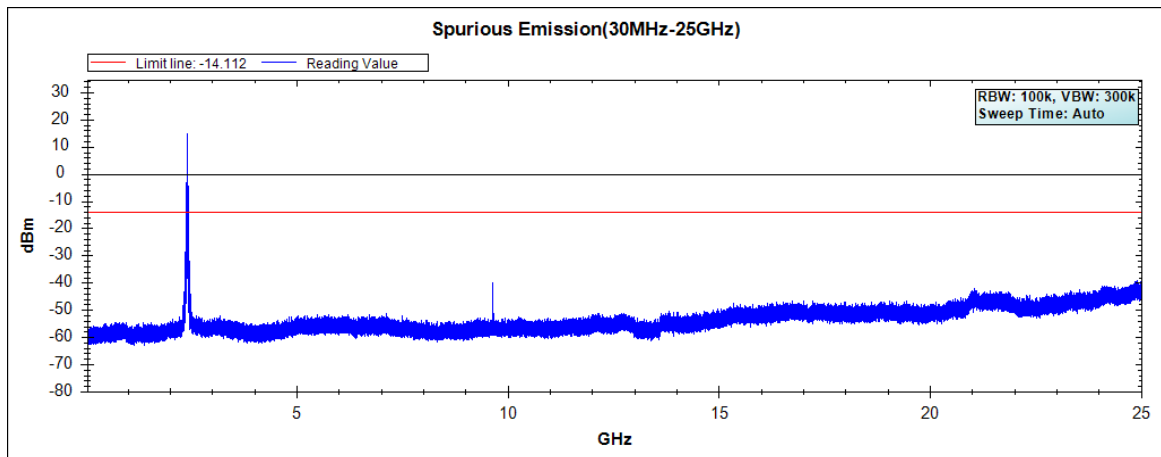
The measurement uncertainty

Conducted is defined as $\pm 1.20\text{dB}$

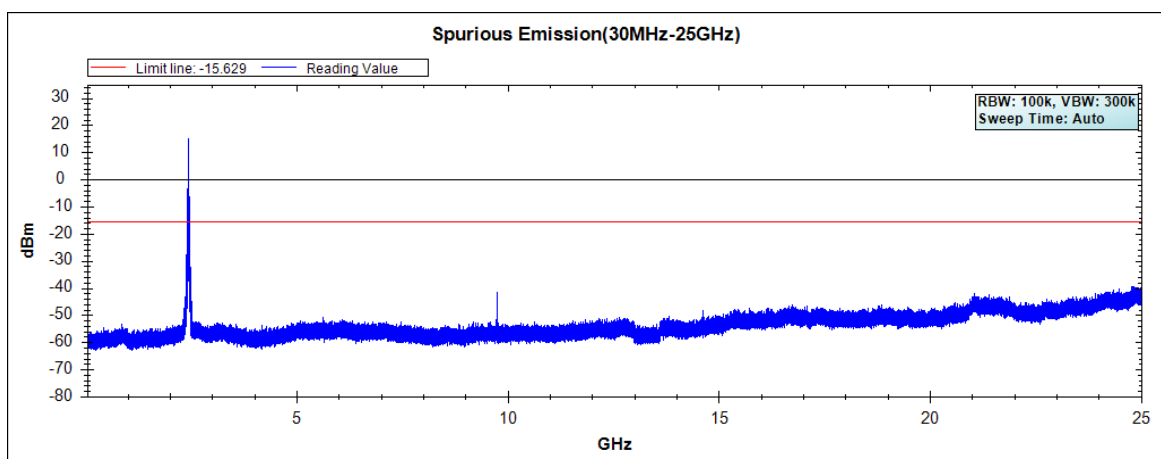
5.5. Test Result of RF antenna conducted test

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.1)

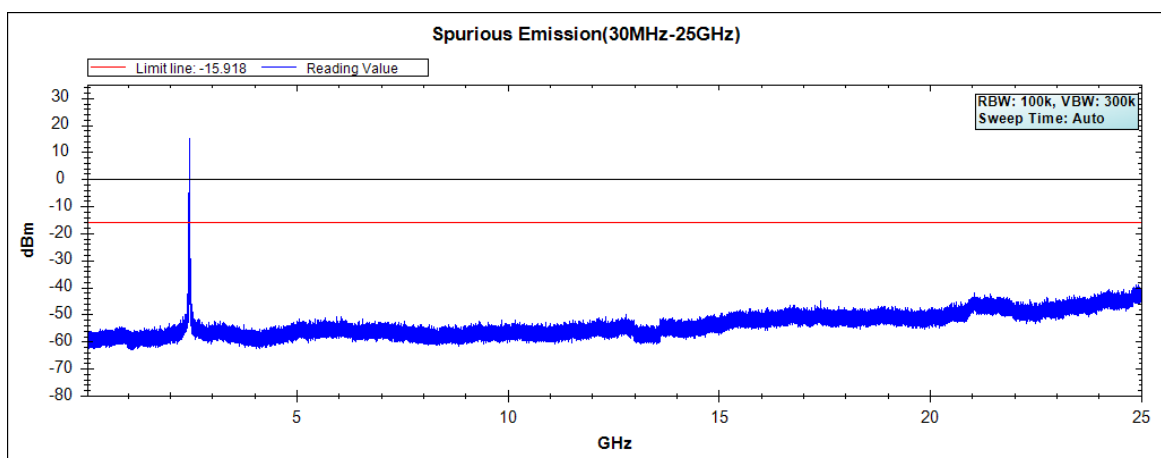
Channel 01 (2412MHz) 30MHz-25GHz



Channel 06 (2437MHz) 30MHz -25GHz

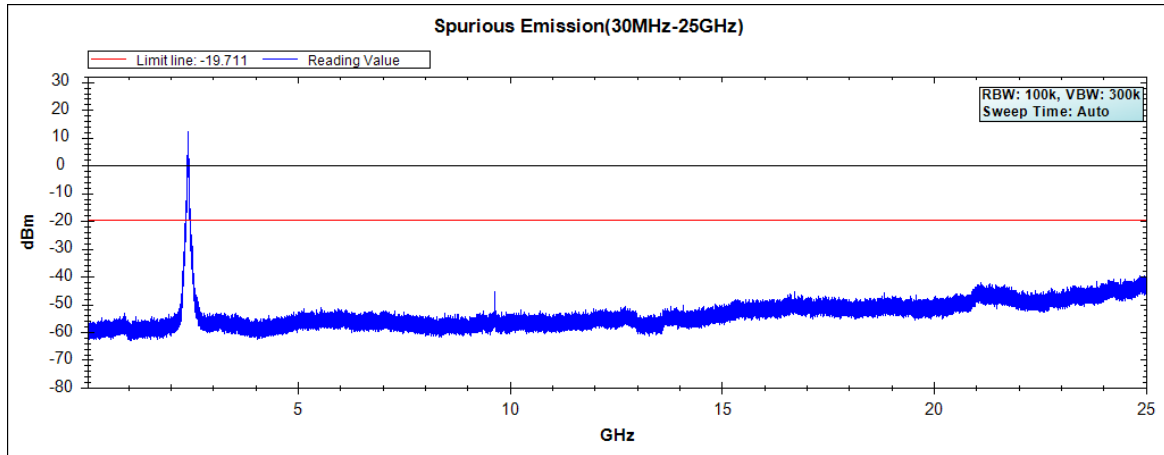
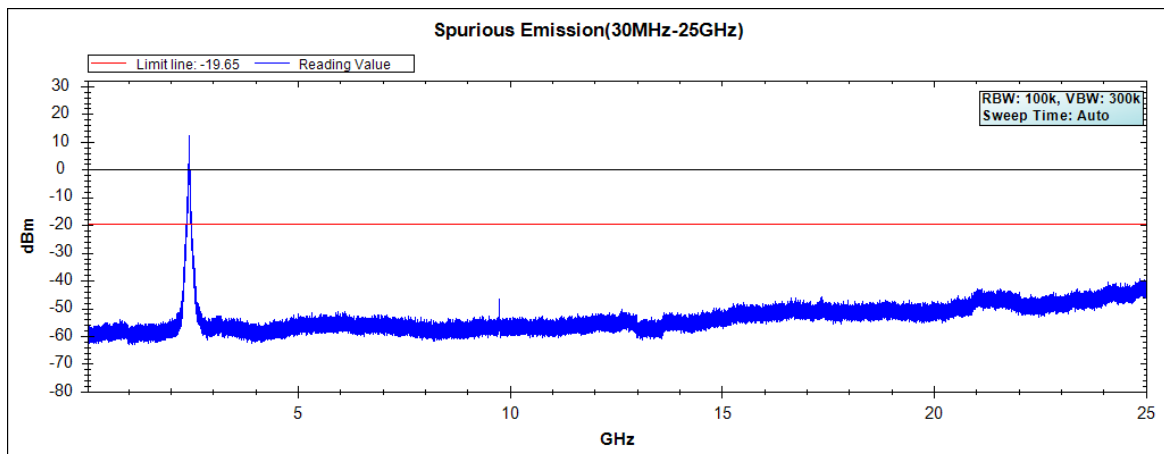
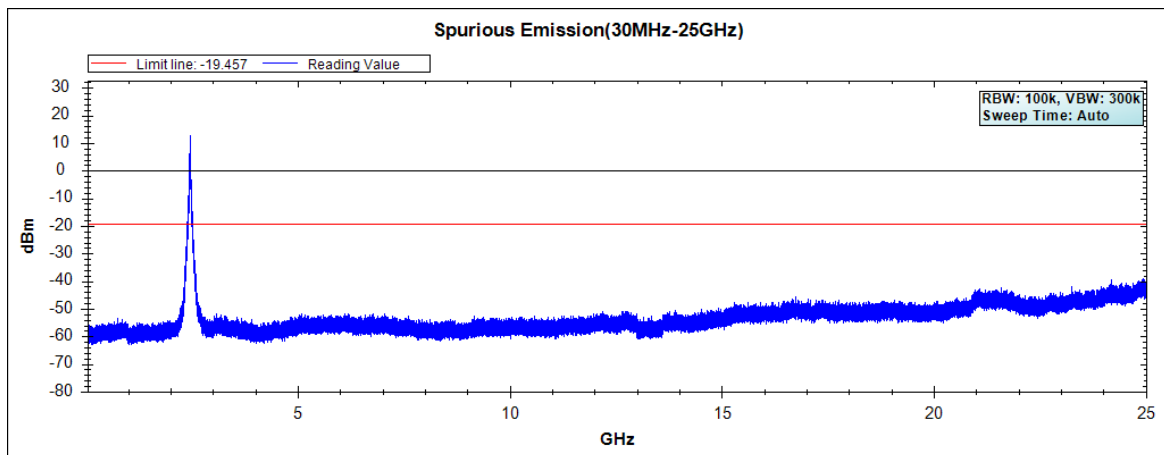


Channel 11 (2462MHz) 30MHz -25GHz



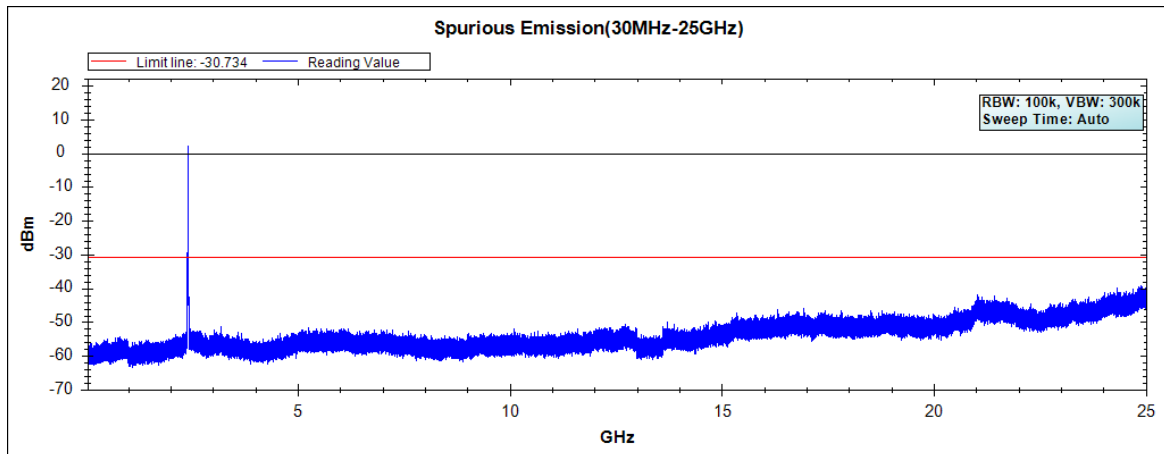
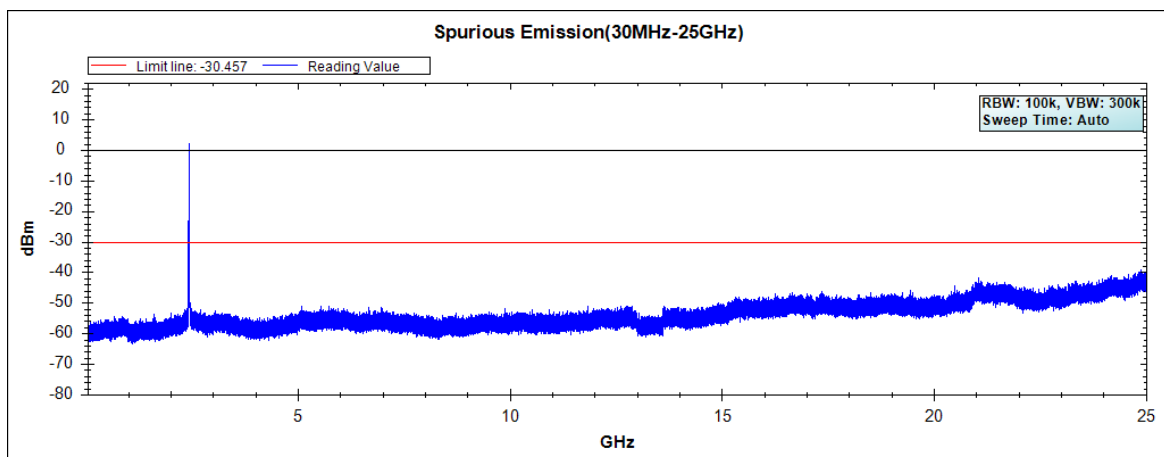
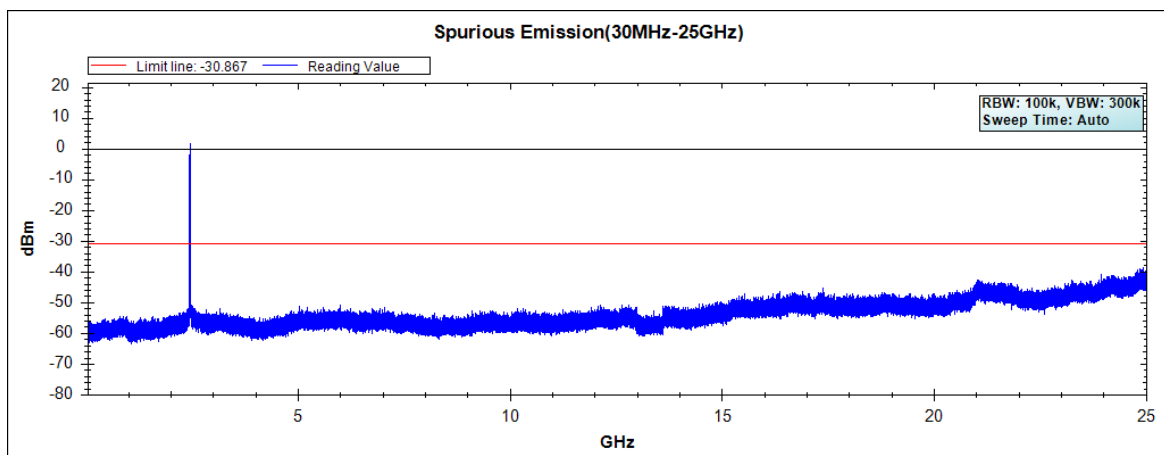
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.1)

Channel 01 (2412MHz) 30MHz -25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

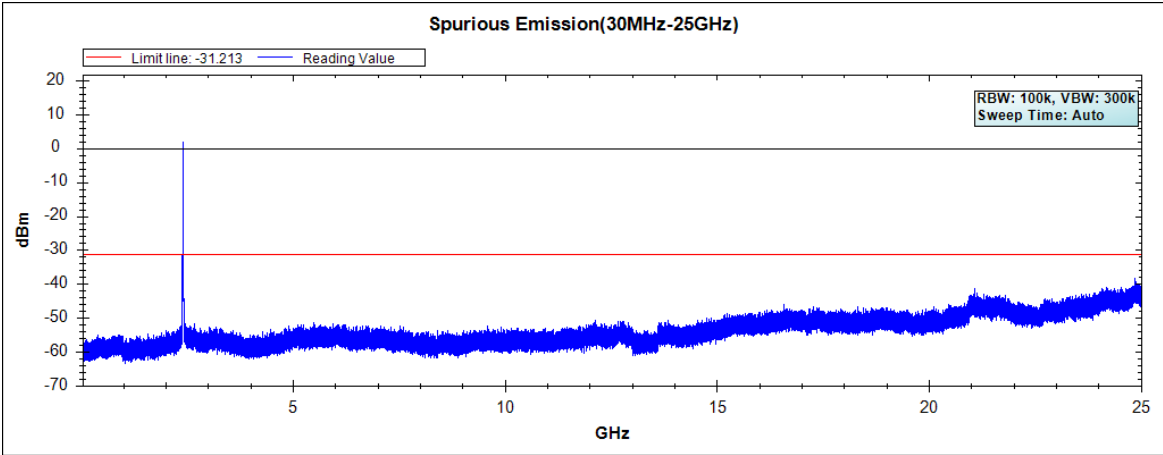
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.1)

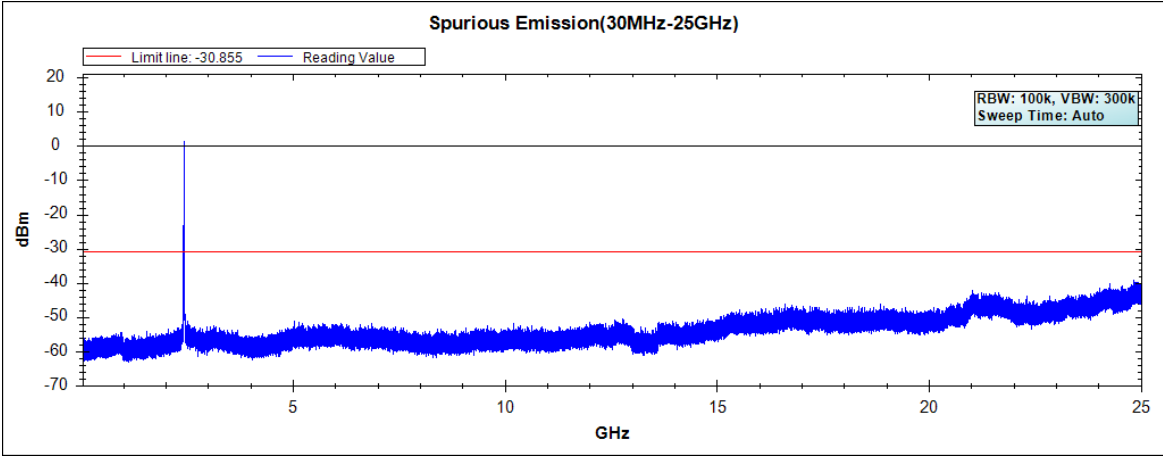
Channel 01 (2412MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 11 (2462MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

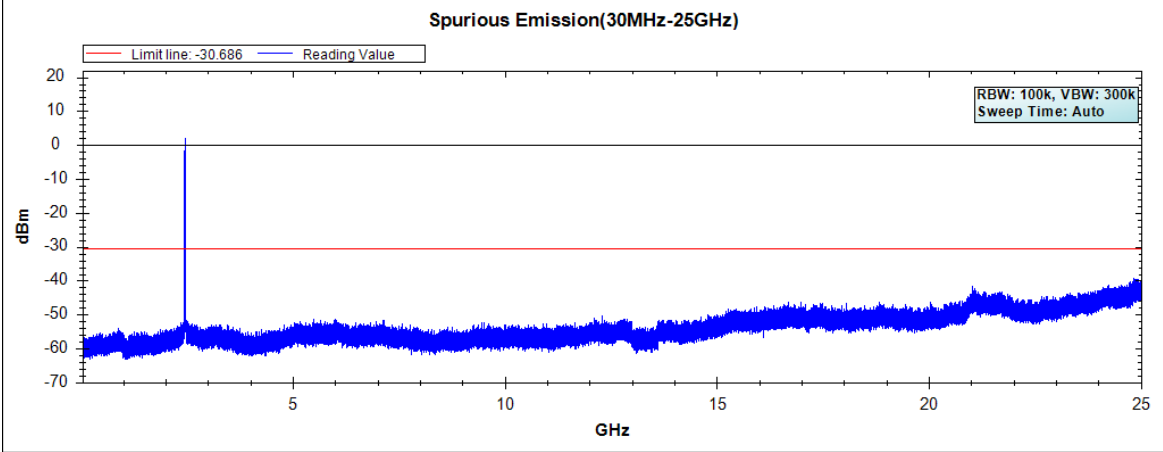
Channel 01 (2412MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

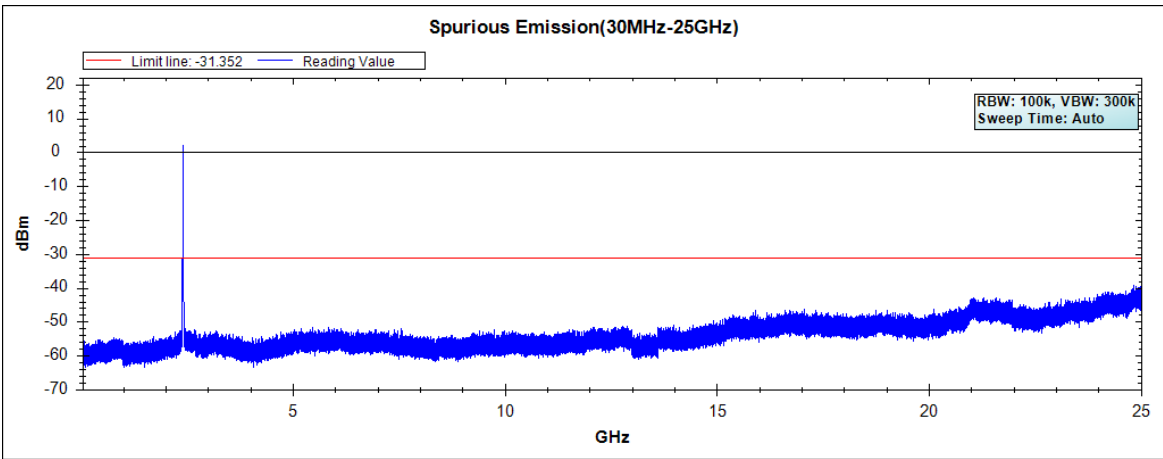


Channel 11 (2462MHz) 30MHz -25GHz-Chain B

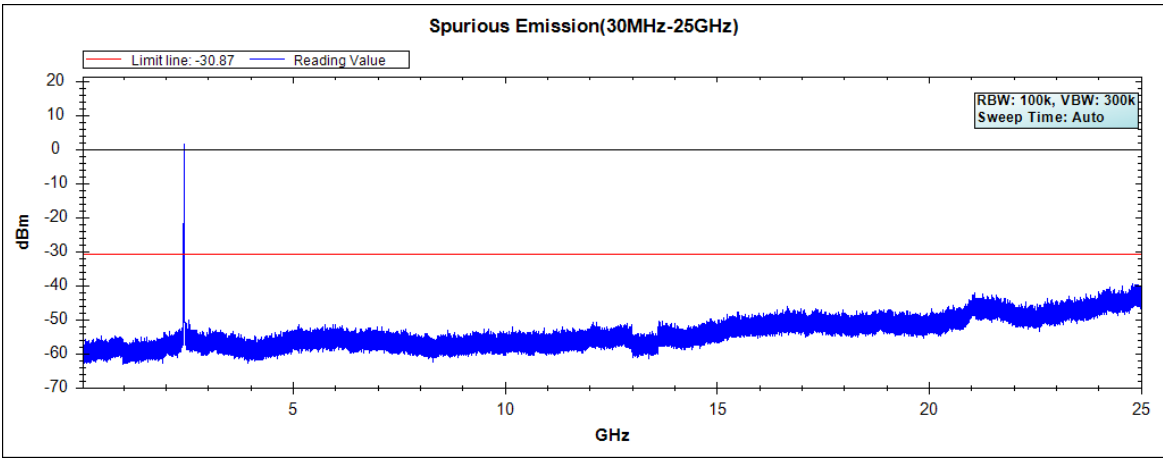


Note: The above test pattern is synthesized by multiple of the frequency range.

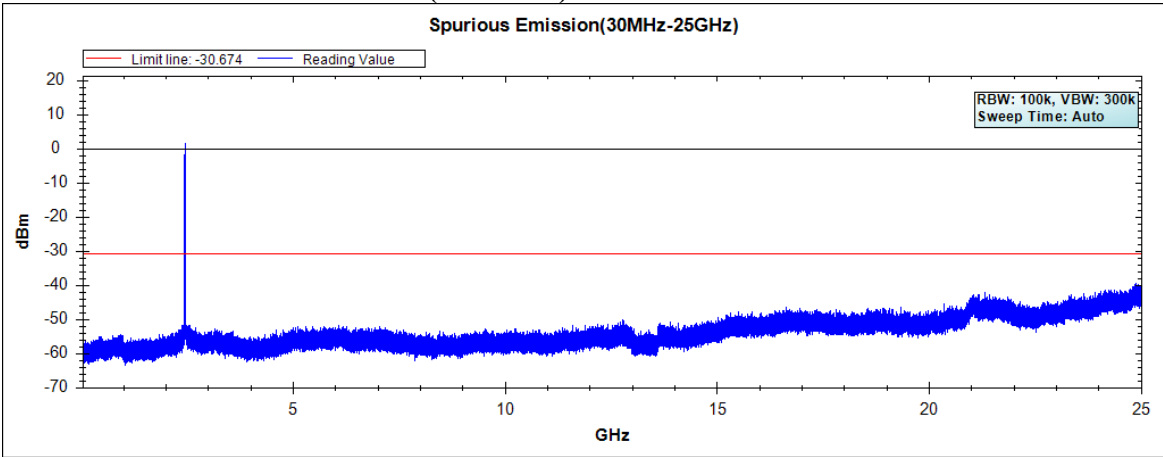
Channel 01 (2412MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

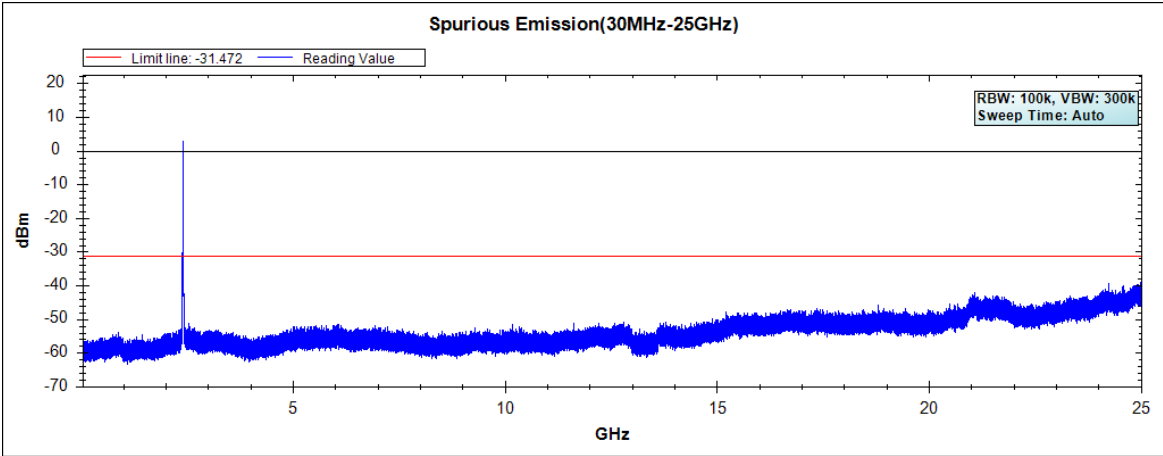


Channel 11 (2462MHz) 30MHz -25GHz-Chain C

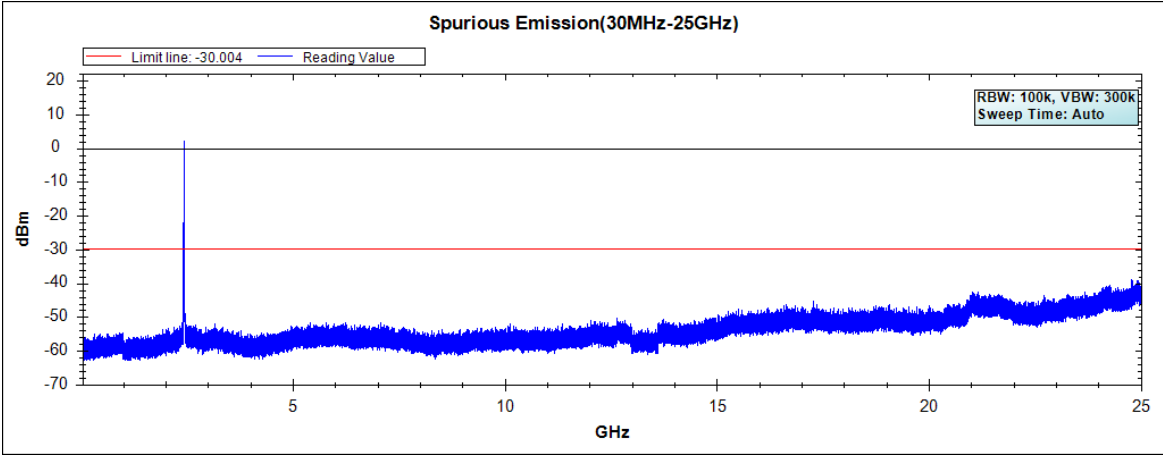


Note: The above test pattern is synthesized by multiple of the frequency range.

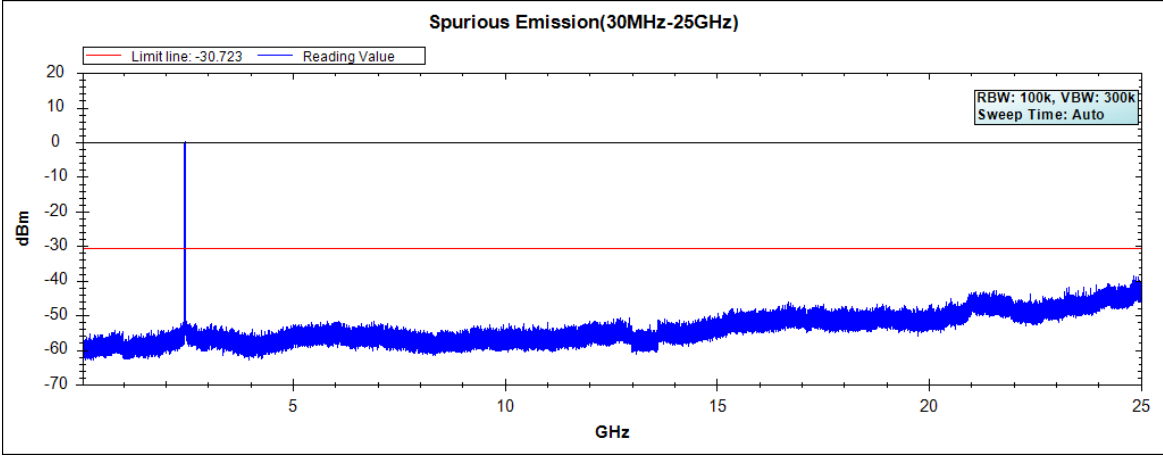
Channel 01 (2412MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

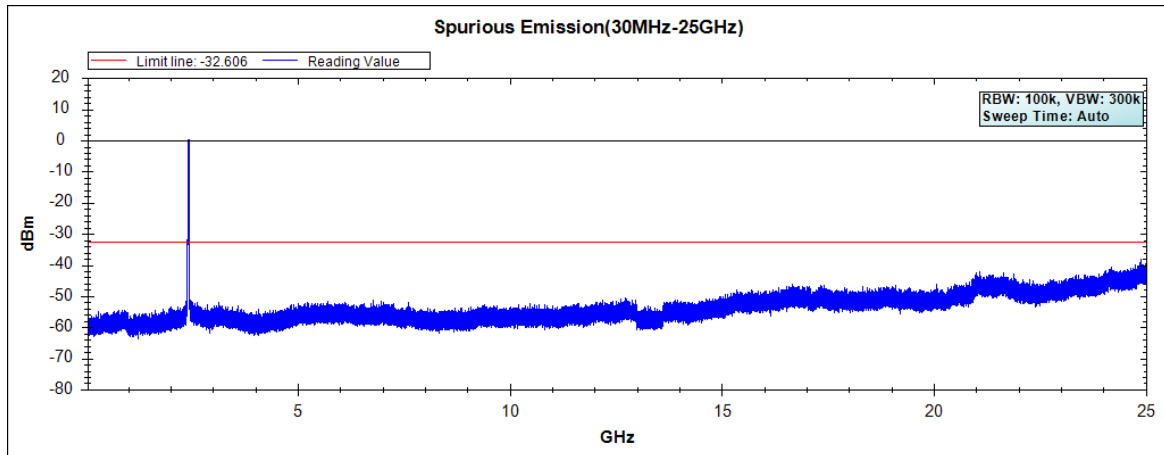
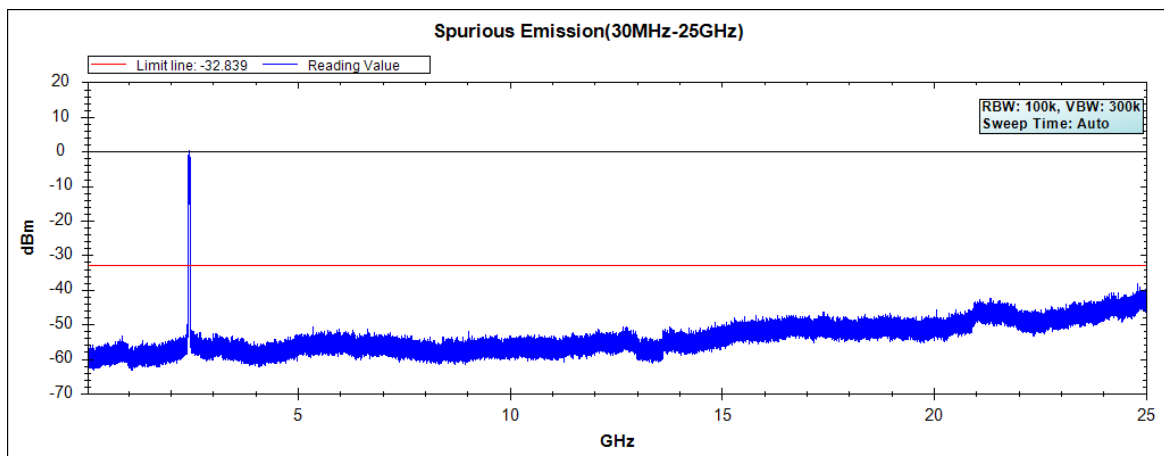
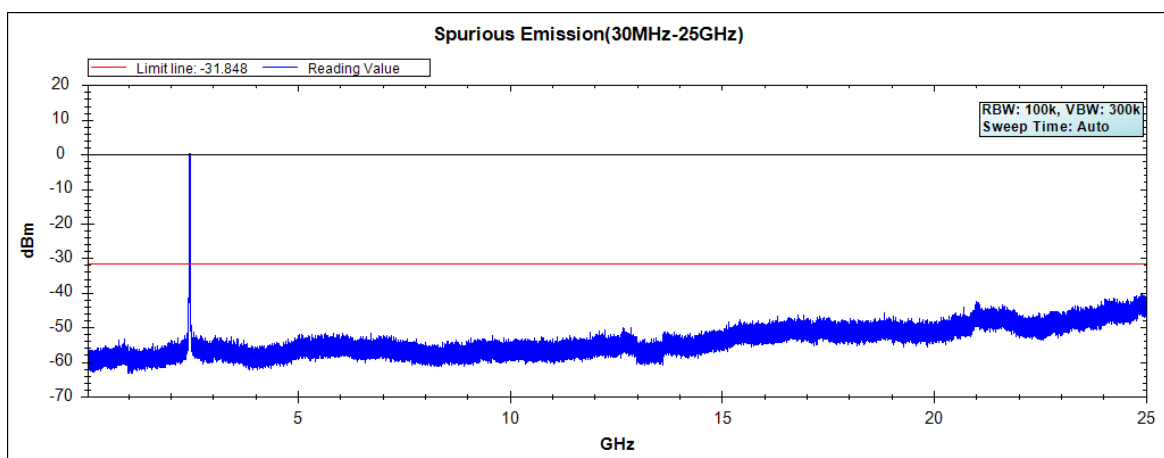


Channel 11 (2462MHz) 30MHz -25GHz-Chain D



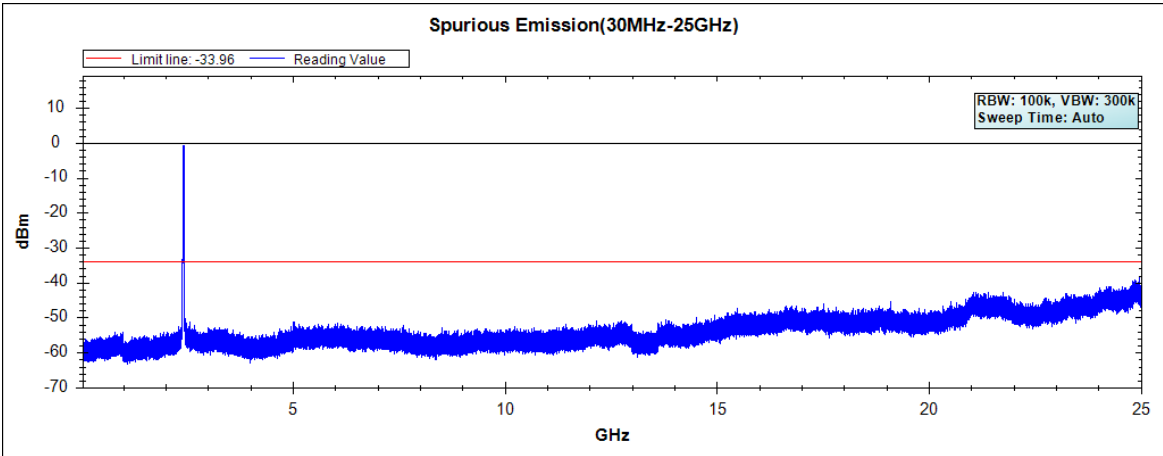
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.1)

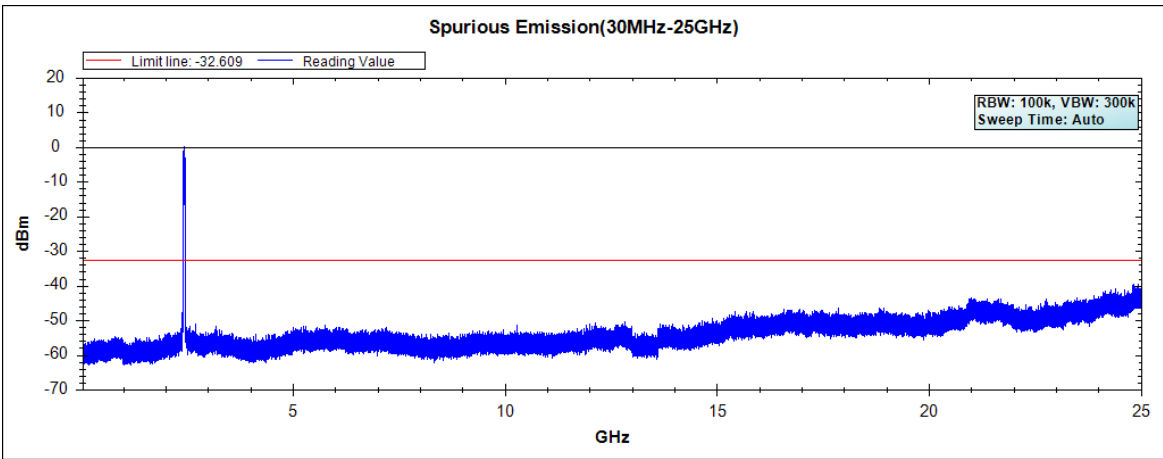
Channel 03 (2422MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 09 (2452MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

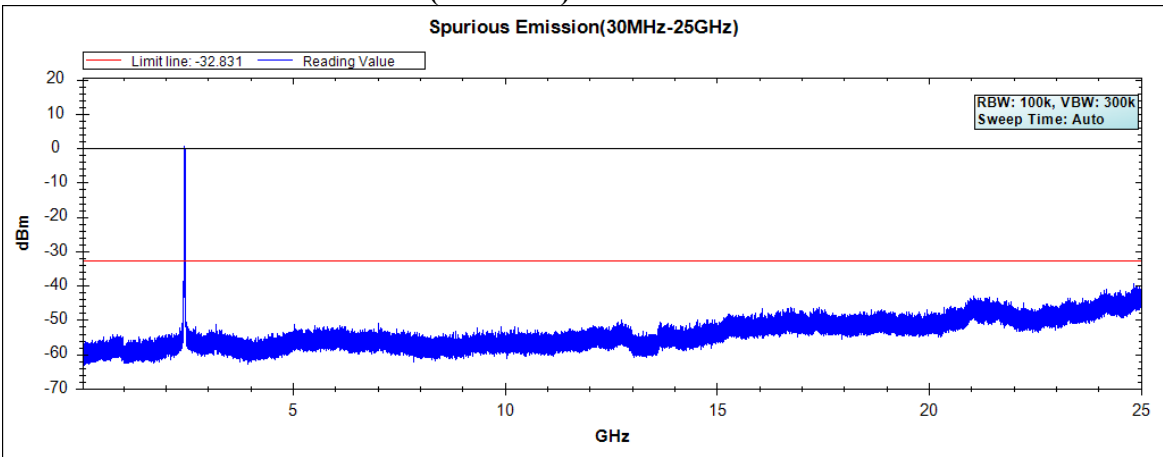
Channel 03 (2422MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

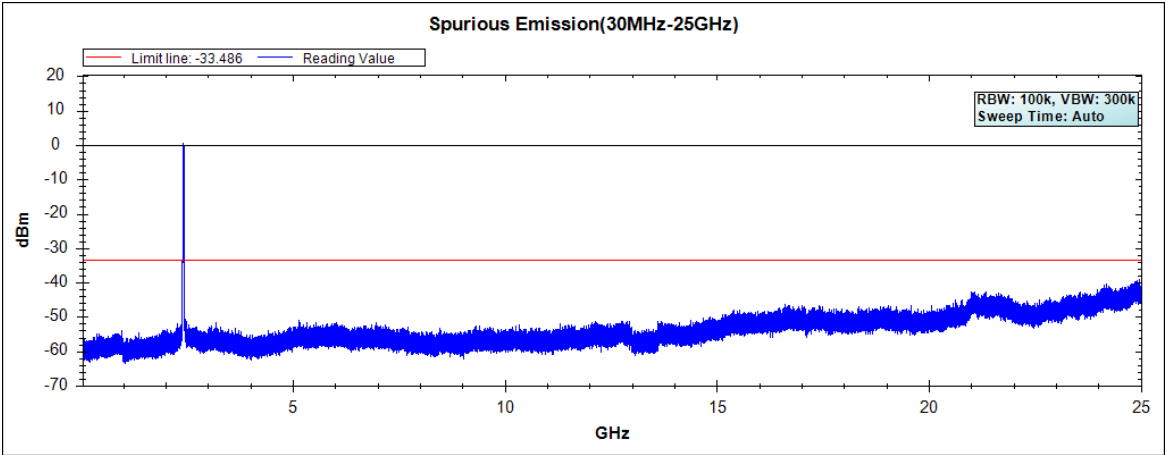


Channel 09 (2452MHz) 30MHz -25GHz-Chain B

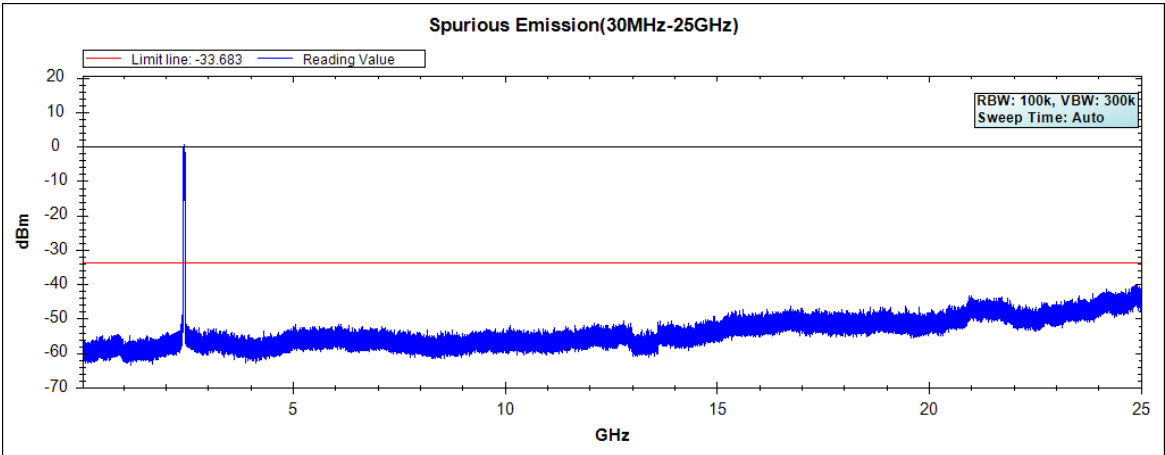


Note: The above test pattern is synthesized by multiple of the frequency range.

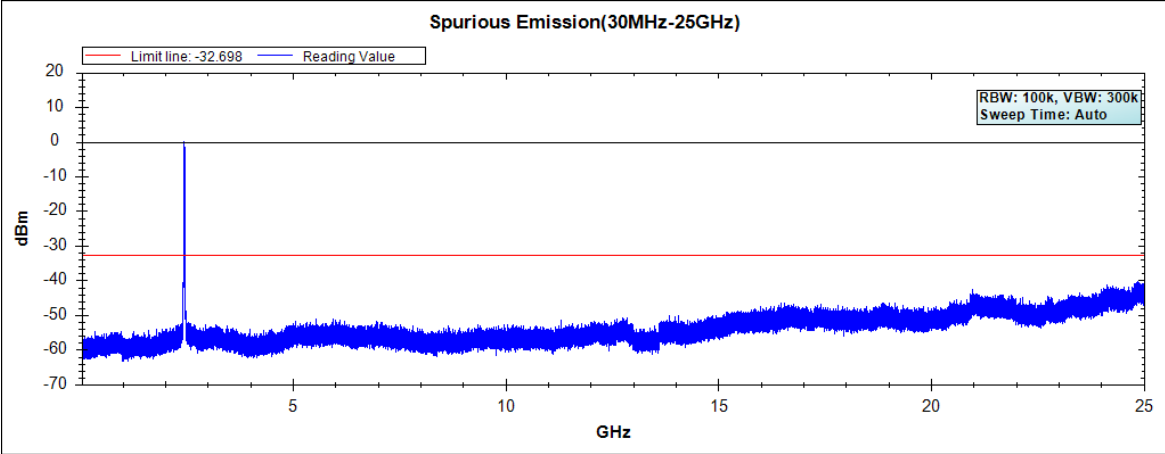
Channel 03 (2422MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

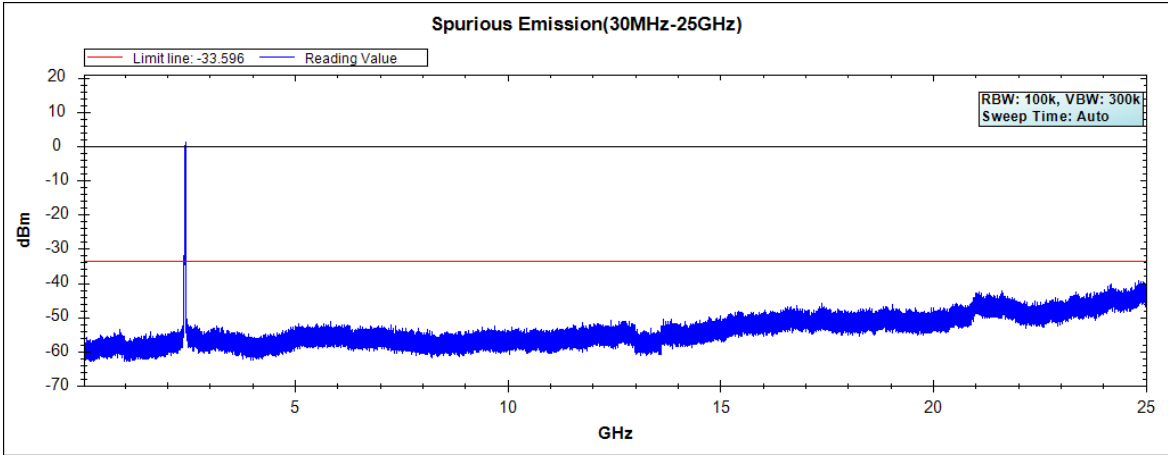


Channel 09 (2452MHz) 30MHz -25GHz-Chain C

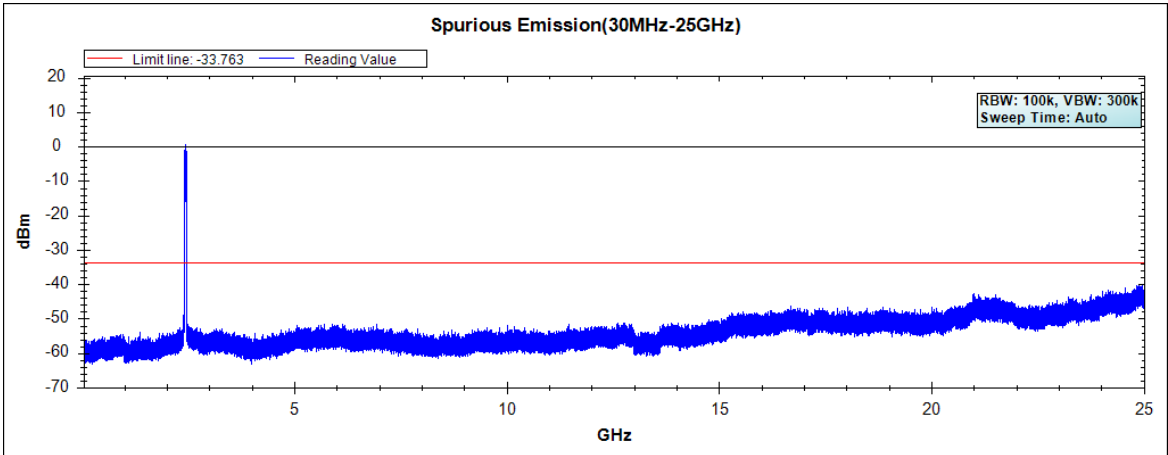


Note: The above test pattern is synthesized by multiple of the frequency range.

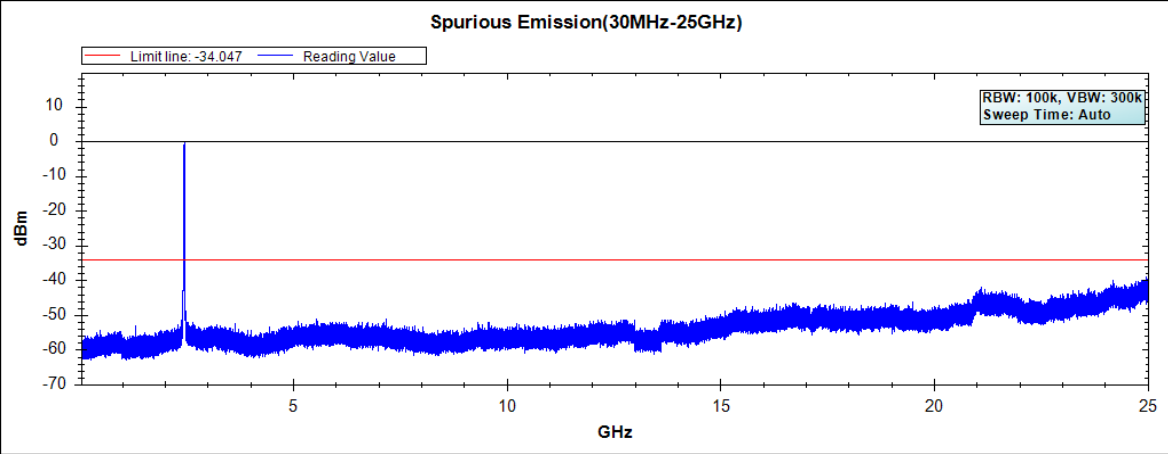
Channel 03 (2422MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

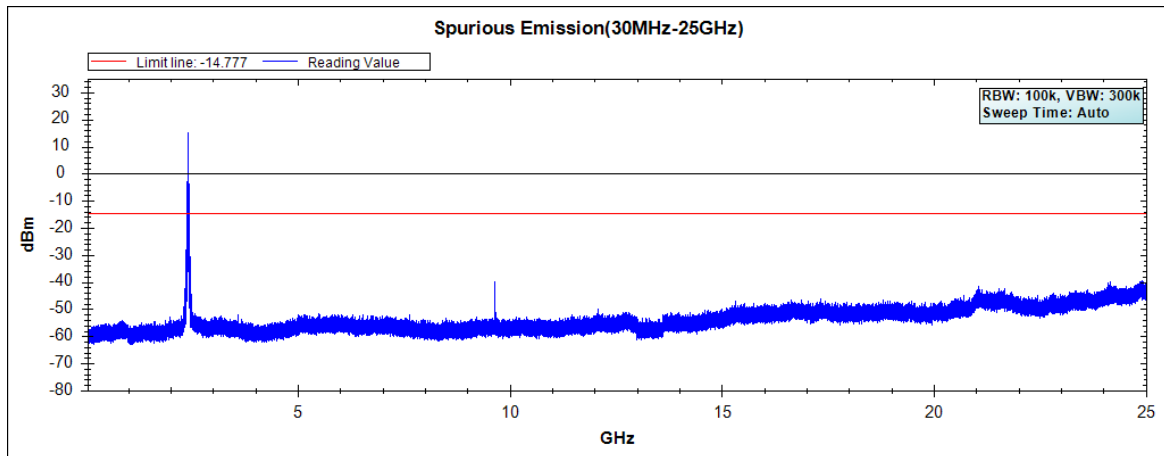
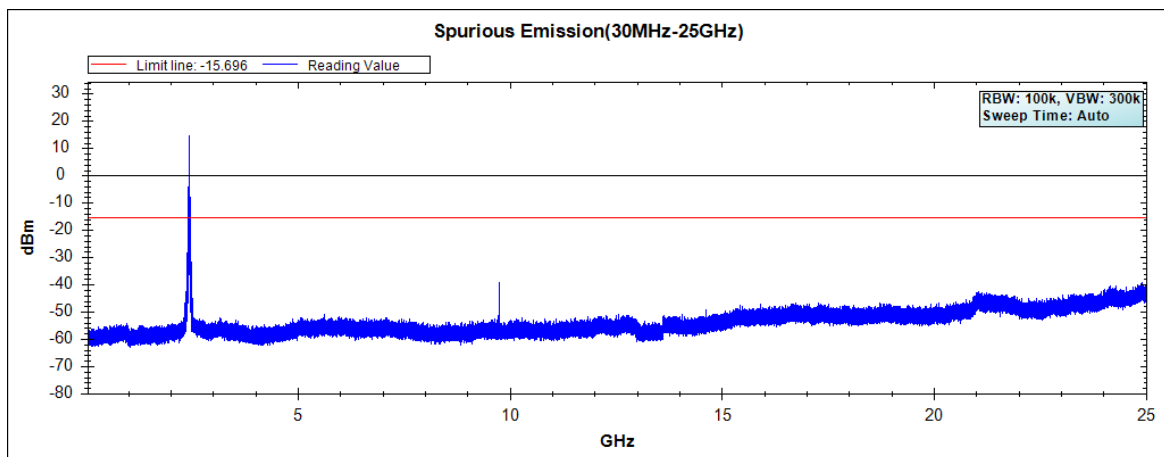
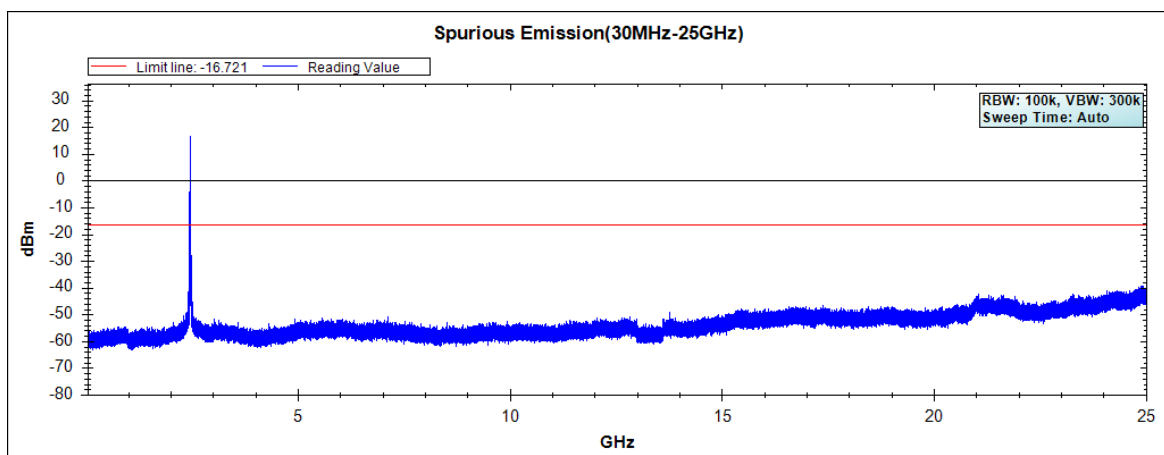


Channel 09 (2452MHz) 30MHz -25GHz-Chain D



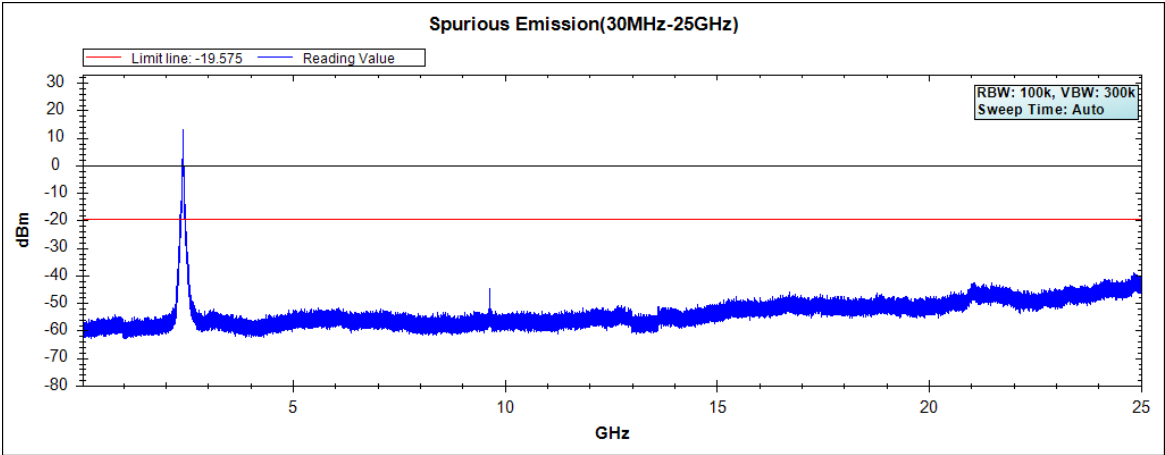
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.6)

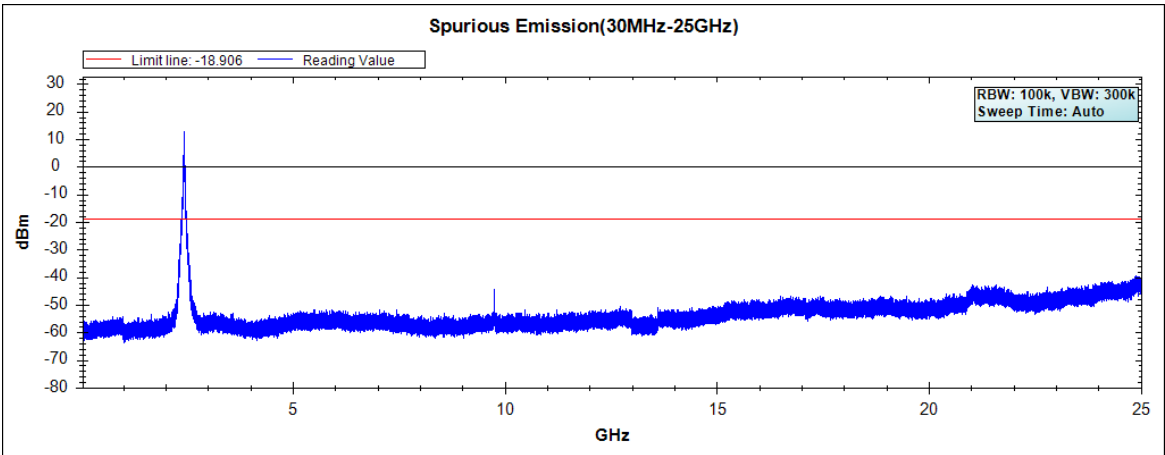
Channel 01 (2412MHz) 30MHz-25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

Note: The above test pattern is synthesized by multiple of the frequency range.

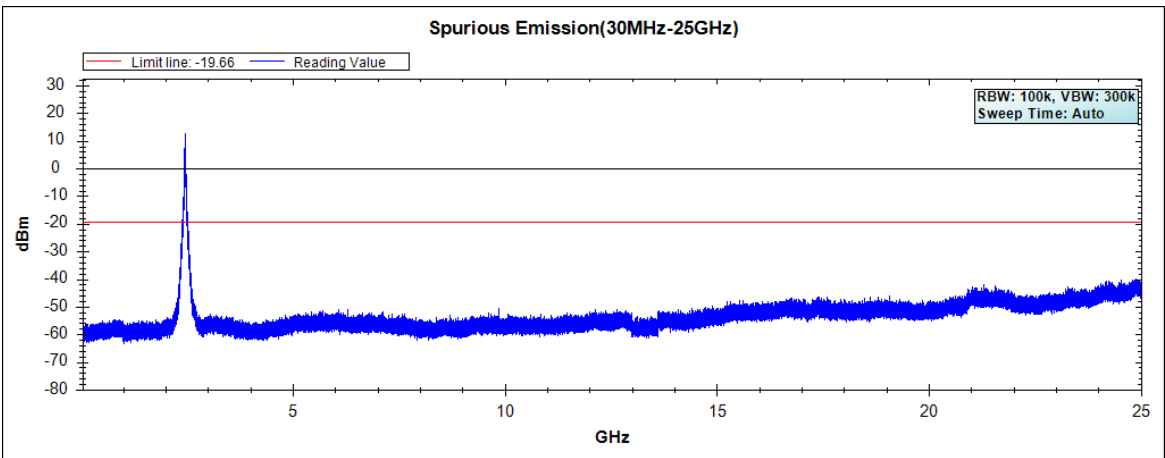
Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.6)
Channel 01 (2412MHz) 30MHz -25GHz



Channel 06 (2437MHz) 30MHz -25GHz

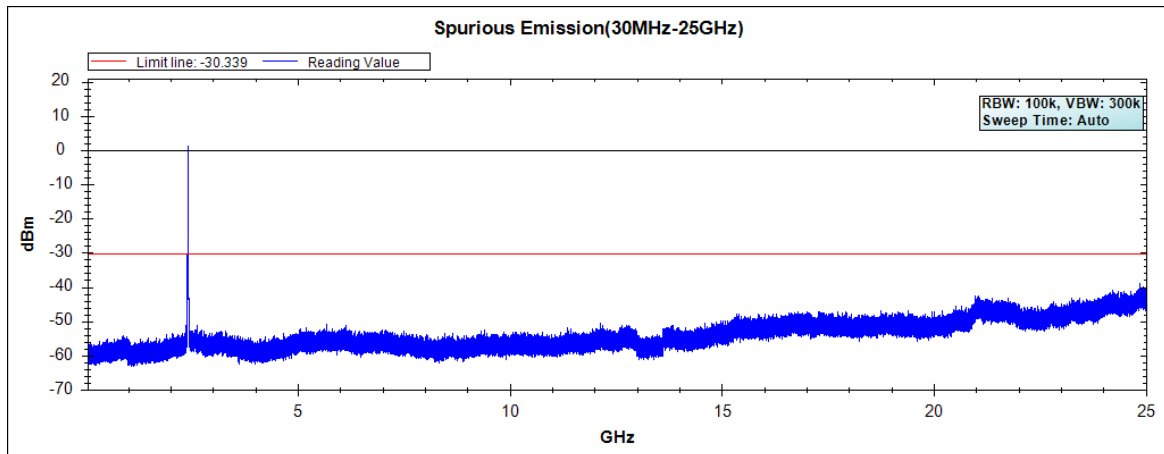
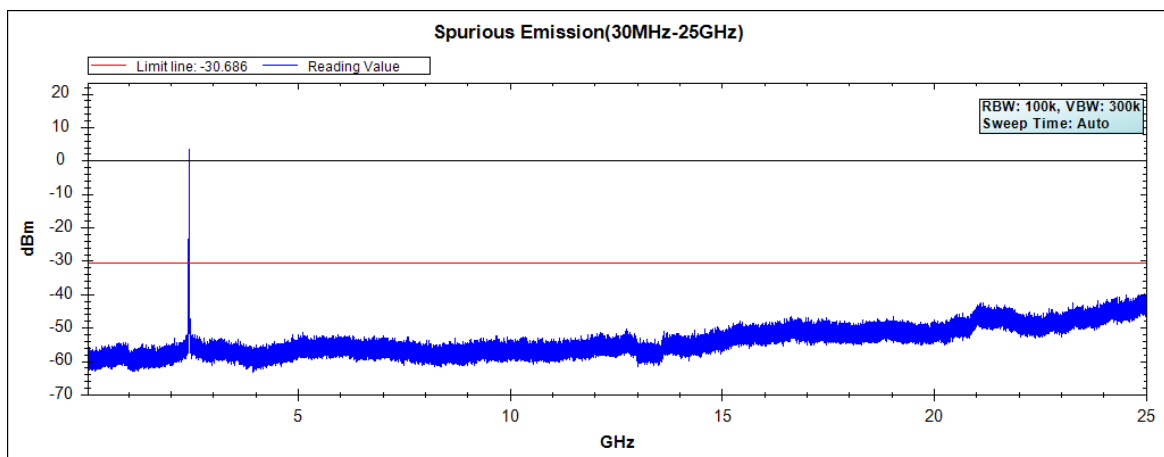
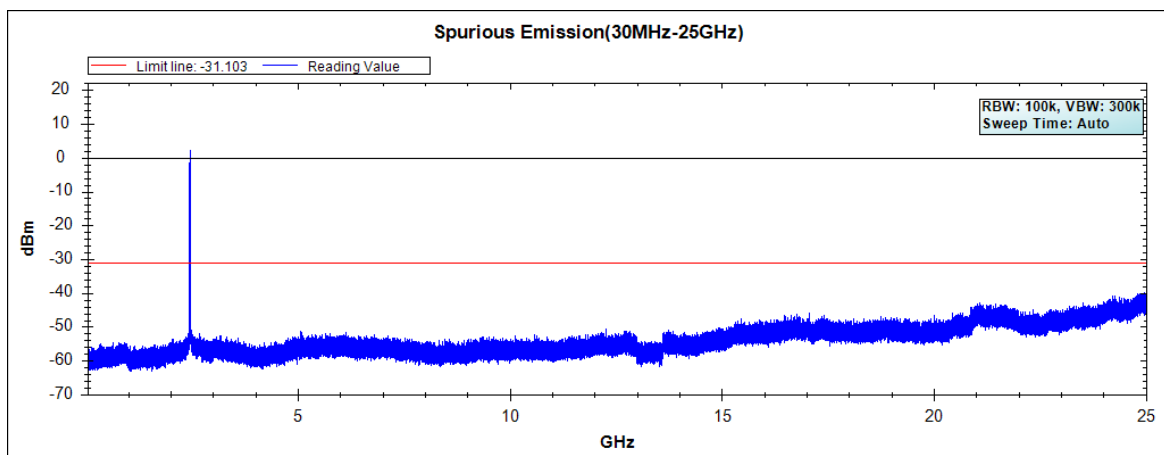


Channel 11 (2462MHz) 30MHz -25GHz



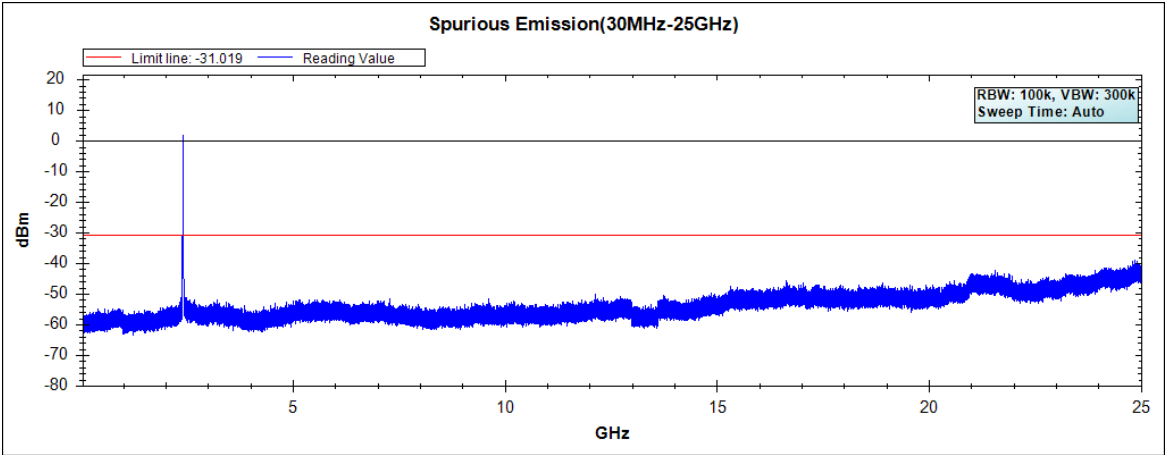
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.6)

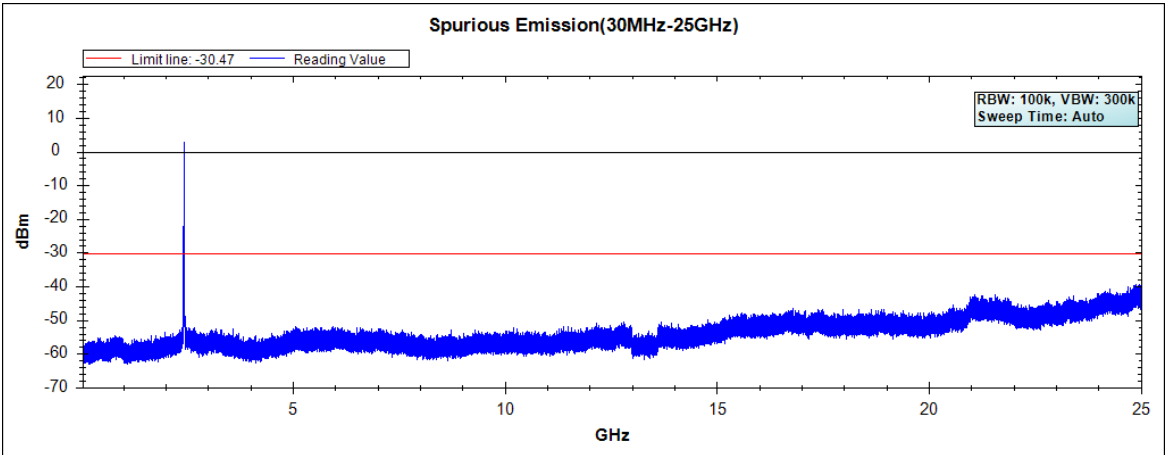
Channel 01 (2412MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 11 (2462MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

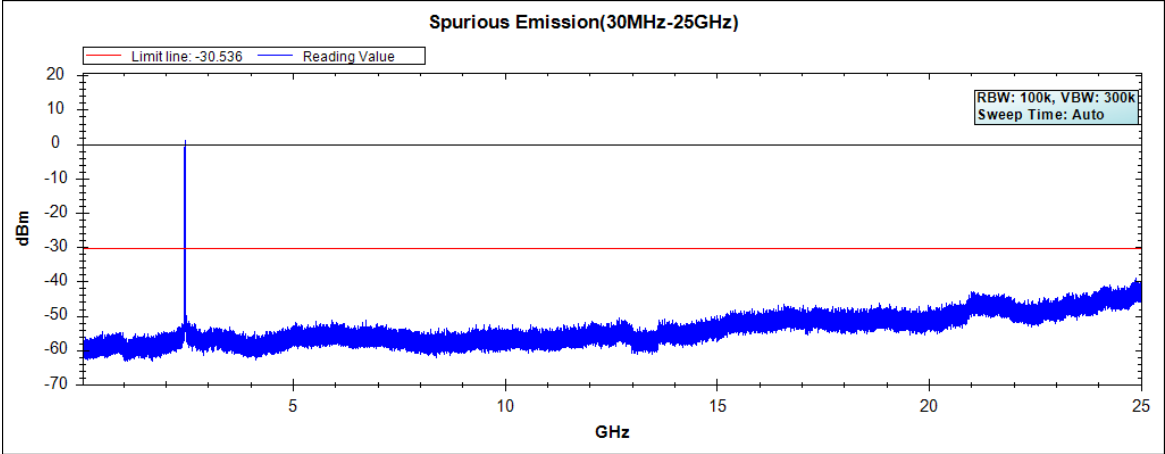
Channel 01 (2412MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

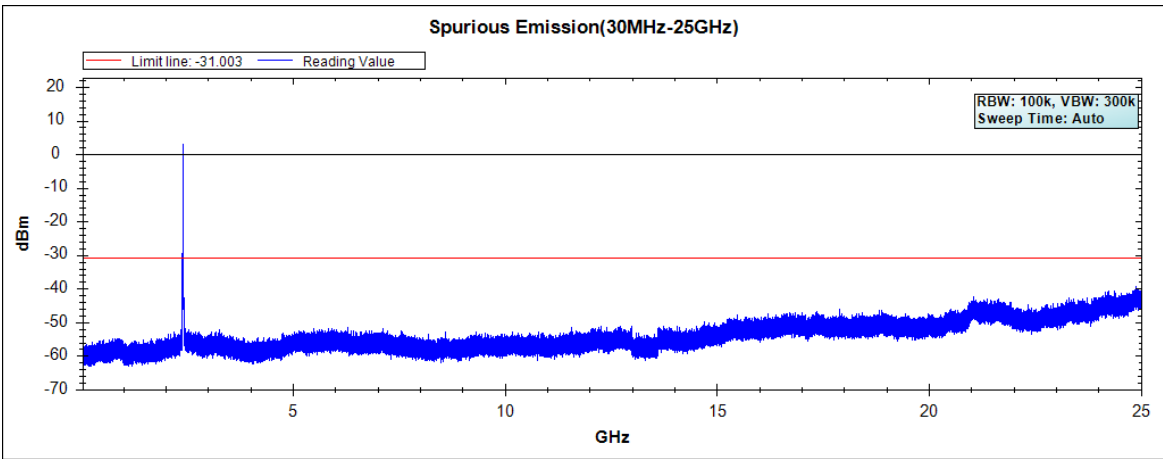


Channel 11 (2462MHz) 30MHz -25GHz-Chain B

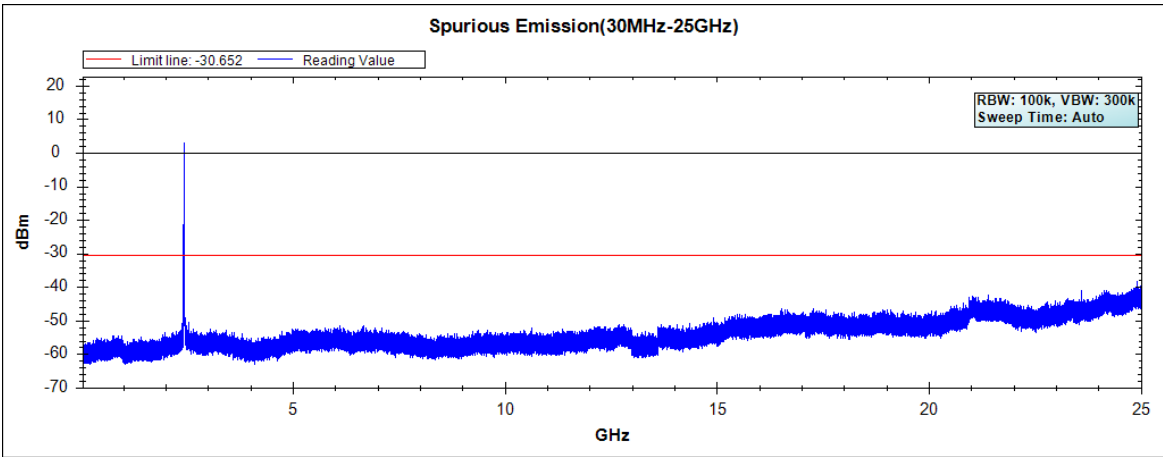


Note: The above test pattern is synthesized by multiple of the frequency range.

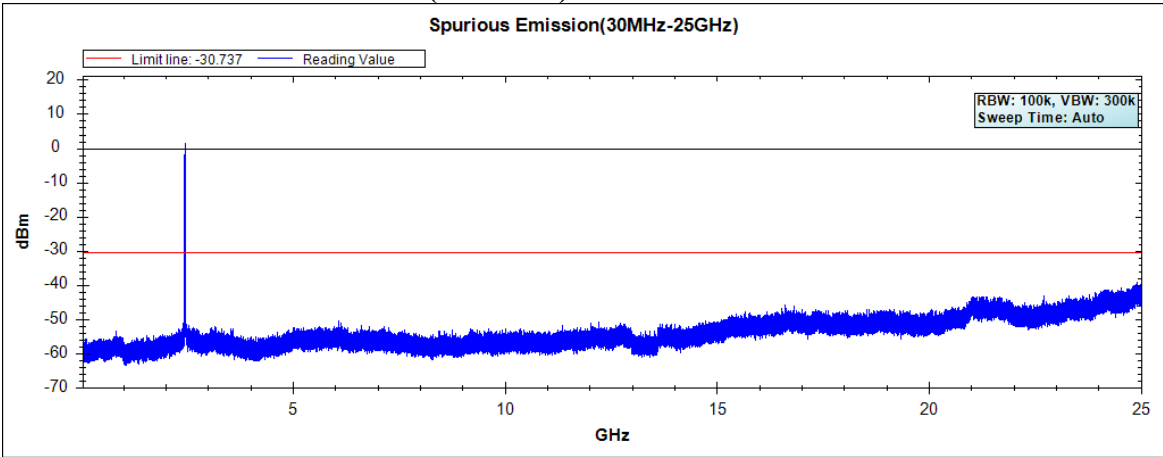
Channel 01 (2412MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

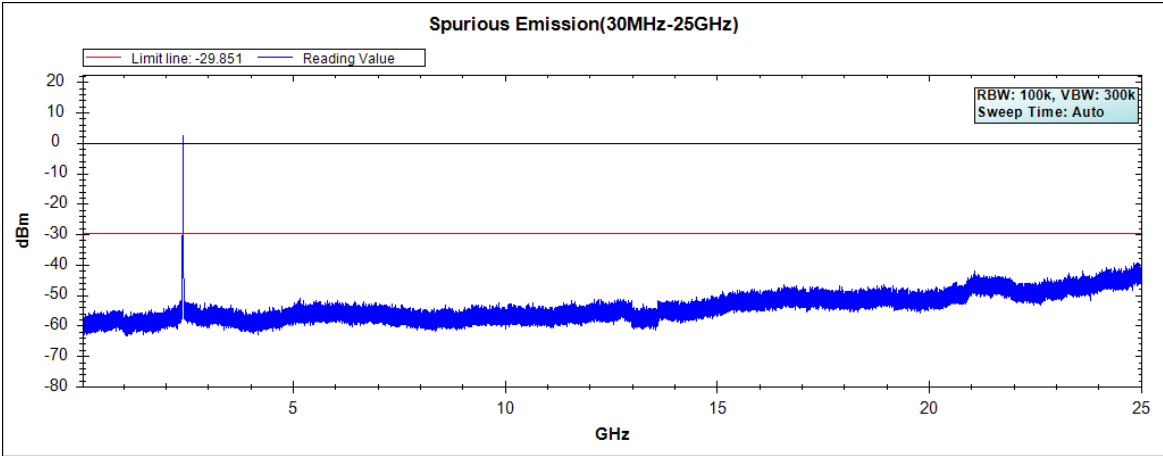


Channel 11 (2462MHz) 30MHz -25GHz-Chain C

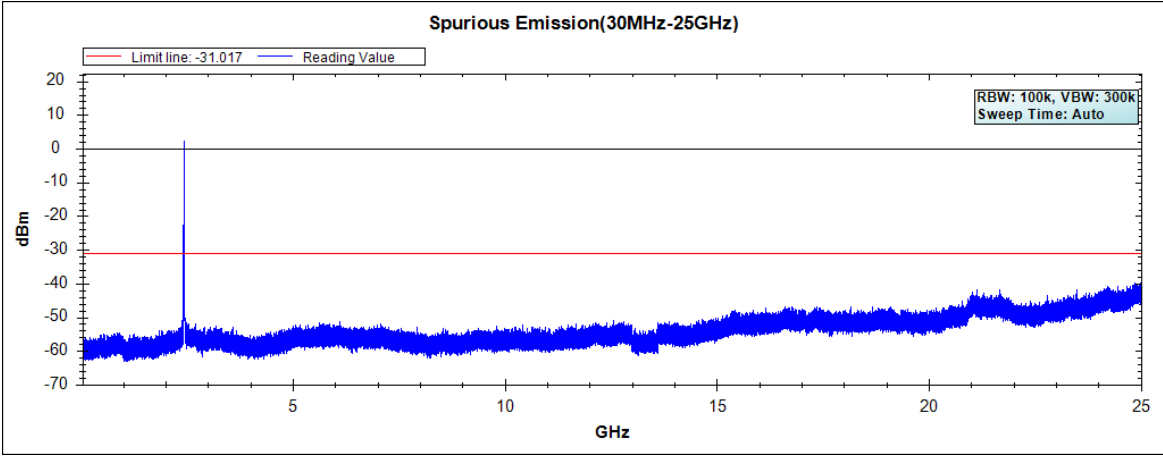


Note: The above test pattern is synthesized by multiple of the frequency range.

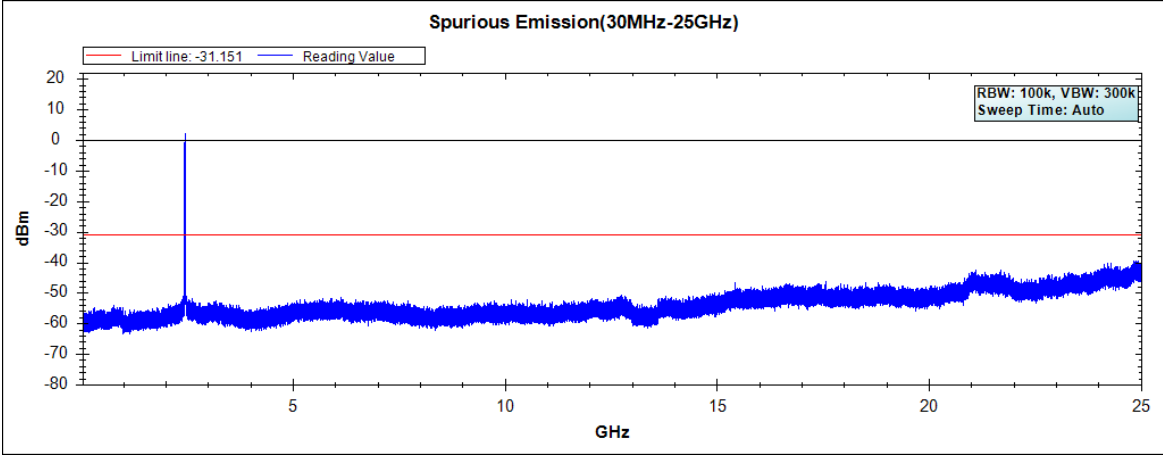
Channel 01 (2412MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

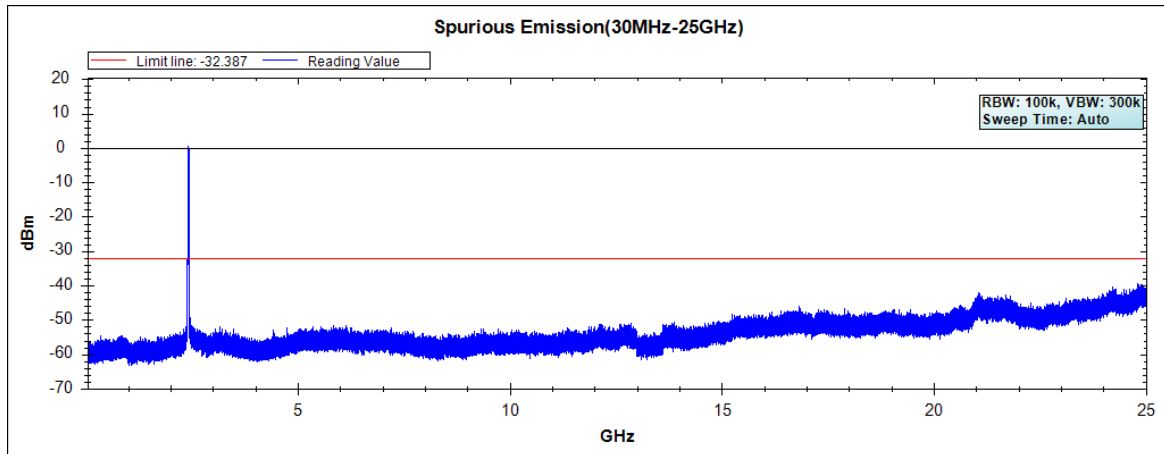
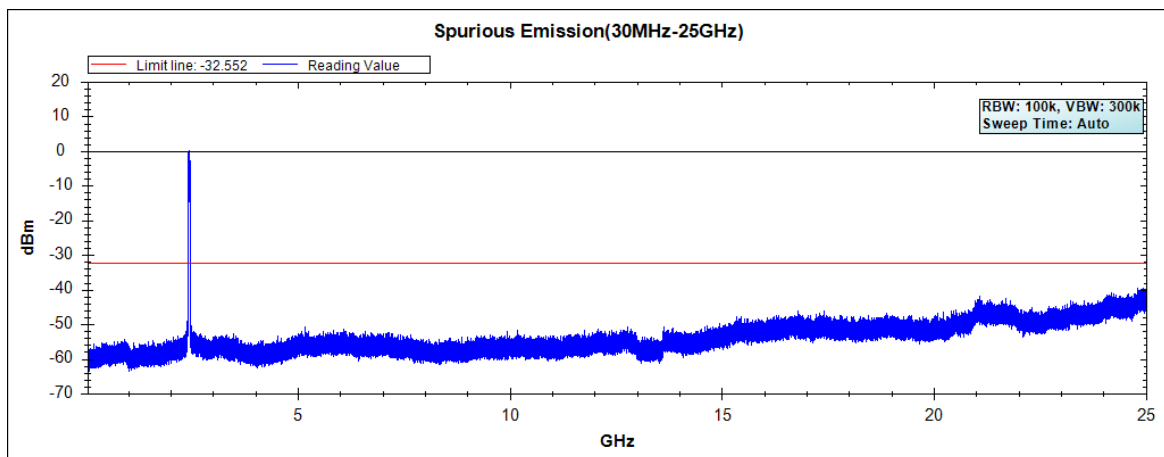
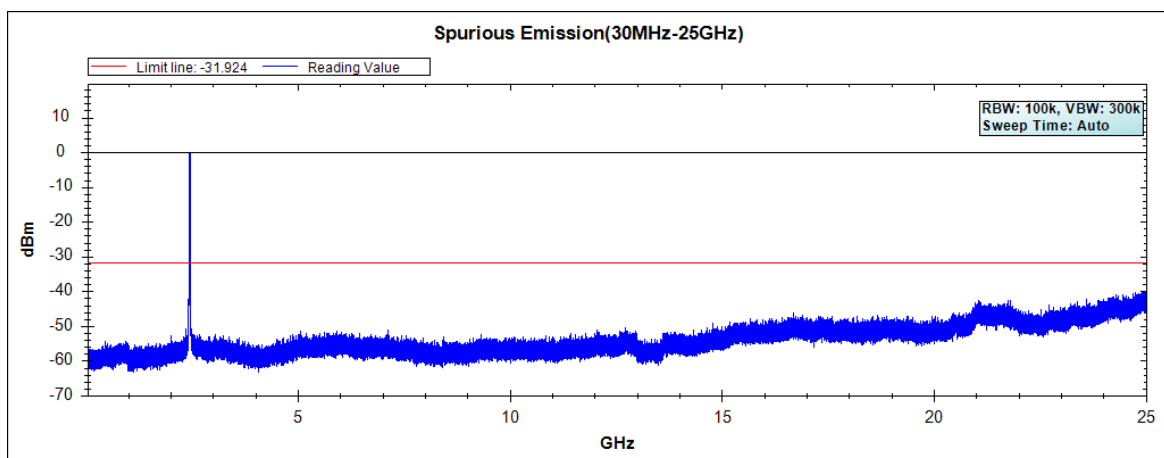


Channel 11 (2462MHz) 30MHz -25GHz-Chain D



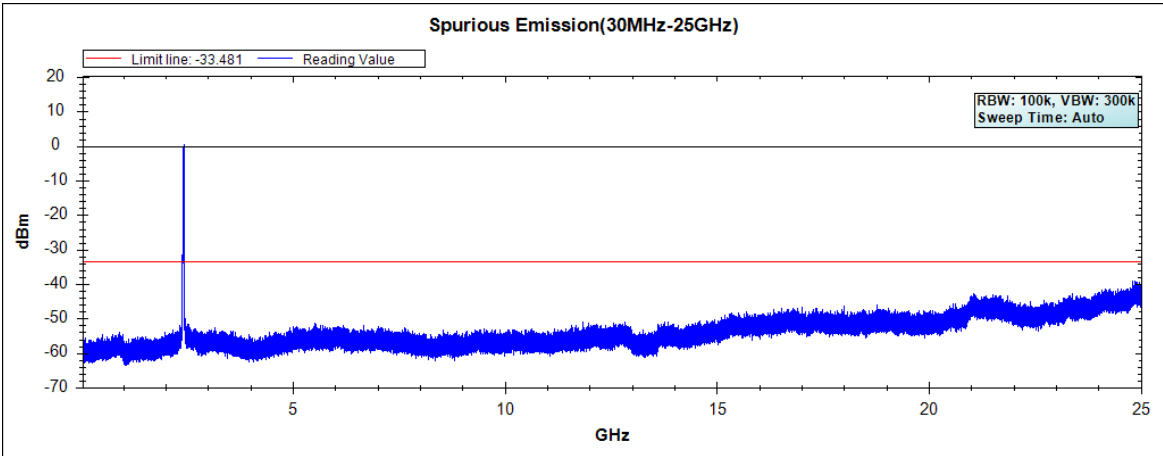
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.6)

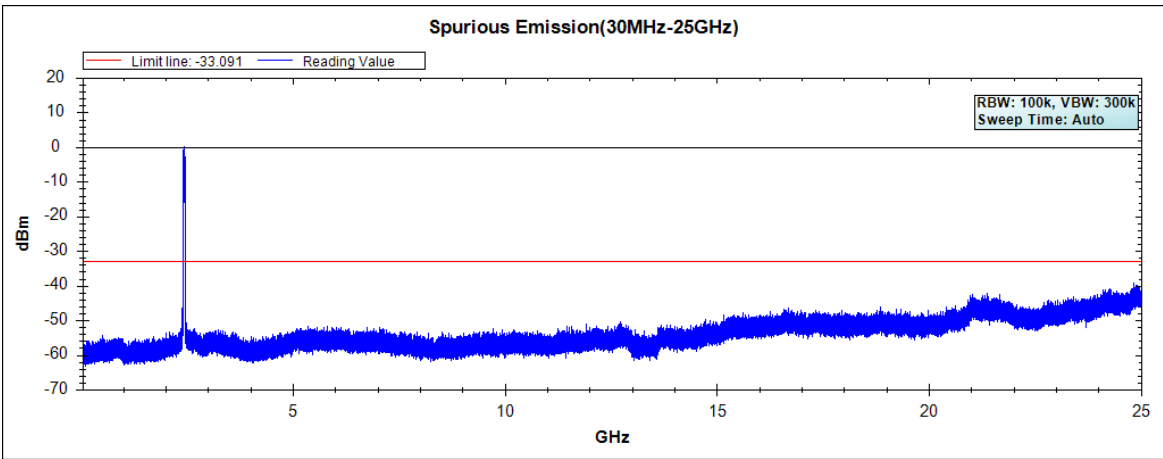
Channel 03 (2422MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 09 (2452MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

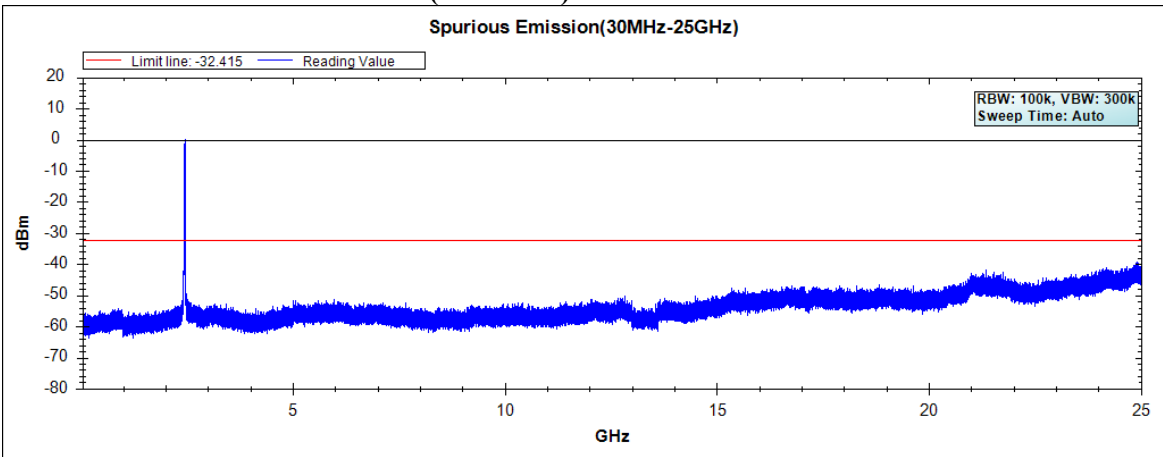
Channel 03 (2422MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

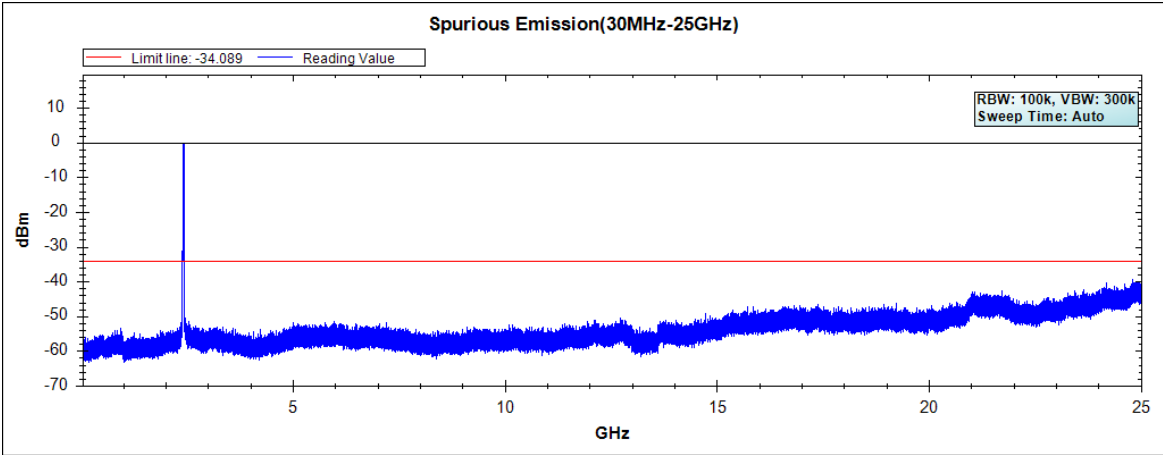


Channel 09 (2452MHz) 30MHz -25GHz-Chain B

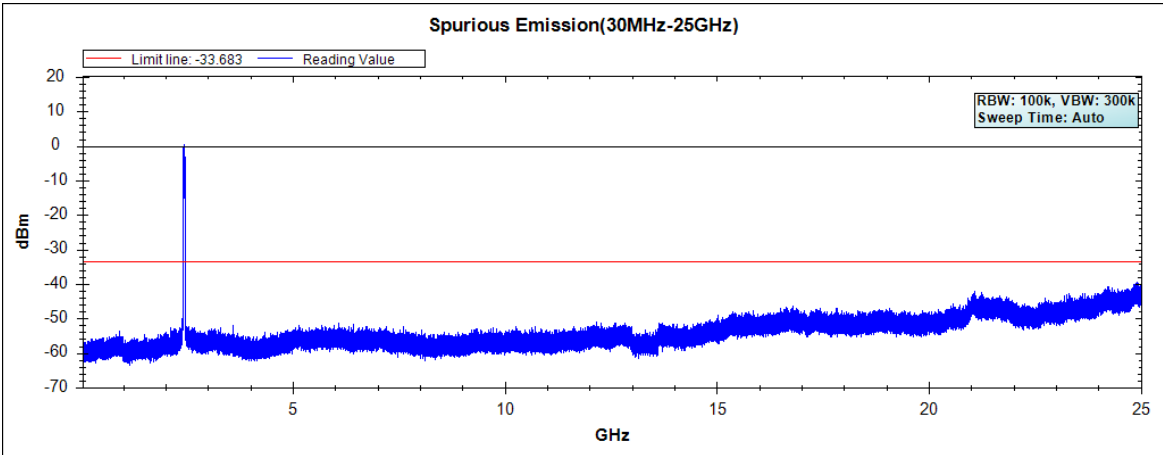


Note: The above test pattern is synthesized by multiple of the frequency range.

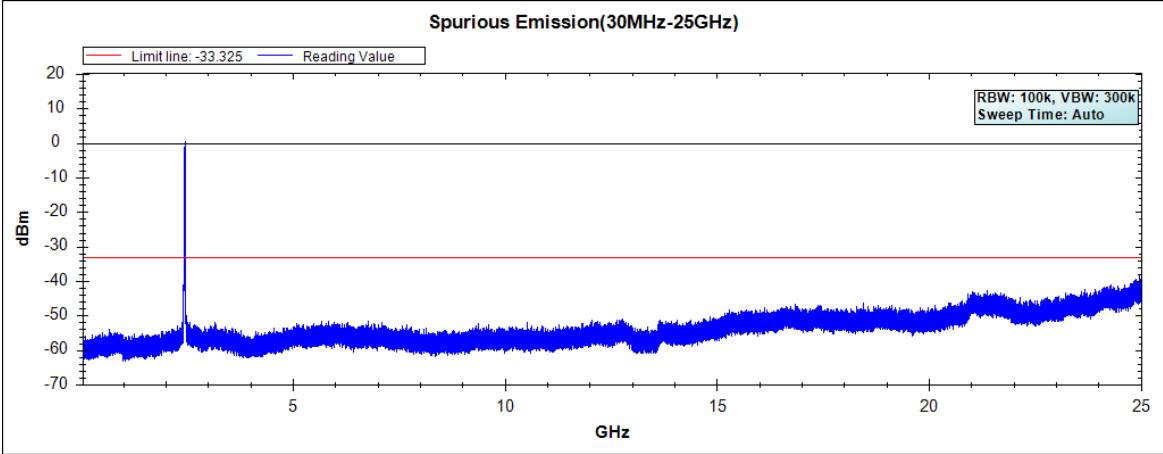
Channel 03 (2422MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

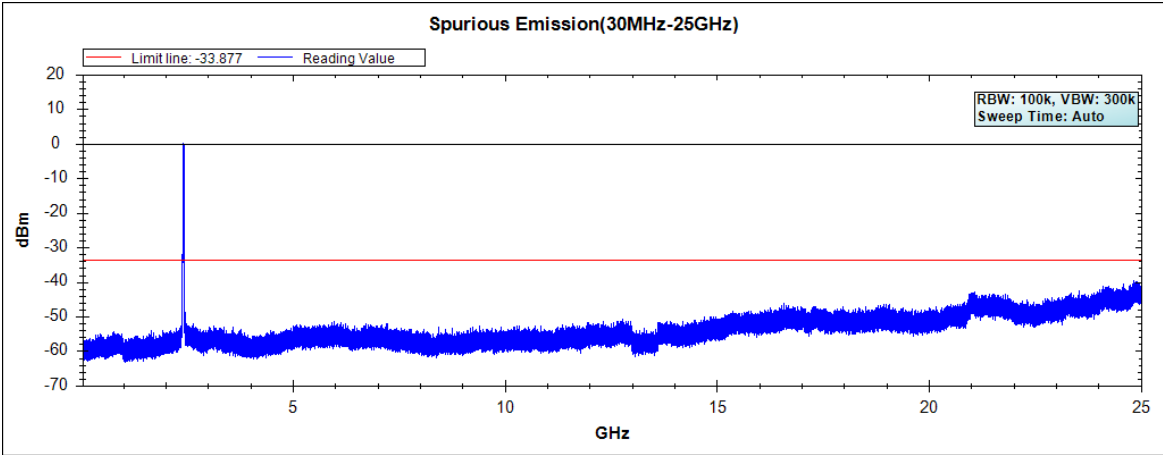


Channel 09 (2452MHz) 30MHz -25GHz-Chain C

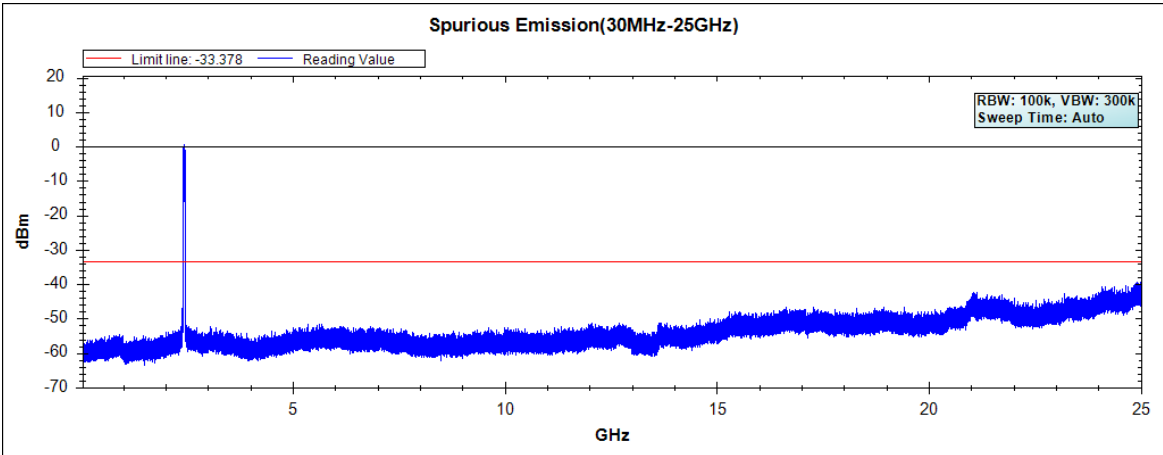


Note: The above test pattern is synthesized by multiple of the frequency range.

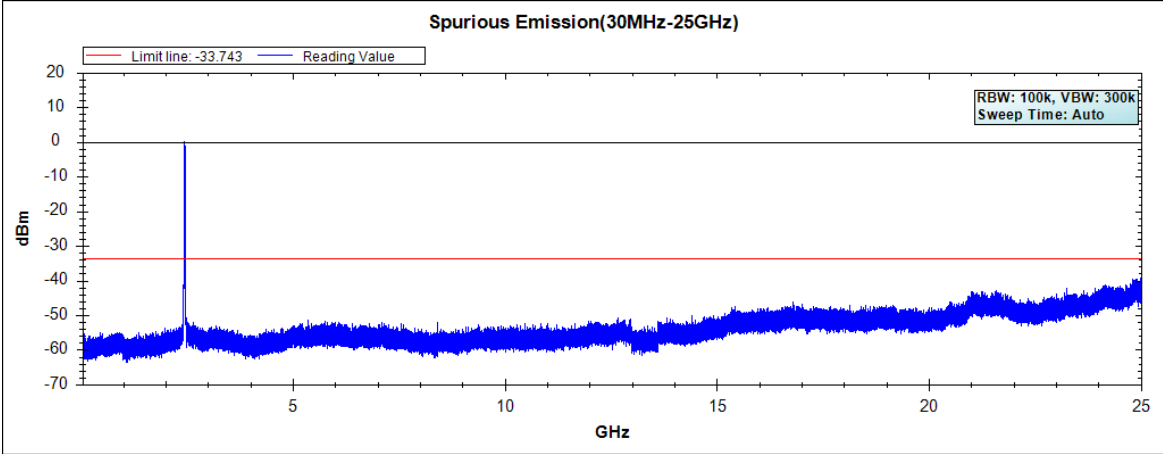
Channel 03 (2422MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

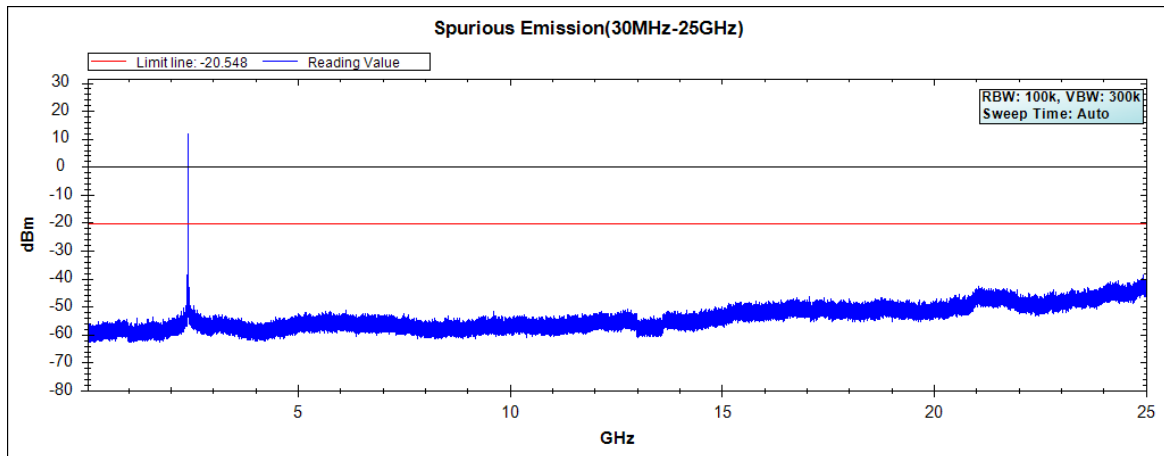
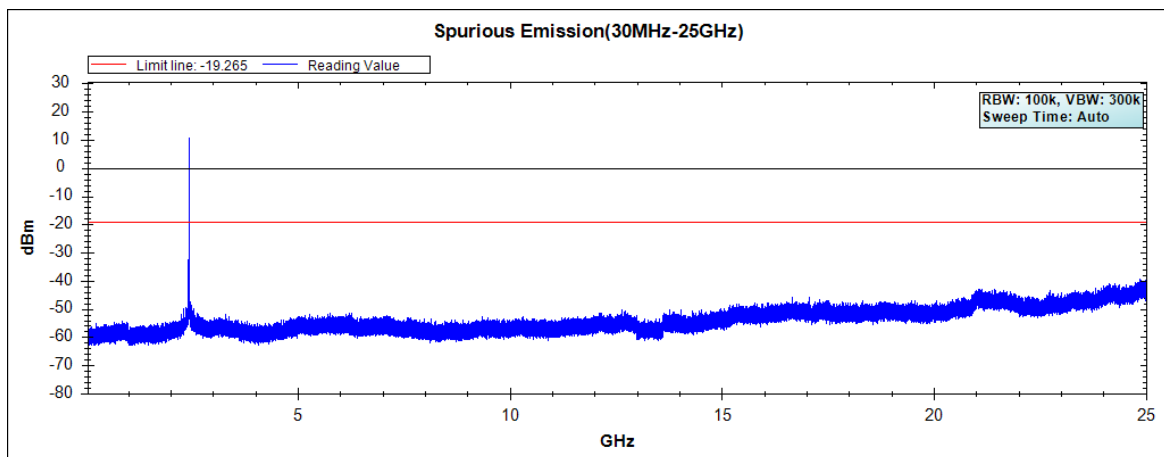
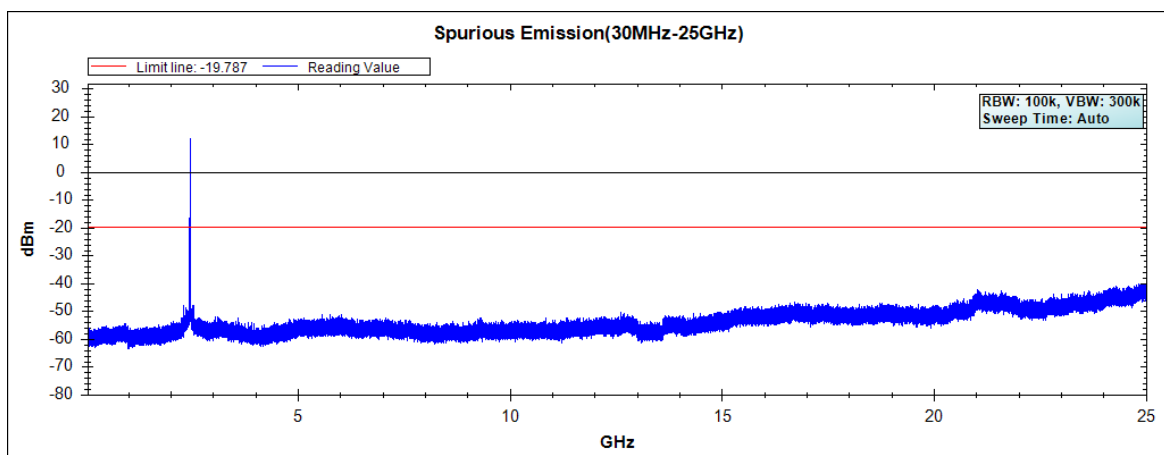


Channel 09 (2452MHz) 30MHz -25GHz-Chain D



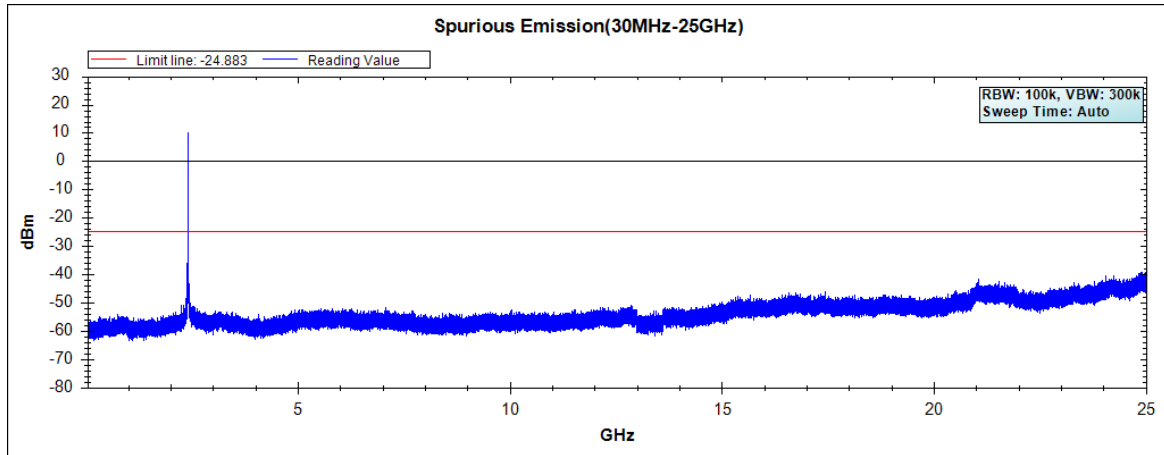
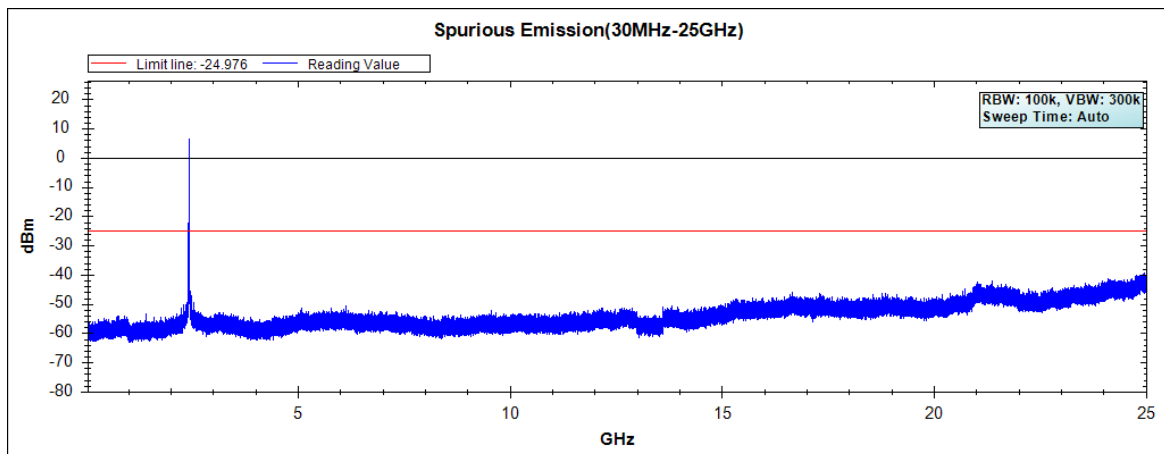
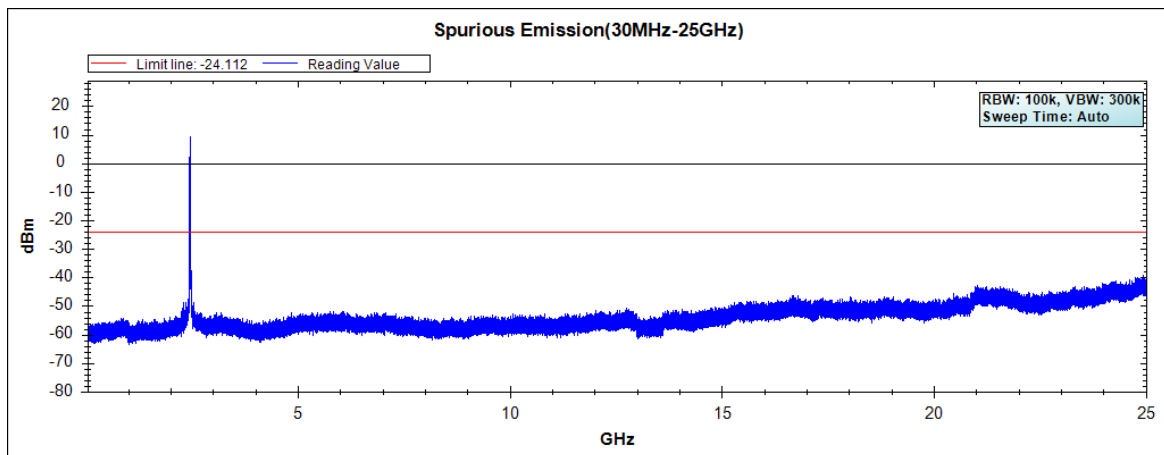
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.17)

Channel 01 (2412MHz) 30MHz-25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

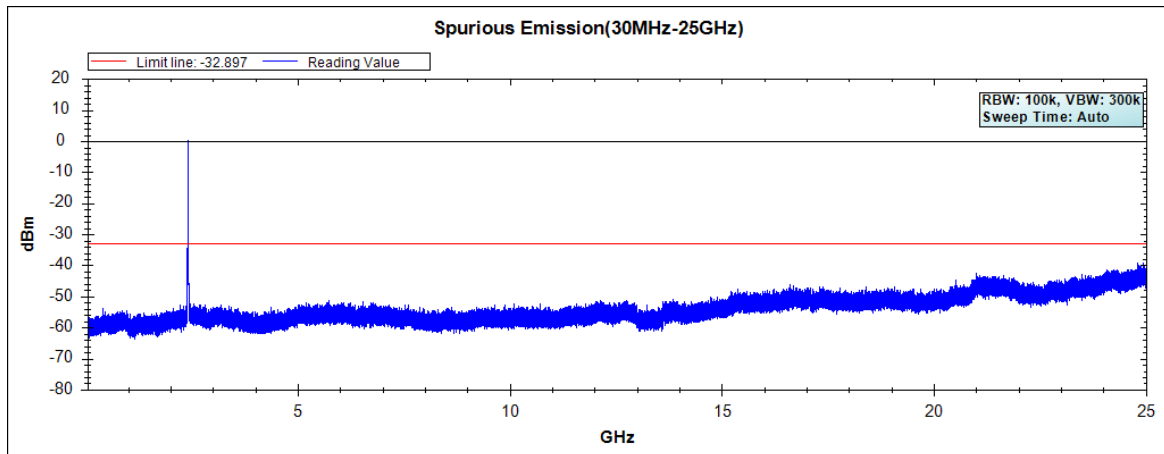
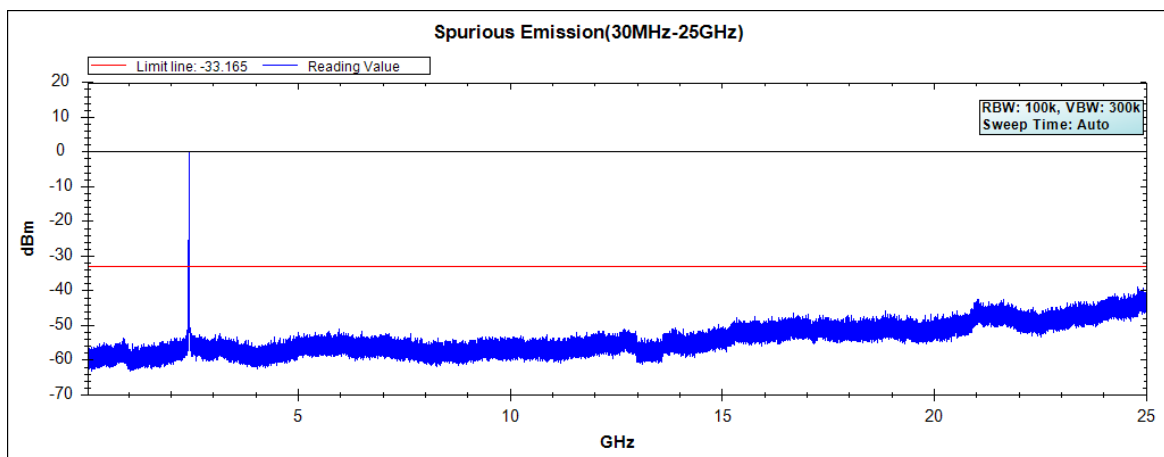
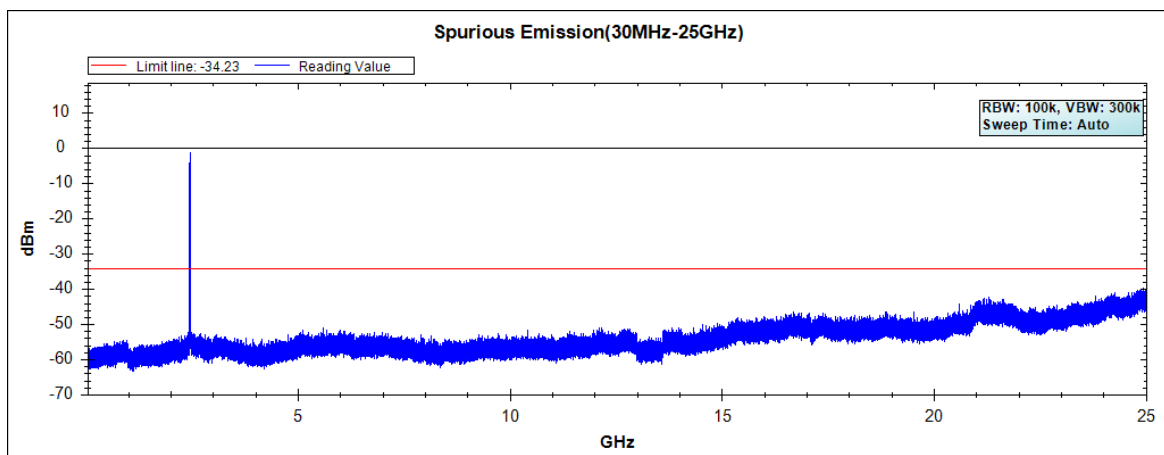
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.17)

Channel 01 (2412MHz) 30MHz -25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

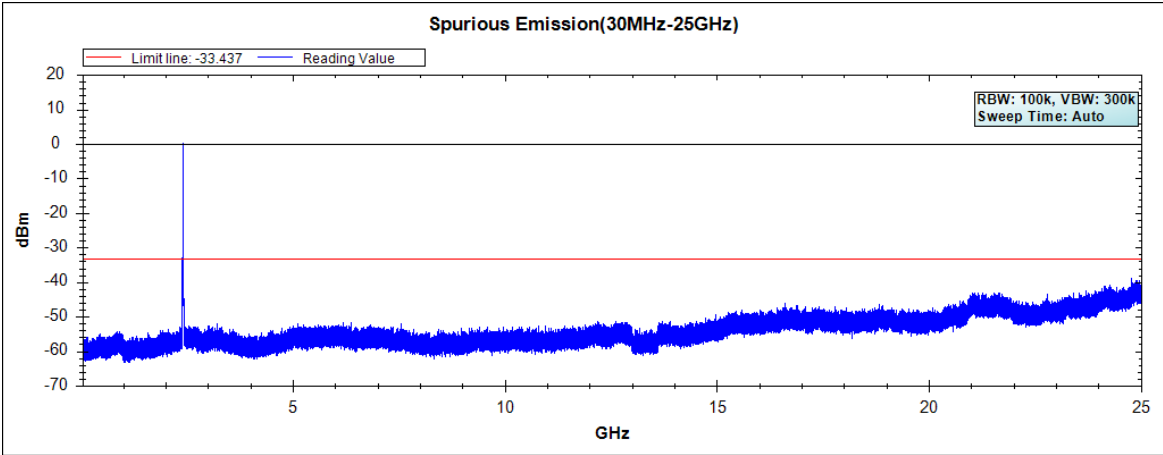
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.17)

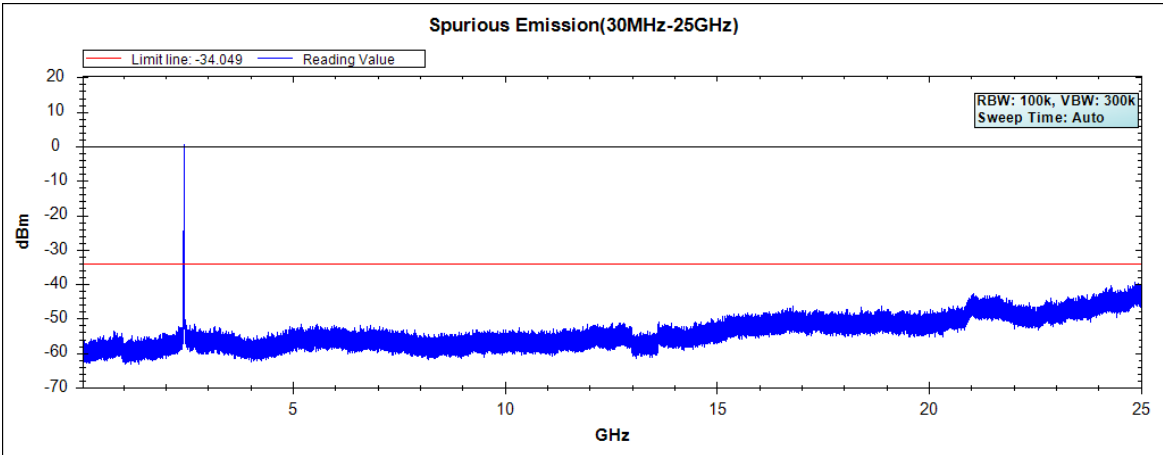
Channel 01 (2412MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 11 (2462MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

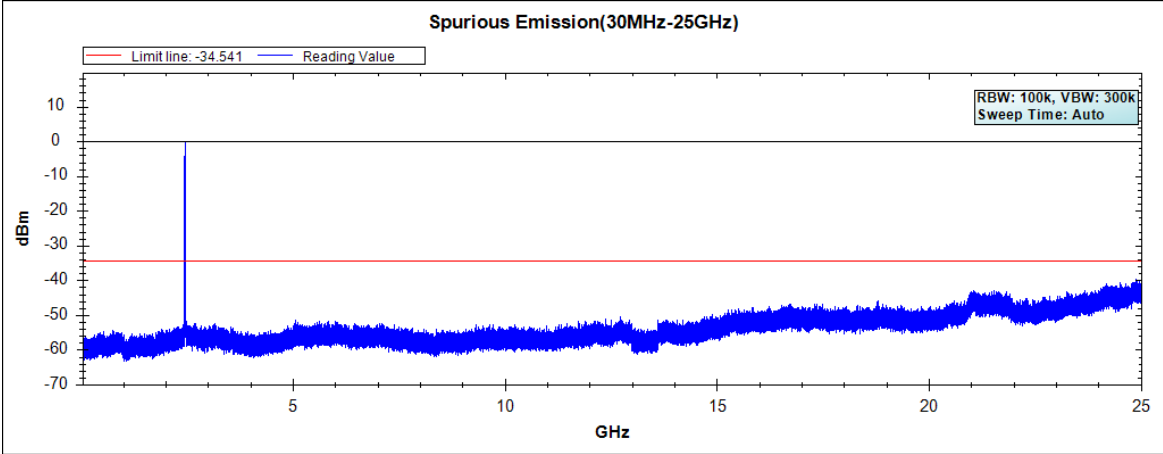
Channel 01 (2412MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

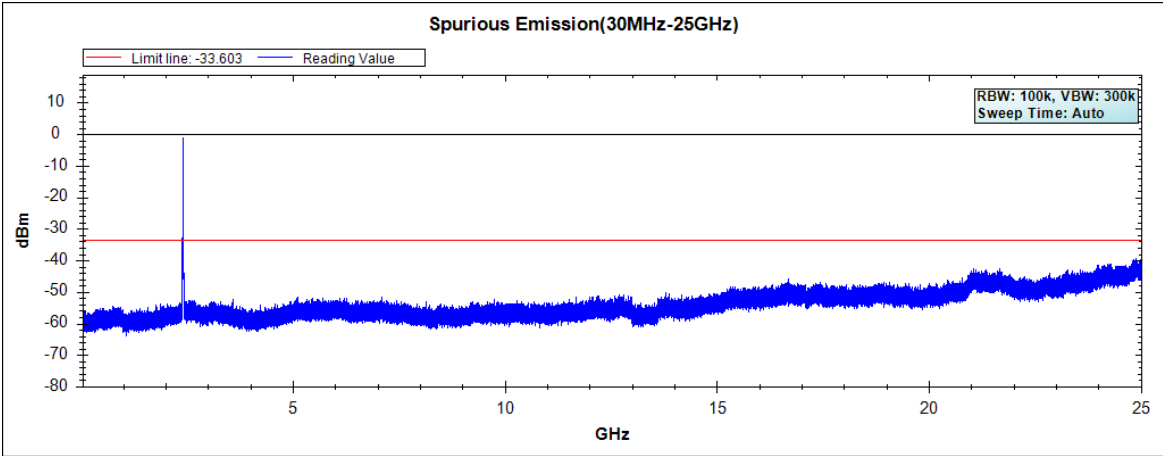


Channel 11 (2462MHz) 30MHz -25GHz-Chain B

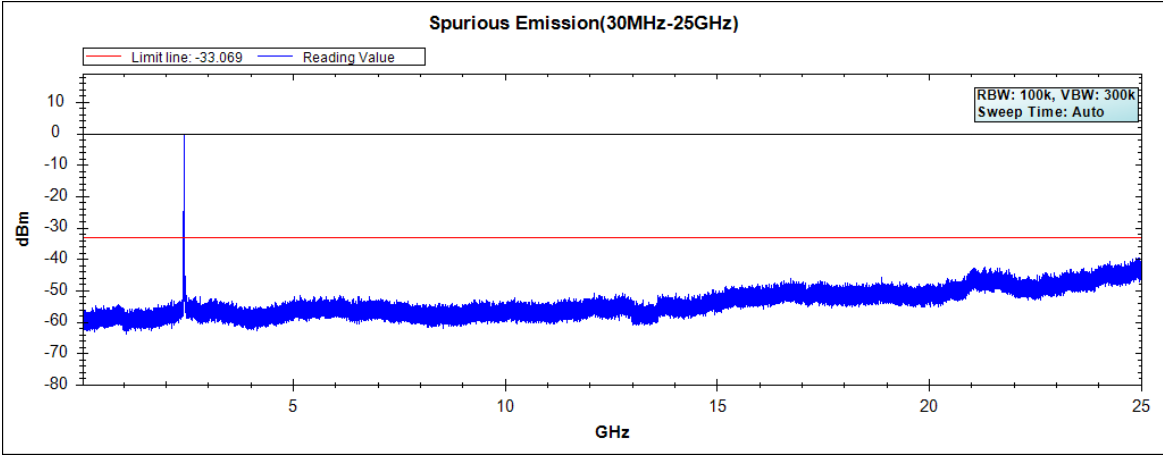


Note: The above test pattern is synthesized by multiple of the frequency range.

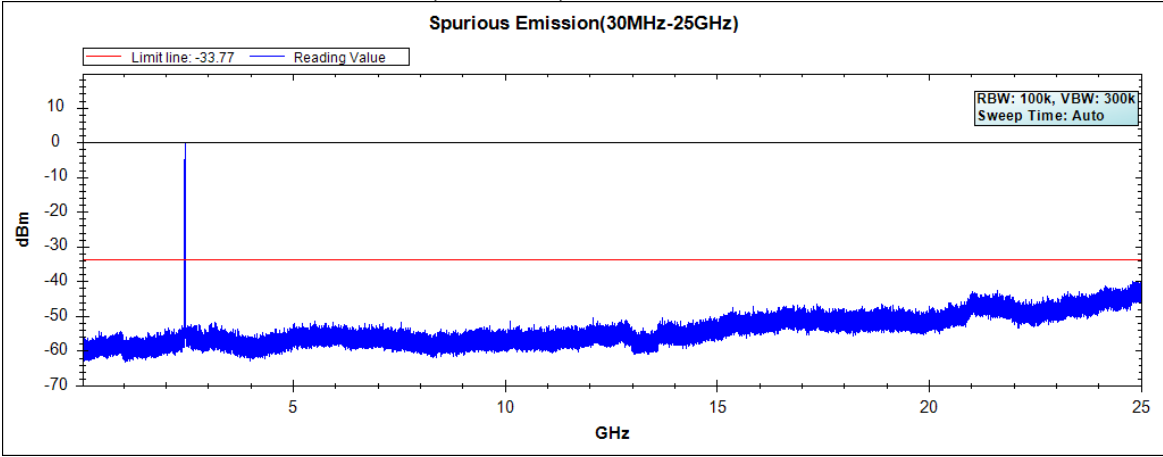
Channel 01 (2412MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

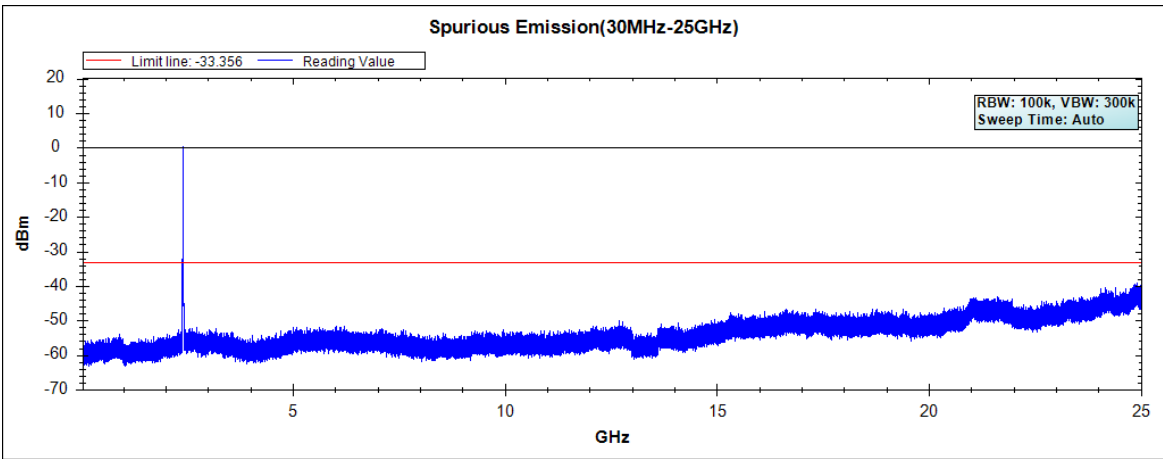


Channel 11 (2462MHz) 30MHz -25GHz-Chain C

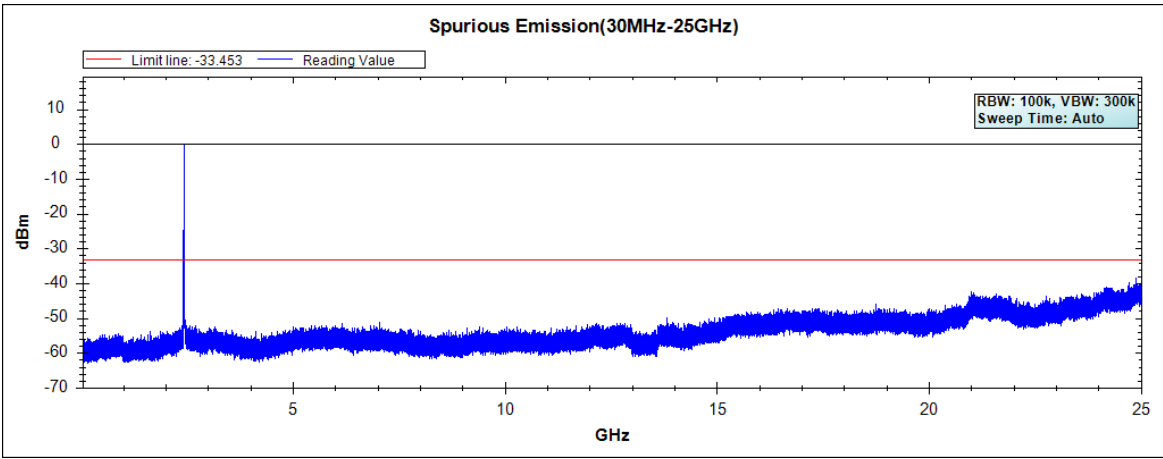


Note: The above test pattern is synthesized by multiple of the frequency range.

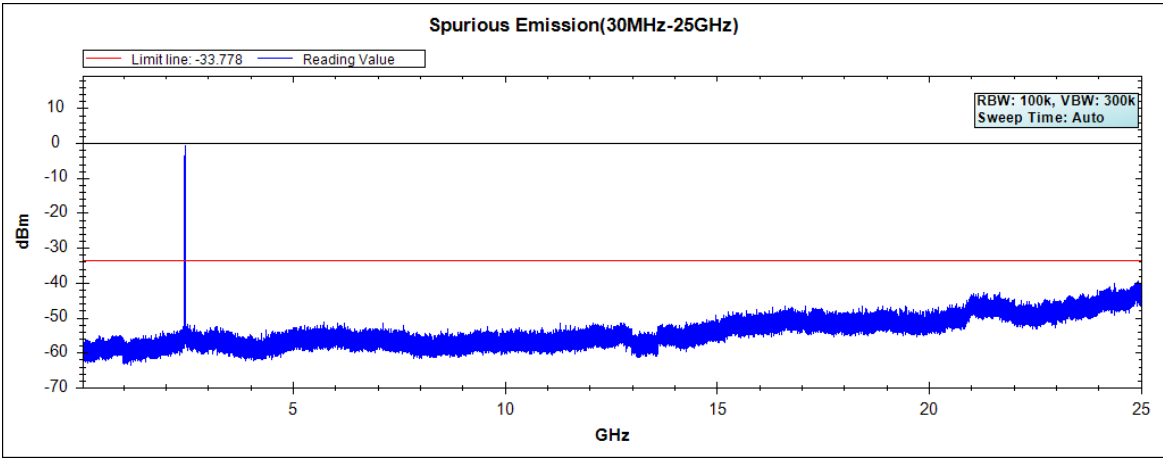
Channel 01 (2412MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

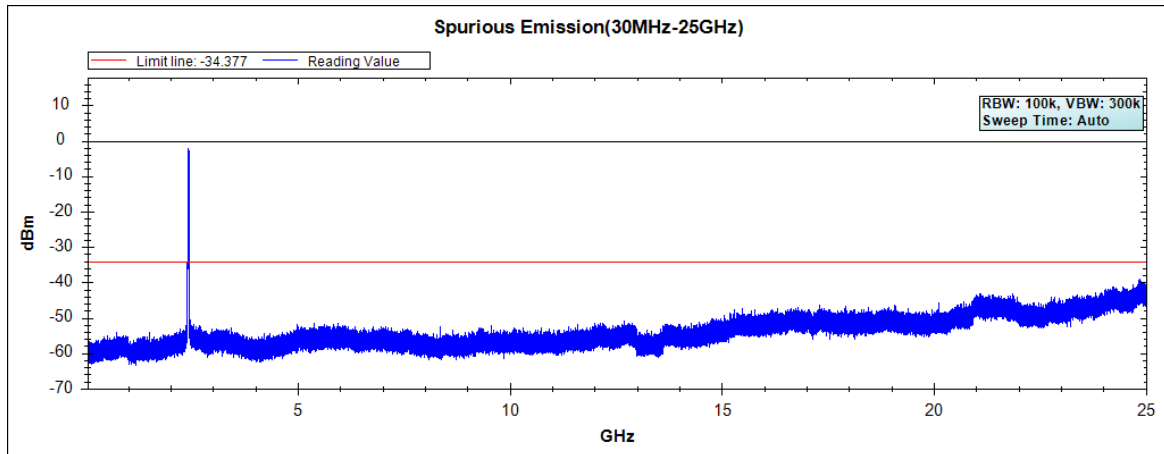
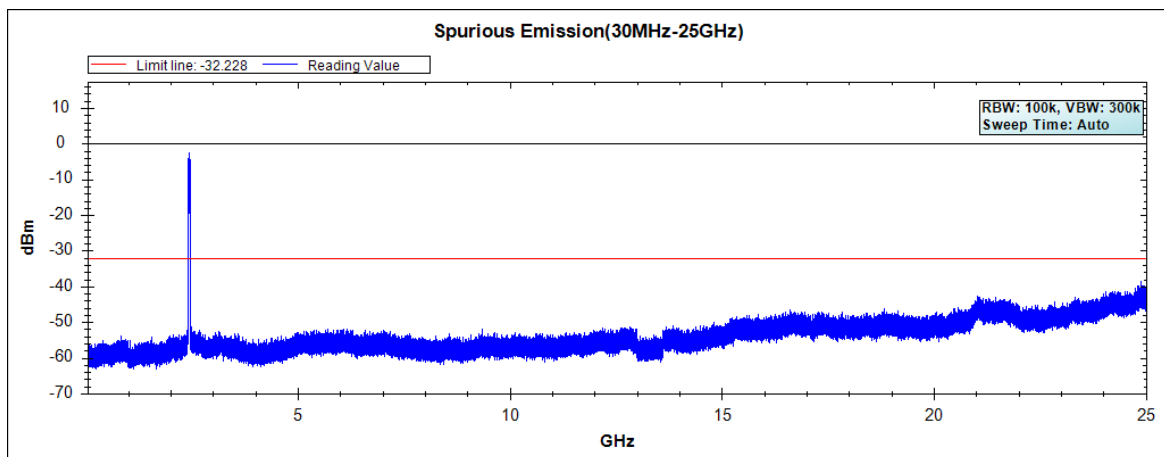
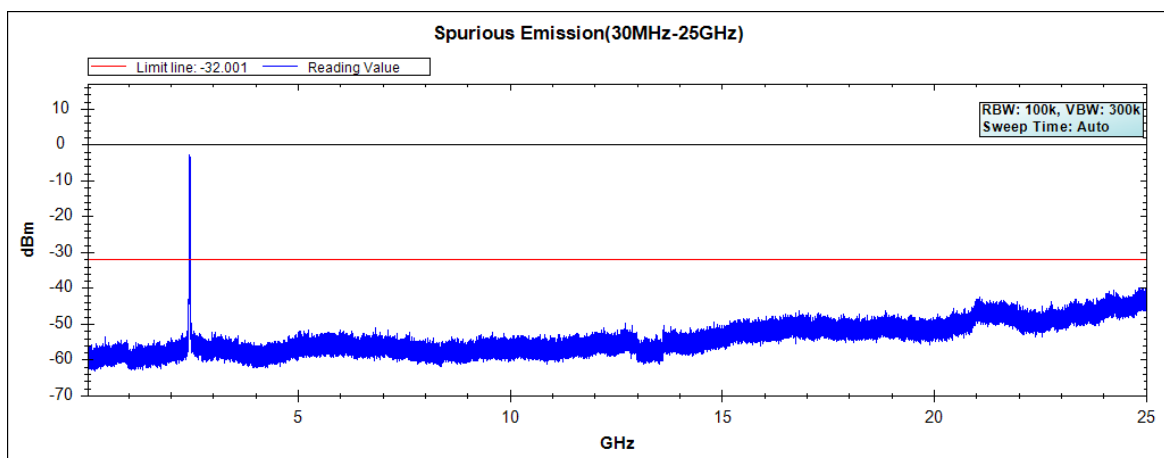


Channel 11 (2462MHz) 30MHz -25GHz-Chain D



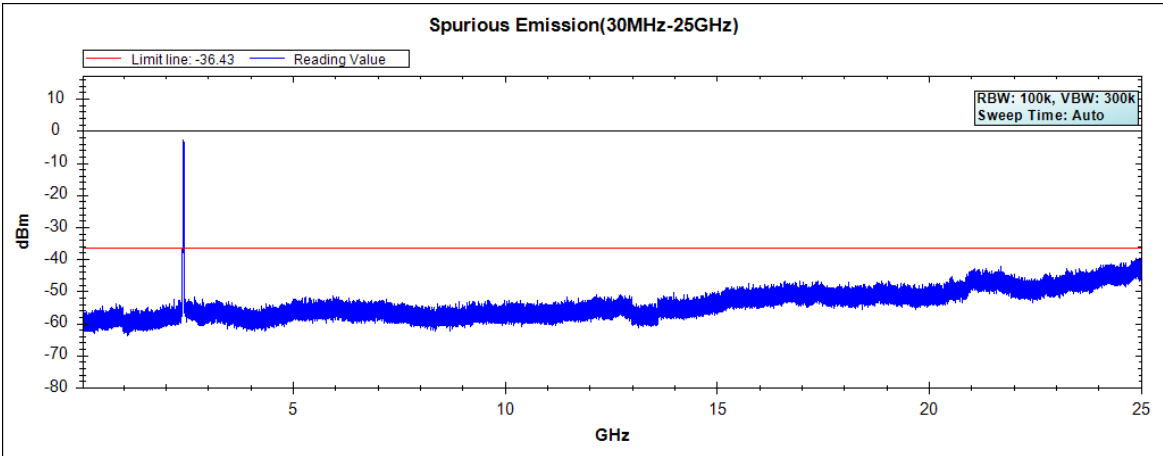
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.17)

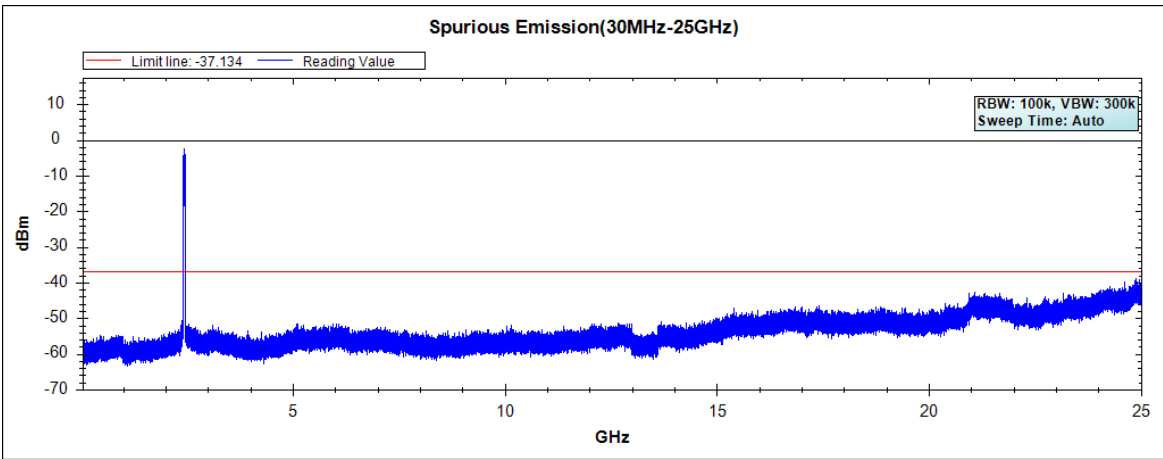
Channel 03 (2422MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 09 (2452MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

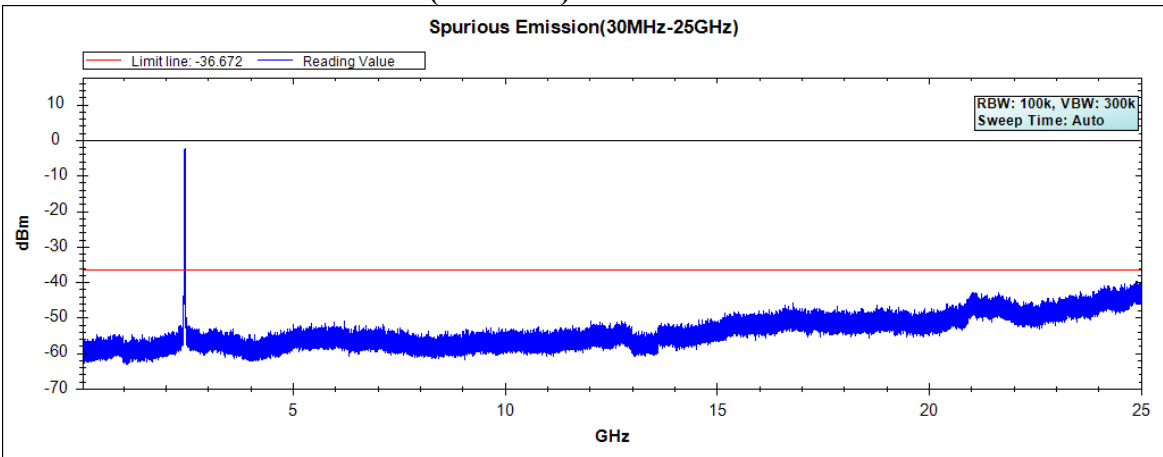
Channel 03 (2422MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

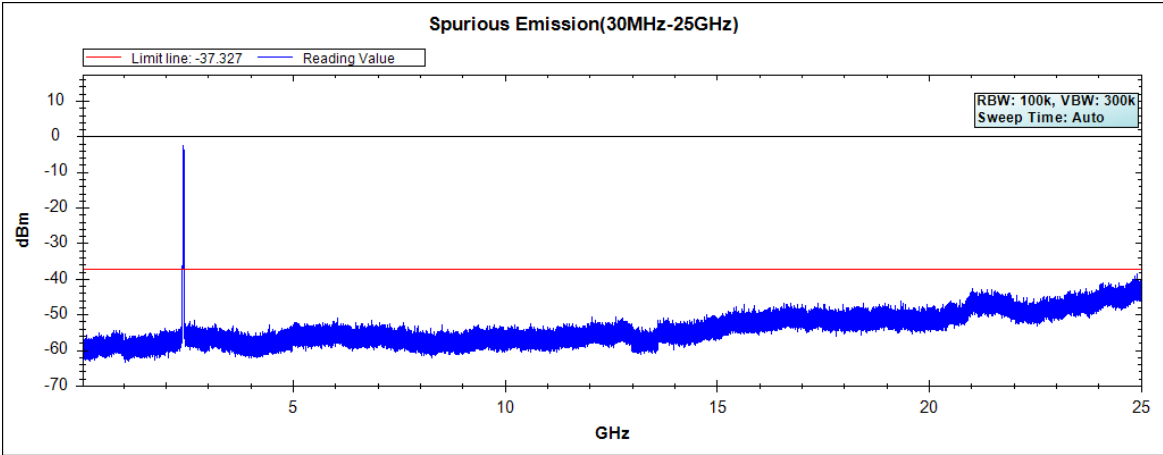


Channel 09 (2452MHz) 30MHz -25GHz-Chain B

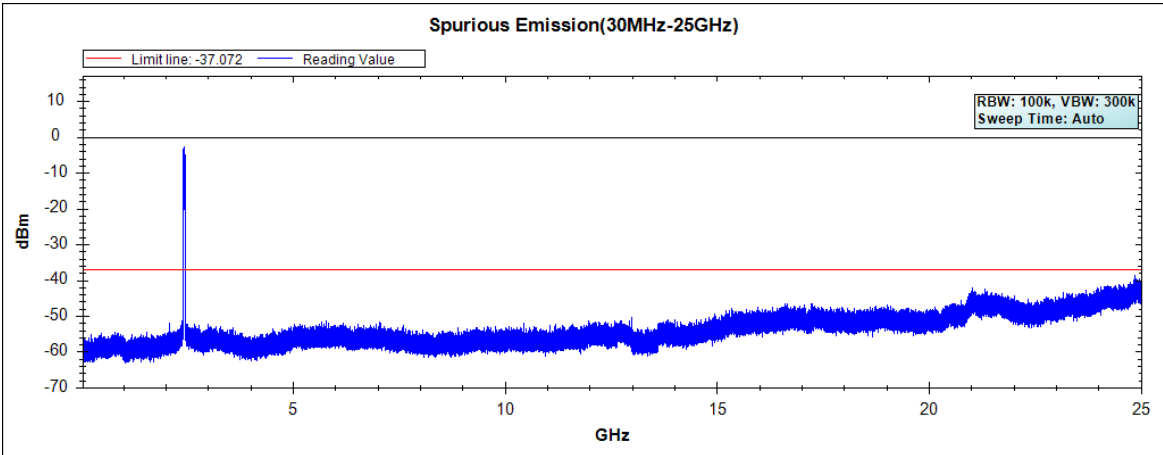


Note: The above test pattern is synthesized by multiple of the frequency range.

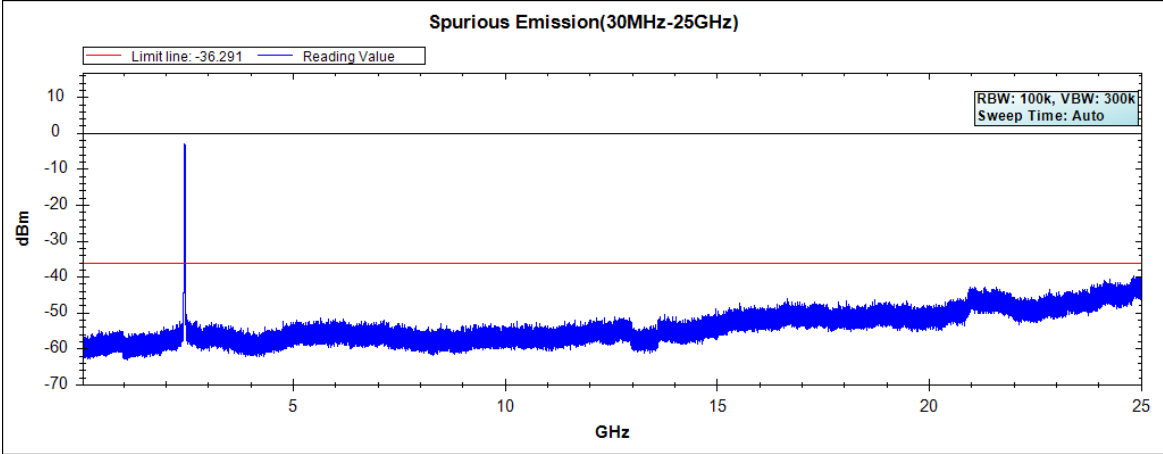
Channel 03 (2422MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

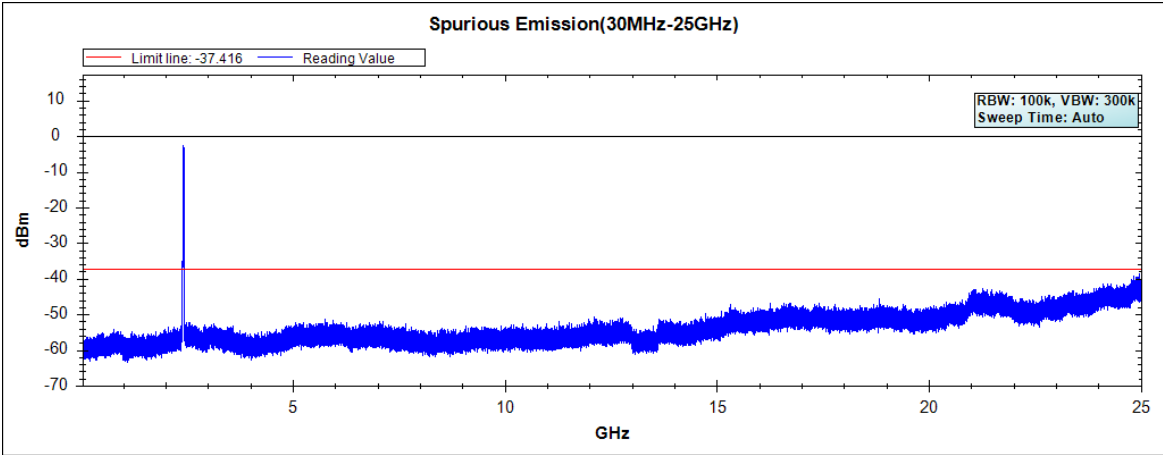


Channel 09 (2452MHz) 30MHz -25GHz-Chain C

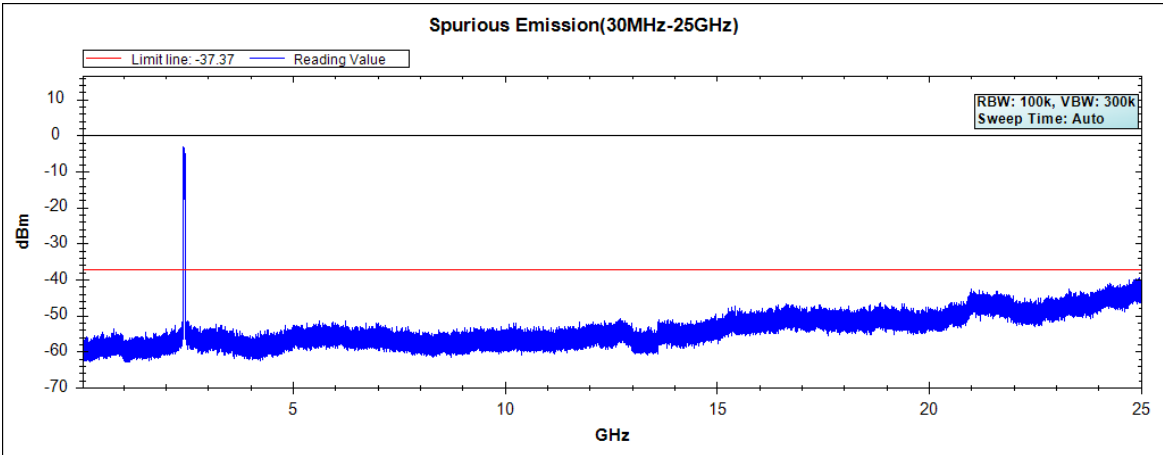


Note: The above test pattern is synthesized by multiple of the frequency range.

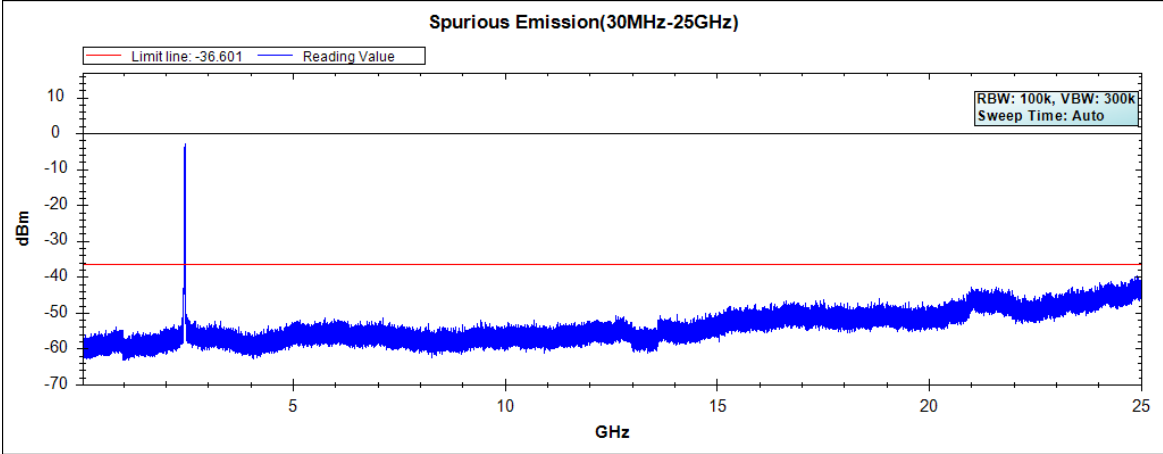
Channel 03 (2422MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

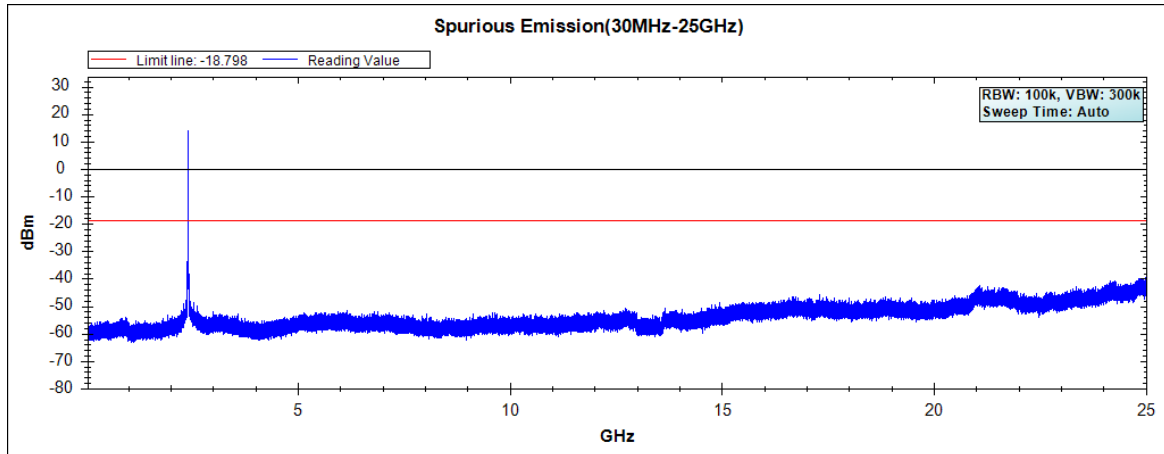
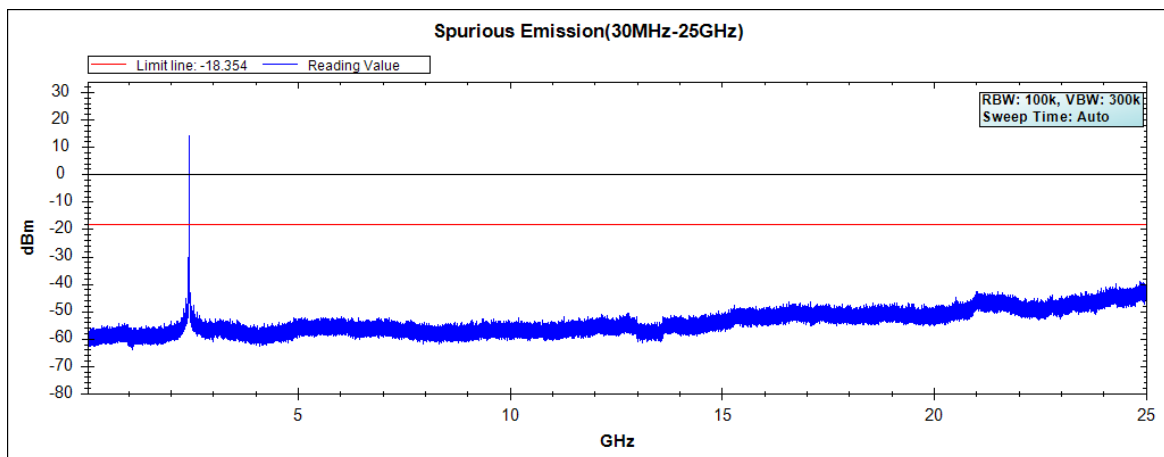
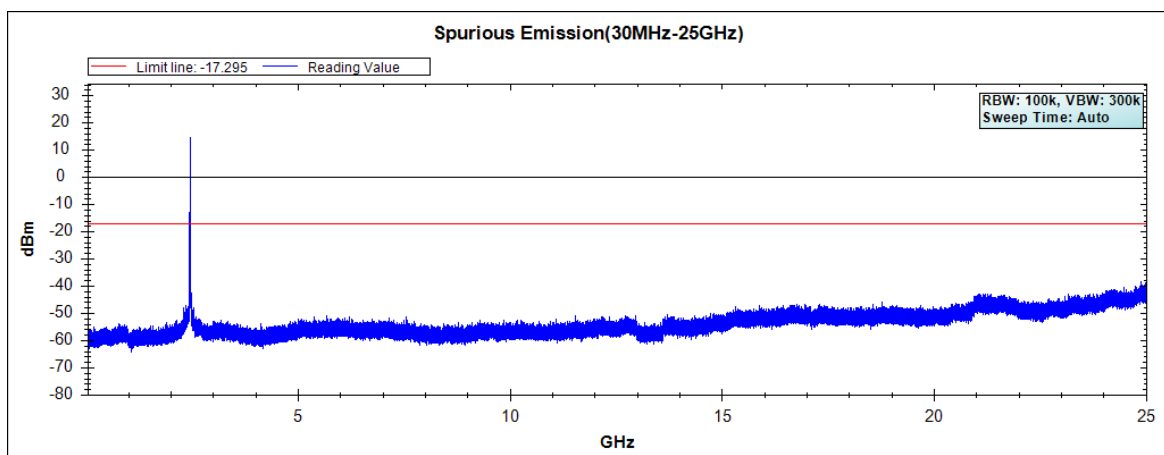


Channel 09 (2452MHz) 30MHz -25GHz-Chain D



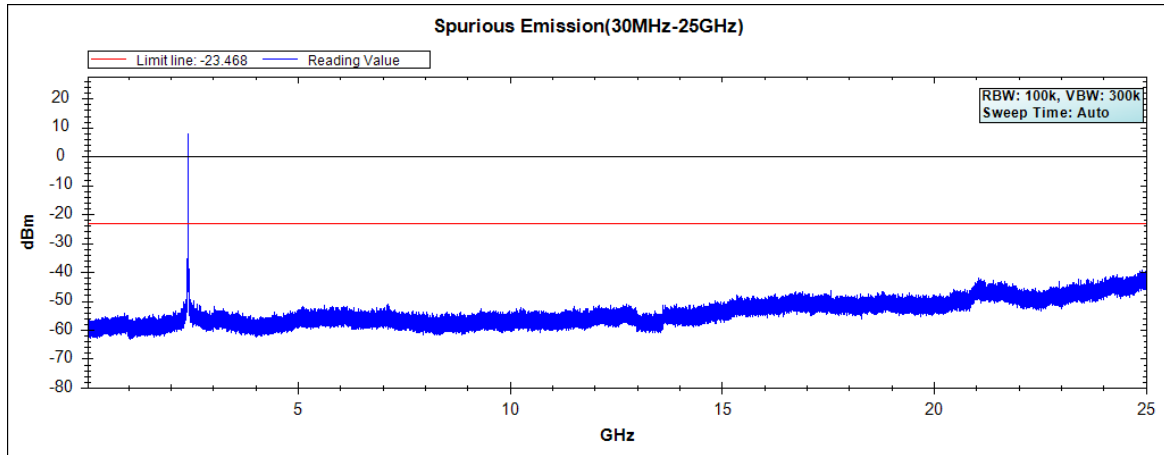
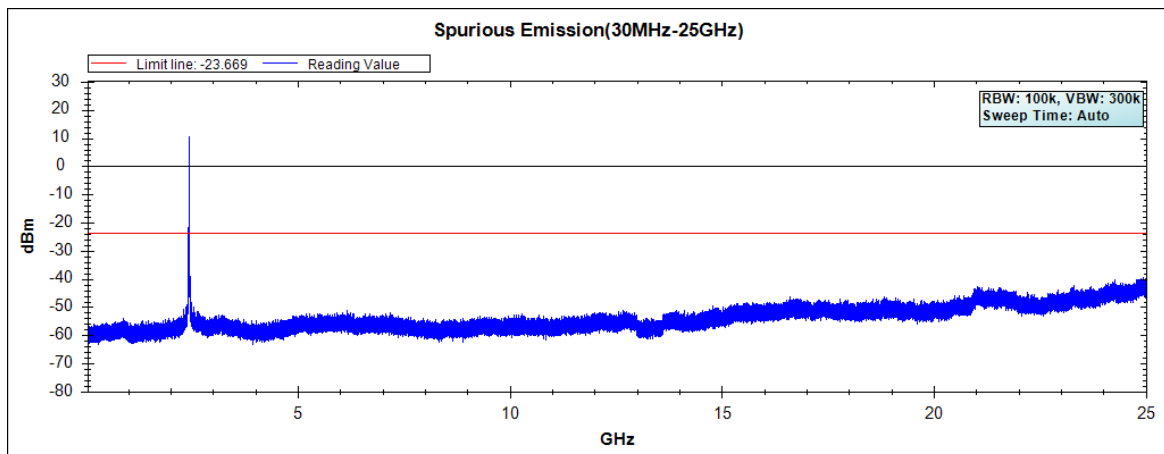
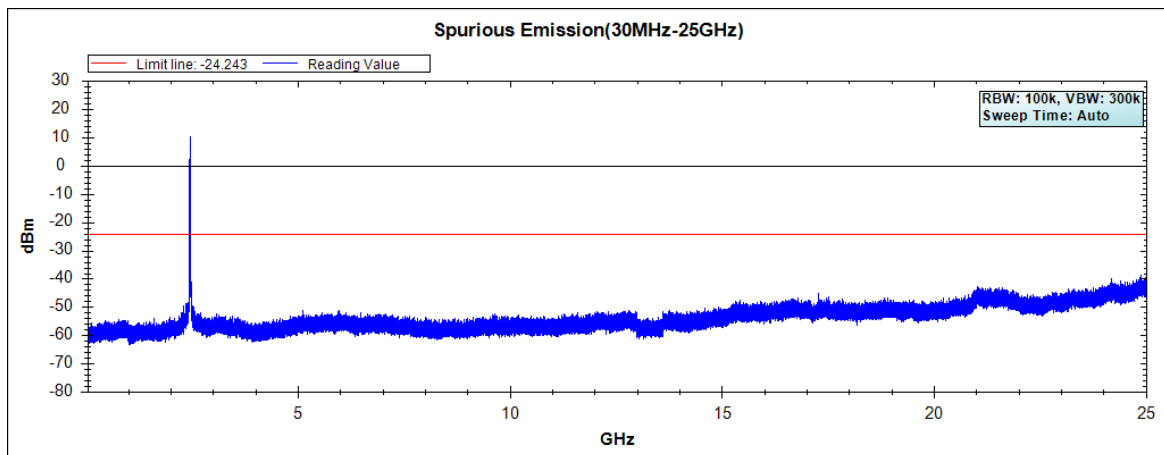
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.18)

Channel 01 (2412MHz) 30MHz-25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

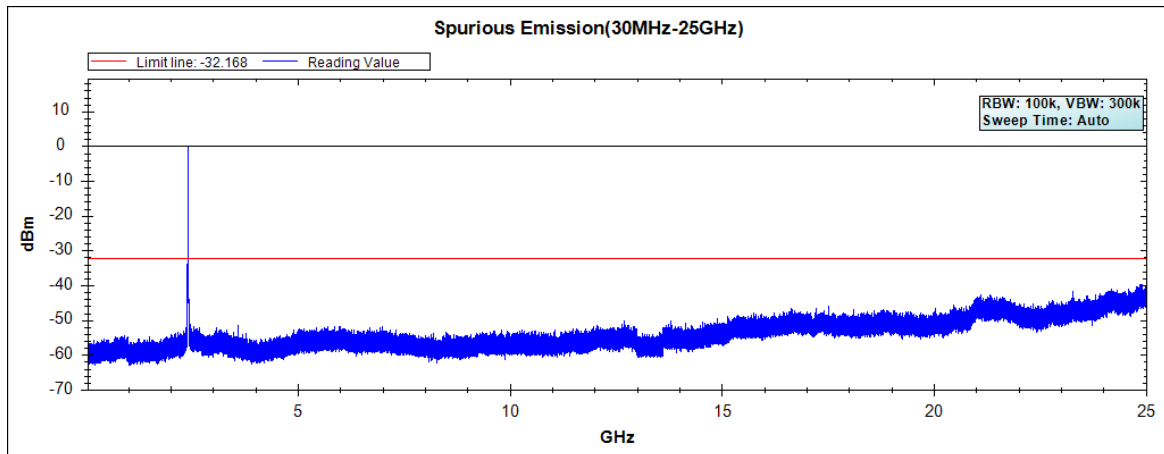
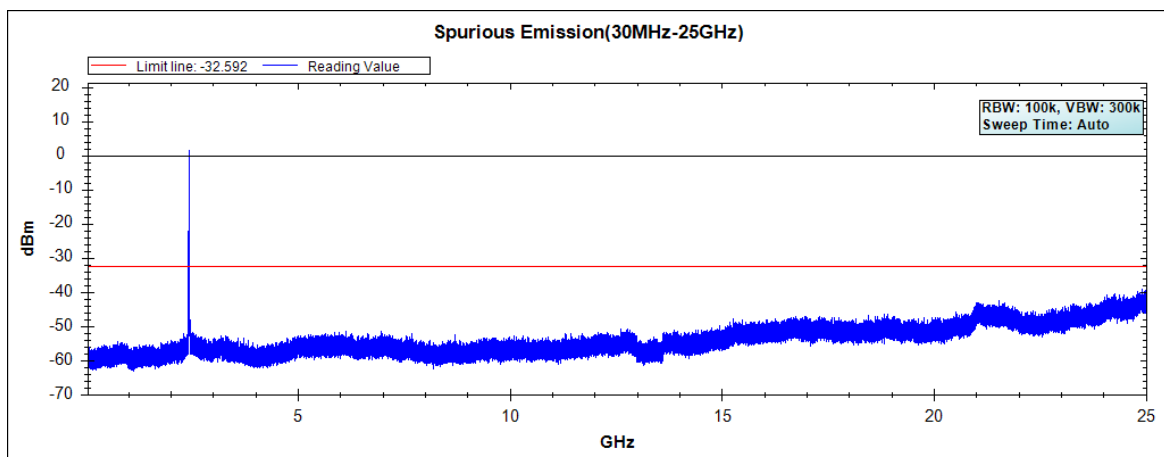
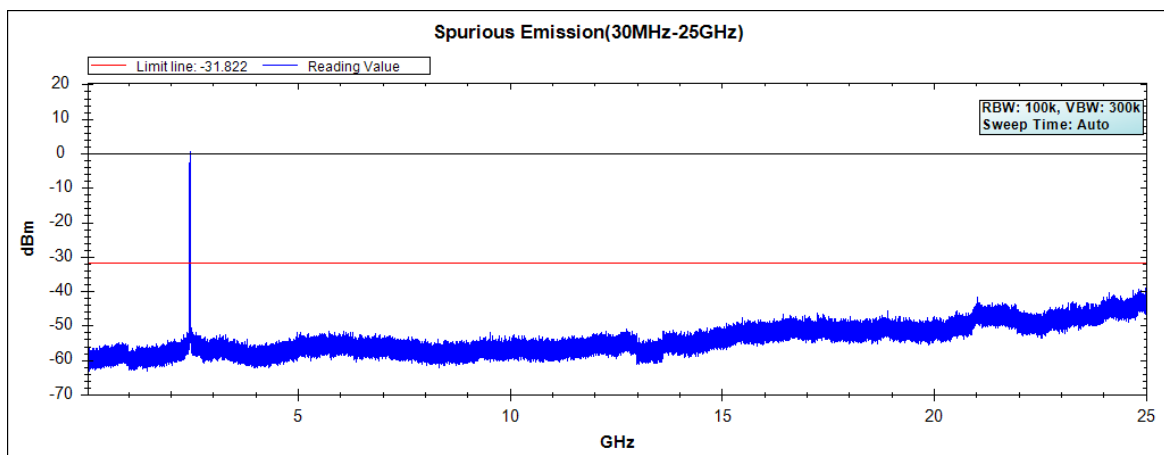
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.18)

Channel 01 (2412MHz) 30MHz -25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

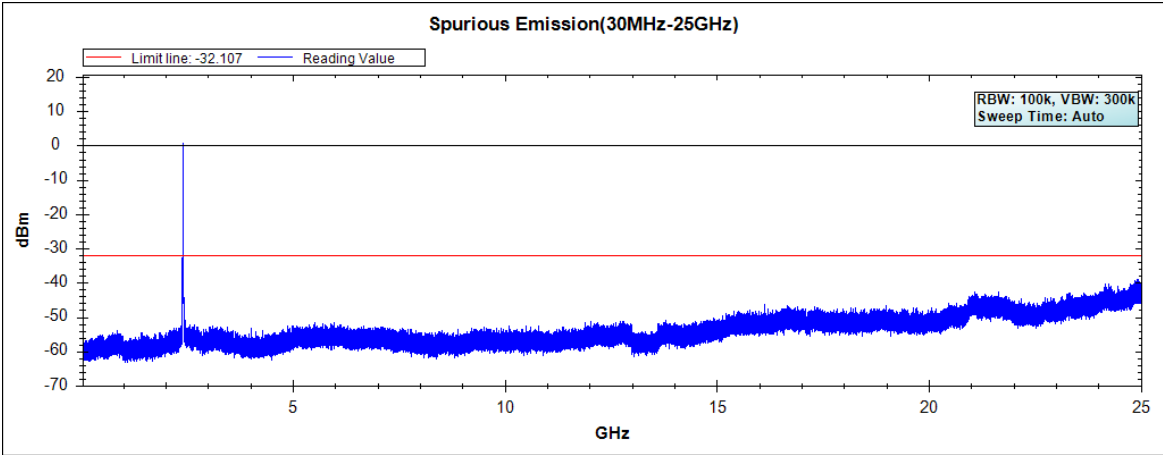
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.18)

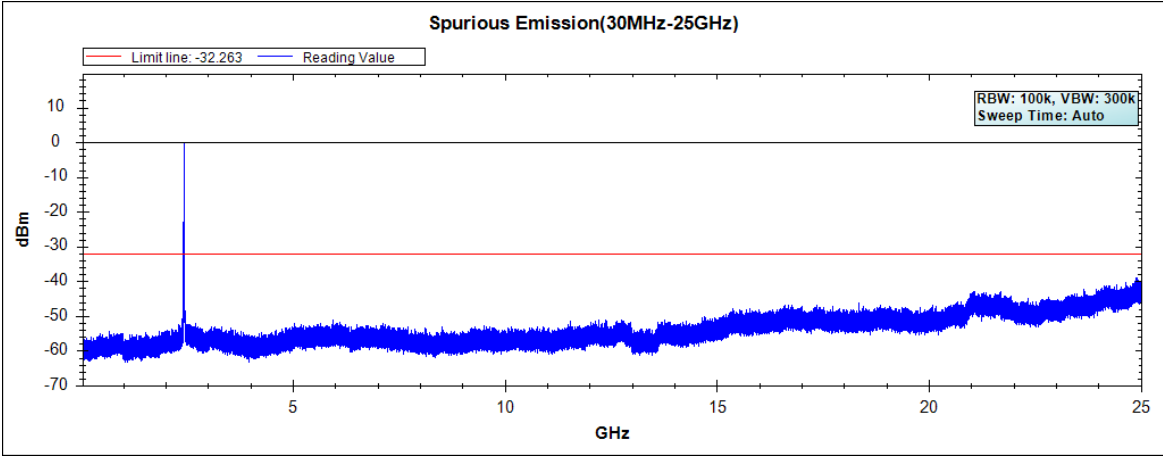
Channel 01 (2412MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 11 (2462MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

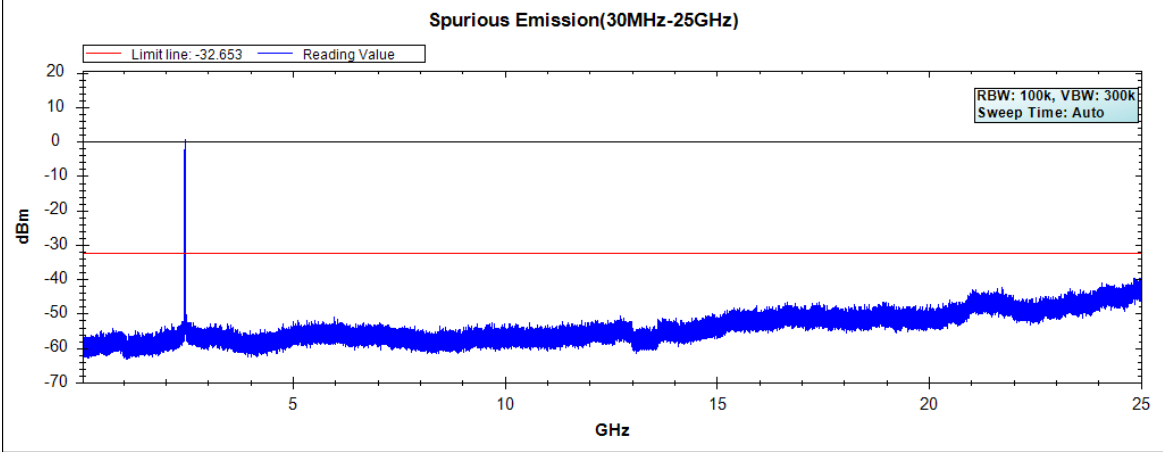
Channel 01 (2412MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

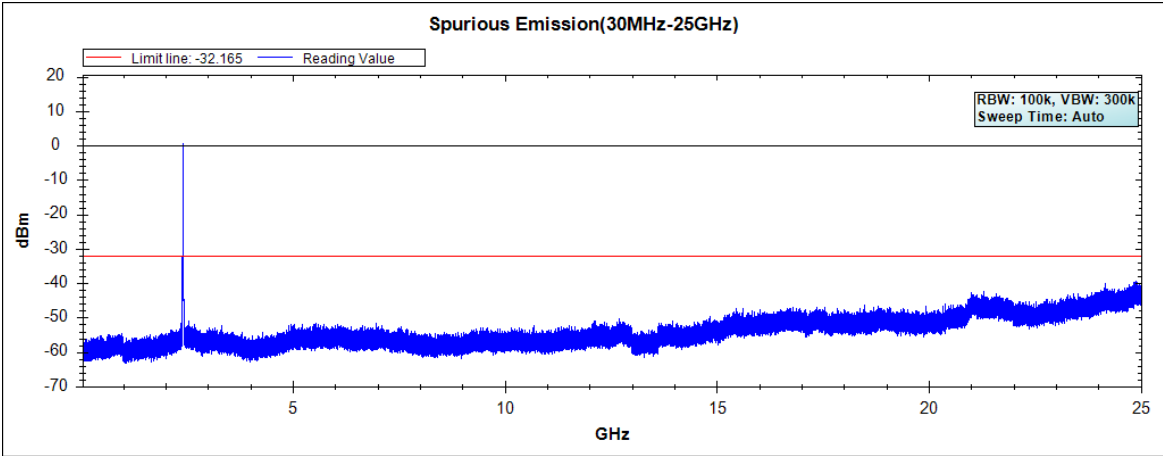


Channel 11 (2462MHz) 30MHz -25GHz-Chain B

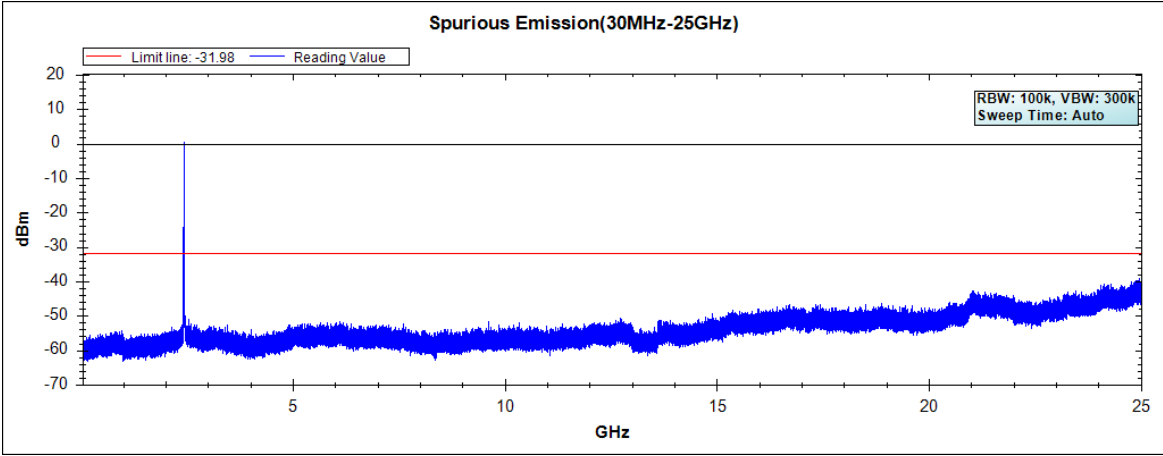


Note: The above test pattern is synthesized by multiple of the frequency range.

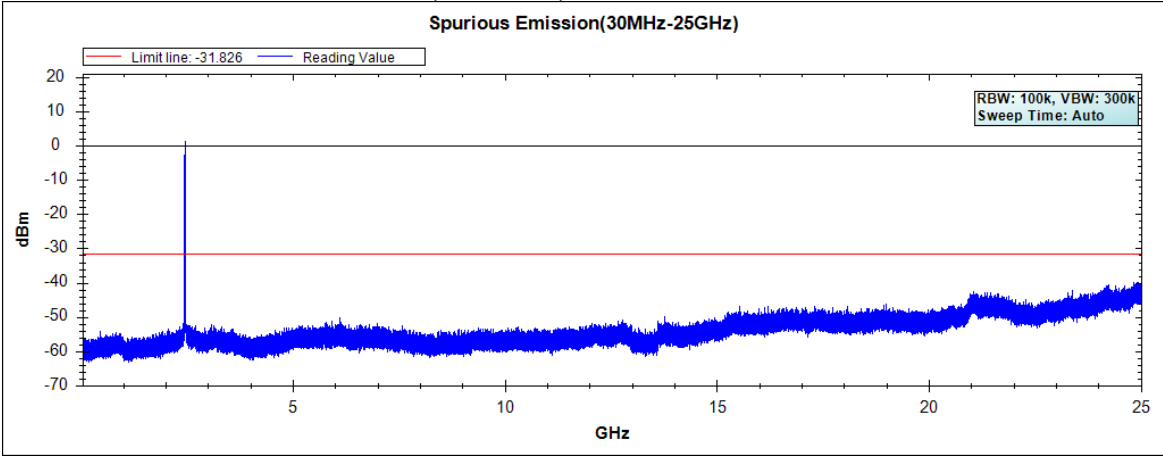
Channel 01 (2412MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

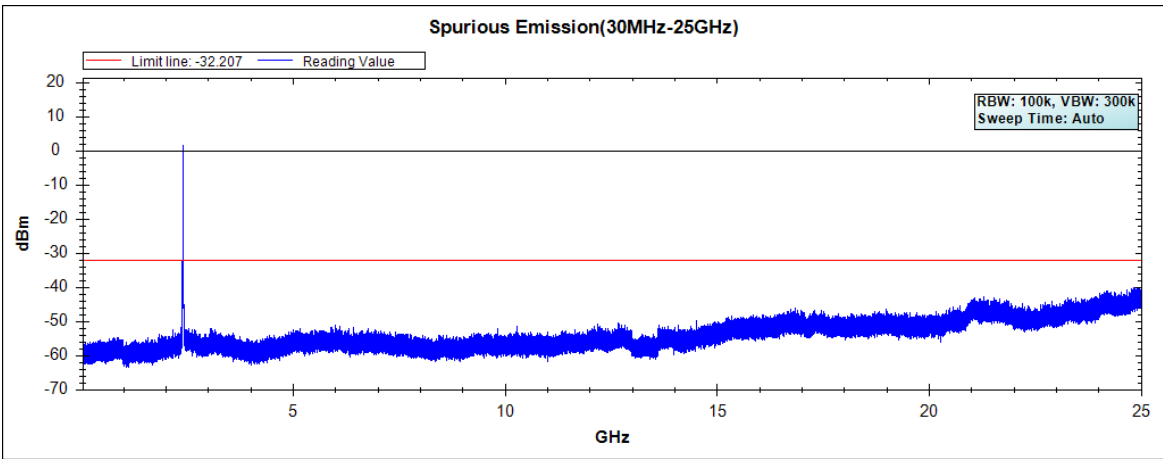


Channel 11 (2462MHz) 30MHz -25GHz-Chain C

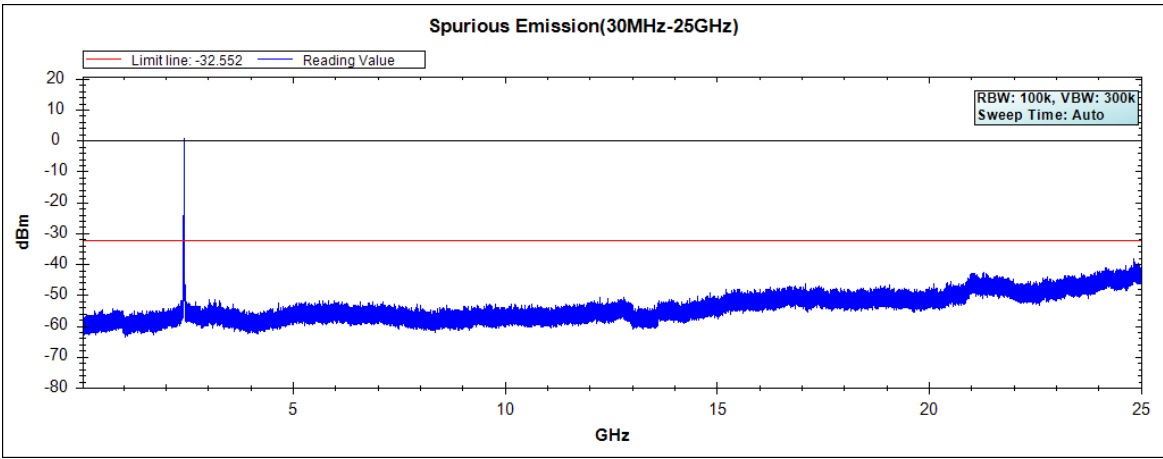


Note: The above test pattern is synthesized by multiple of the frequency range.

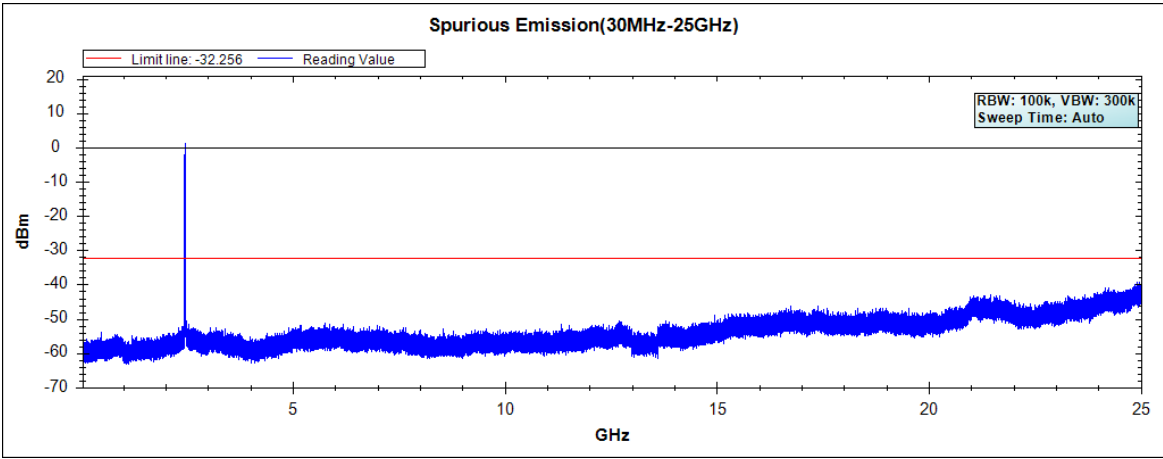
Channel 01 (2412MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

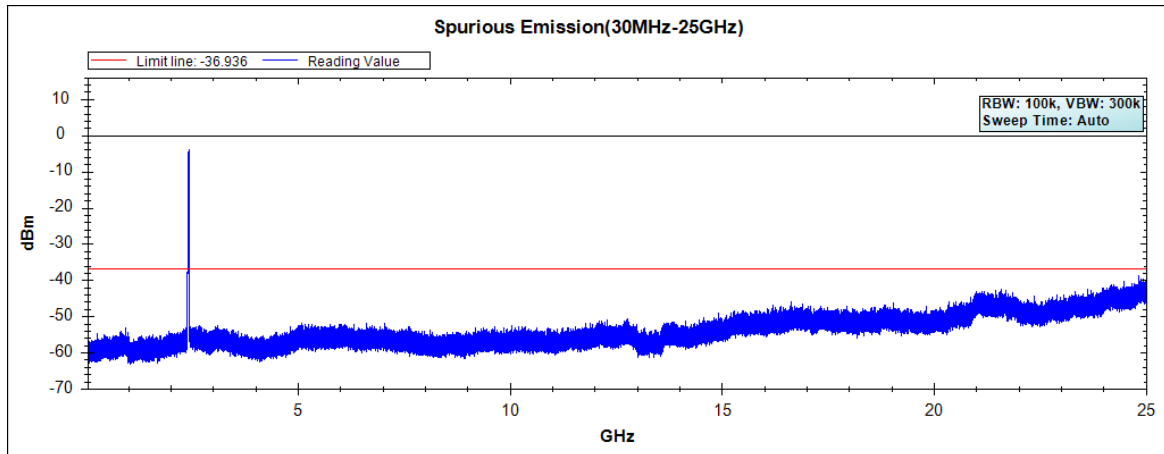
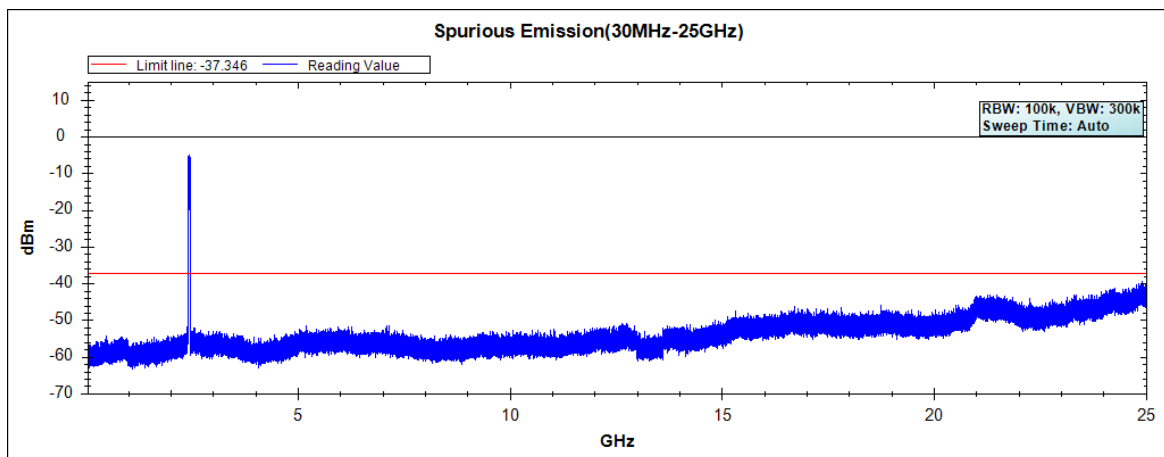
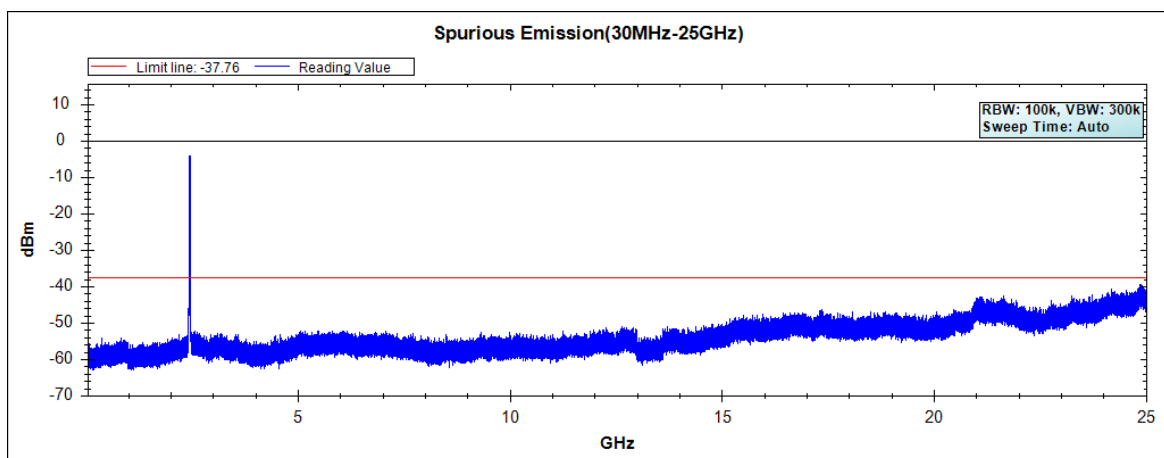


Channel 11 (2462MHz) 30MHz -25GHz-Chain D



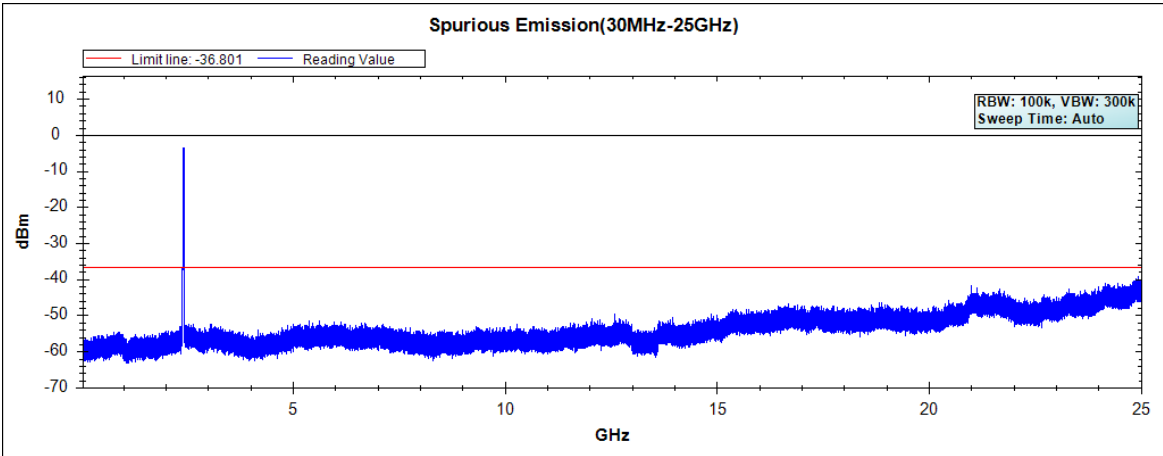
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.18)

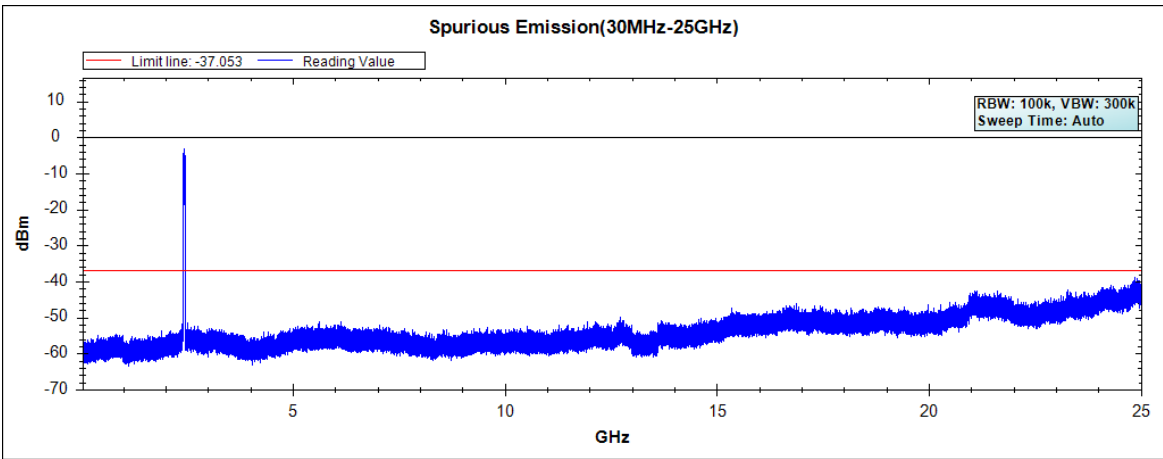
Channel 03 (2422MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 09 (2452MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

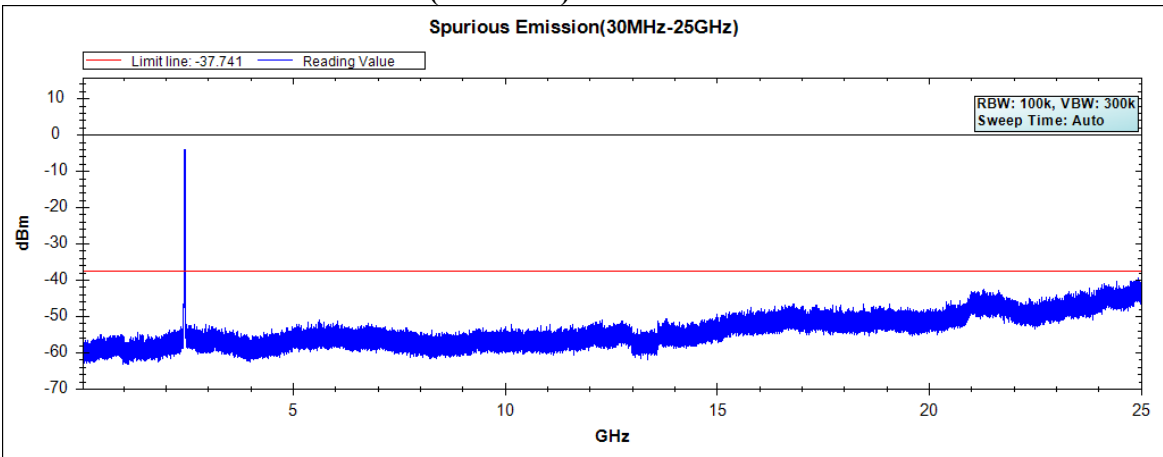
Channel 03 (2422MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

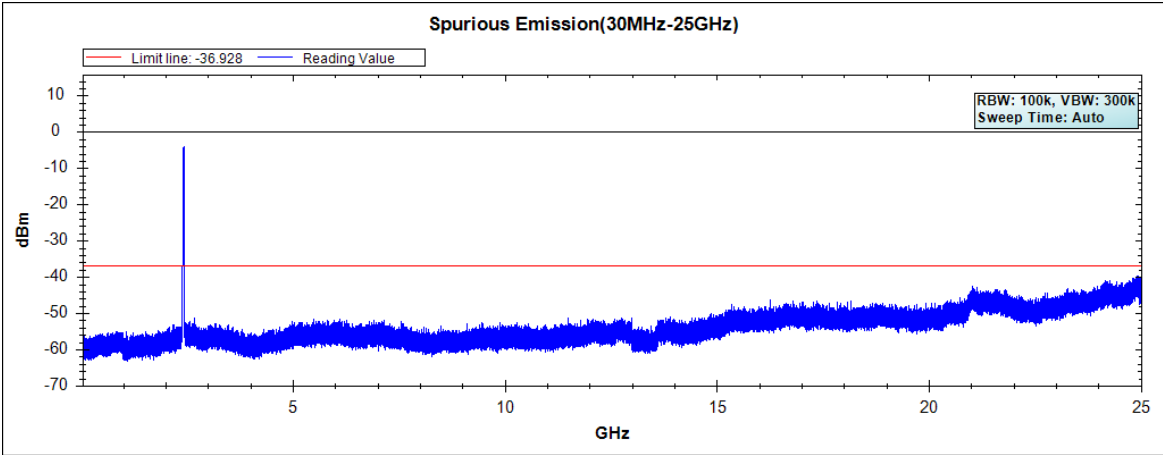


Channel 09 (2452MHz) 30MHz -25GHz-Chain B

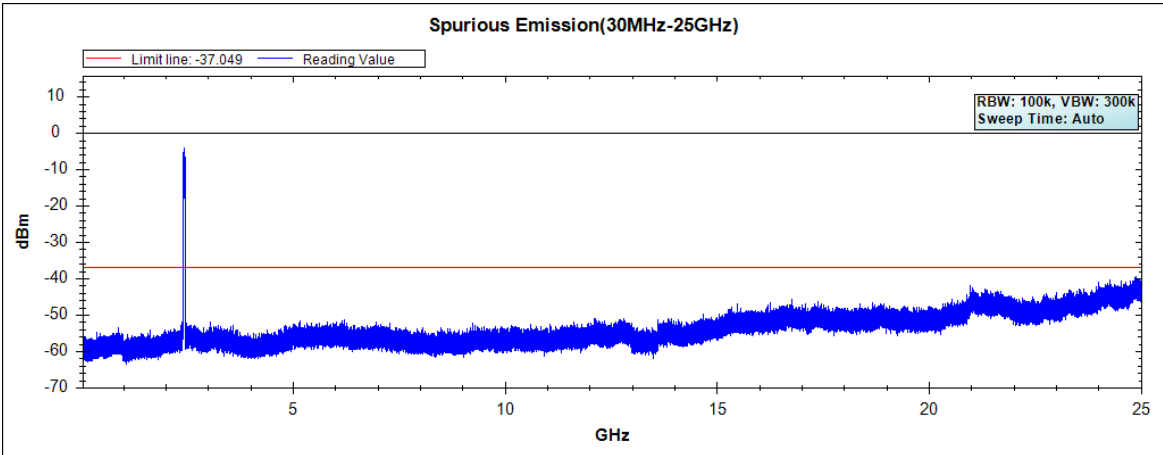


Note: The above test pattern is synthesized by multiple of the frequency range.

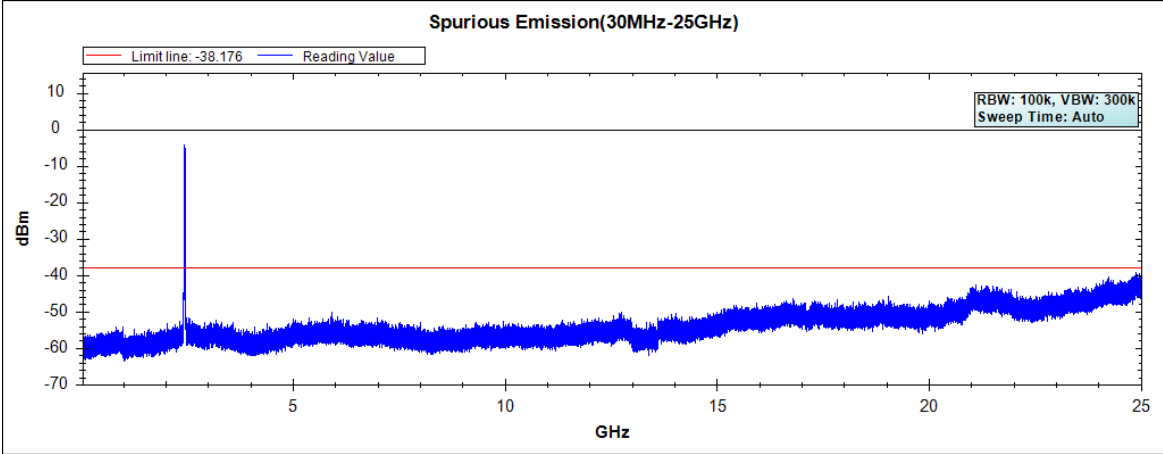
Channel 03 (2422MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

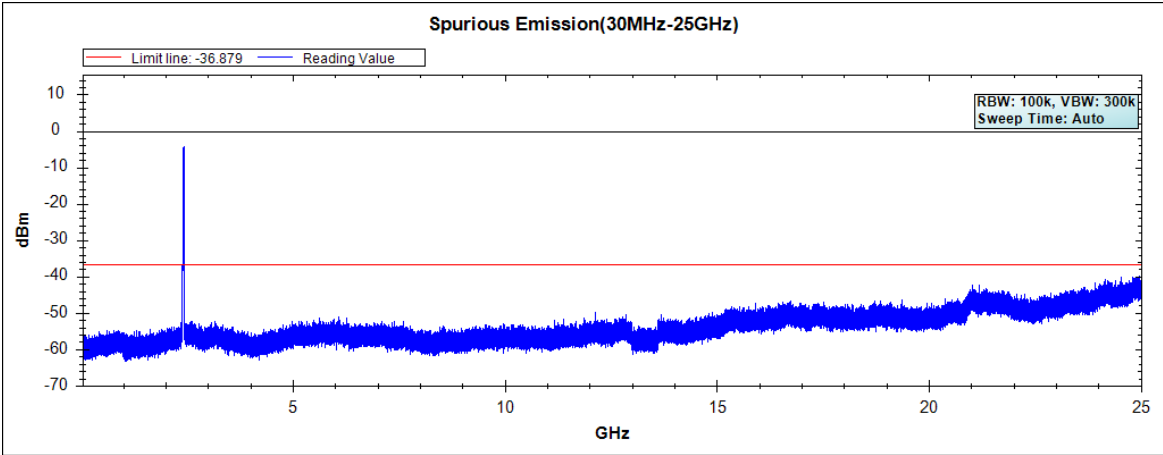


Channel 09 (2452MHz) 30MHz -25GHz-Chain C

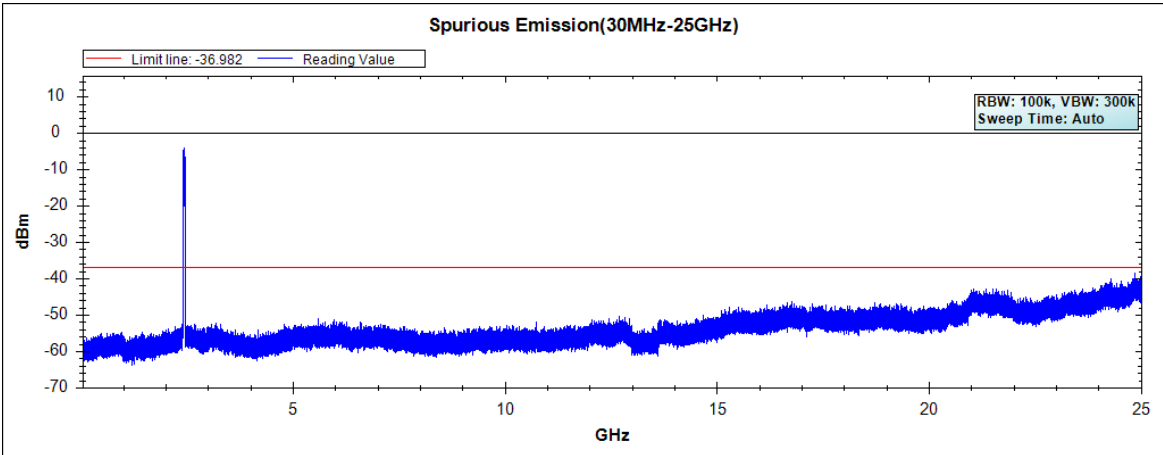


Note: The above test pattern is synthesized by multiple of the frequency range.

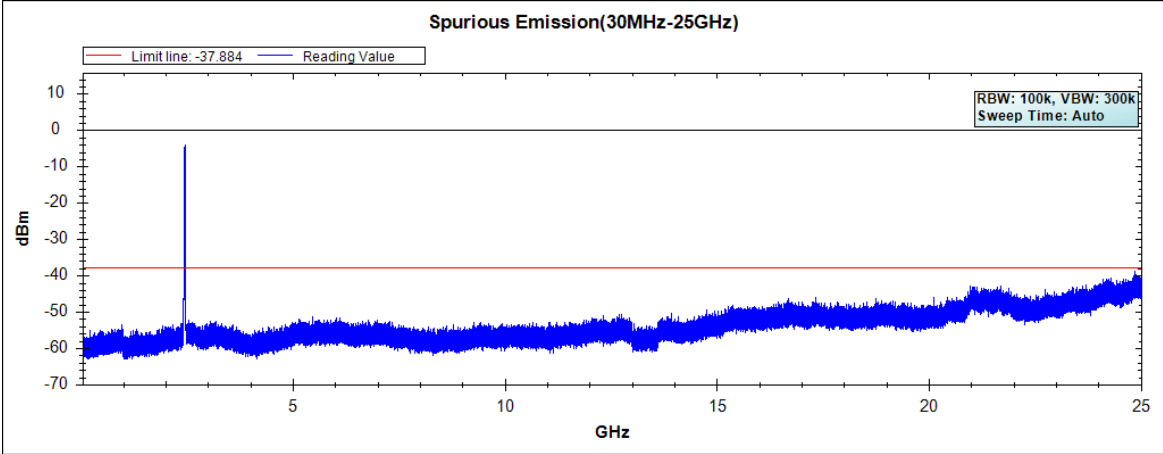
Channel 03 (2422MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

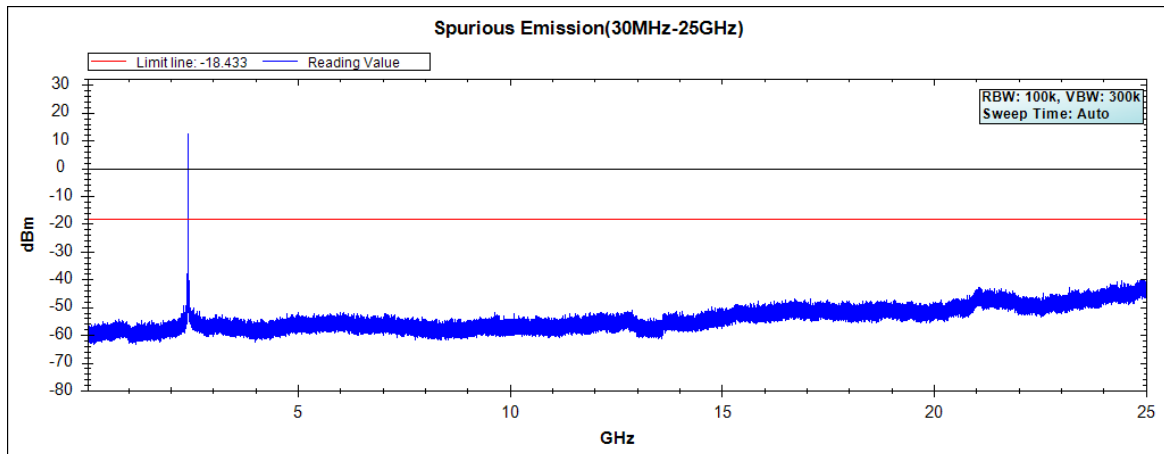
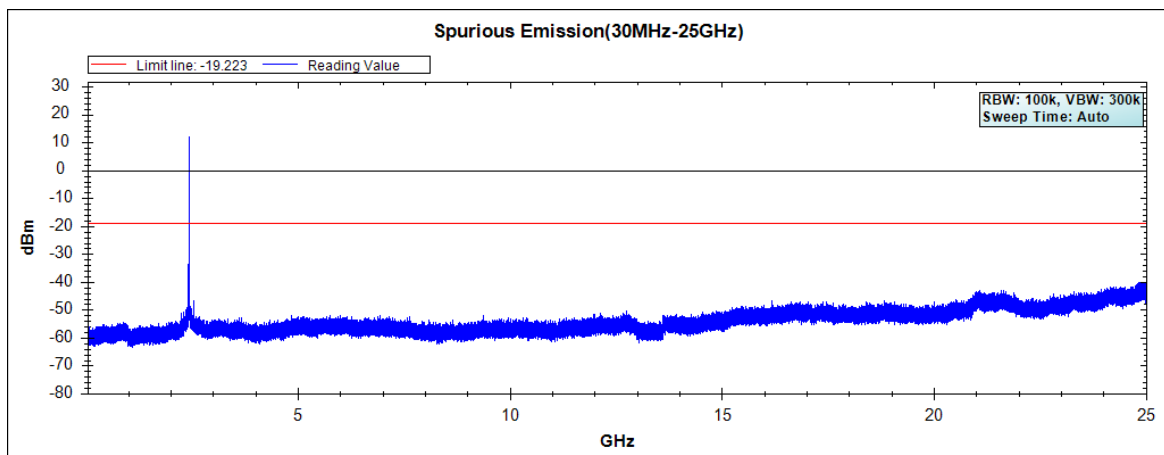
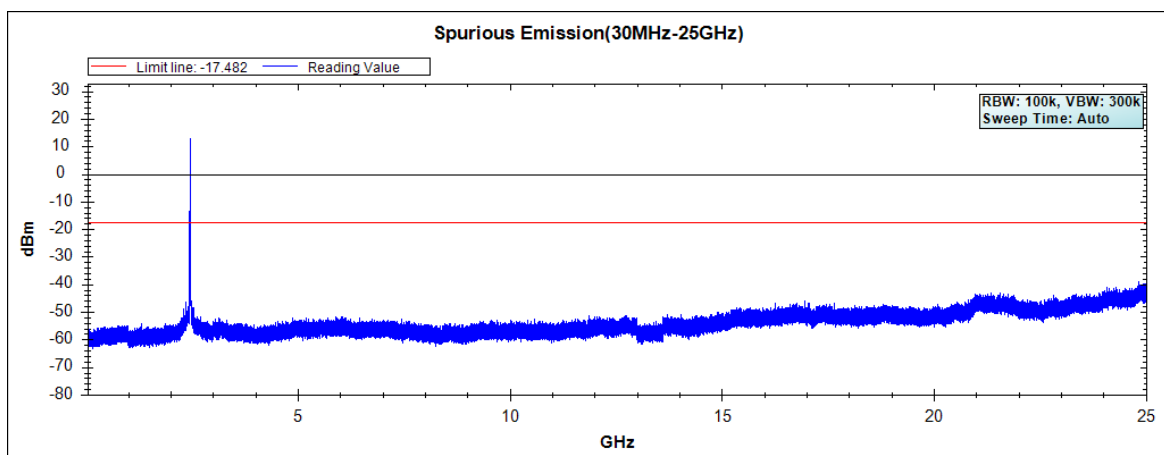


Channel 09 (2452MHz) 30MHz -25GHz-Chain D



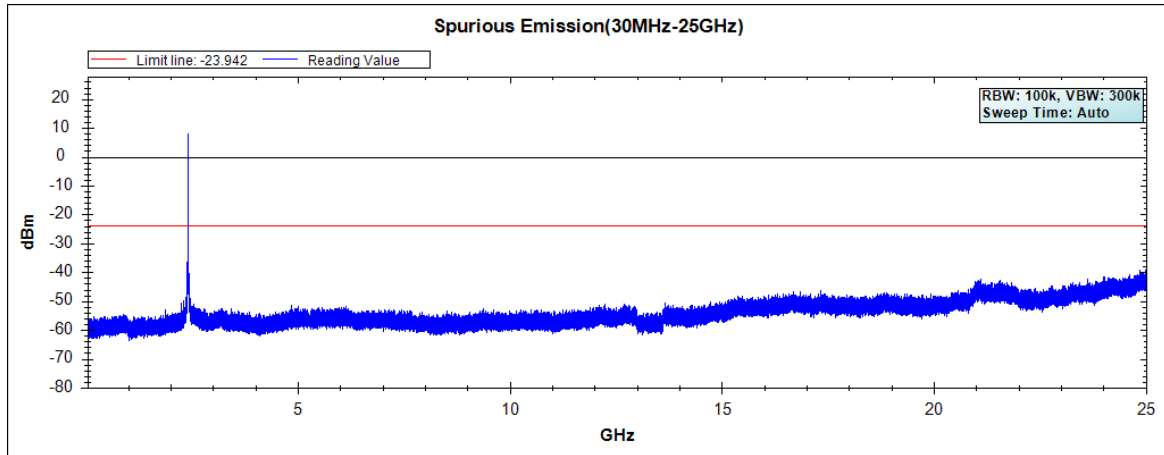
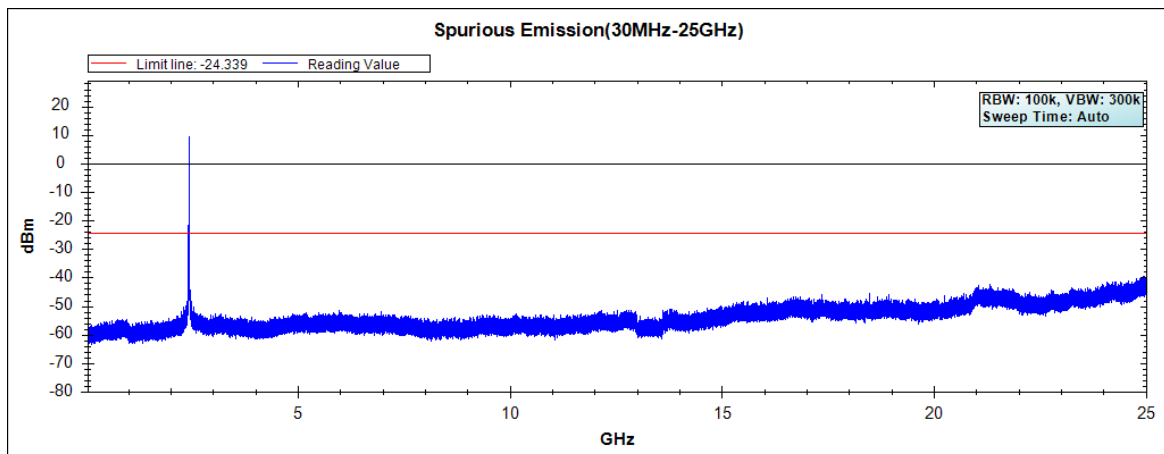
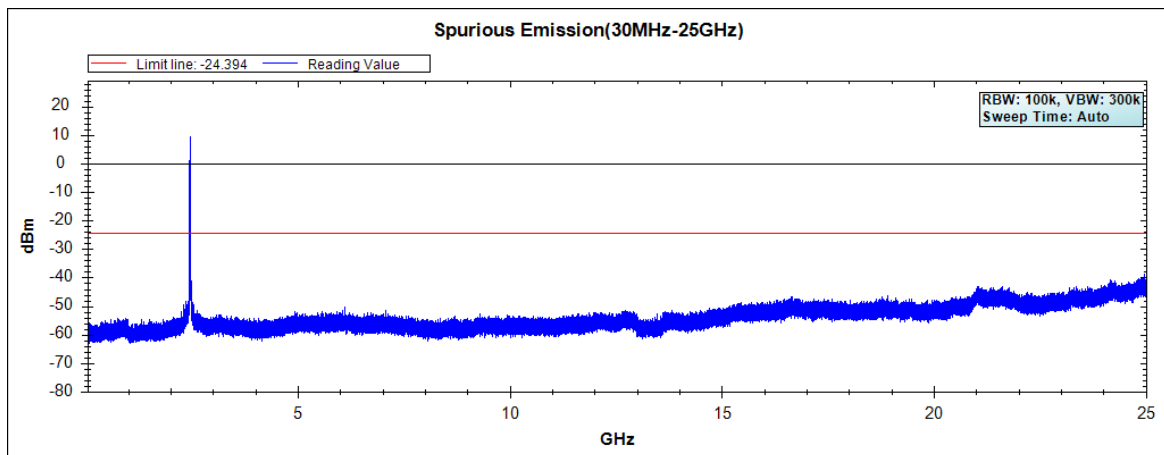
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.19)

Channel 01 (2412MHz) 30MHz-25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

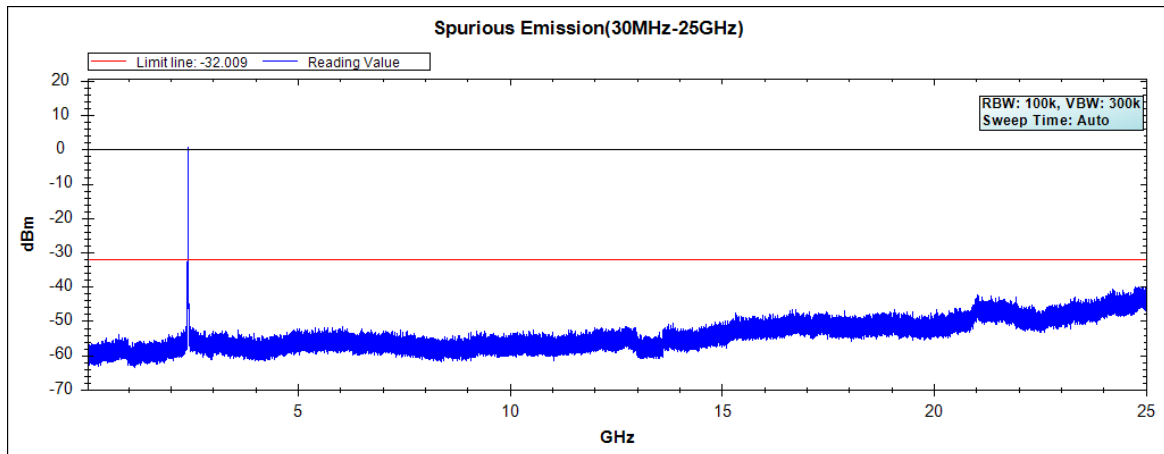
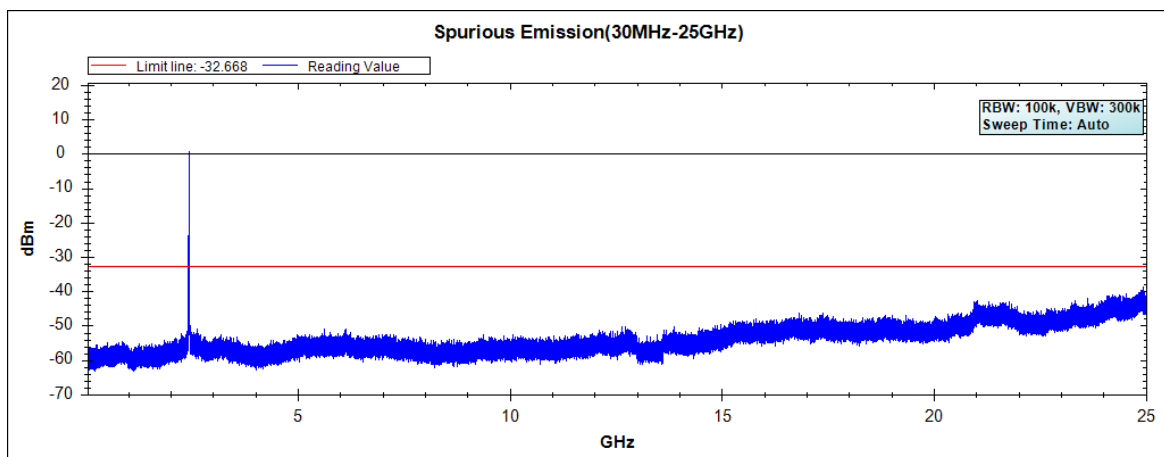
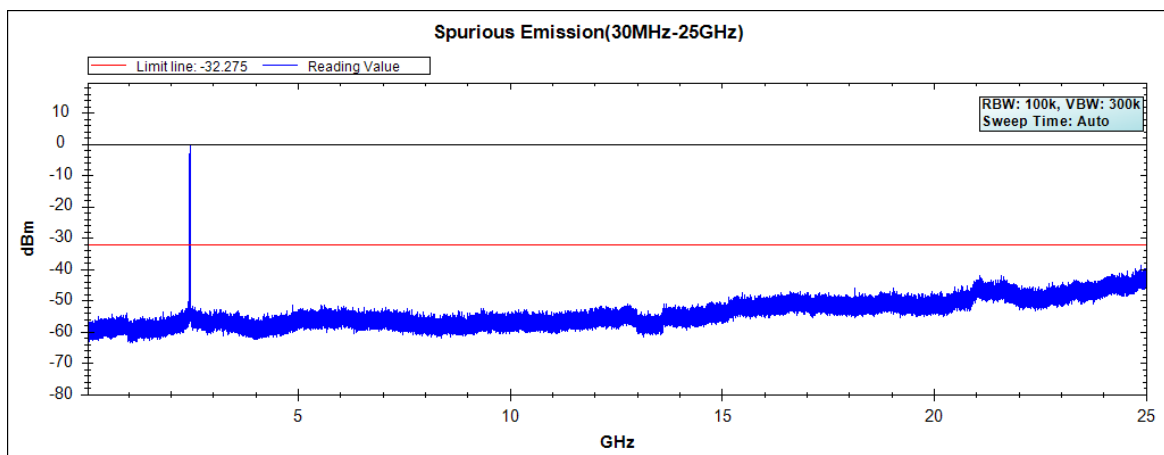
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.19)

Channel 01 (2412MHz) 30MHz -25GHz**Channel 06 (2437MHz) 30MHz -25GHz****Channel 11 (2462MHz) 30MHz -25GHz**

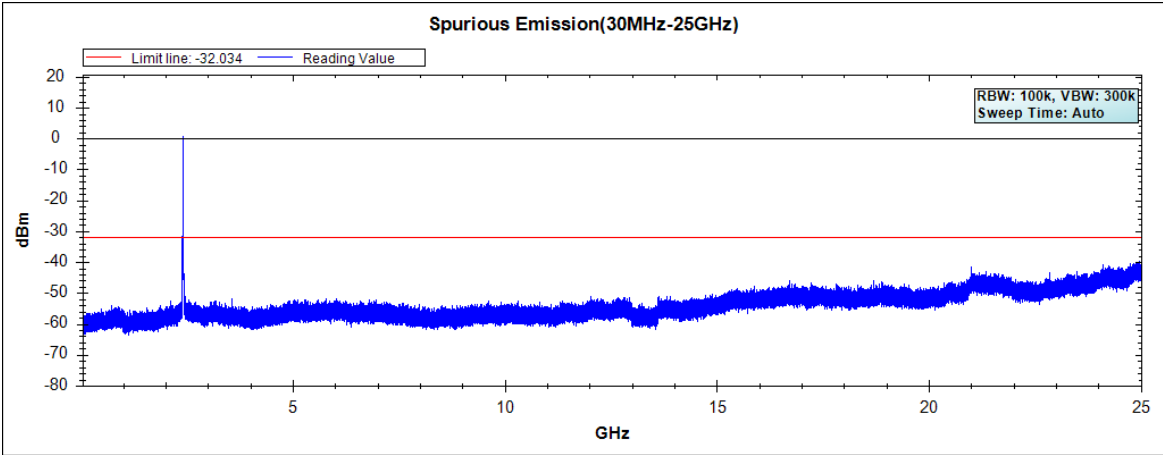
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.19)

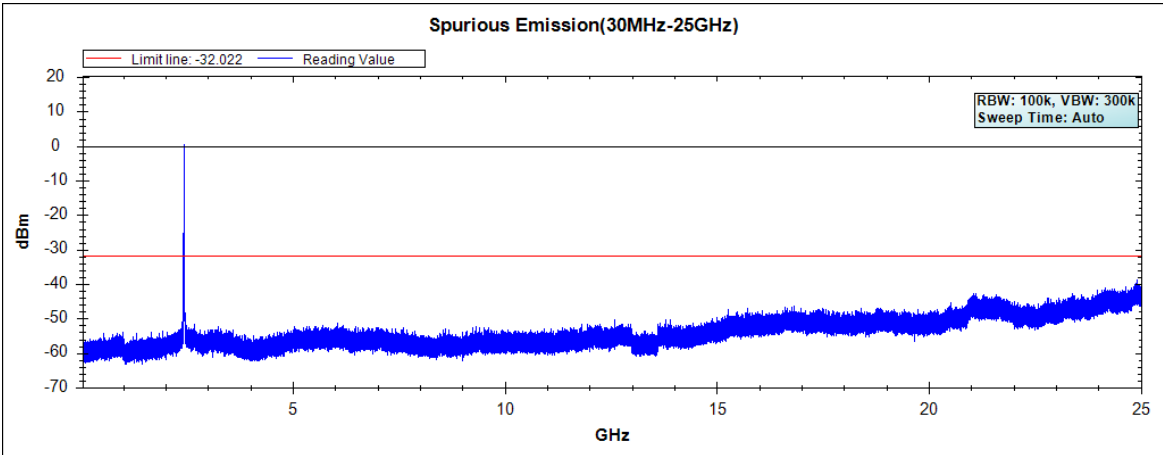
Channel 01 (2412MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 11 (2462MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

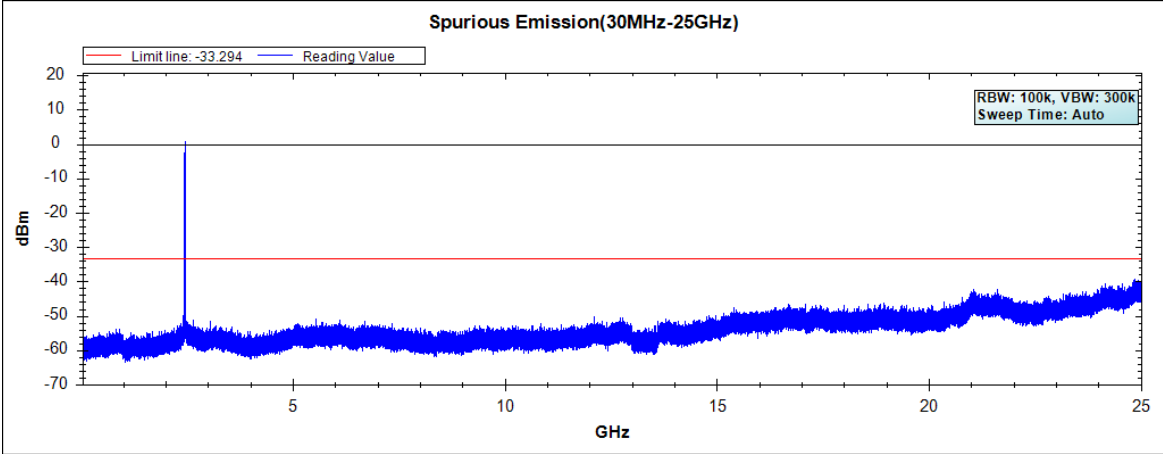
Channel 01 (2412MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

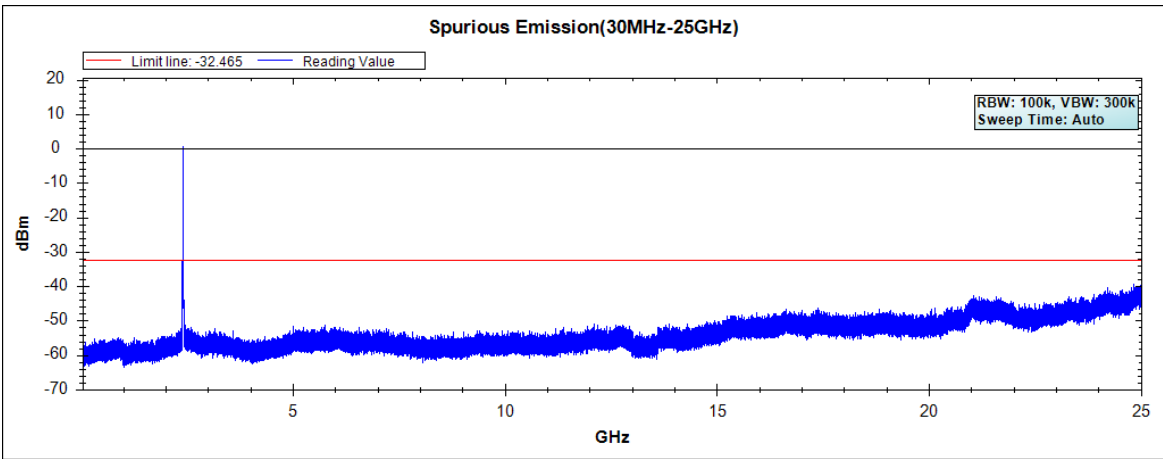


Channel 11 (2462MHz) 30MHz -25GHz-Chain B

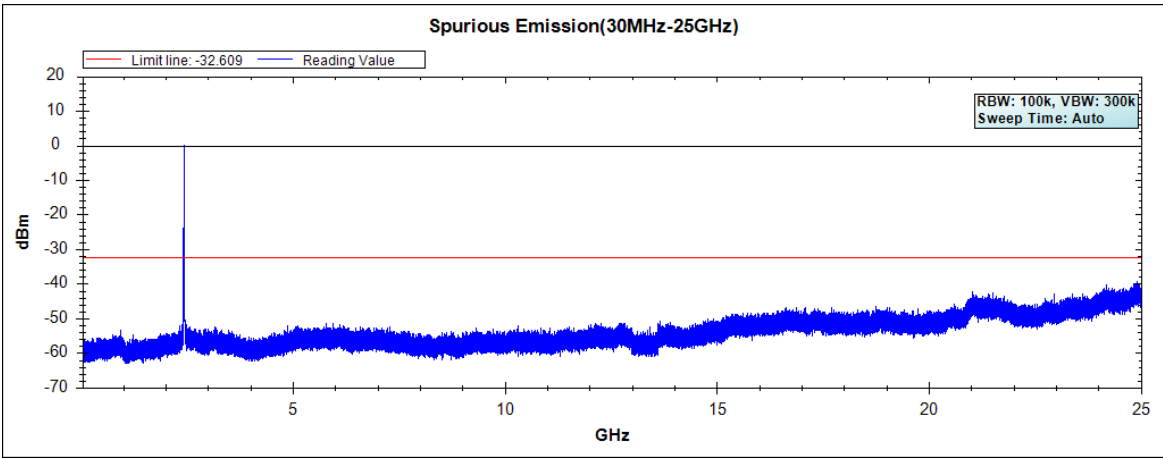


Note: The above test pattern is synthesized by multiple of the frequency range.

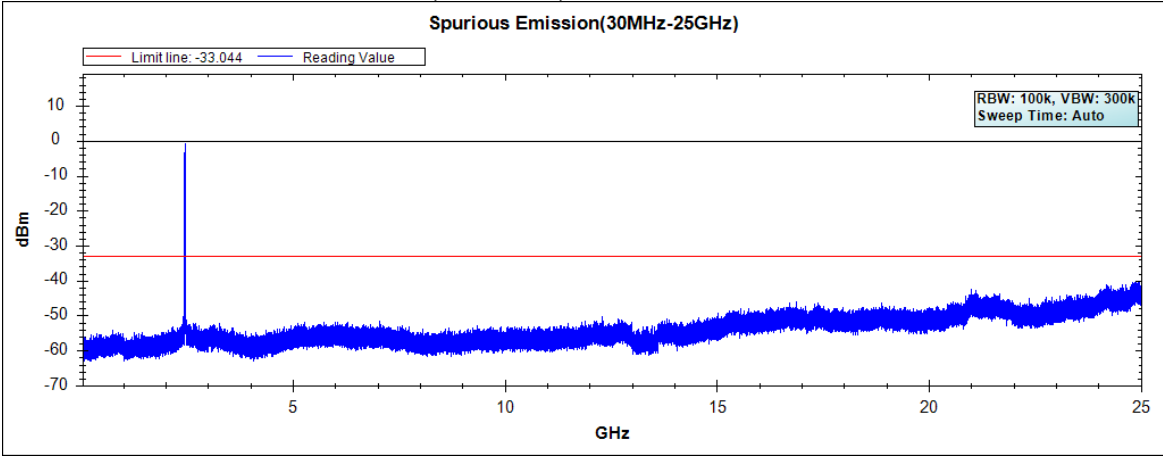
Channel 01 (2412MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

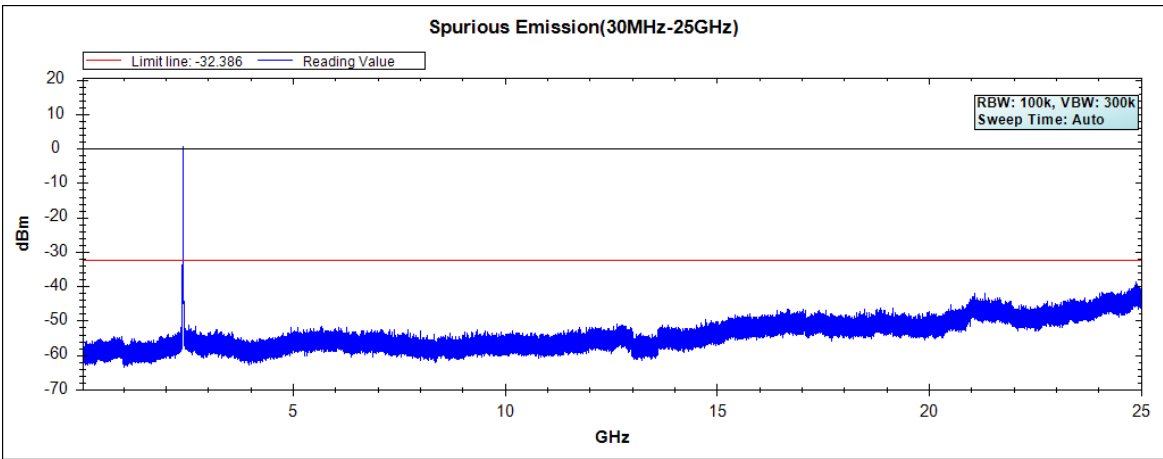


Channel 11 (2462MHz) 30MHz -25GHz-Chain C

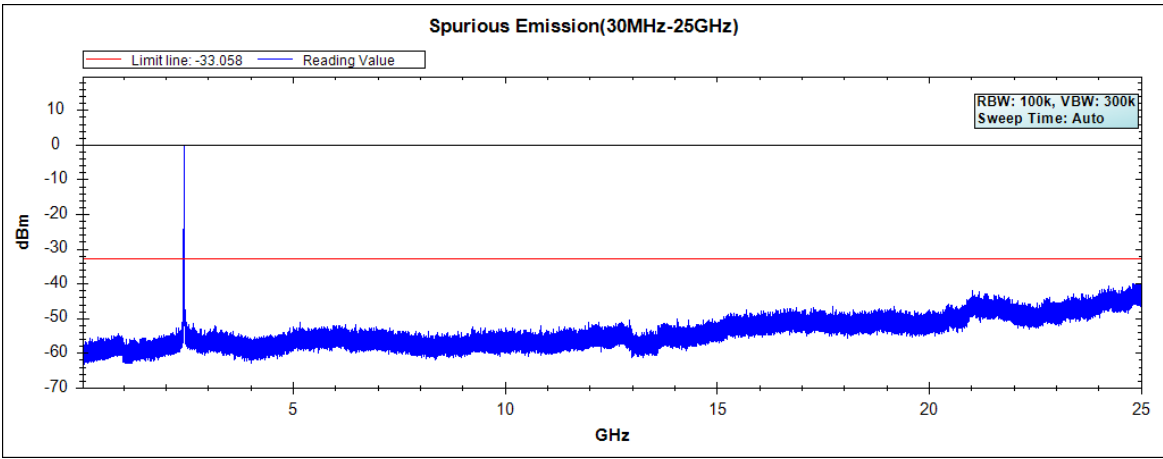


Note: The above test pattern is synthesized by multiple of the frequency range.

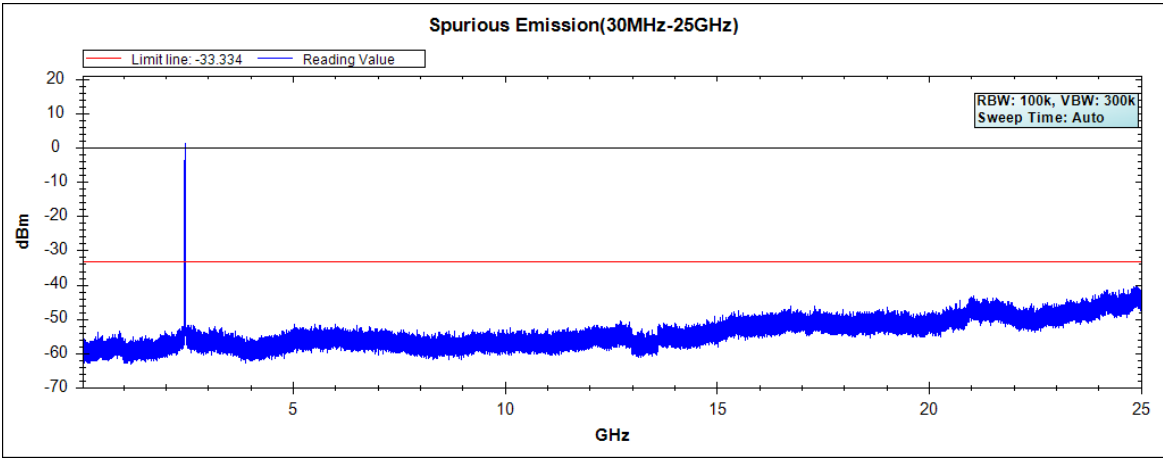
Channel 01 (2412MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D

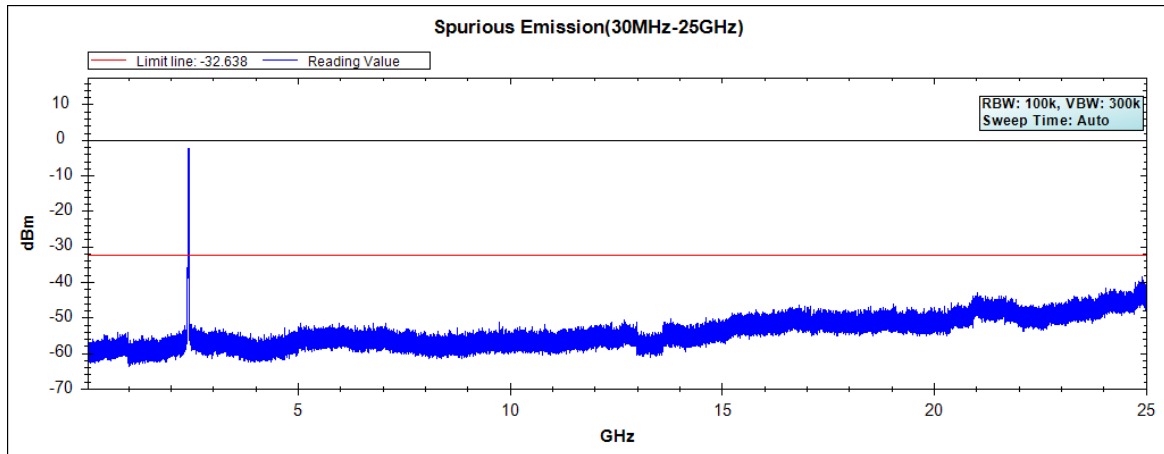
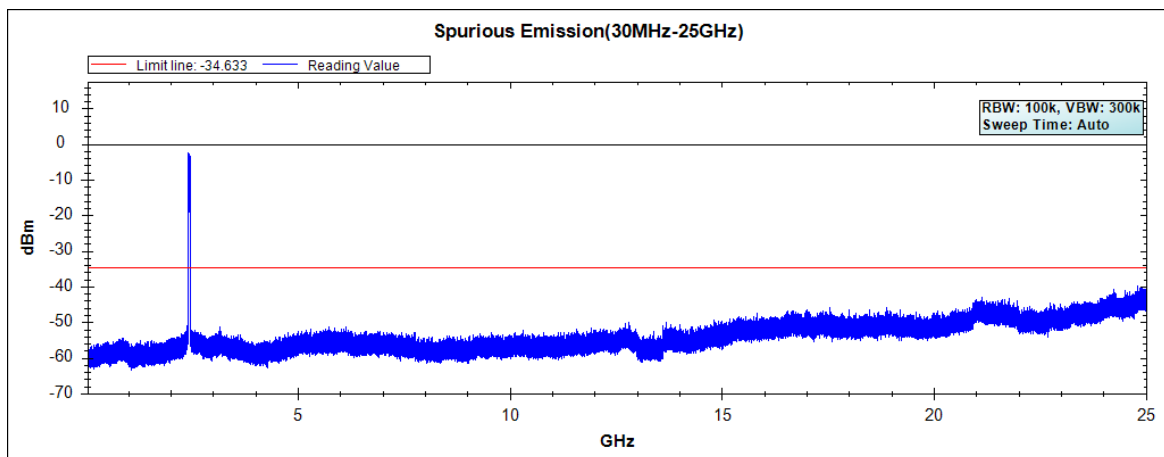
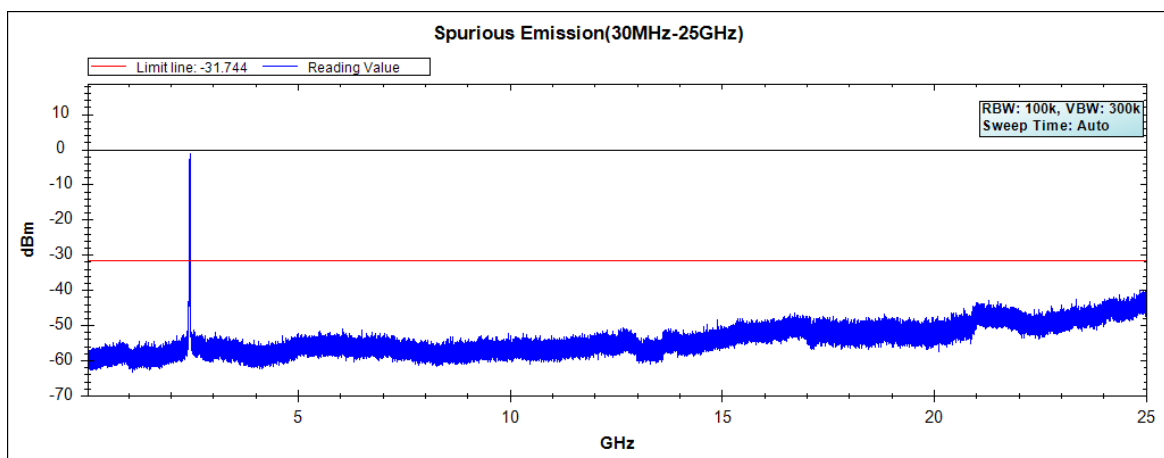


Channel 11 (2462MHz) 30MHz -25GHz-Chain D



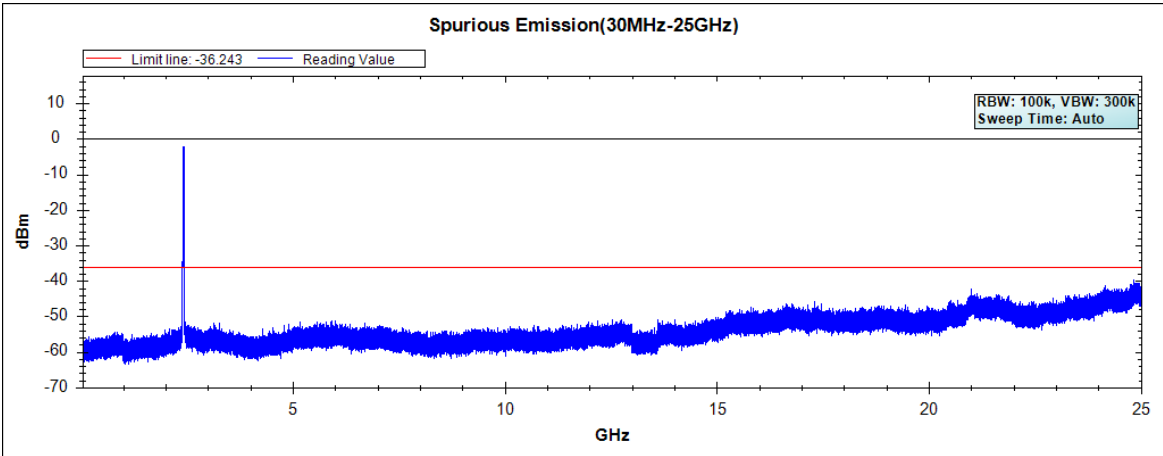
Note: The above test pattern is synthesized by multiple of the frequency range.

Product : MOXA IEEE 802.11b/g/n 4*4 module
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Date : 2018/05/24
Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.19)

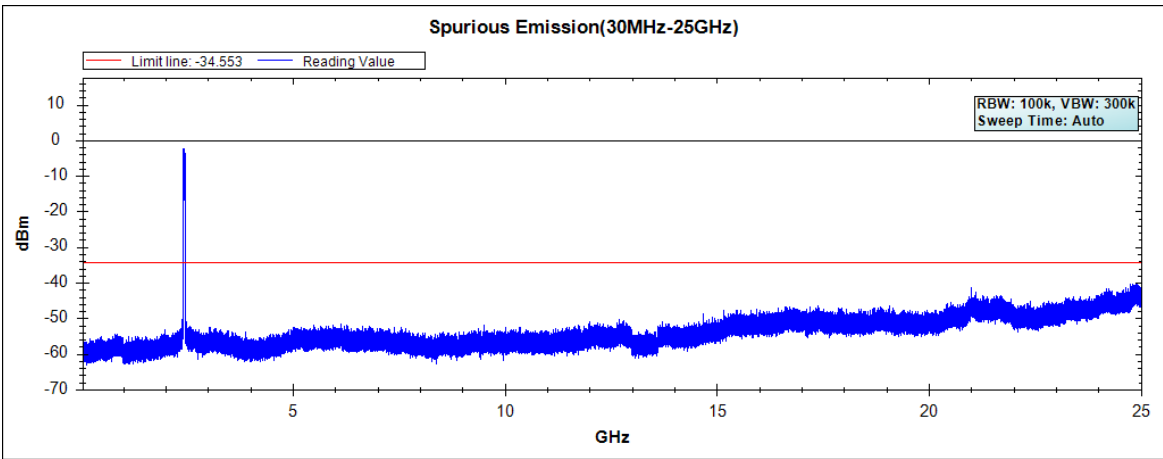
Channel 03 (2422MHz) 30MHz -25GHz-Chain A**Channel 06 (2437MHz) 30MHz -25GHz-Chain A****Channel 09 (2452MHz) 30MHz -25GHz-Chain A**

Note: The above test pattern is synthesized by multiple of the frequency range.

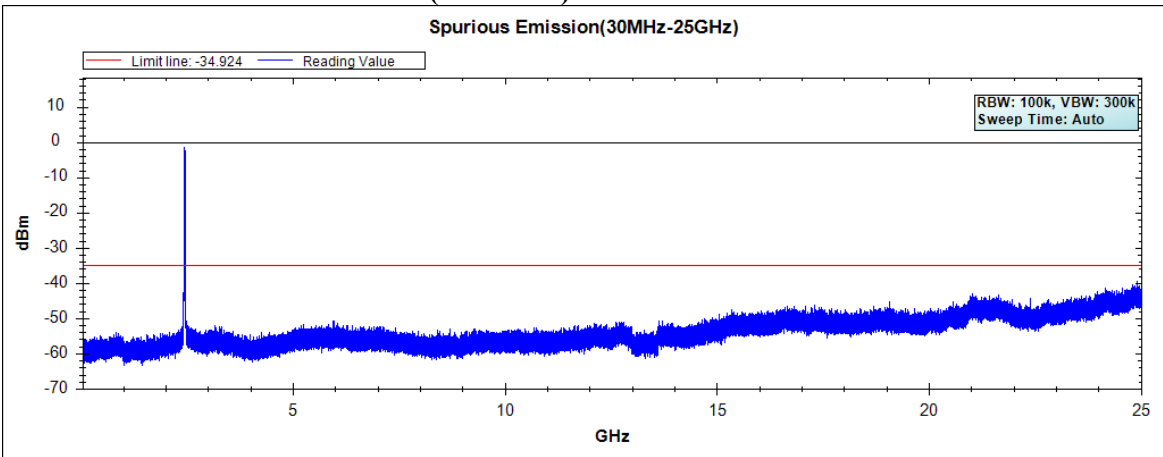
Channel 03 (2422MHz) 30MHz -25GHz-Chain B



Channel 06 (2437MHz) 30MHz -25GHz-Chain B

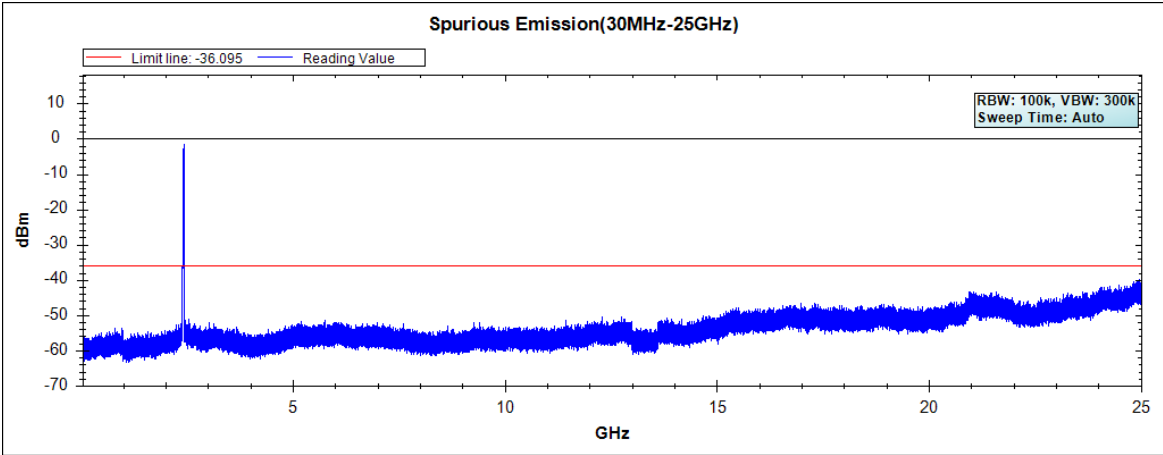


Channel 09 (2452MHz) 30MHz -25GHz-Chain B

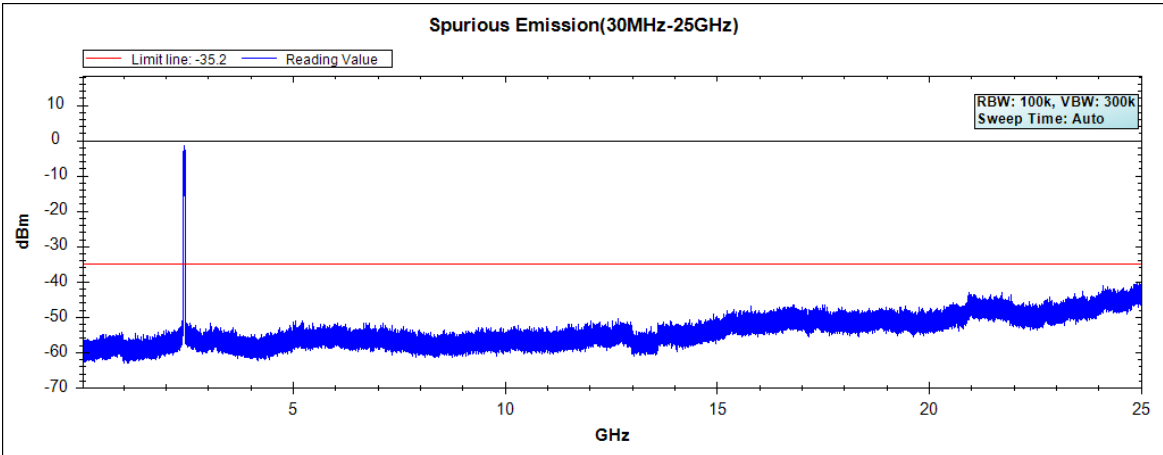


Note: The above test pattern is synthesized by multiple of the frequency range.

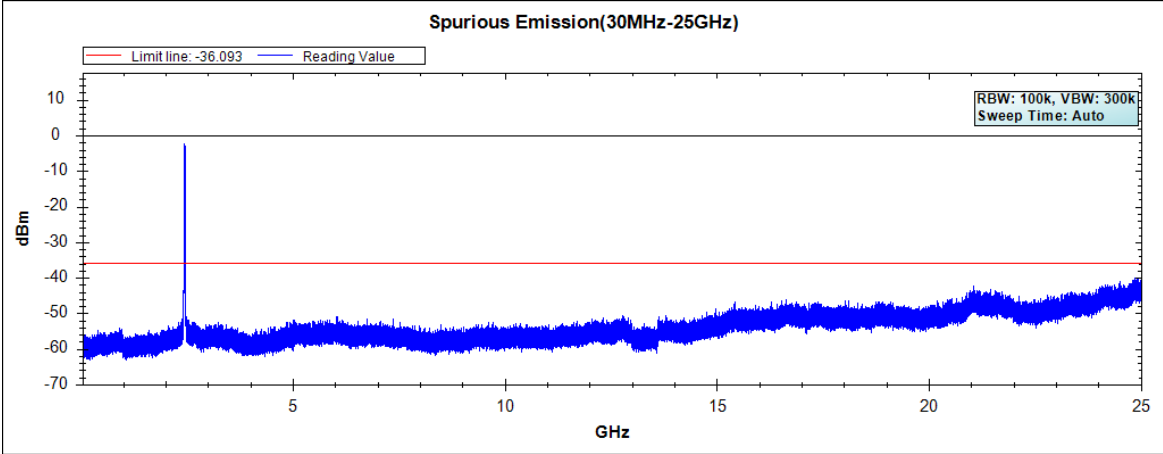
Channel 03 (2422MHz) 30MHz -25GHz-Chain C



Channel 06 (2437MHz) 30MHz -25GHz-Chain C

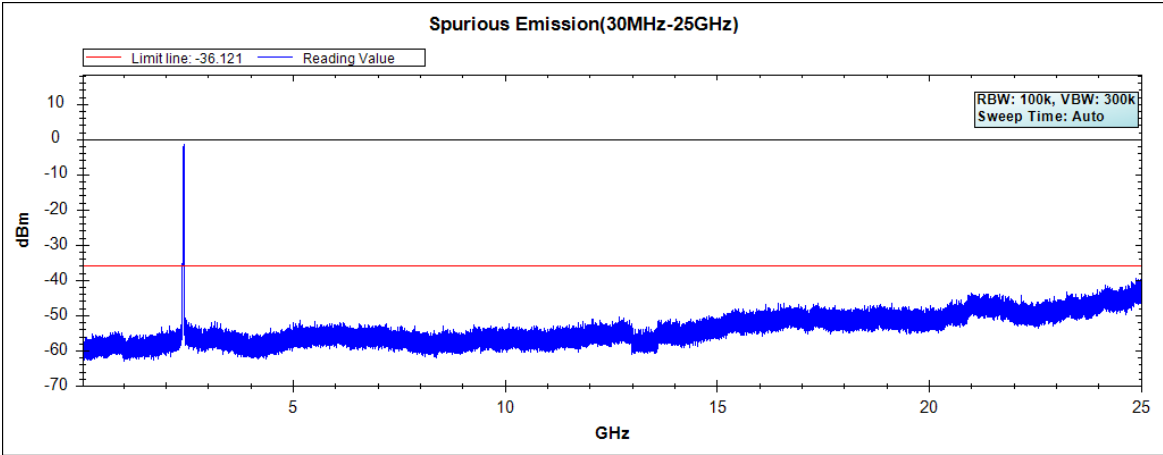


Channel 09 (2452MHz) 30MHz -25GHz-Chain C

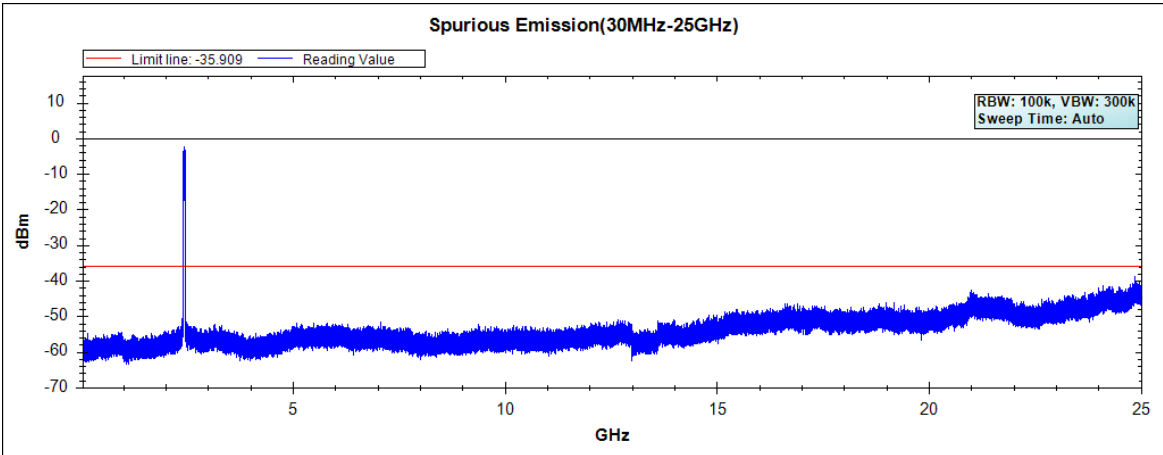


Note: The above test pattern is synthesized by multiple of the frequency range.

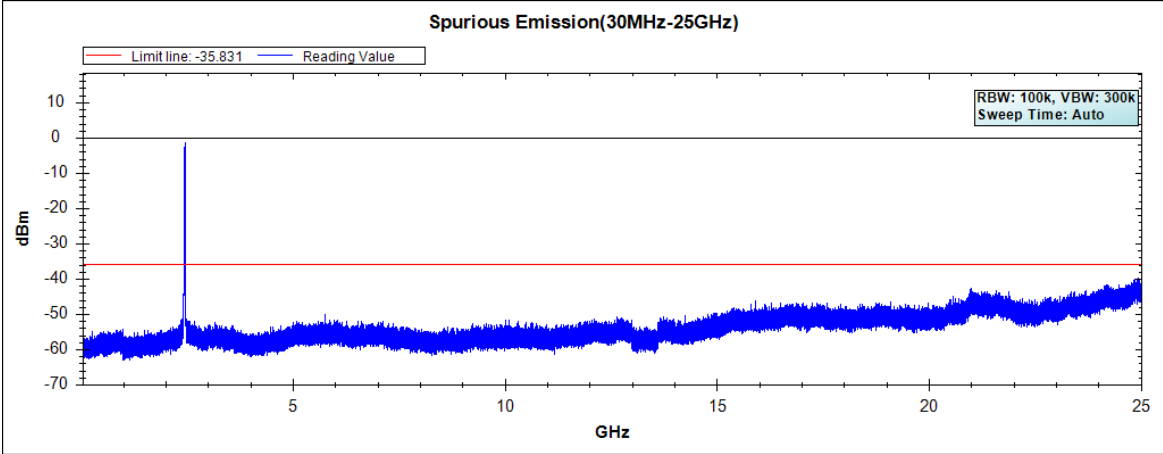
Channel 03 (2422MHz) 30MHz -25GHz-Chain D



Channel 06 (2437MHz) 30MHz -25GHz-Chain D



Channel 09 (2452MHz) 30MHz -25GHz-Chain D

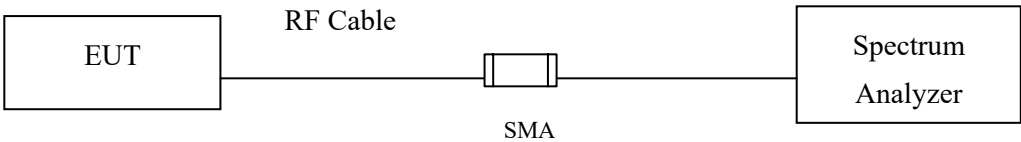


Note: The above test pattern is synthesized by multiple of the frequency range.

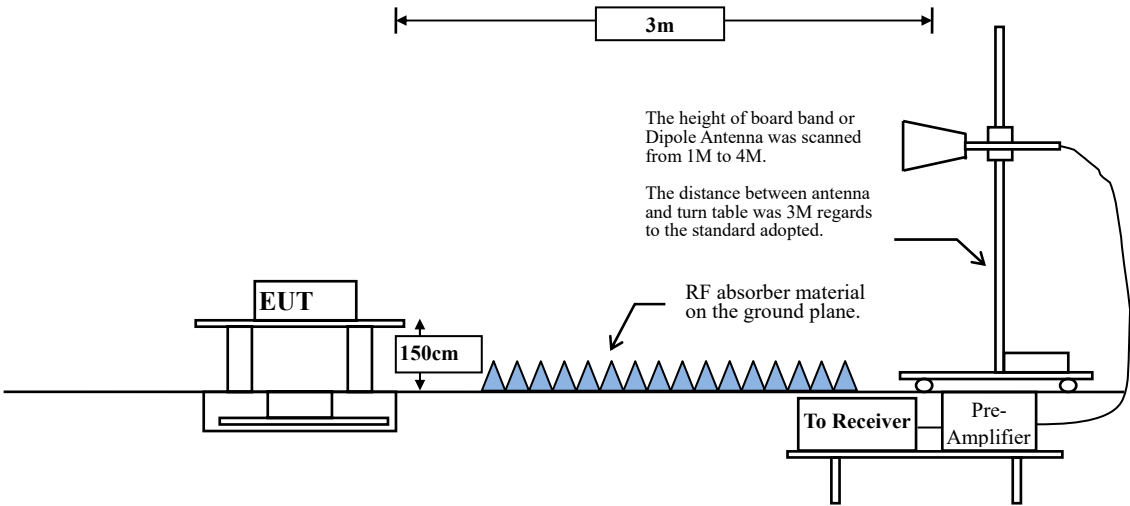
6. Band Edge

6.1. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



6.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

6.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

RBW and VBW Parameter setting:

According to KDB 558074 section 12.2.4. Peak power measurement procedure

RBW = as specified in Table 1.

$VBW \geq 3 \times RBW$.

Table 1 —RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

According to KDB 558074 section 12.2.5. Average power measurement procedure

RBW = 1MHz.

VBW = 10Hz, when duty cycle $\geq 98 \%$

$VBW \geq 1/T$, when duty cycle $< 98 \%$

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

2.4GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11 b	99.31	--	--	10
802.11 g	95.30	2.0580	486	500
802.11 n20	98.28	4.9855	201	500
802.11 n40	96.51	2.4058	416	500

Note: Duty Cycle Refer to Section 9

6.4. Uncertainty

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

6.5. Test Result of Band Edge

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2383.913	6.448	47.486	53.934	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	44.199	50.674	74.00	54.00	Pass
01 (Peak)	2399.275	6.524	51.713	58.237	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	51.128	57.656	74.00	54.00	Pass
01 (Peak)	2413.188	6.611	94.990	101.601	--	--	--
01 (Average)	2388.406	6.468	27.266	33.734	74.00	54.00	Pass
01 (Average)	2390.000	6.474	26.912	33.387	74.00	54.00	Pass
01 (Average)	2398.261	6.519	35.446	41.964	74.00	54.00	Pass
01 (Average)	2400.000	6.528	31.464	37.992	74.00	54.00	Pass
01 (Average)	2412.754	6.608	92.472	99.080	--	--	--

Figure Channel 01:

Horizontal (Peak)

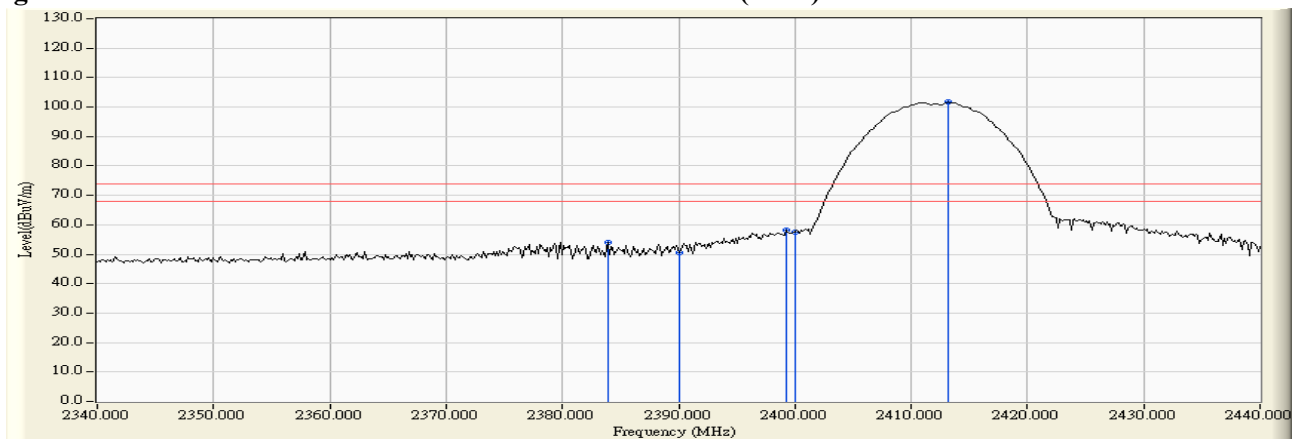
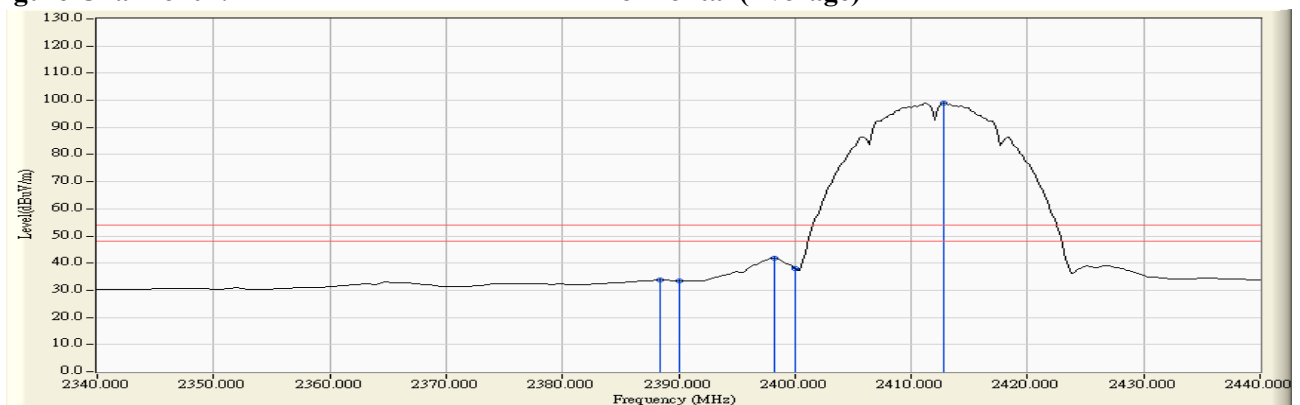


Figure Channel 01:

Horizontal (Average)

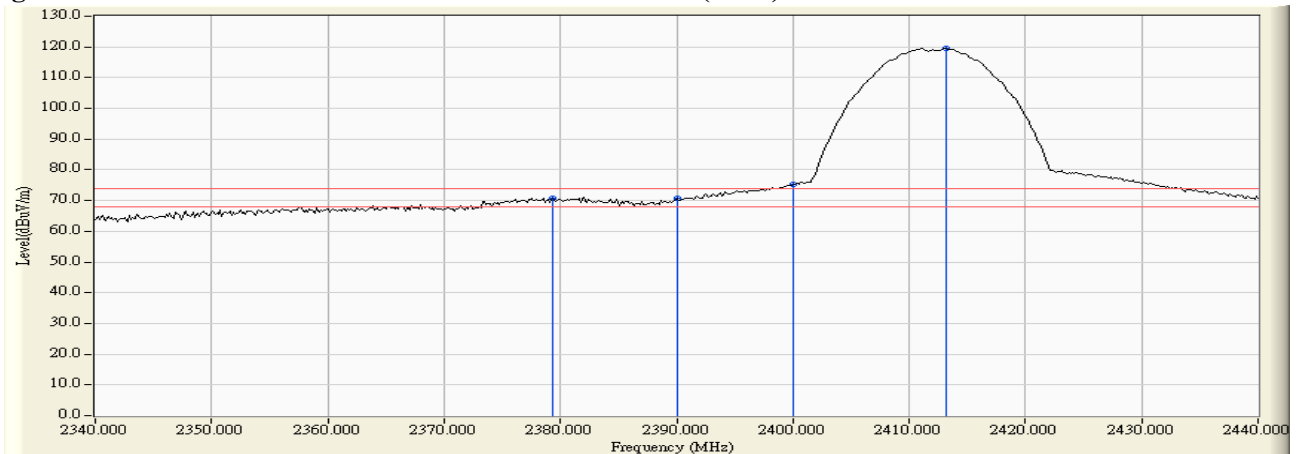
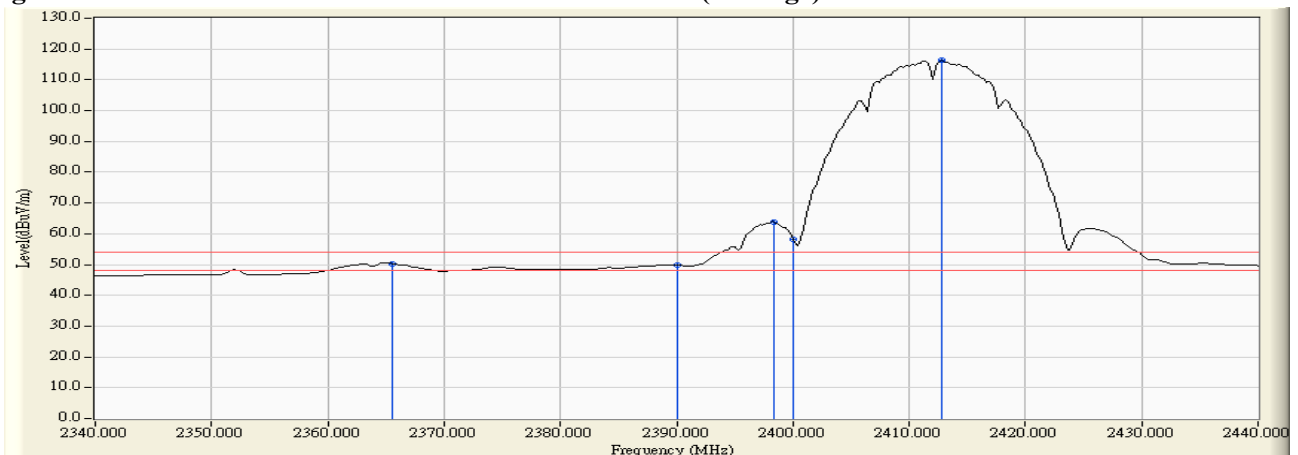


- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2379.275	5.925	64.882	70.807	74.00	54.00	Pass
01 (Peak)	2390.000	5.880	64.858	70.739	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	69.397	75.276	74.00	54.00	Pass
01 (Peak)	2413.188	5.921	113.574	119.495	--	--	--
01 (Average)	2365.507	5.981	44.319	50.300	74.00	54.00	Pass
01 (Average)	2390.000	5.880	43.836	49.717	74.00	54.00	Pass
01 (Average)	2398.406	5.876	57.991	63.866	--	--	--
01 (Average)	2400.000	5.879	52.410	58.289	74.00	54.00	Pass
01 (Average)	2412.754	5.919	110.383	116.301	--	--	--

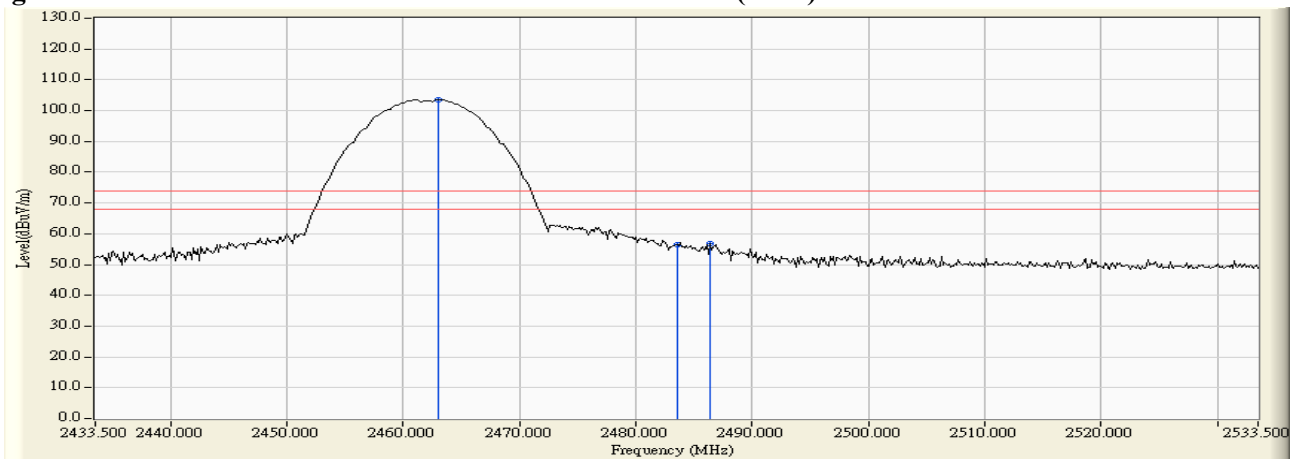
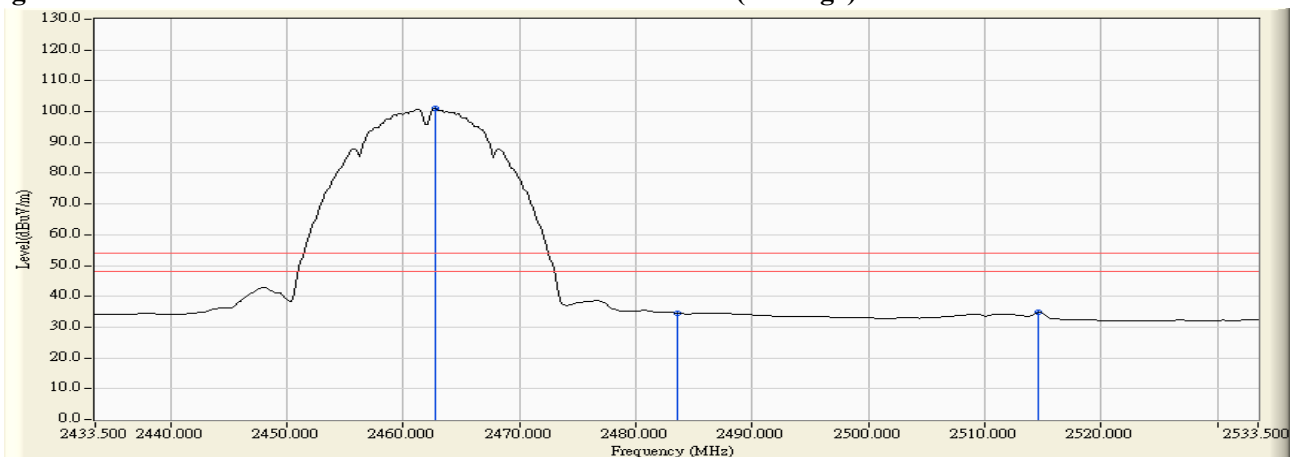
Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.065	6.966	96.712	103.678	--	--	--
11 (Peak)	2483.500	7.110	49.493	56.603	74.00	54.00	Pass
11 (Peak)	2486.399	7.131	49.657	56.788	74.00	54.00	Pass
11 (Average)	2462.775	6.964	94.055	101.019	--	--	--
11 (Average)	2483.500	7.110	27.470	34.580	74.00	54.00	Pass
11 (Average)	2514.659	7.152	27.568	34.720	74.00	54.00	Pass

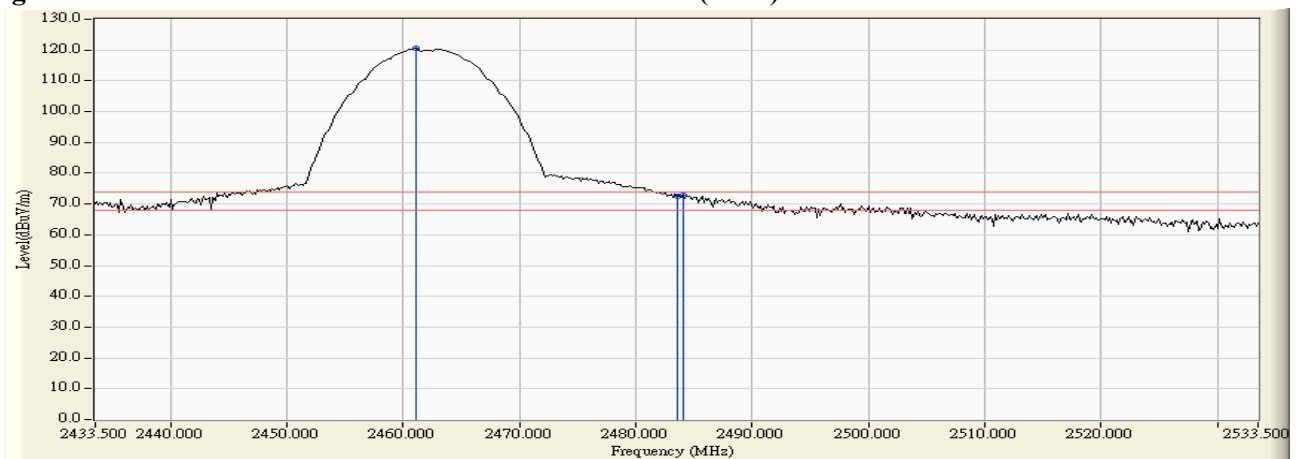
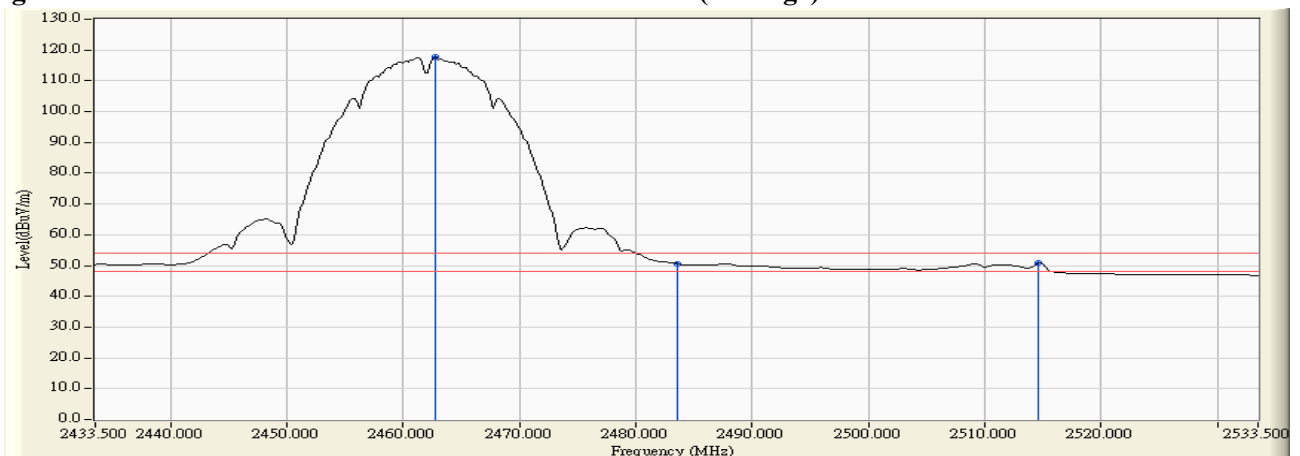
Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2461.036	6.223	114.227	120.450	--	--	--
11 (Peak)	2483.500	6.363	66.167	72.530	74.00	54.00	Pass
11 (Peak)	2484.080	6.367	66.353	72.720	74.00	54.00	Pass
11 (Average)	2462.775	6.234	111.398	117.632	--	--	--
11 (Average)	2483.500	6.363	44.209	50.572	74.00	54.00	Pass
11 (Average)	2514.659	6.467	44.271	50.738	74.00	54.00	Pass

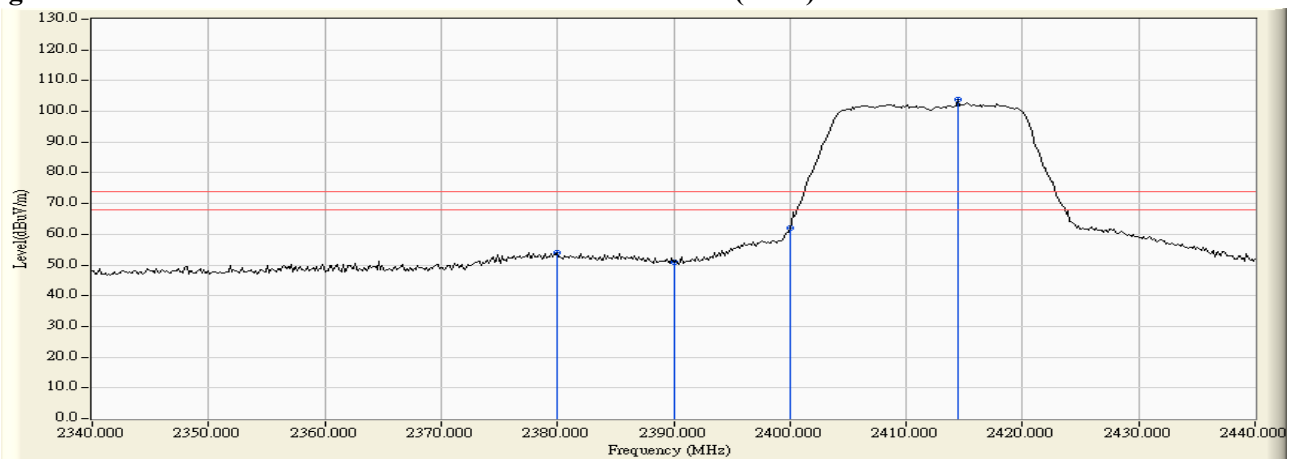
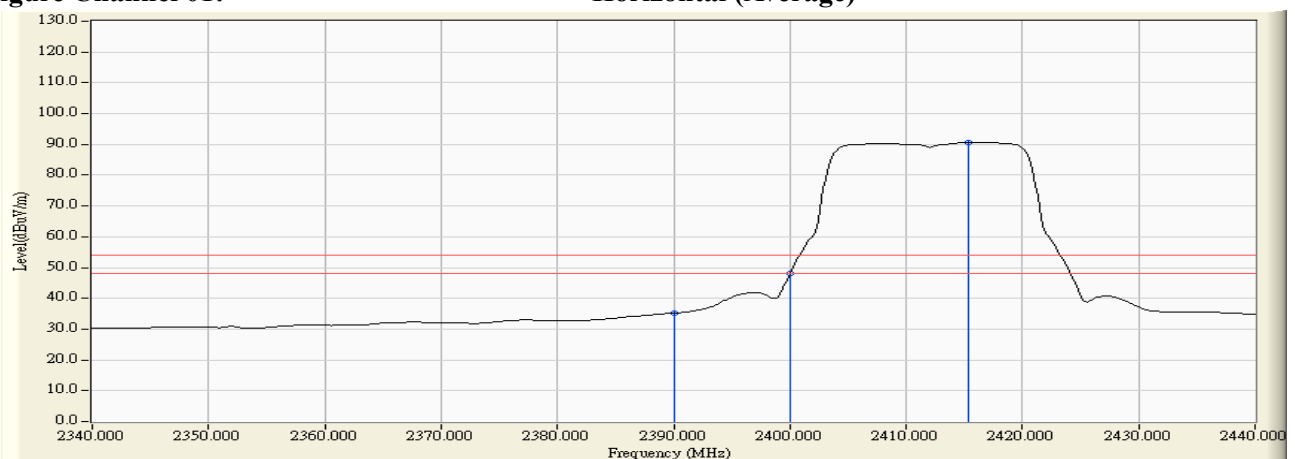
Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2380.000	6.431	47.630	54.061	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	44.581	51.056	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	55.558	62.086	74.00	54.00	Pass
01 (Peak)	2414.493	6.621	97.394	104.014	--	--	--
01(Average)	2390.000	6.474	28.726	35.201	74.00	54.00	Pass
01(Average)	2400.000	6.528	41.532	48.060	74.00	54.00	Pass
01(Average)	2415.362	6.626	84.011	90.638	--	--	--

Figure Channel 01:**Horizontal (Peak)****Figure Channel 01:****Horizontal (Average)**

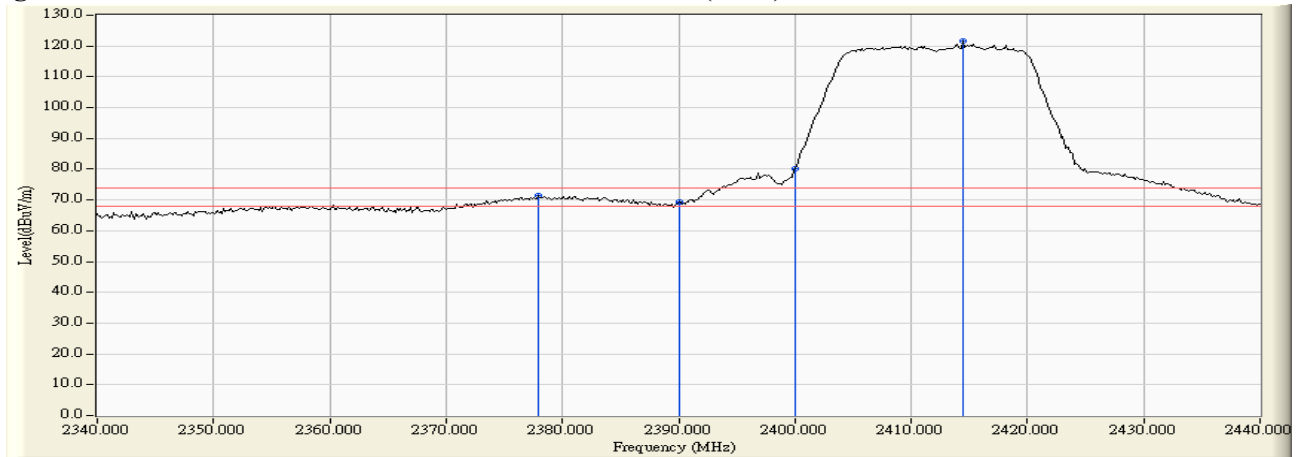
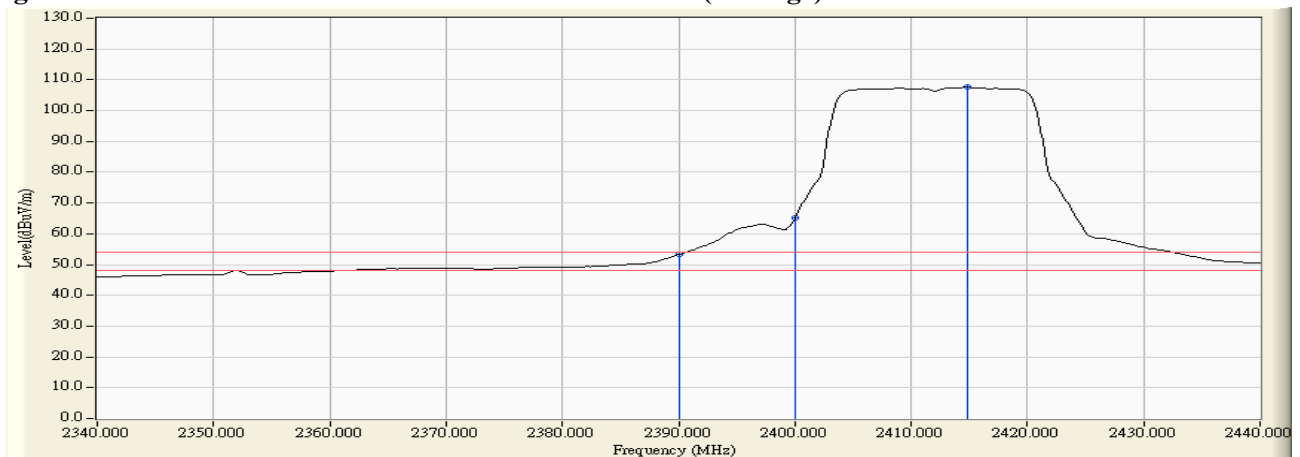
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2377.971	5.931	65.563	71.493	74.00	54.00	Pass
01 (Peak)	2390.000	5.880	63.385	69.266	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	74.275	80.154	--	--	--
01 (Peak)	2414.493	5.930	115.606	121.535	--	--	--
01 (Average)	2390.000	5.880	47.385	53.266	74.00	54.00	Pass
01 (Average)	2400.000	5.879	59.364	65.243	--	--	--
01 (Average)	2414.783	5.931	101.643	107.574	--	--	--

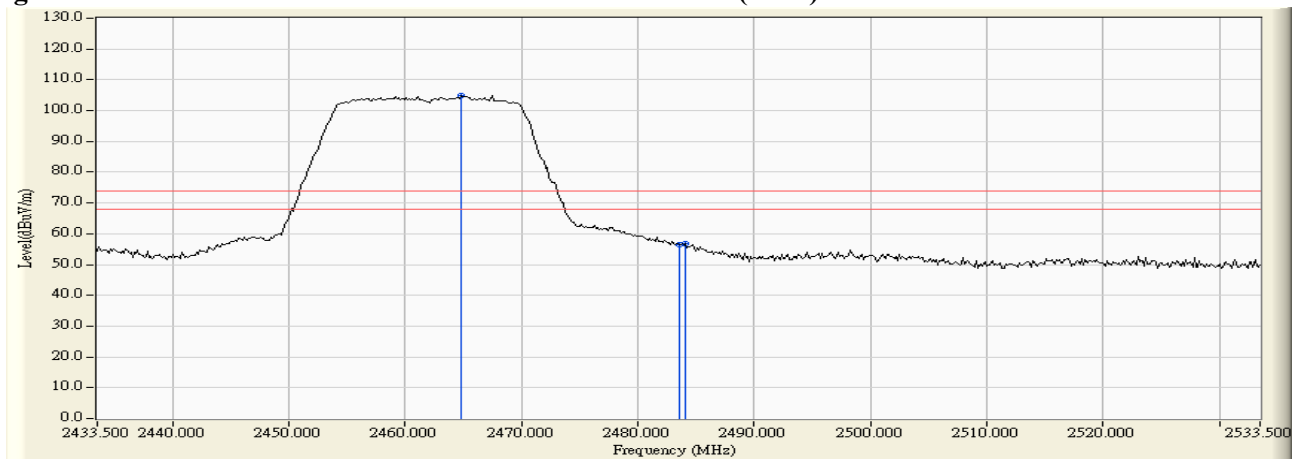
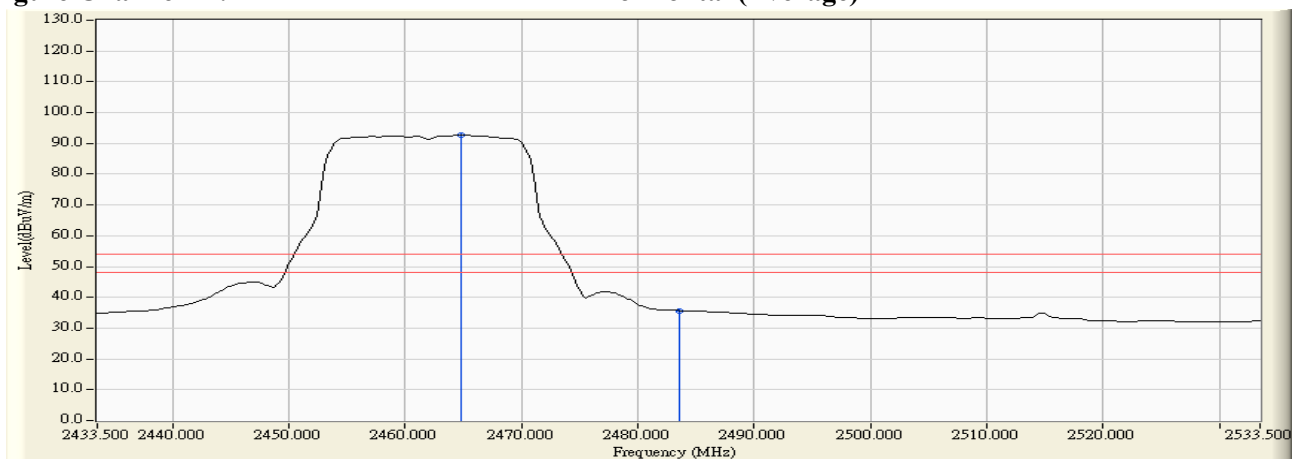
Figure Channel 01:**Vertical (Peak)****Figure Channel 01:****Vertical (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2464.804	6.978	97.987	104.965	--	--	--
11 (Peak)	2483.500	7.110	49.429	56.539	74.00	54.00	Pass
11 (Peak)	2484.080	7.114	49.818	56.932	74.00	54.00	Pass
11 (Average)	2464.804	6.978	85.750	92.728	--	--	--
11 (Average)	2483.500	7.110	28.574	35.684	74.00	54.00	Pass

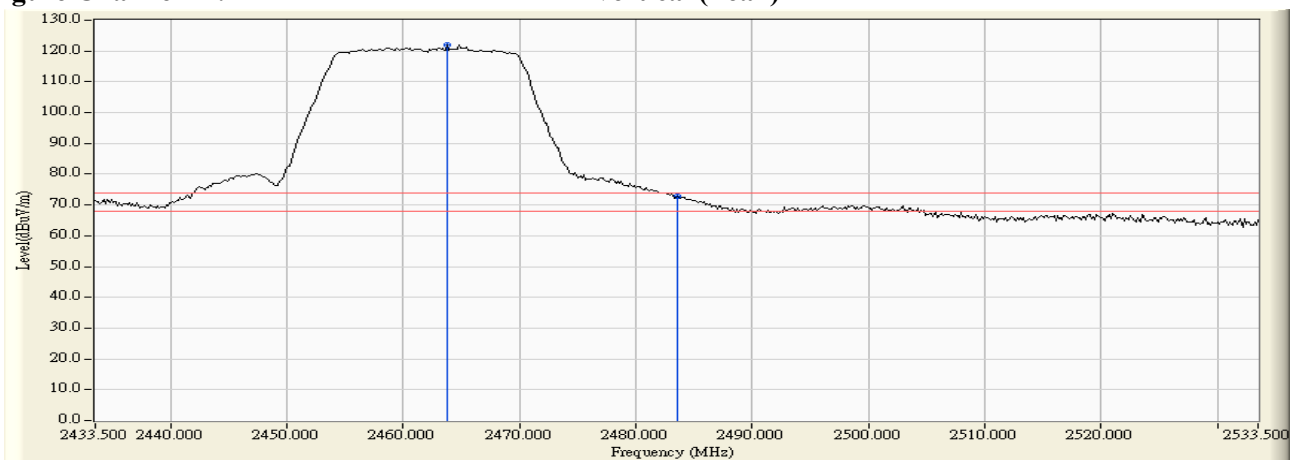
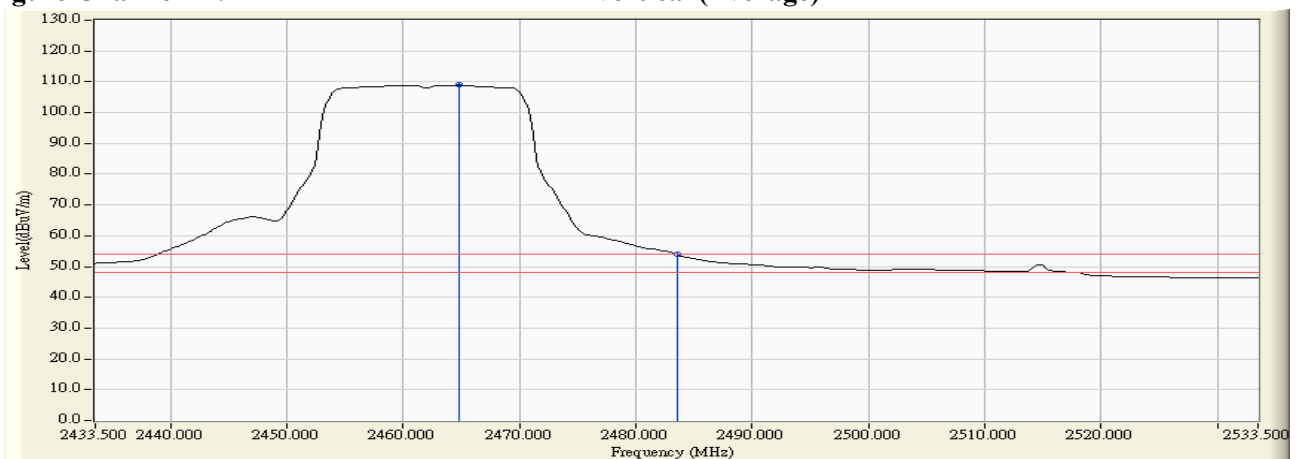
Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.790	6.240	115.744	121.984	--	--	--
11 (Peak)	2483.500	6.363	66.514	72.877	74.00	54.00	Pass
11 (Average)	2464.804	6.247	102.671	108.918	--	--	--
11 (Average)	2483.500	6.363	47.550	53.913	74.00	54.00	Pass

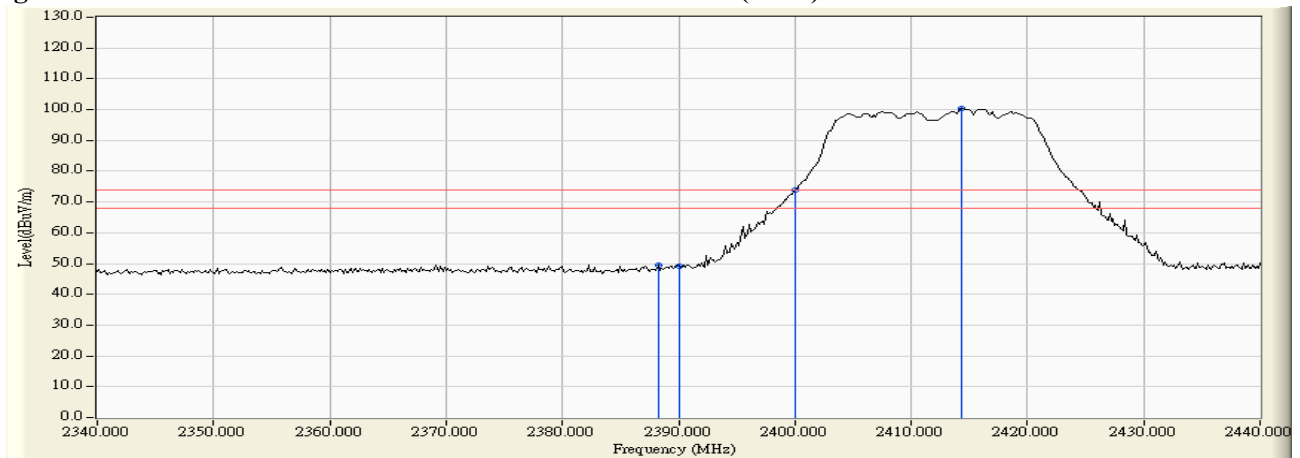
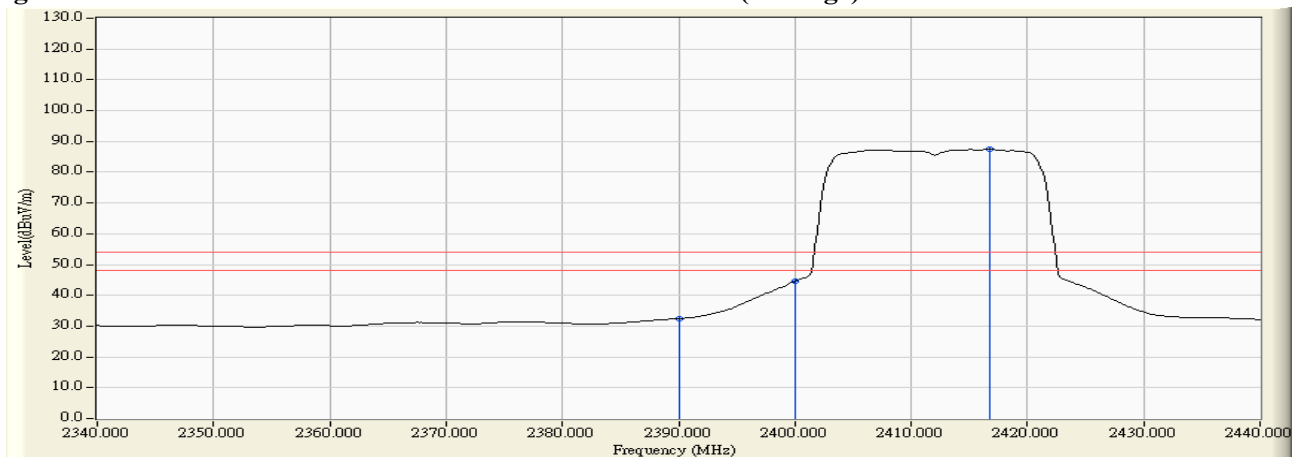
Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2388.261	6.467	43.070	49.537	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	42.770	49.245	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	67.359	73.887	74.00	54.00	Pass
01 (Peak)	2414.348	6.620	93.866	100.485	--	--	--
01 (Average)	2390.000	6.474	25.968	32.443	74.00	54.00	Pass
01 (Average)	2400.000	6.528	38.061	44.589	74.00	54.00	Pass
01 (Average)	2416.812	6.637	80.846	87.483	--	--	--

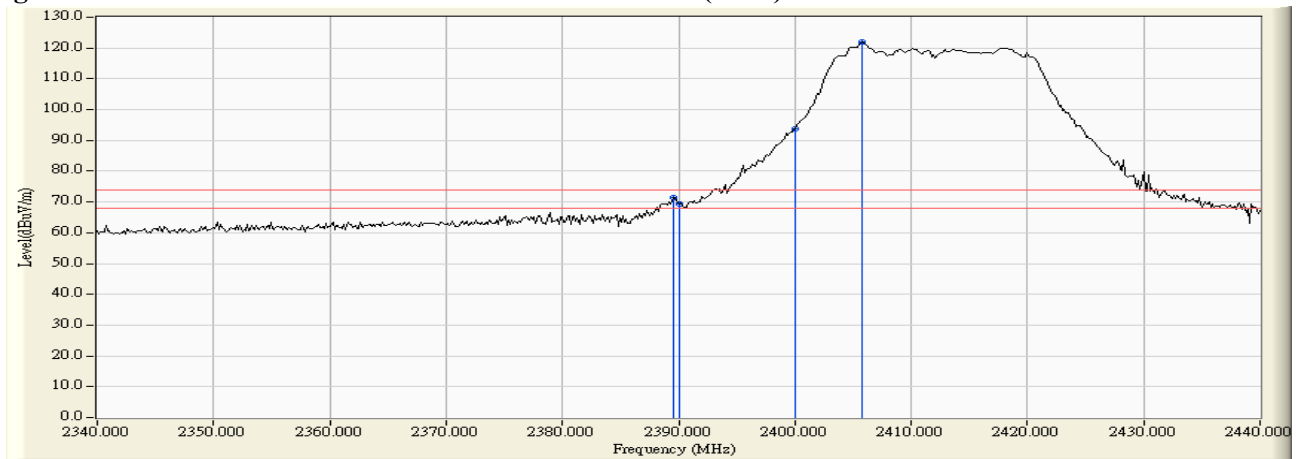
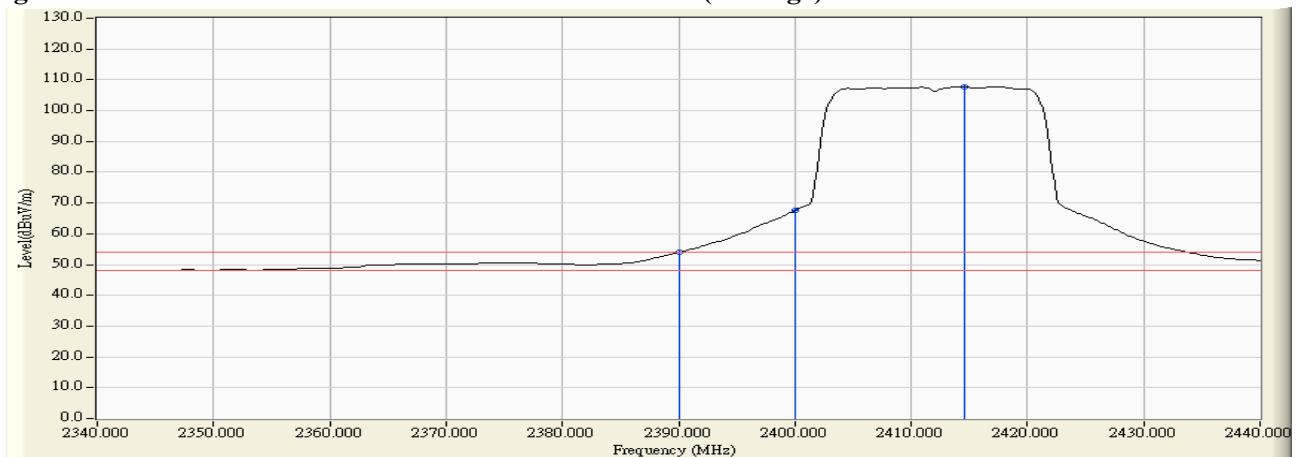
Figure Channel 01:
Horizontal (Peak)

Figure Channel 01:
Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2389.565	5.882	65.617	71.499	74.00	54.00	Pass
01 (Peak)	2390.000	5.880	63.625	69.506	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	87.864	93.743	--	--	--
01 (Peak)	2405.797	5.894	116.042	121.936	--	--	--
01 (Average)	2390.000	5.880	48.074	53.955	74.00	54.00	Pass
01 (Average)	2400.000	5.879	61.791	67.670	--	--	--
01 (Average)	2414.638	5.931	101.713	107.643	--	--	--

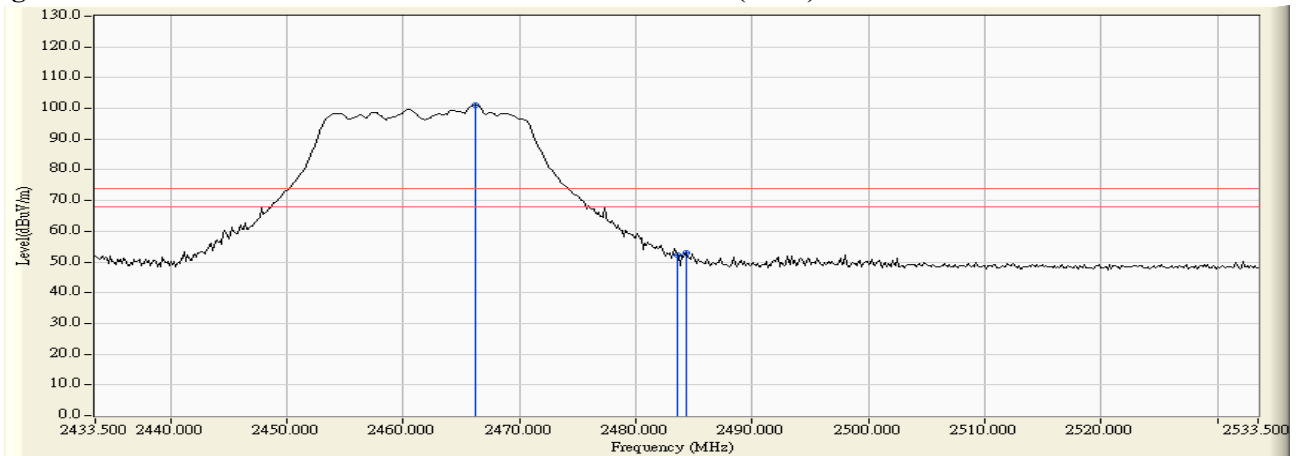
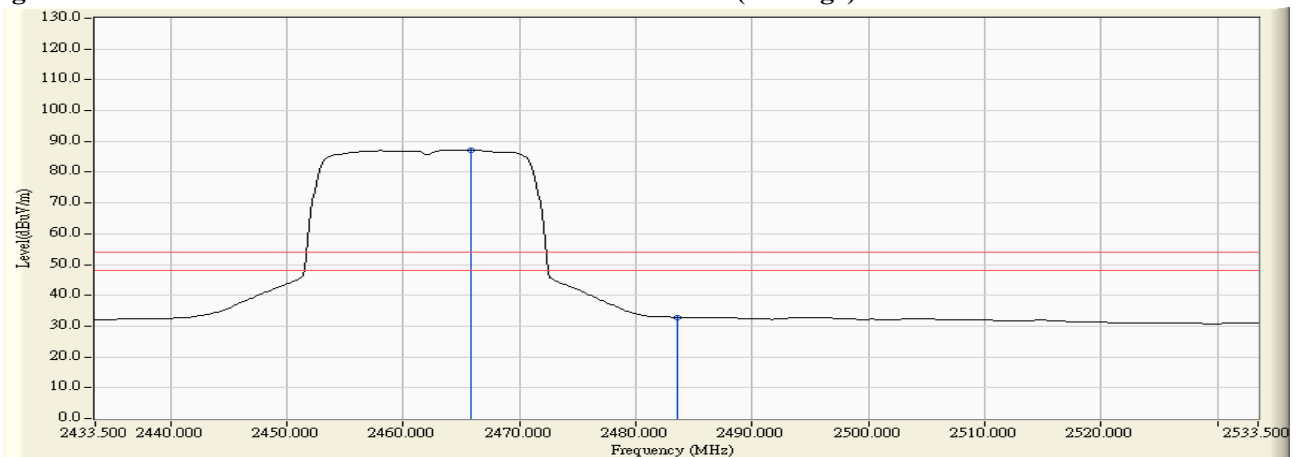
Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2466.254	6.989	94.185	101.173	--	--	--
11 (Peak)	2483.500	7.110	45.268	52.378	74.00	54.00	Pass
11 (Peak)	2484.370	7.116	45.853	52.969	74.00	54.00	Pass
11 (Average)	2465.819	6.985	80.264	87.249	--	--	--
11 (Average)	2483.500	7.110	25.742	32.852	74.00	54.00	Pass

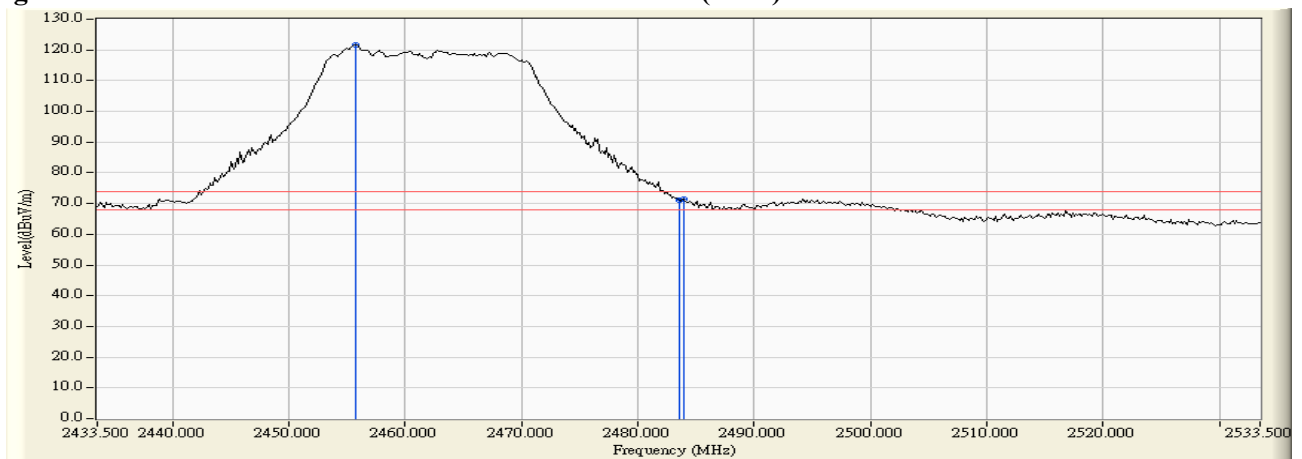
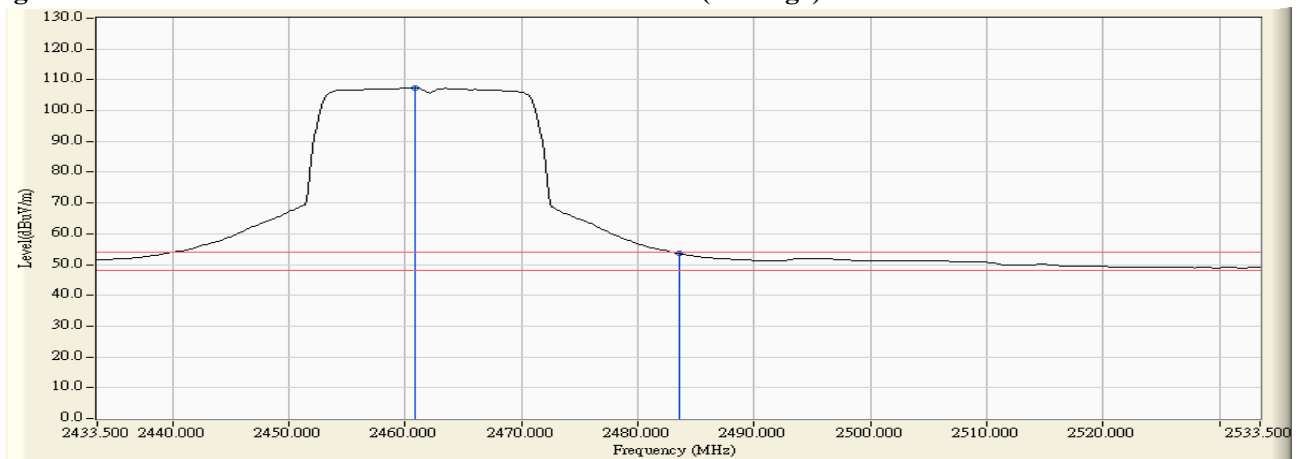
Figure Channel 11: Horizontal (Peak)**Figure Channel 11: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2455.674	6.189	115.356	121.545	--	--	--
11 (Peak)	2483.500	6.363	64.793	71.156	74.00	54.00	Pass
11 (Peak)	2483.935	6.366	65.252	71.618	74.00	54.00	Pass
11 (Average)	2460.891	6.223	101.121	107.343	--	--	--
11 (Average)	2483.500	6.363	47.172	53.535	74.00	54.00	Pass

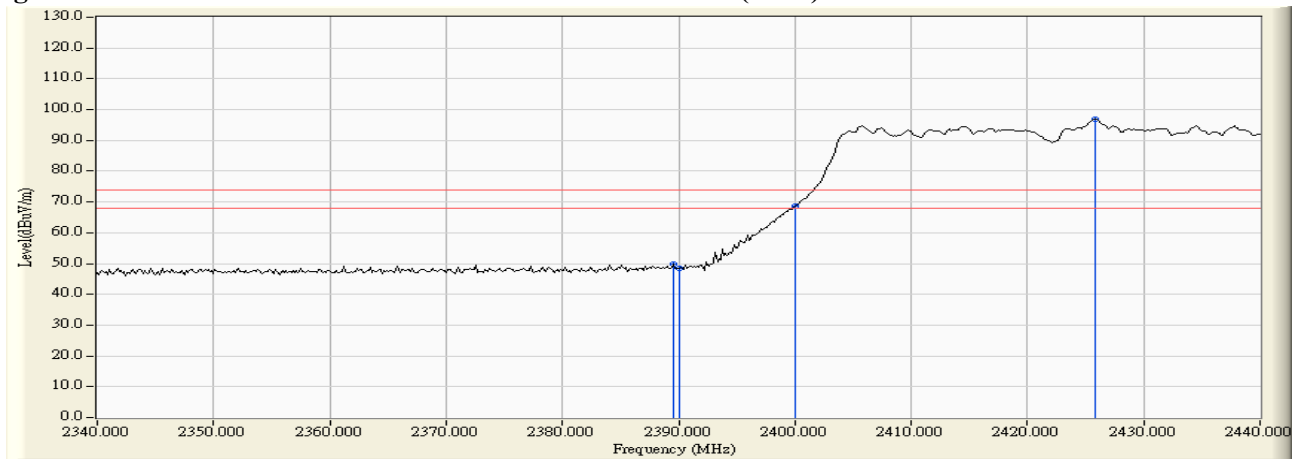
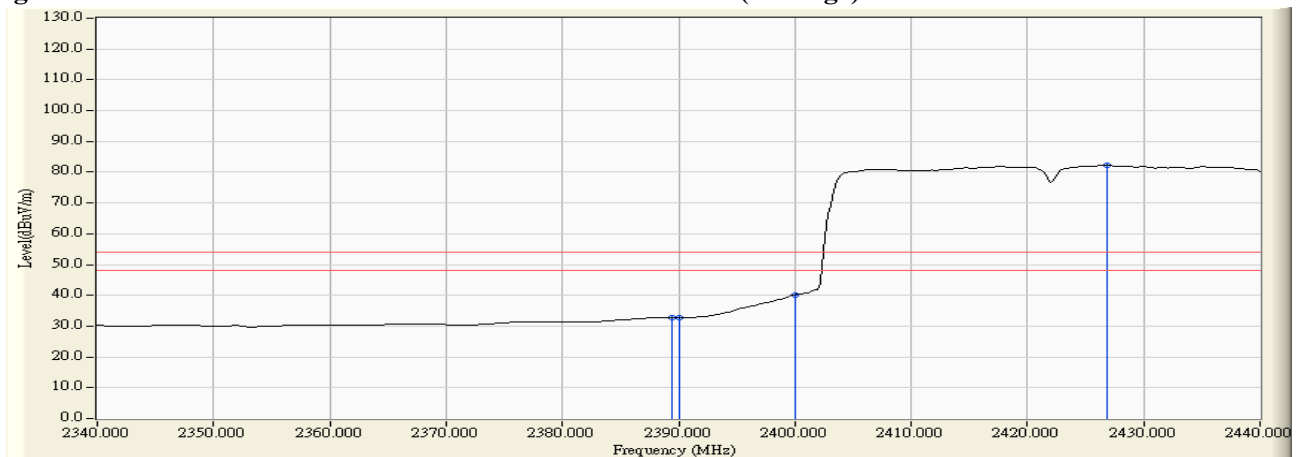
Figure Channel 11: Vertical (Peak)**Figure Channel 11: Vertical (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
03 (Peak)	2389.565	6.473	43.234	49.707	74.00	54.00	Pass
03 (Peak)	2390.000	6.474	42.070	48.545	74.00	54.00	Pass
03 (Peak)	2400.000	6.528	62.141	68.669	74.00	54.00	Pass
03 (Peak)	2425.797	6.702	90.293	96.994	--	--	--
03 (Average)	2389.420	6.472	26.323	32.795	74.00	54.00	Pass
03 (Average)	2390.000	6.474	26.203	32.678	74.00	54.00	Pass
03 (Average)	2400.000	6.528	33.695	40.223	74.00	54.00	Pass
03 (Average)	2426.812	6.708	75.641	82.349	--	--	--

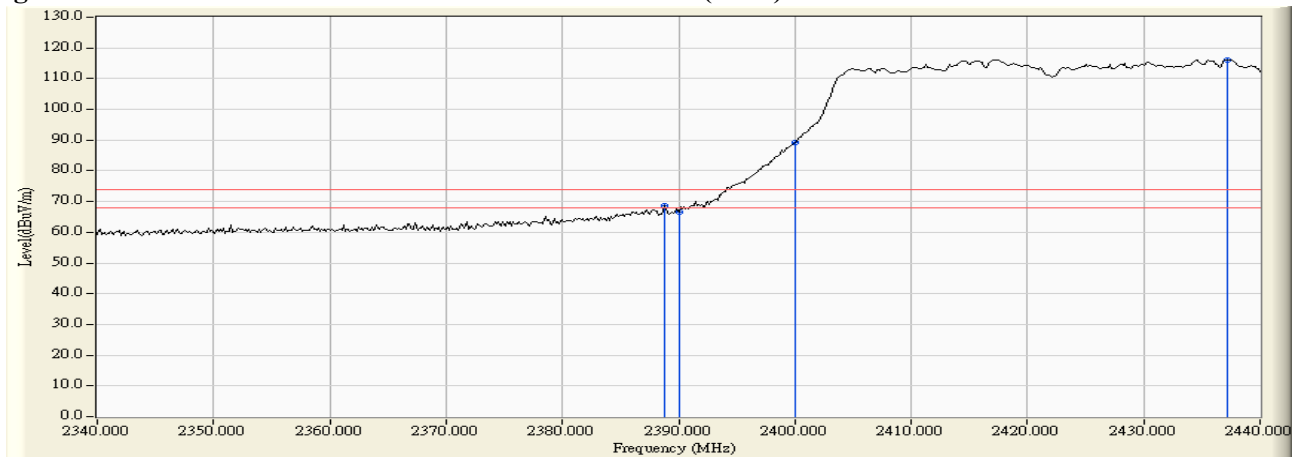
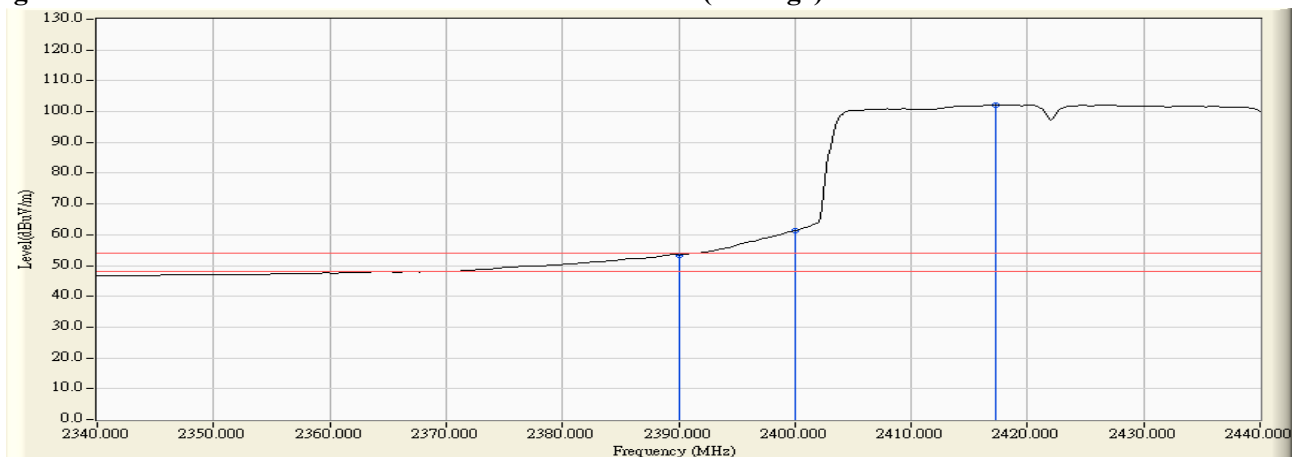
Figure Channel 01: Horizontal (Peak)

Figure Channel 01: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
03 (Peak)	2388.841	5.886	62.830	68.716	74.00	54.00	Pass
03 (Peak)	2390.000	5.880	60.805	66.686	74.00	54.00	Pass
03 (Peak)	2400.000	5.879	83.445	89.324	--	--	--
03 (Peak)	2437.246	6.072	110.148	116.220	--	--	--
03 (Average)	2390.000	5.880	47.614	53.495	74.00	54.00	Pass
03 (Average)	2400.000	5.879	55.456	61.335	--	--	--
03 (Average)	2417.246	5.946	96.279	102.226	--	--	--

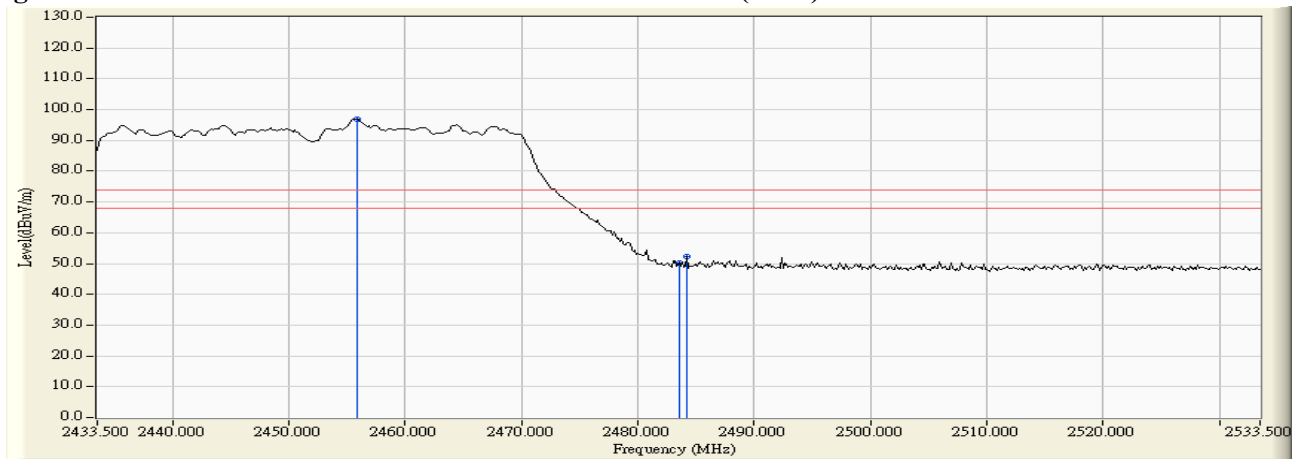
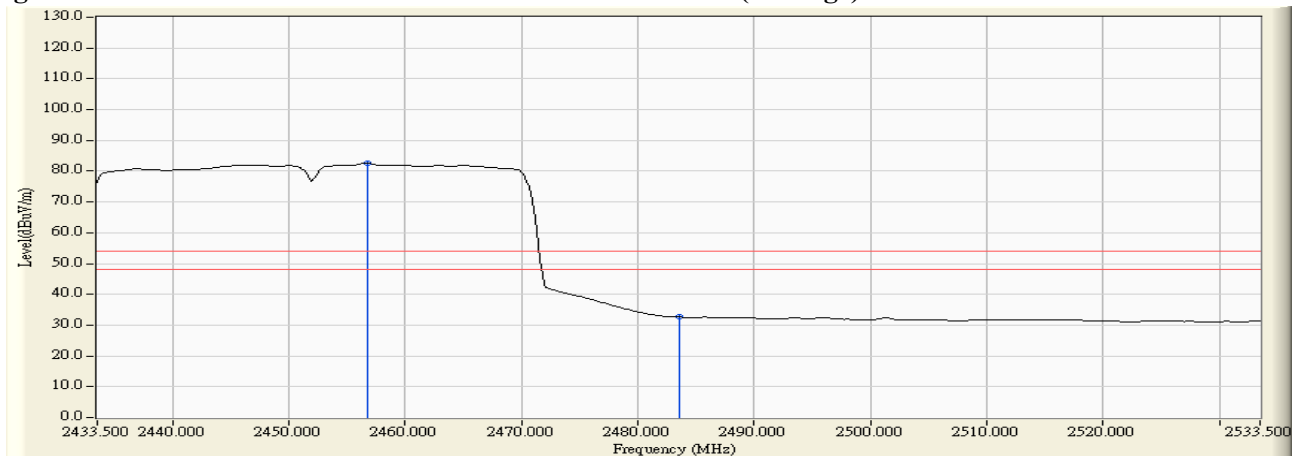
Figure Channel 01:
Vertical (Peak)

Figure Channel 01:
Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
09 (Peak)	2455.819	6.915	90.144	97.059	--	--	--
09 (Peak)	2483.500	7.110	43.037	50.147	74.00	54.00	Pass
09 (Peak)	2484.225	7.115	45.153	52.268	74.00	54.00	Pass
09 (Average)	2456.688	6.920	75.591	82.512	--	--	--
09 (Average)	2483.500	7.110	25.530	32.640	74.00	54.00	Pass

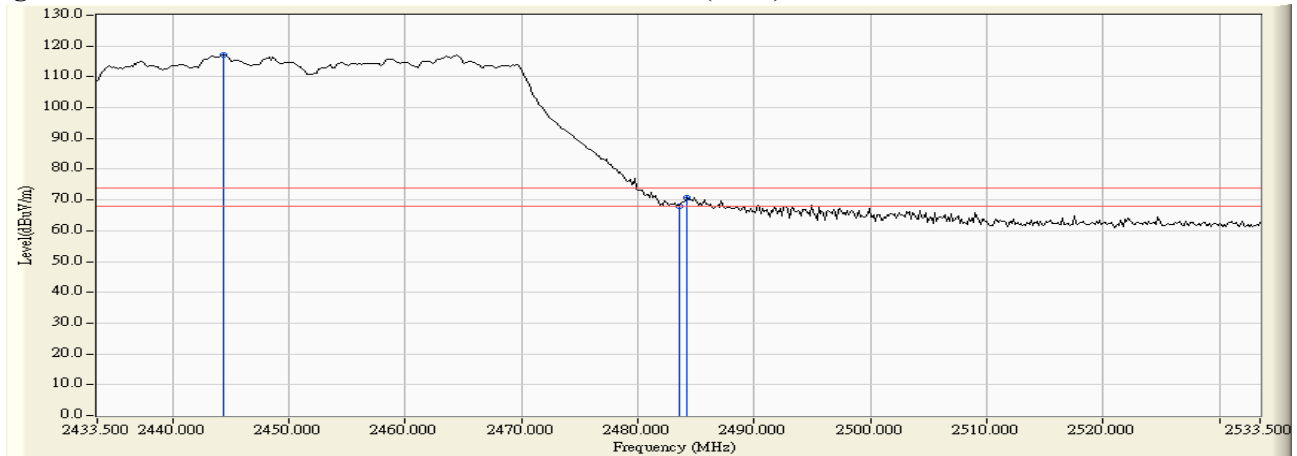
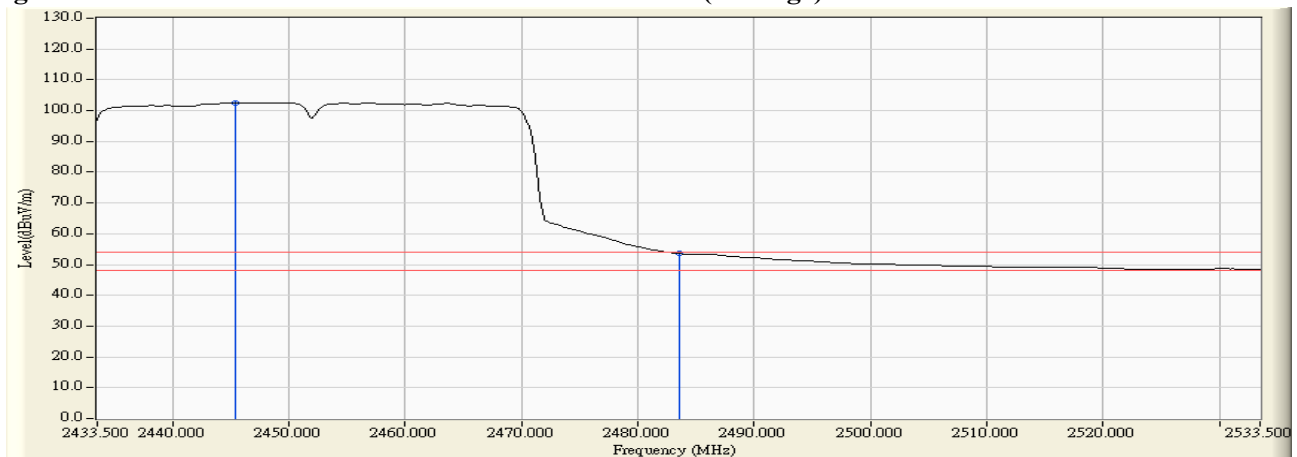
Figure Channel 07: Horizontal (Peak)

Figure Channel 07: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
09 (Peak)	2444.370	6.116	111.024	117.140	--	--	--
09 (Peak)	2483.500	6.363	61.597	67.960	74.00	54.00	Pass
09 (Peak)	2484.225	6.368	64.437	70.805	74.00	54.00	Pass
09 (Average)	2445.384	6.123	96.508	102.631	--	--	--
09 (Average)	2483.500	6.363	47.230	53.593	74.00	54.00	Pass

Figure Channel 07: Vertical (Peak)

Figure Channel 07: Vertical (Average)


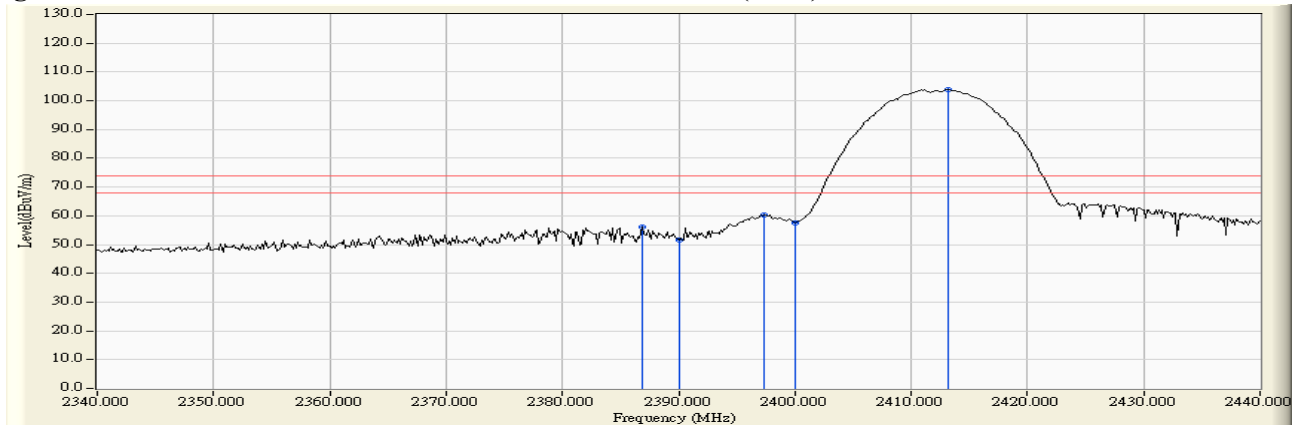
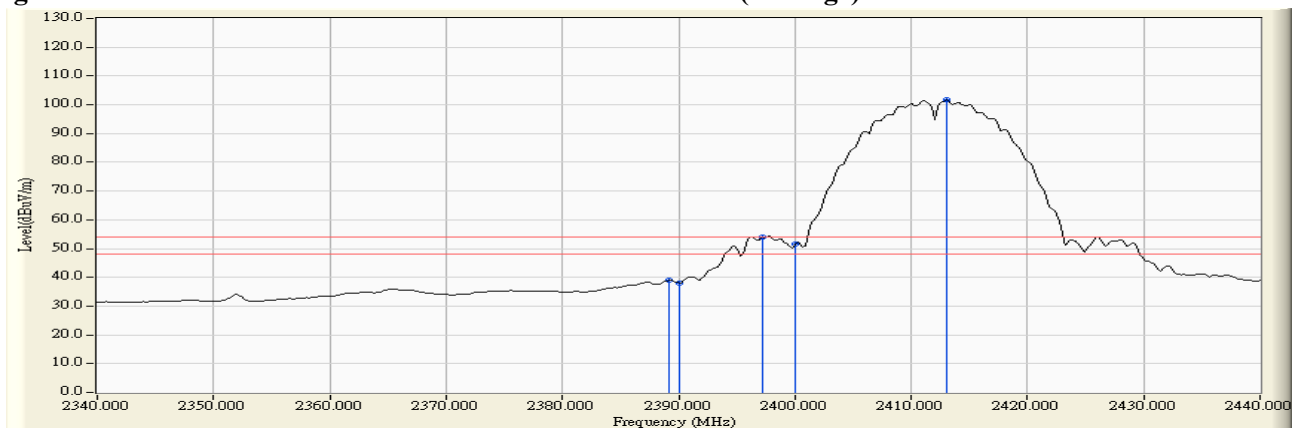
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2386.812	6.461	49.478	55.939	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	45.011	51.486	74.00	54.00	Pass
01 (Peak)	2397.391	6.513	53.647	60.160	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	51.101	57.629	74.00	54.00	Pass
01 (Peak)	2413.188	6.611	97.301	103.912	--	--	--
01 (Average)	2389.130	6.471	32.487	38.958	74.00	54.00	Pass
01 (Average)	2390.000	6.474	31.560	38.035	74.00	54.00	Pass
01 (Average)	2397.246	6.512	47.410	53.922	74.00	54.00	Pass
01 (Average)	2400.000	6.528	44.976	51.504	74.00	54.00	Pass
01 (Average)	2413.043	6.610	95.079	101.689	--	--	--

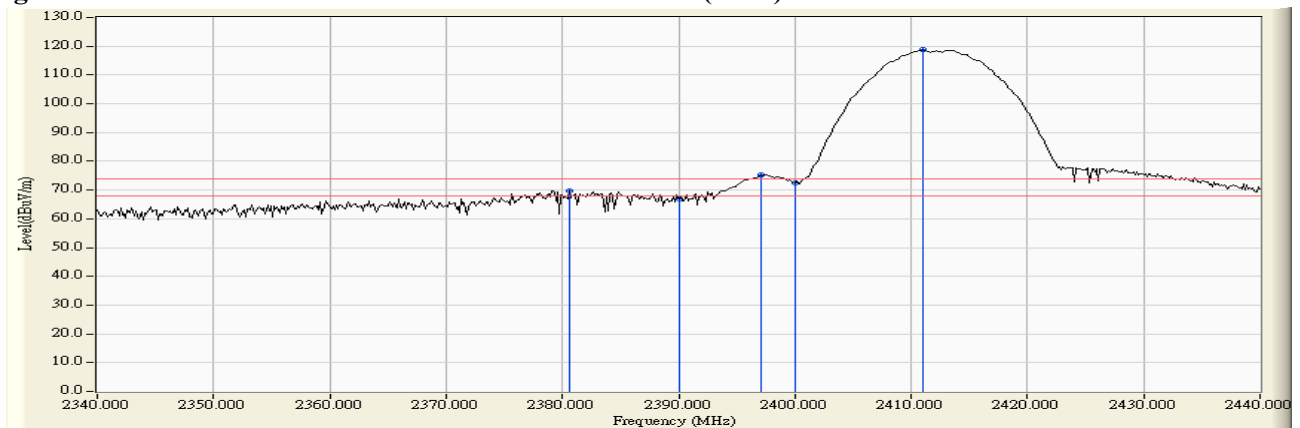
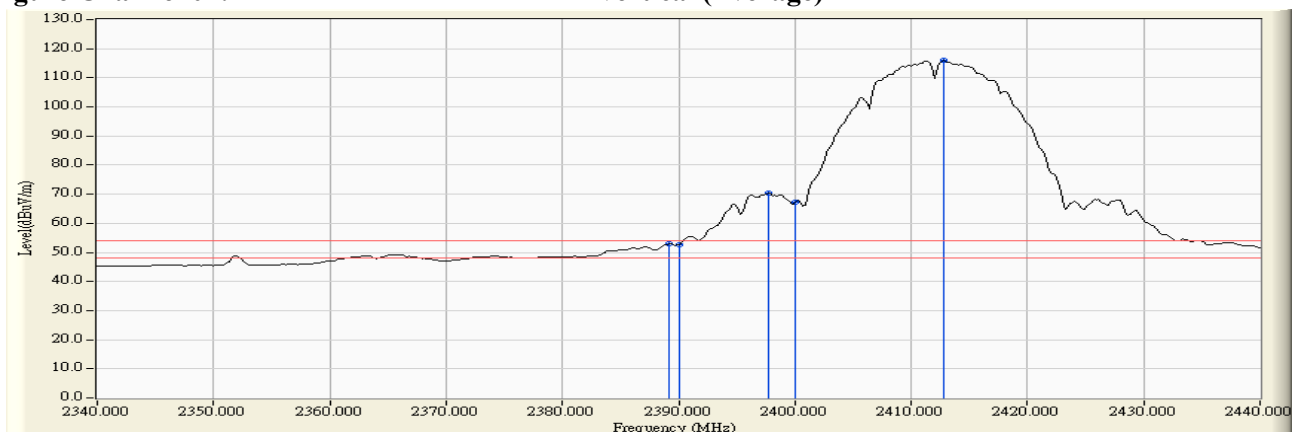
Figure Channel 01: Horizontal (Peak)

Figure Channel 01: Horizontal (Average)


- Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2380.580	5.920	63.736	69.656	74.00	54.00	Pass
01 (Peak)	2390.000	5.880	60.954	66.835	74.00	54.00	Pass
01 (Peak)	2397.101	5.872	69.488	75.360	--	--	--
01 (Peak)	2400.000	5.879	66.650	72.529	74.00	54.00	Pass
01 (Peak)	2411.014	5.907	112.797	118.705	--	--	--
01 (Average)	2389.130	5.884	47.127	53.011	74.00	54.00	Pass
01 (Average)	2390.000	5.880	46.808	52.689	74.00	54.00	Pass
01 (Average)	2397.681	5.873	64.533	70.406	--	--	--
01 (Average)	2400.000	5.879	61.331	67.210	--	--	--
01 (Average)	2412.754	5.919	110.029	115.947	--	--	--

Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)


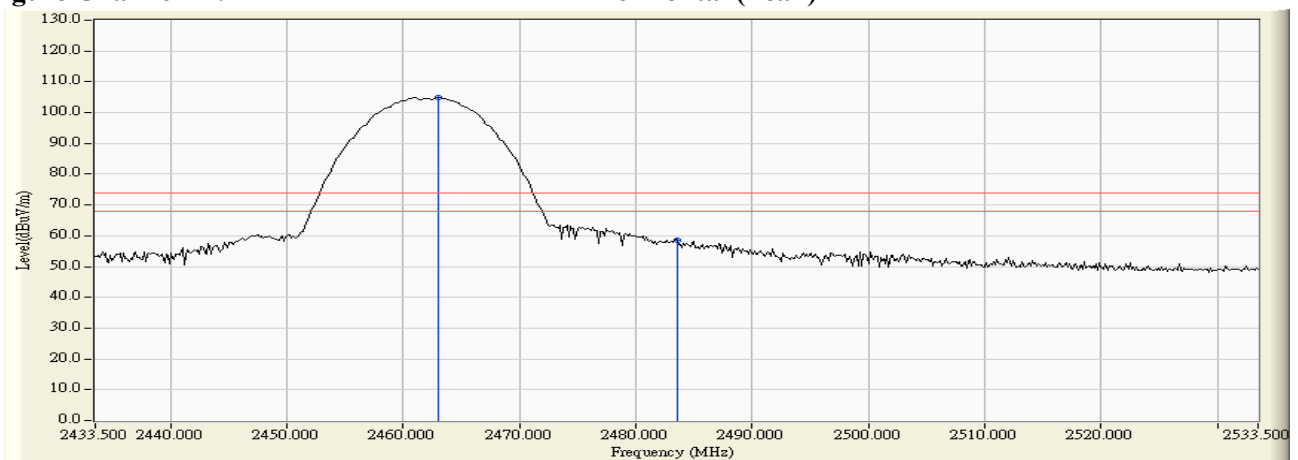
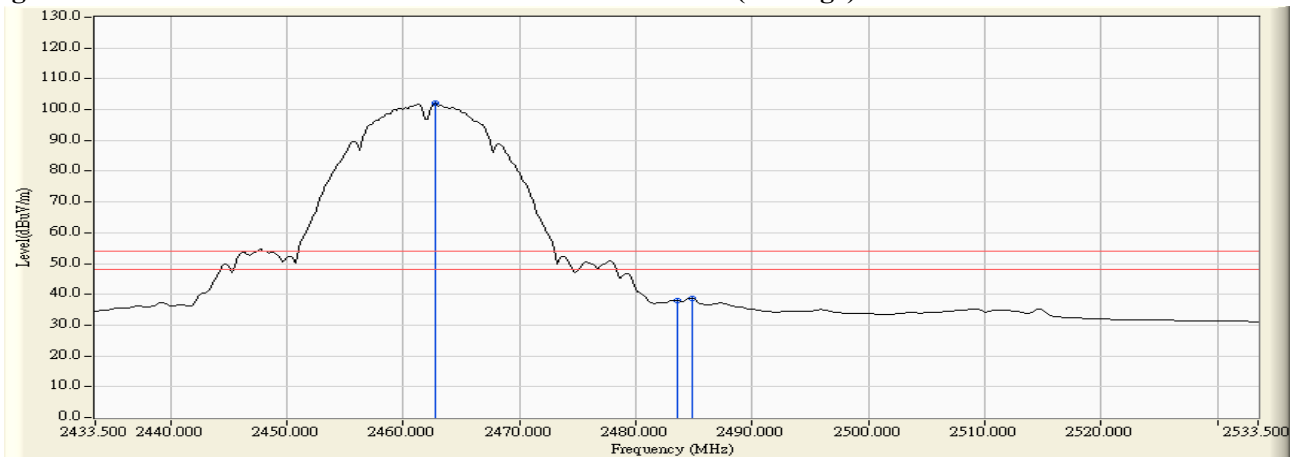
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.065	6.966	97.948	104.914	--	--	--
11 (Peak)	2483.500	7.110	51.572	58.682	74.00	54.00	Pass
11 (Average)	2462.775	6.964	94.993	101.957	--	--	--
11 (Average)	2483.500	7.110	30.915	38.025	74.00	54.00	Pass
11 (Average)	2484.804	7.120	31.604	38.723	74.00	54.00	Pass

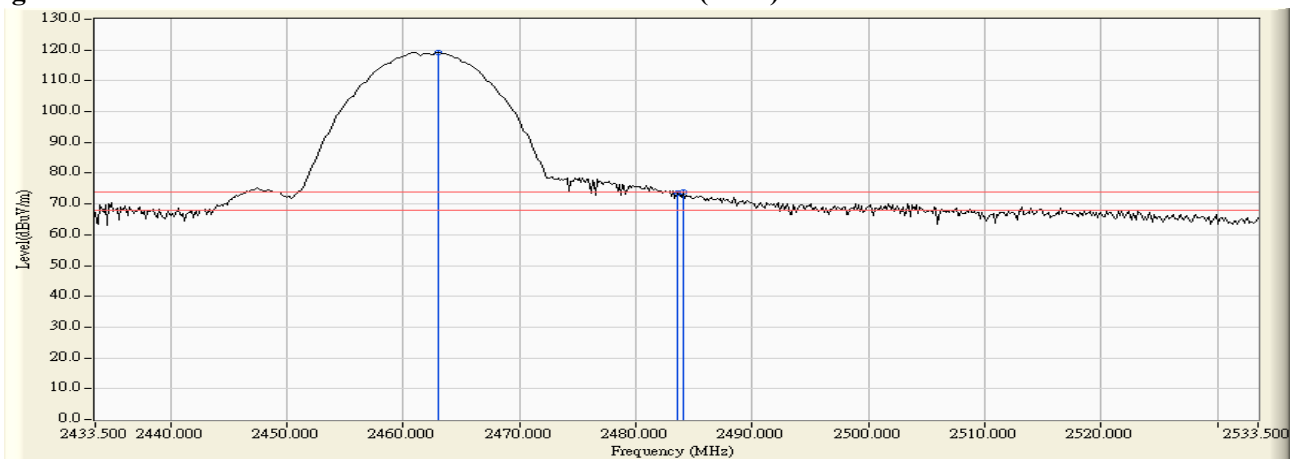
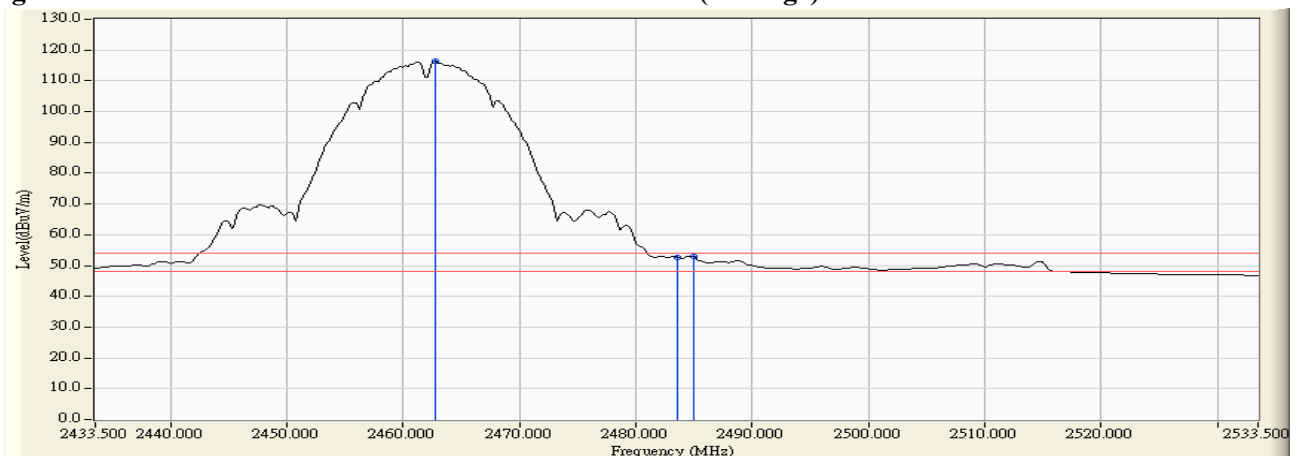
Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.065	6.236	112.982	119.218	--	--	--
11 (Peak)	2483.500	6.363	67.208	73.571	74.00	54.00	Pass
11 (Peak)	2484.080	6.367	67.368	73.735	74.00	54.00	Pass
11 (Average)	2462.775	6.234	110.085	116.319	--	--	--
11 (Average)	2483.500	6.363	46.375	52.738	74.00	54.00	Pass
11 (Average)	2484.949	6.373	46.462	52.834	74.00	54.00	Pass

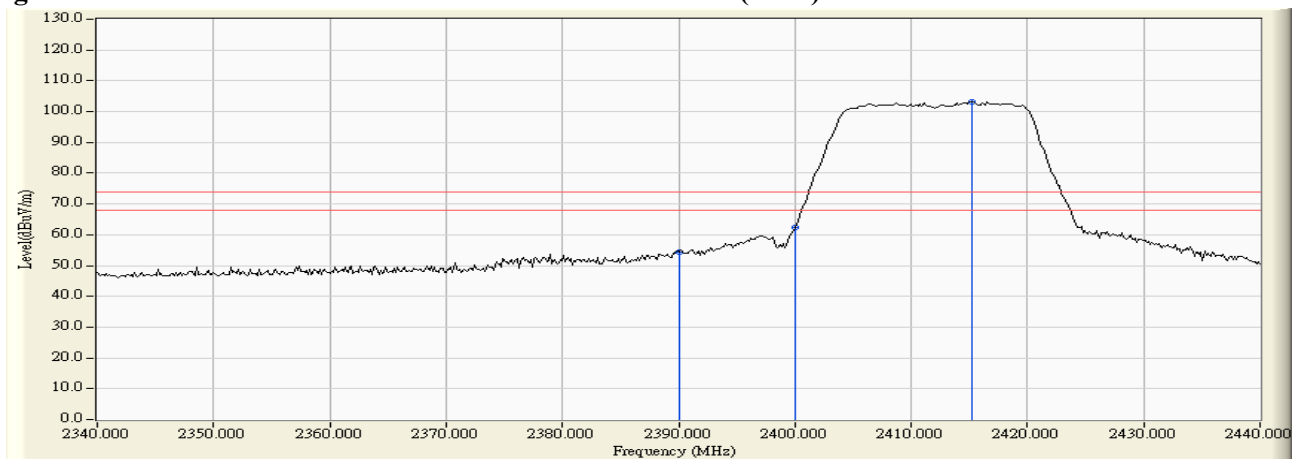
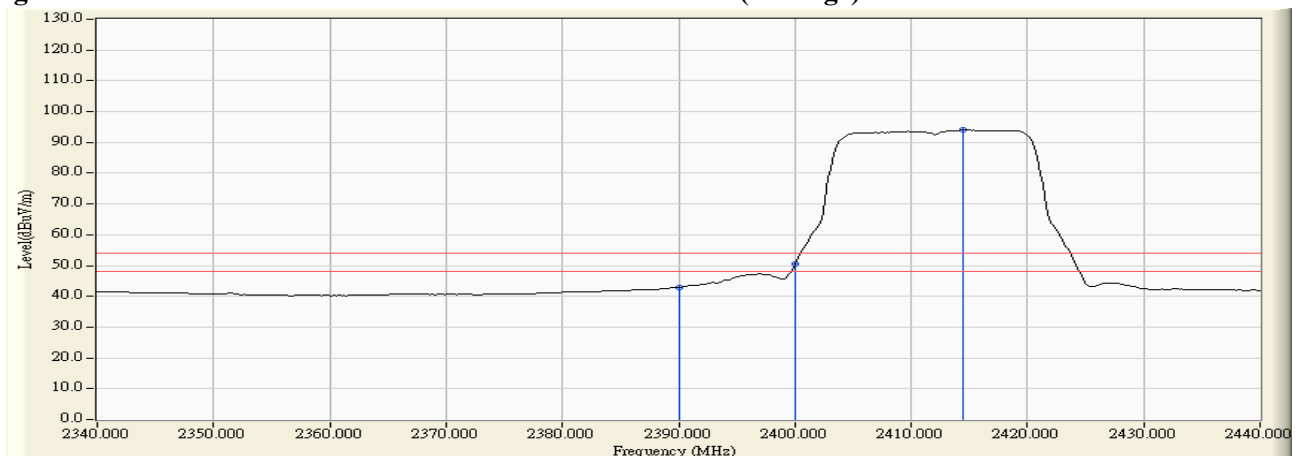
Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	6.474	47.952	54.427	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	55.885	62.413	74.00	54.00	Pass
01 (Peak)	2415.217	6.626	96.700	103.326	--	--	--
01(Average)	2390.000	6.474	36.397	42.872	74.00	54.00	Pass
01(Average)	2400.000	6.528	43.892	50.420	74.00	54.00	Pass
01(Average)	2414.493	6.621	87.451	94.071	--	--	--

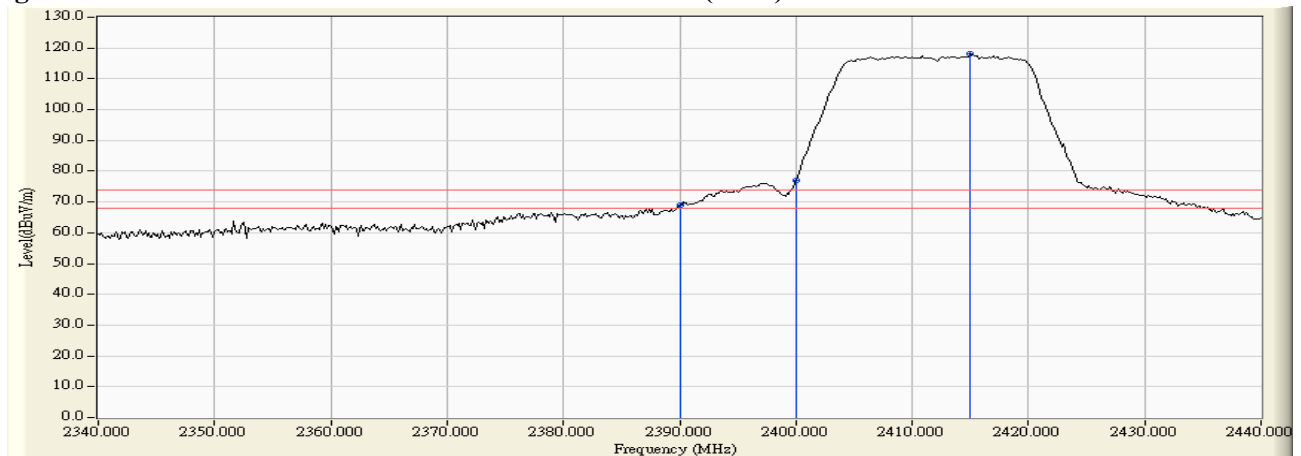
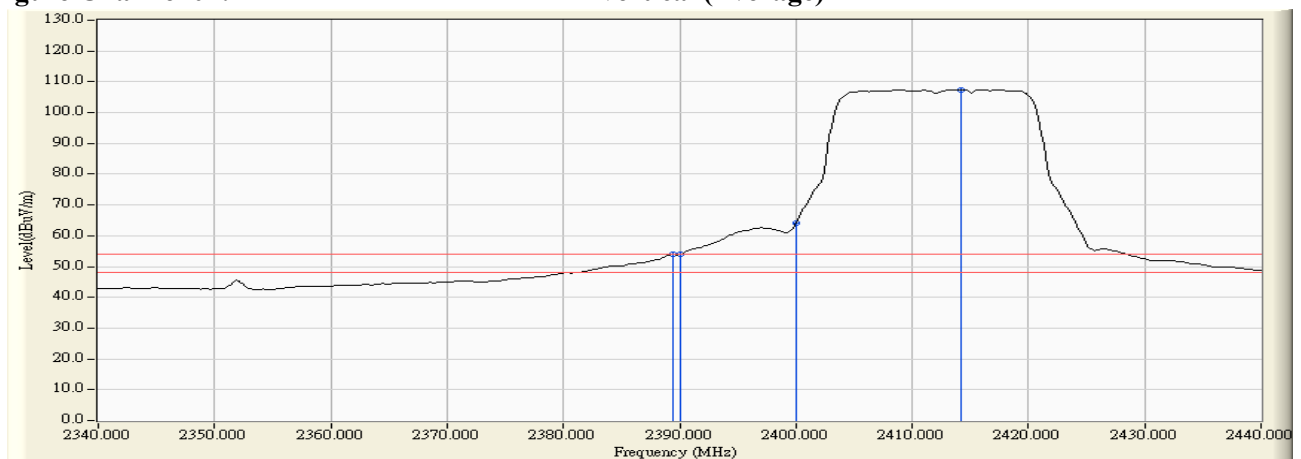
Figure Channel 01: Horizontal (Peak)**Figure Channel 01: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	5.880	63.089	68.970	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	71.280	77.159	--	--	--
01 (Peak)	2414.928	5.932	112.331	118.263	--	--	--
01 (Average)	2389.420	5.883	48.021	53.904	74.00	54.00	Pass
01 (Average)	2390.000	5.880	47.984	53.865	74.00	54.00	Pass
01 (Average)	2400.000	5.879	58.387	64.266	--	--	--
01 (Average)	2414.203	5.927	101.528	107.456	--	--	--

Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)


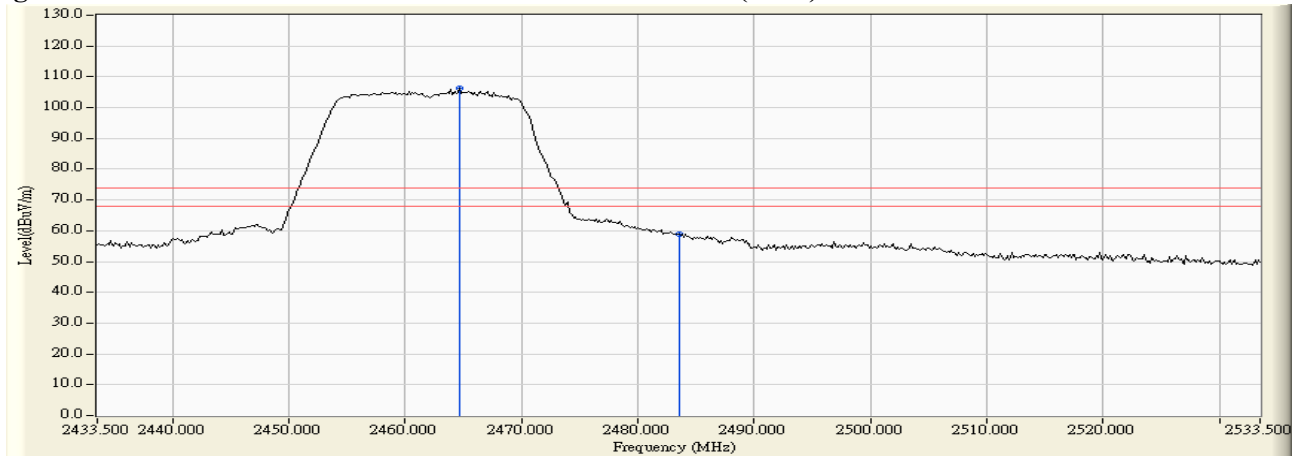
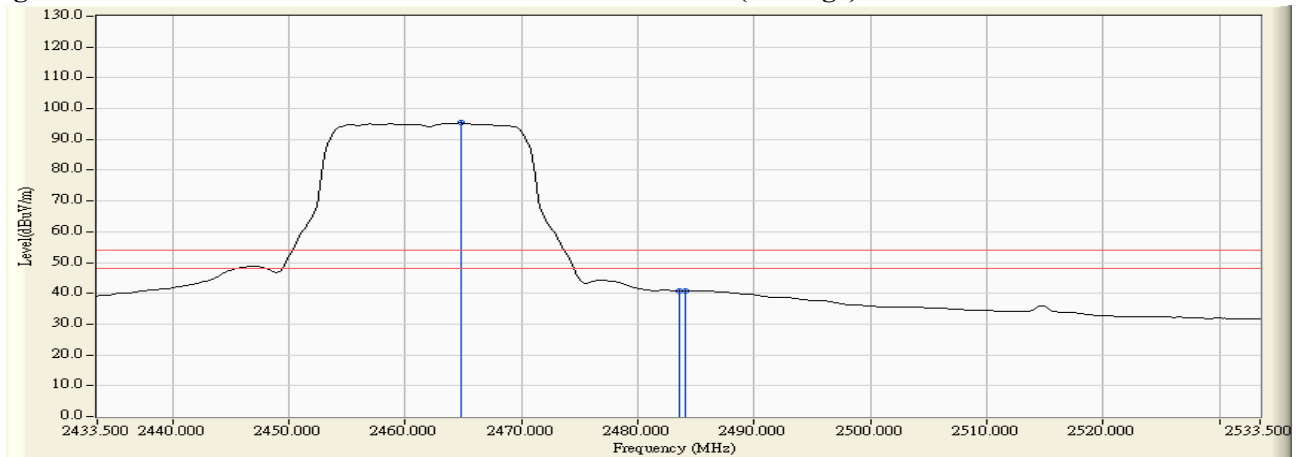
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection. detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2464.659	6.977	99.343	106.320	--	--	--
11 (Peak)	2483.500	7.110	51.629	58.739	74.00	54.00	Pass
11 (Average)	2464.804	6.978	88.360	95.338	--	--	--
11 (Average)	2483.500	7.110	33.660	40.770	74.00	54.00	Pass
11 (Average)	2484.080	7.114	33.797	40.911	74.00	54.00	Pass

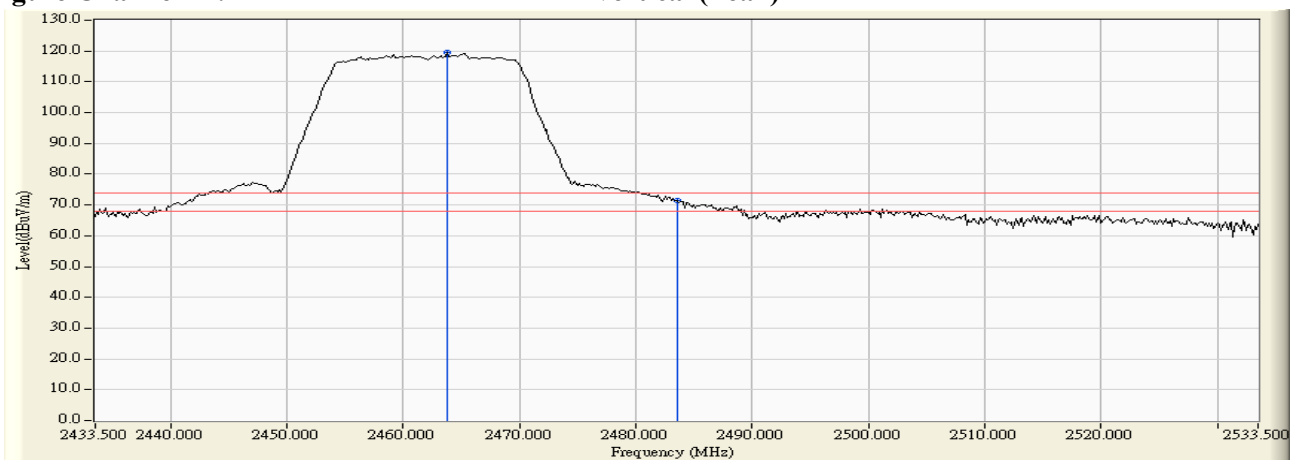
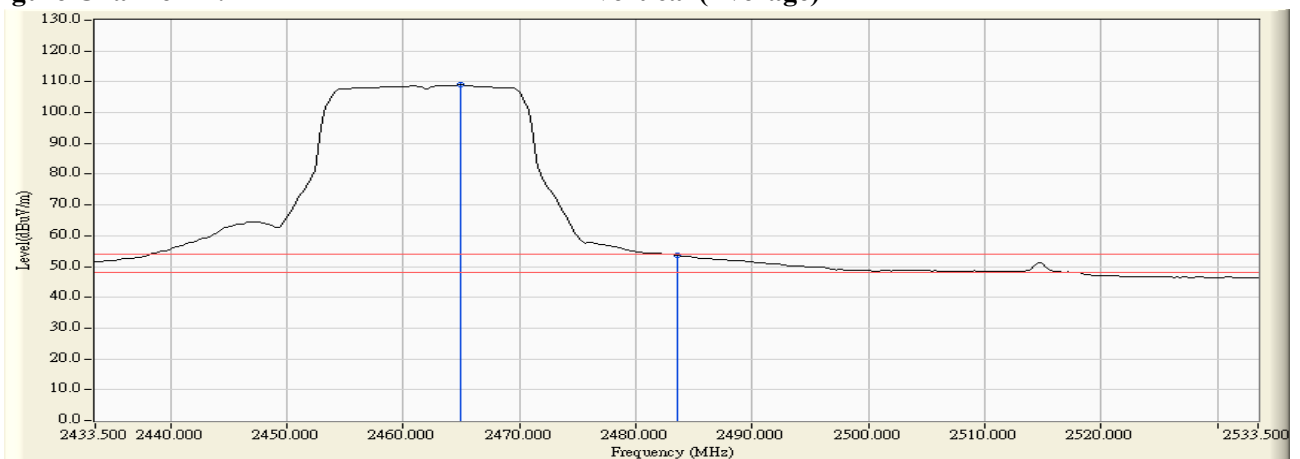
Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.790	6.240	113.146	119.386	--	--	--
11 (Peak)	2483.500	6.363	64.927	71.290	74.00	54.00	Pass
11 (Average)	2464.949	6.248	102.728	108.976	--	--	--
11 (Average)	2483.500	6.363	47.294	53.657	74.00	54.00	Pass

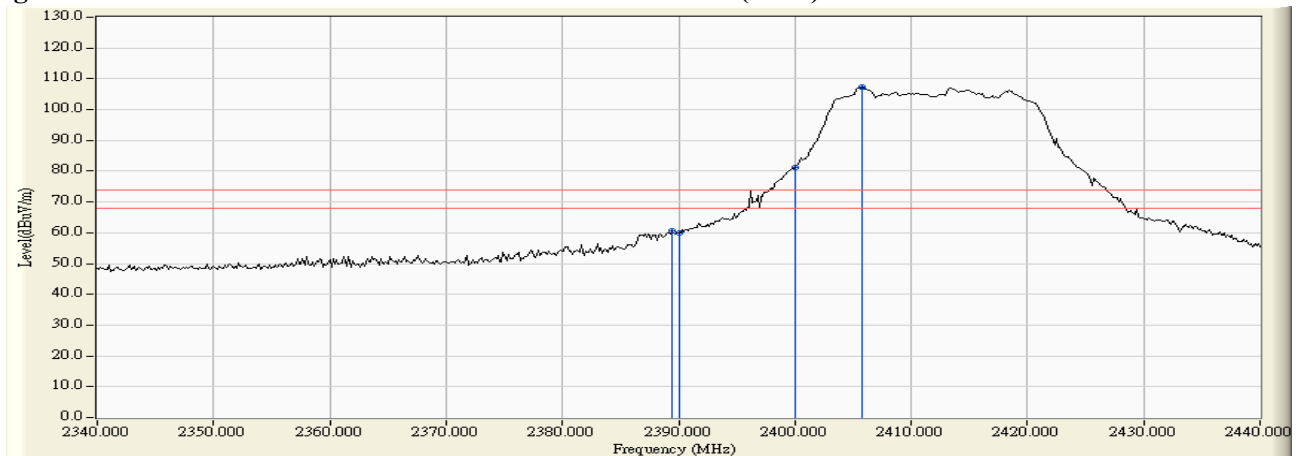
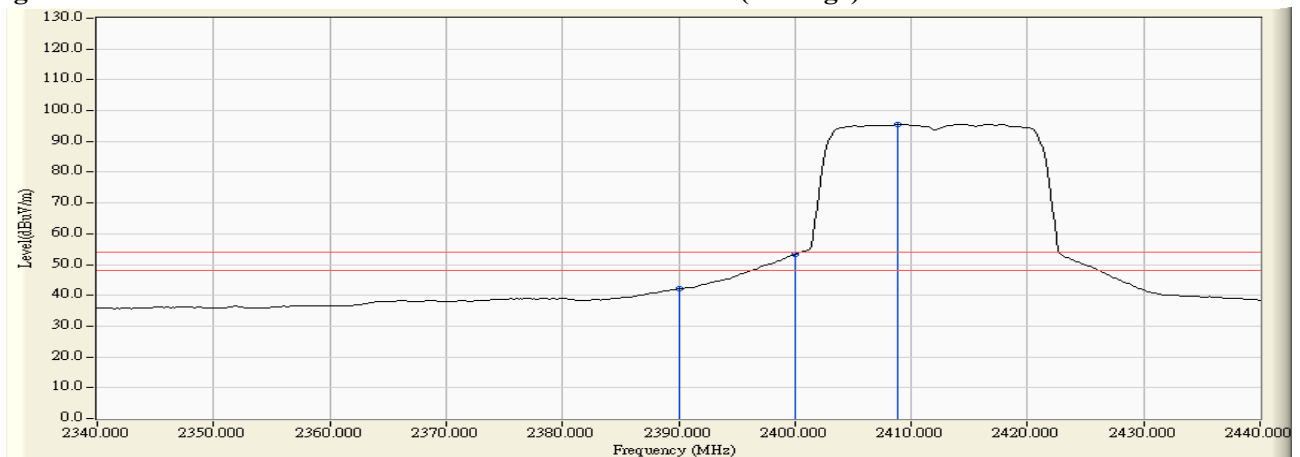
Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2389.420	6.472	54.245	60.717	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	53.388	59.863	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	74.649	81.177	--	--	--
01 (Peak)	2405.797	6.563	100.897	107.461	--	--	--
01 (Average)	2390.000	6.474	35.527	42.002	74.00	54.00	Pass
01 (Average)	2400.000	6.528	46.775	53.303	74.00	54.00	Pass
01 (Average)	2408.841	6.582	89.044	95.626	--	--	--

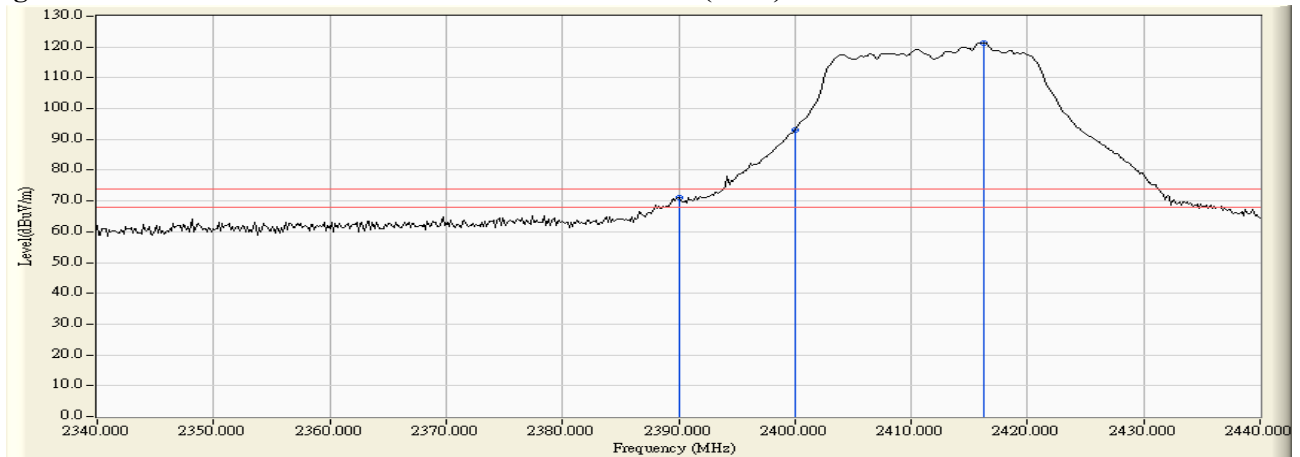
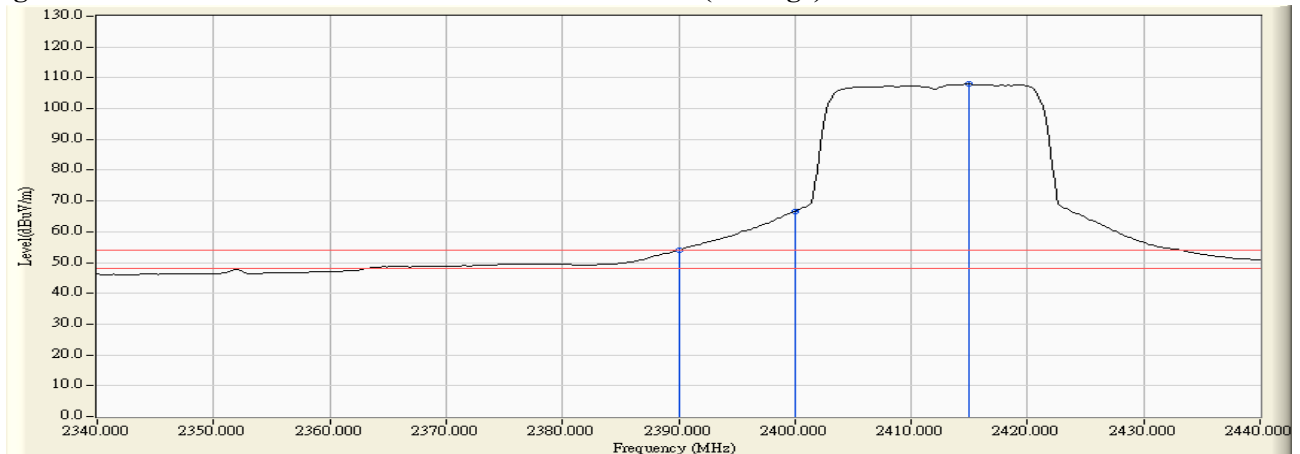
Figure Channel 01:
Horizontal (Peak)

Figure Channel 01:
Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	5.880	65.116	70.997	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	87.078	92.957	74.00	54.00	Pass
01 (Peak)	2416.232	5.941	115.482	121.422	--	--	--
01 (Average)	2390.000	5.880	48.025	53.906	74.00	54.00	Pass
01 (Average)	2400.000	5.879	60.840	66.719	--	--	--
01 (Average)	2414.928	5.932	101.988	107.920	--	--	--

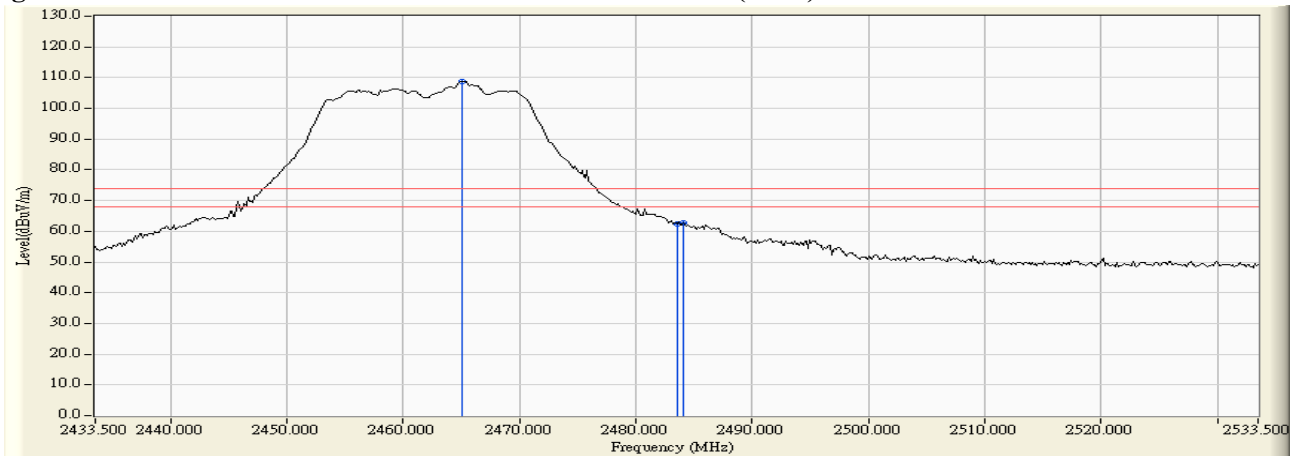
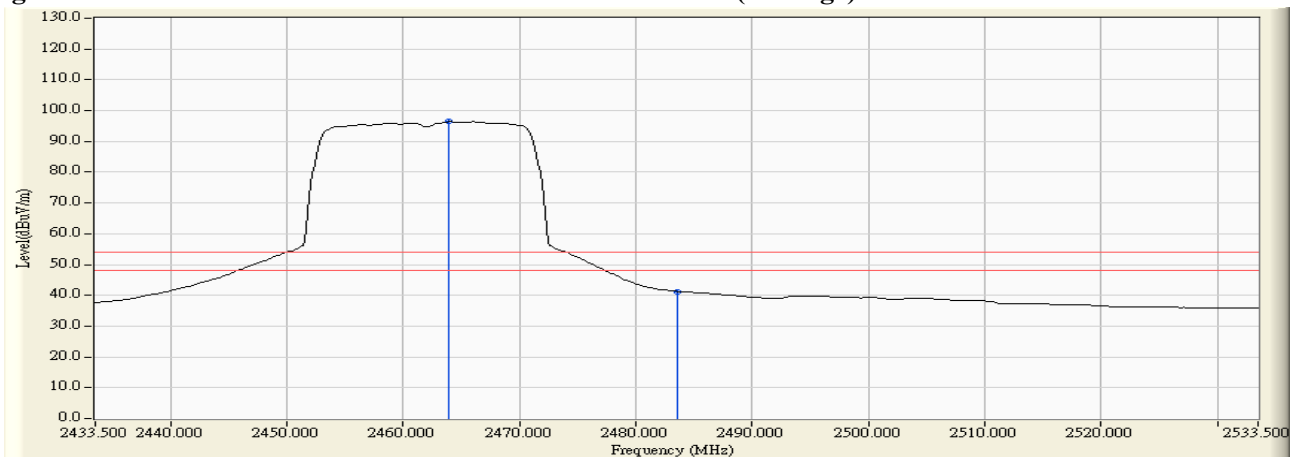
Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2465.094	6.980	101.913	108.893	--	--	--
11 (Peak)	2483.500	7.110	55.390	62.500	74.00	54.00	Pass
11 (Peak)	2484.080	7.114	55.462	62.576	74.00	54.00	Pass
11 (Average)	2463.935	6.972	89.421	96.393	--	--	--
11 (Average)	2483.500	7.110	34.190	41.300	74.00	54.00	Pass

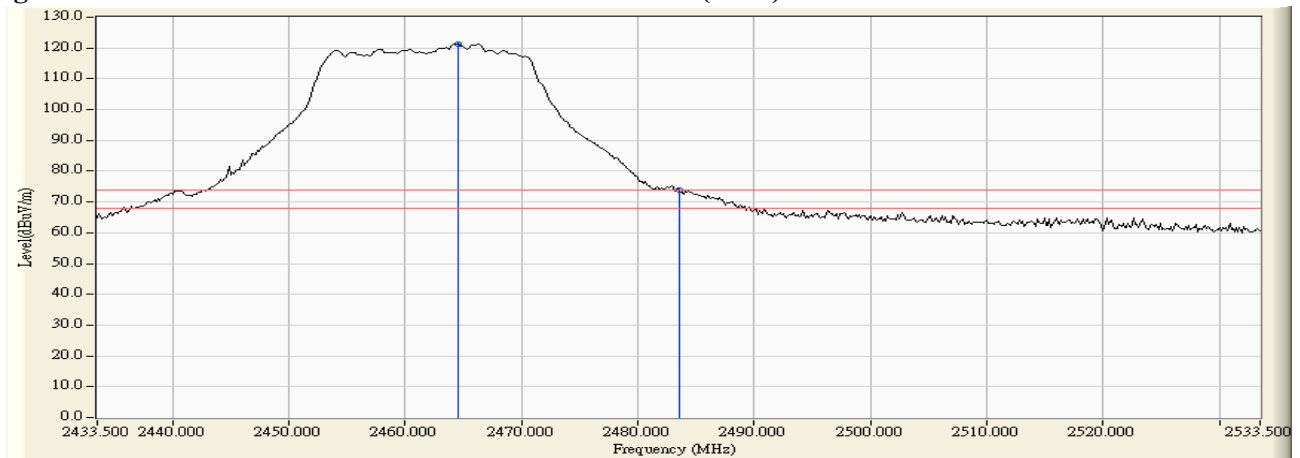
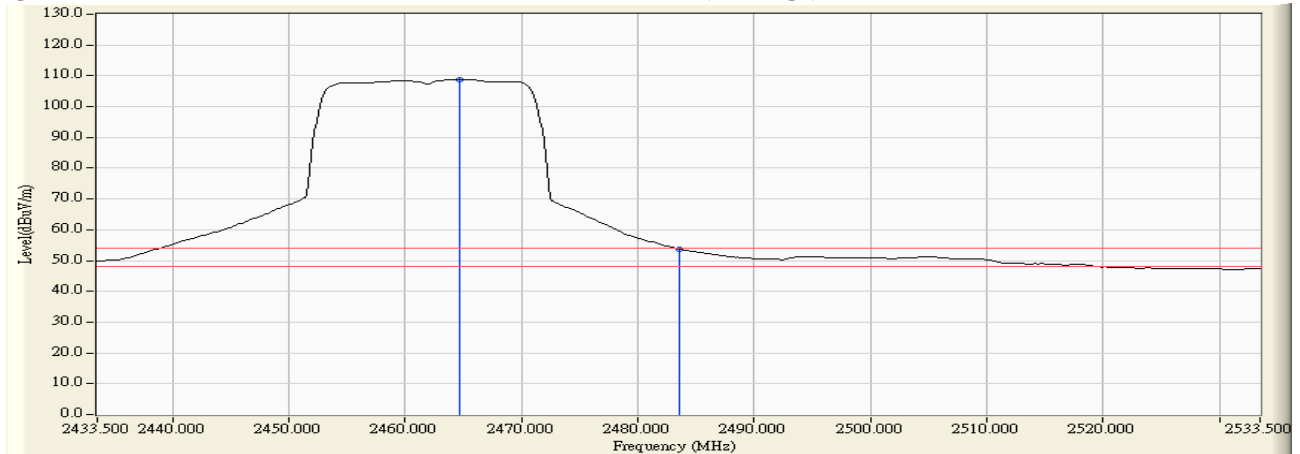
Figure Channel 11: Horizontal (Peak)**Figure Channel 11: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2464.514	6.245	115.110	121.355	--	--	--
11 (Peak)	2483.500	6.363	67.595	73.958	74.00	54.00	Pass
11 (Average)	2464.659	6.246	102.569	108.815	--	--	--
11 (Average)	2483.500	6.363	47.417	53.780	74.00	54.00	Pass

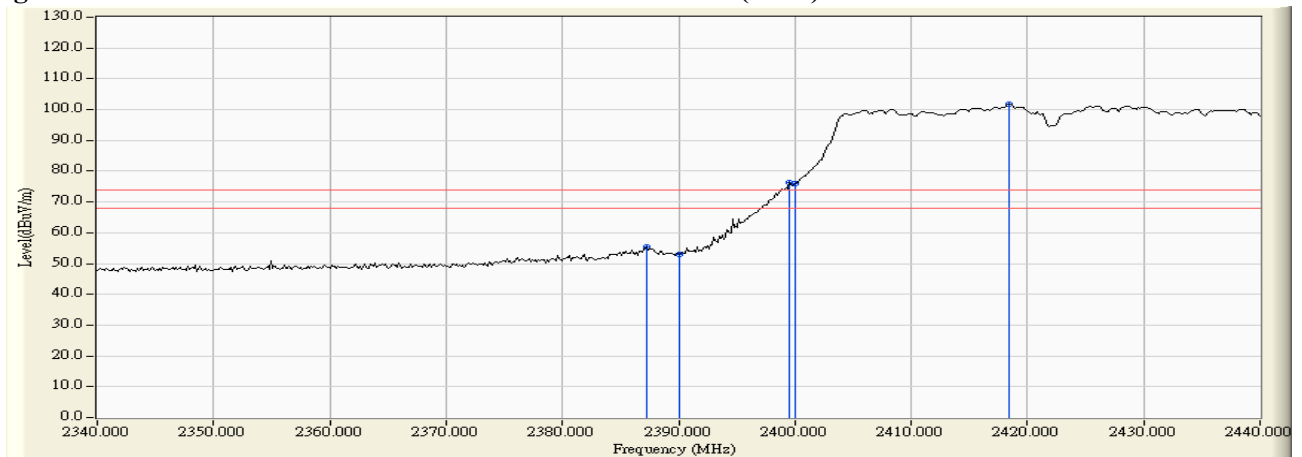
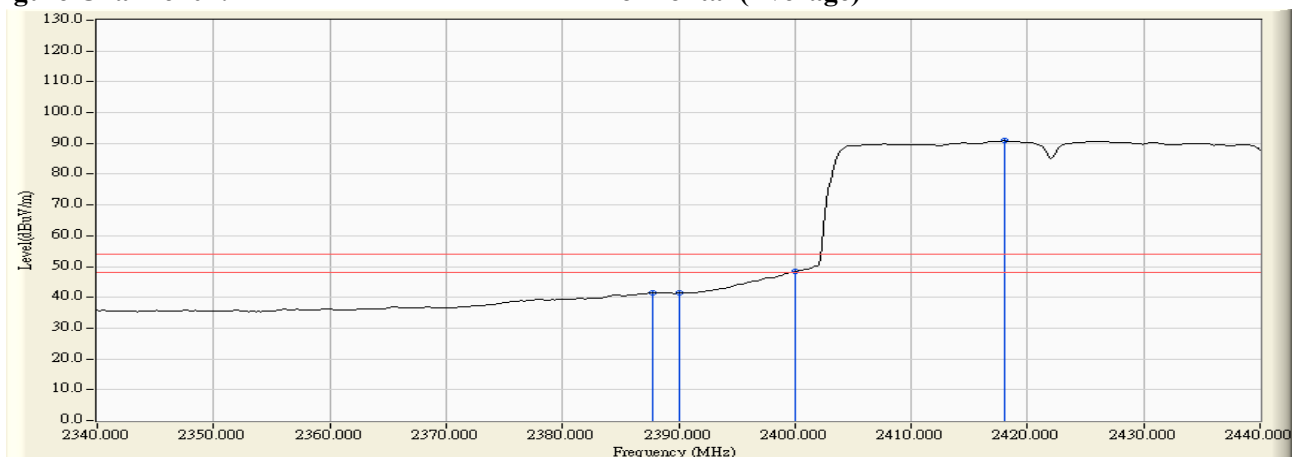
Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
03 (Peak)	2387.246	6.462	48.864	55.327	74.00	54.00	Pass
03 (Peak)	2390.000	6.474	46.601	53.076	74.00	54.00	Pass
03 (Peak)	2399.565	6.526	69.864	76.390	--	--	--
03 (Peak)	2400.000	6.528	69.544	76.072	--	--	--
03 (Peak)	2418.406	6.648	95.074	101.722	--	--	--
03 (Average)	2387.826	6.465	34.976	41.441	74.00	54.00	Pass
03 (Average)	2390.000	6.474	34.864	41.339	74.00	54.00	Pass
03 (Average)	2400.000	6.528	41.795	48.323	74.00	54.00	Pass
03 (Average)	2417.971	6.646	84.149	90.794	--	--	--

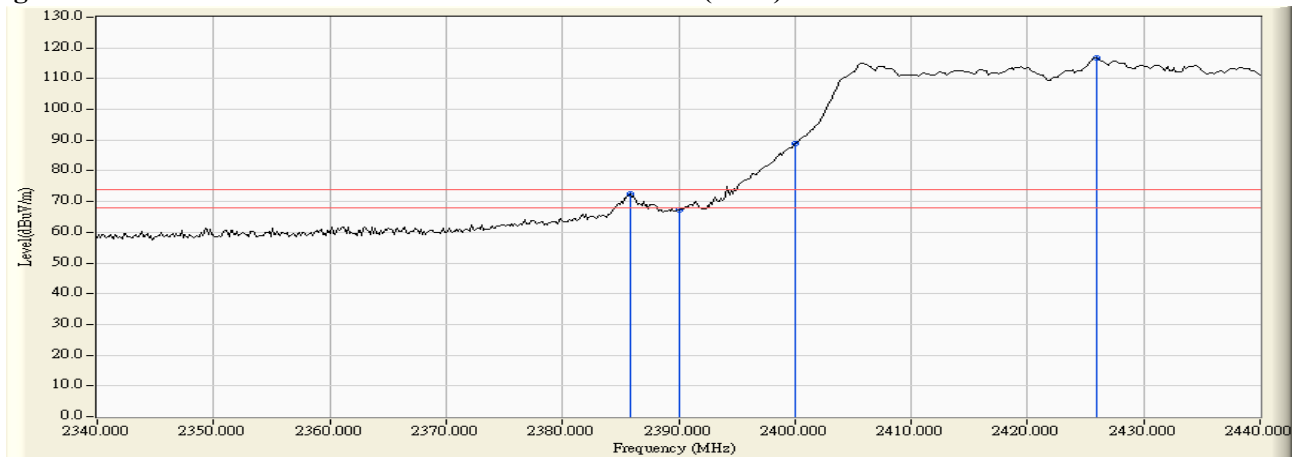
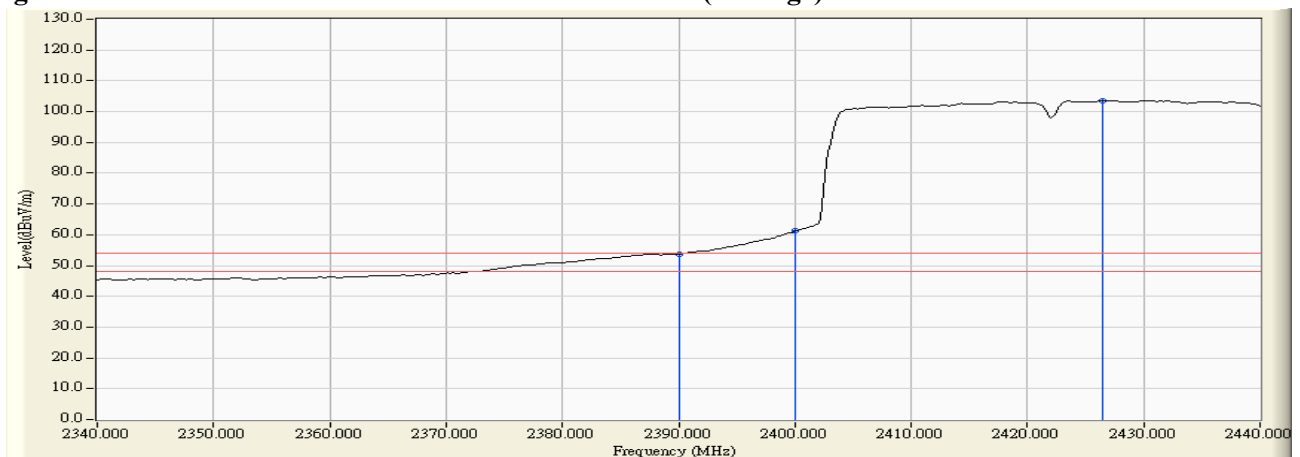
Figure Channel 01: Horizontal (Peak)**Figure Channel 01: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
03 (Peak)	2385.797	5.899	66.465	72.363	74.00	54.00	Pass
03 (Peak)	2390.000	5.880	61.294	67.175	74.00	54.00	Pass
03 (Peak)	2400.000	5.879	82.892	88.771	--	--	--
03 (Peak)	2425.942	6.001	110.728	116.729	--	--	--
03 (Average)	2390.000	5.880	47.937	53.818	74.00	54.00	Pass
03 (Average)	2400.000	5.879	55.357	61.236	--	--	--
03 (Average)	2426.522	6.005	97.561	103.566	--	--	--

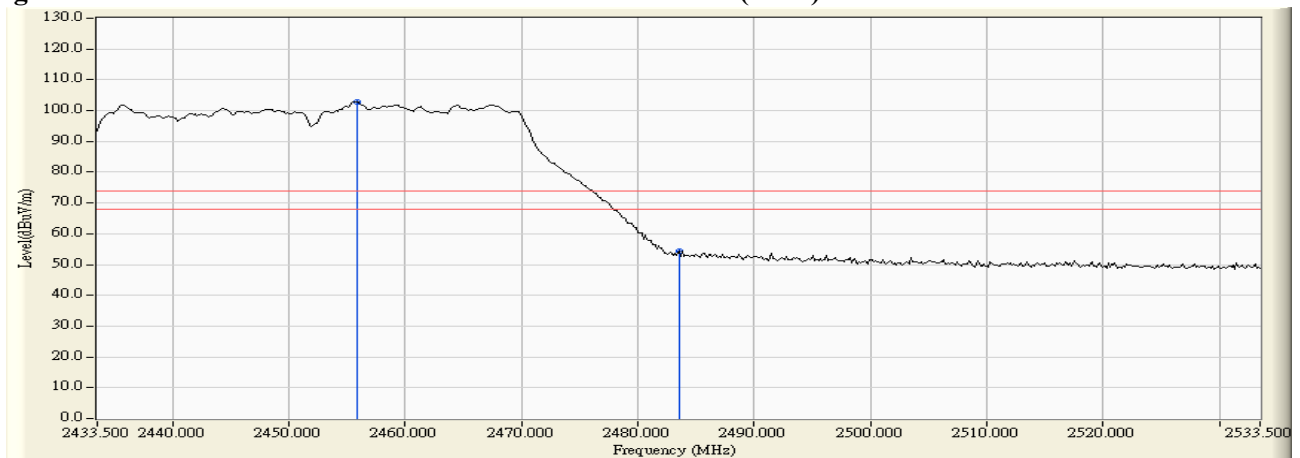
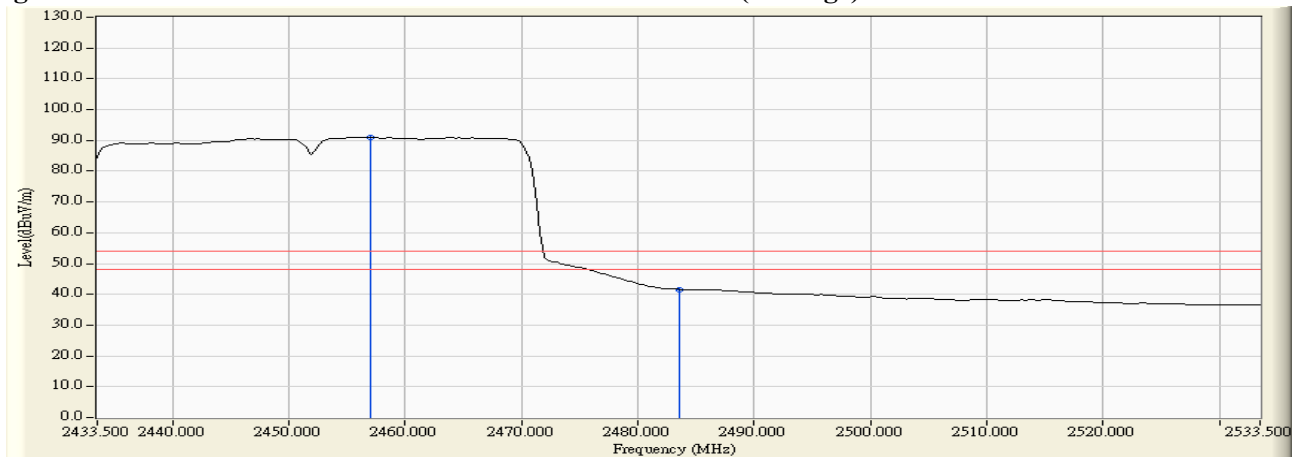
Figure Channel 01:
Vertical (Peak)

Figure Channel 01:
Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.7)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
09 (Peak)	2455.819	6.915	96.070	102.985	--	--	--
09 (Peak)	2483.500	7.110	47.143	54.253	74.00	54.00	Pass
09 (Average)	2456.978	6.923	84.162	91.085	--	--	--
09 (Average)	2483.500	7.110	34.535	41.645	74.00	54.00	Pass

Figure Channel 07: Horizontal (Peak)

Figure Channel 07: Horizontal (Average)


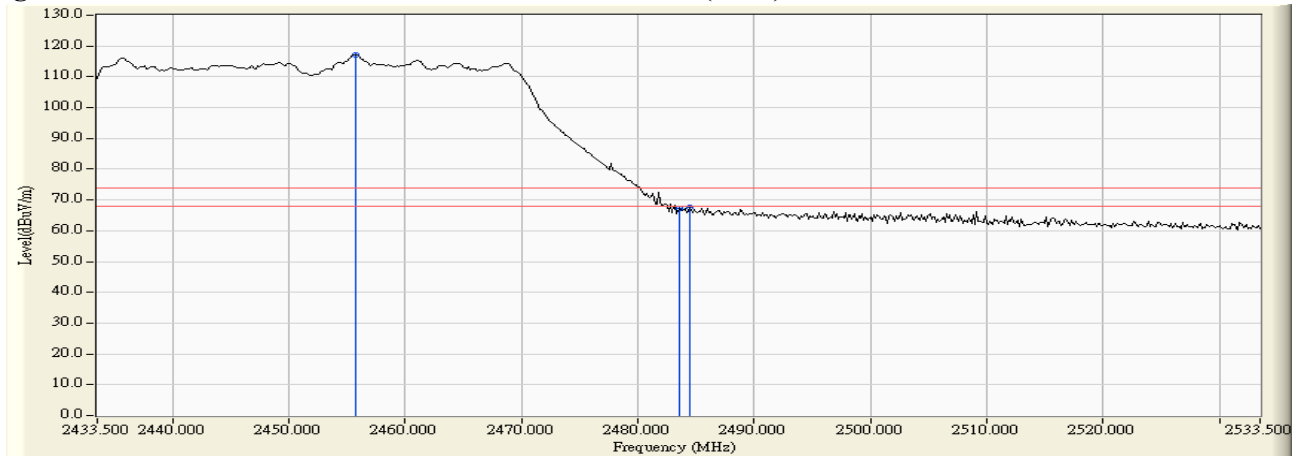
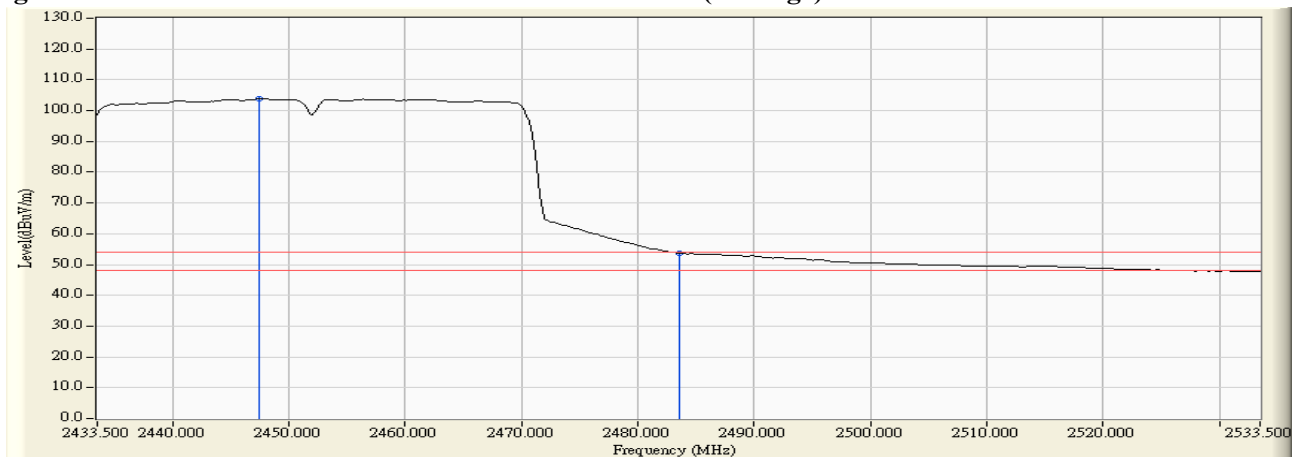
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 4: Transmit (802.11n-40BW_60Mbps) (Antenna No.7)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
09 (Peak)	2455.674	6.189	110.979	117.168	--	--	--
09 (Peak)	2483.500	6.363	61.043	67.406	74.00	54.00	Pass
09 (Peak)	2484.514	6.369	61.177	67.547	74.00	54.00	Pass
09 (Average)	2447.413	6.136	97.754	103.890	--	--	--
09 (Average)	2483.500	6.363	47.390	53.753	74.00	54.00	Pass

Figure Channel 07: Vertical (Peak)

Figure Channel 07: Vertical (Average)


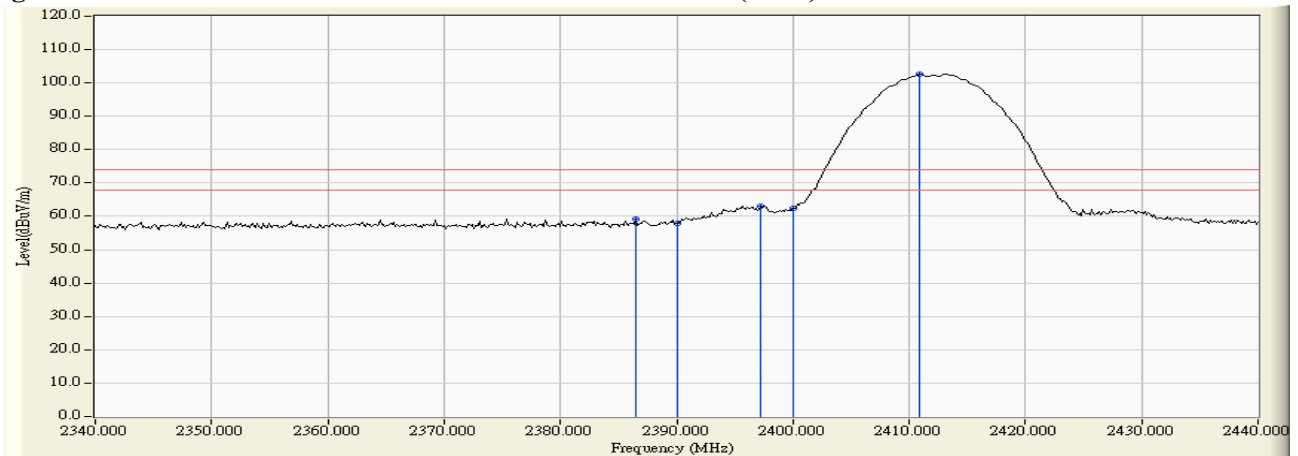
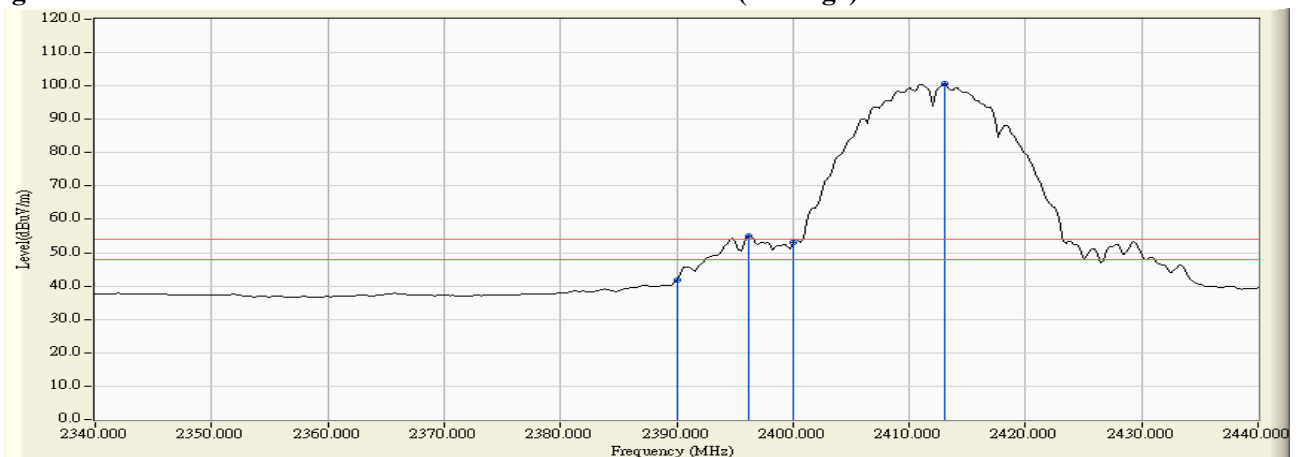
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2386.522	6.460	52.724	59.183	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	51.366	57.841	74.00	54.00	Pass
01 (Peak)	2397.246	6.512	56.657	63.169	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	56.038	62.566	74.00	54.00	Pass
01 (Peak)	2410.870	6.594	96.106	102.701	--	--	--
01 (Average)	2390.000	6.474	35.435	41.910	74.00	54.00	Pass
01 (Average)	2396.232	6.505	48.486	54.992	--	--	--
01 (Average)	2400.000	6.528	46.702	53.230	74.00	54.00	Pass
01 (Average)	2413.043	6.610	94.009	100.619	--	--	--

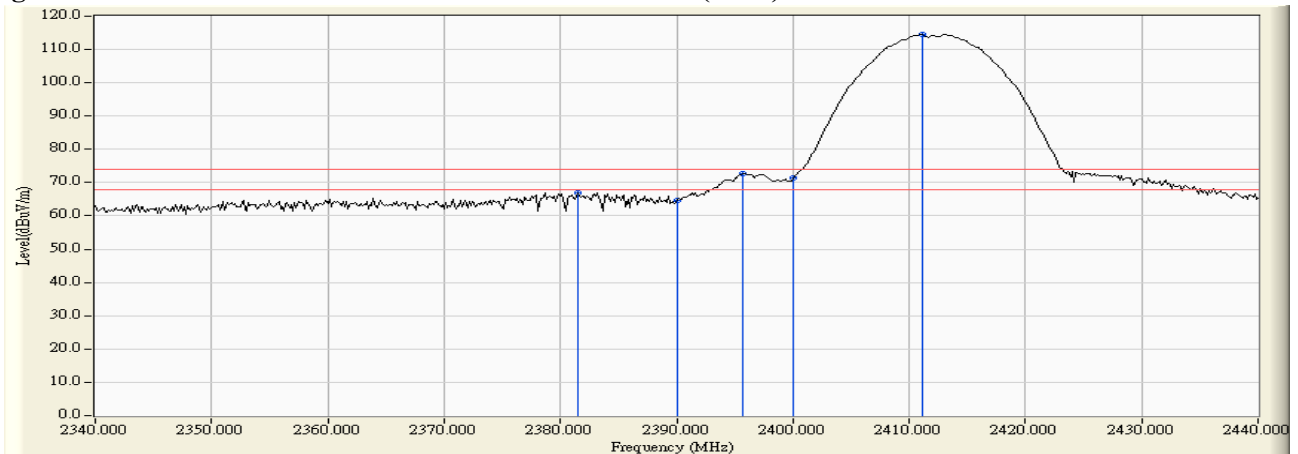
Figure Channel 01:
Horizontal (Peak)

Figure Channel 01:
Horizontal (Average)


- Note: 1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
 2. Measurement Level = Reading Level + Correct Factor.
 3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2381.449	5.916	60.981	66.897	74.00	54.00	Pass
01 (Peak)	2390.000	5.880	58.843	64.724	74.00	54.00	Pass
01 (Peak)	2395.652	5.868	66.899	72.767	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	65.412	71.291	74.00	54.00	Pass
01 (Peak)	2411.159	5.909	108.630	114.538	--	--	--
01 (Average)	2390.000	5.880	47.977	53.858	74.00	54.00	Pass
01 (Average)	2395.942	5.869	62.085	67.954	--	--	--
01 (Average)	2400.000	5.879	59.833	65.712	--	--	--
01 (Average)	2413.043	5.921	106.366	112.286	--	--	--

Figure Channel 01:
Vertical (Peak)

Figure Channel 01:
Vertical (Average)

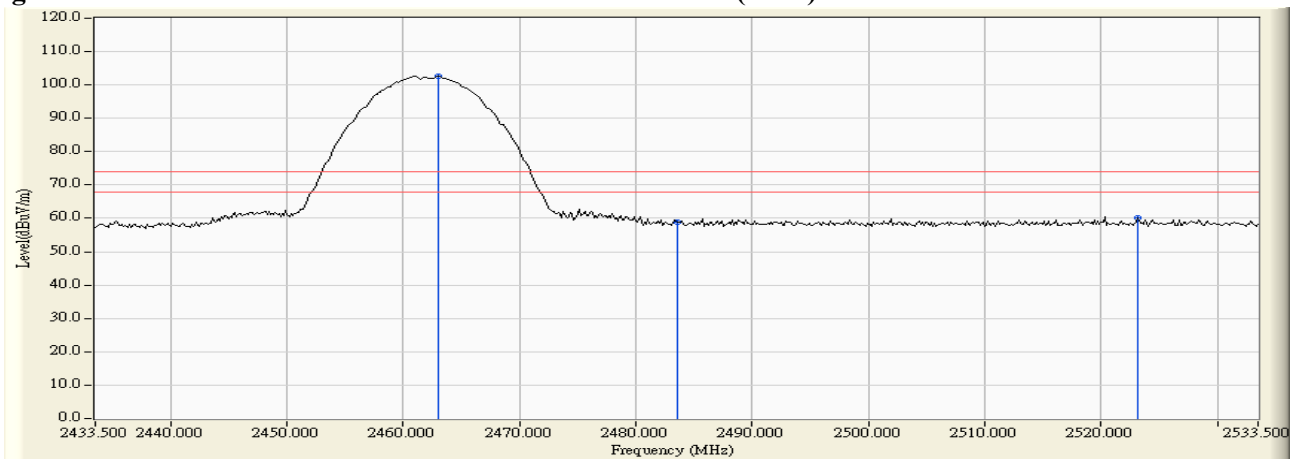
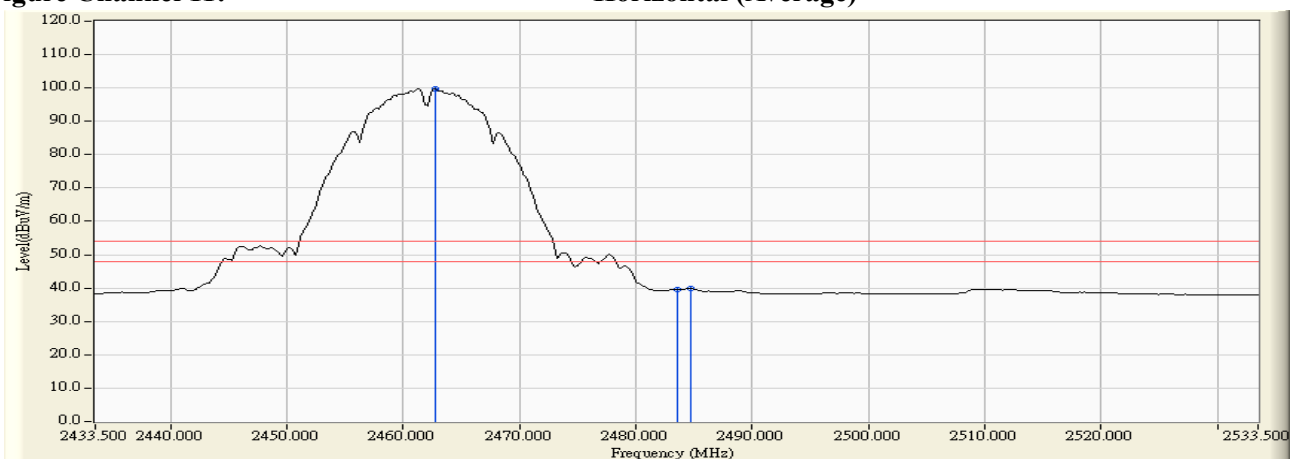
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.065	6.966	95.667	102.633	--	--	--
11 (Peak)	2483.500	7.110	51.730	58.840	74.00	54.00	Pass
11 (Peak)	2523.210	7.108	53.151	60.259	74.00	54.00	Pass
11 (Average)	2462.775	6.964	92.882	99.846	--	--	--
11 (Average)	2483.500	7.110	32.574	39.684	74.00	54.00	Pass
11 (Average)	2484.659	7.119	32.711	39.829	74.00	54.00	Pass

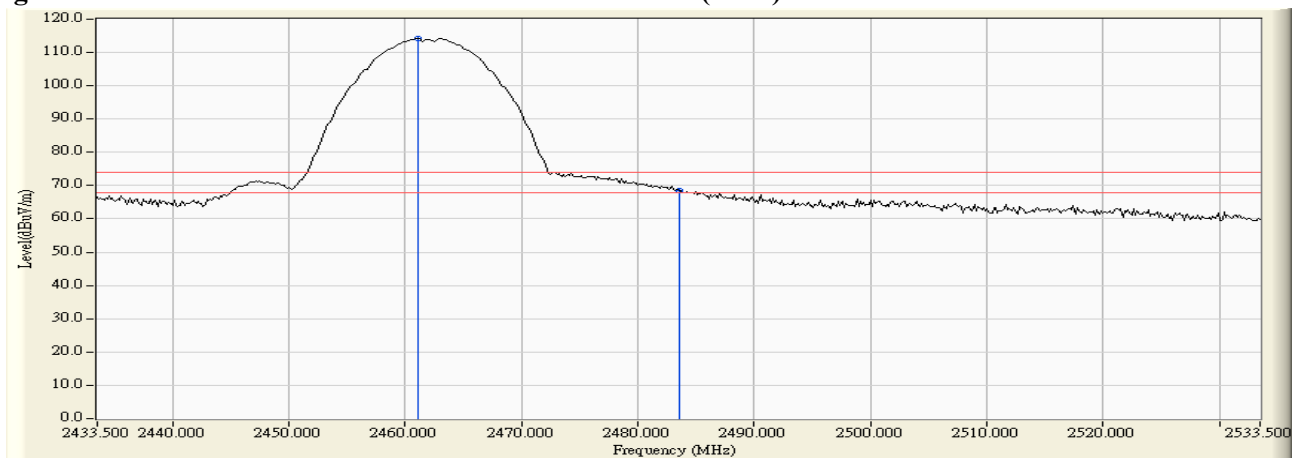
Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2461.036	6.223	107.978	114.201	--	--	--
11 (Peak)	2483.500	6.363	62.300	68.663	74.00	54.00	Pass
11 (Average)	2461.181	6.224	105.038	111.262	--	--	--
11 (Average)	2483.500	6.363	41.414	47.777	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

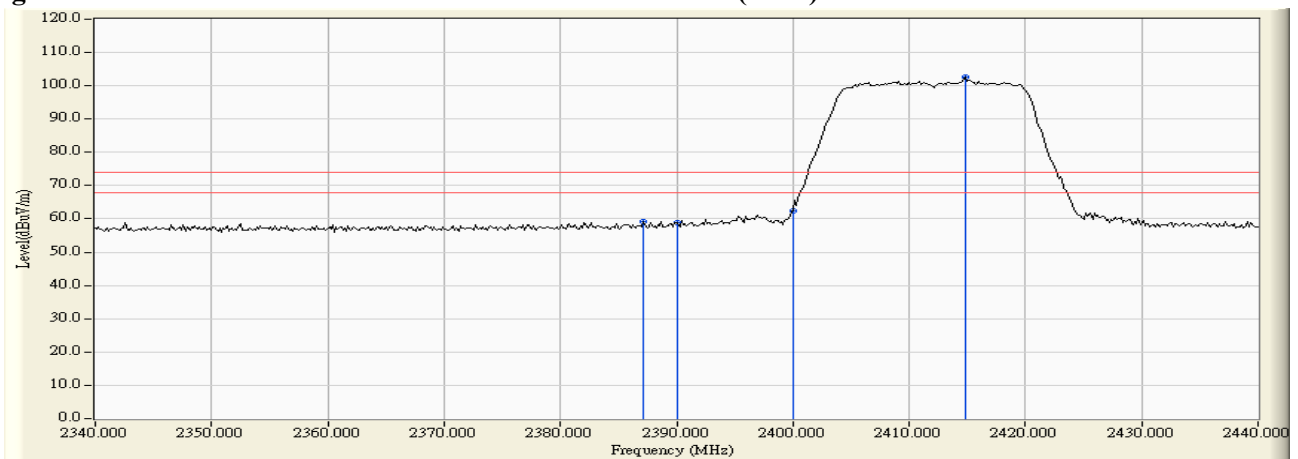
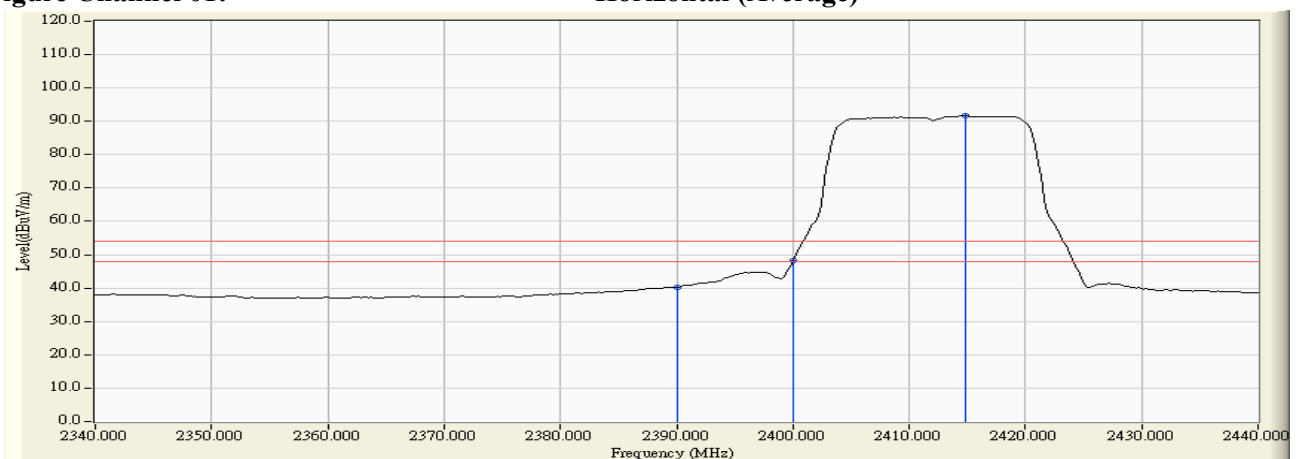
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2387.101	6.462	52.777	59.239	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	52.472	58.947	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	55.845	62.373	74.00	54.00	Pass
01 (Peak)	2414.783	6.623	96.101	102.724	--	--	--
01(Average)	2390.000	30.415	33.762	40.237	74.00	54.00	Pass
01(Average)	2400.000	30.468	41.711	48.239	74.00	54.00	Pass
01(Average)	2414.783	30.563	84.955	91.578	--	--	--

Figure Channel 01: Horizontal (Peak)

Figure Channel 01: Horizontal (Average)


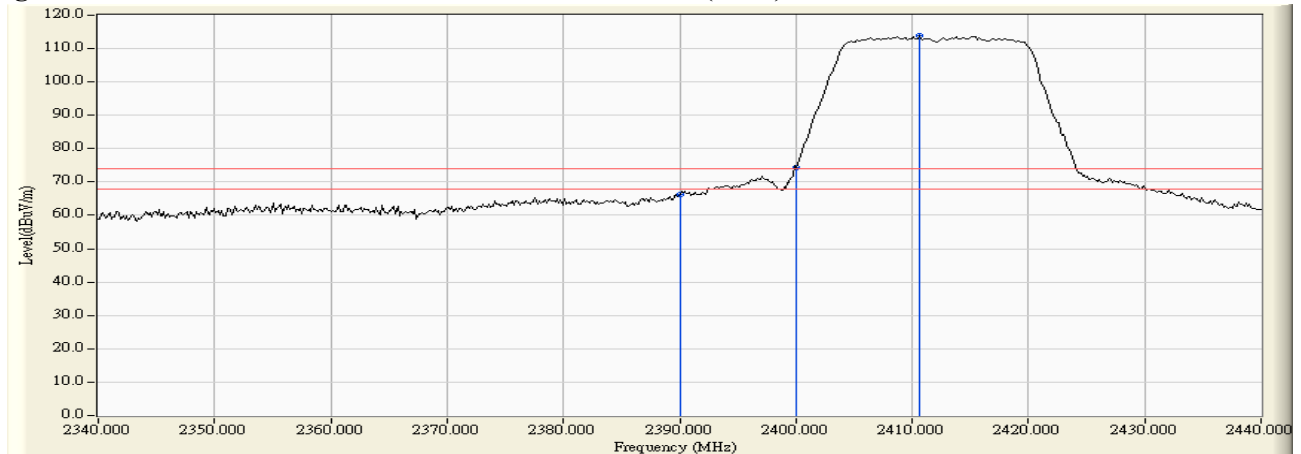
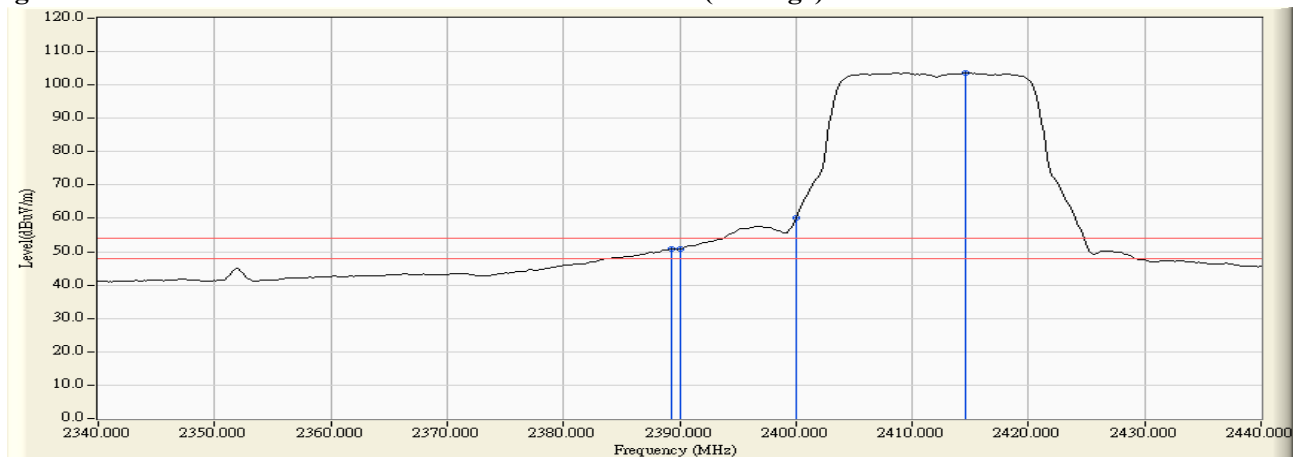
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	5.880	60.295	66.176	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	68.595	74.474	--	--	--
01 (Peak)	2410.580	5.906	107.963	113.869	--	--	--
01 (Average)	2389.275	5.884	44.895	50.779	74.00	54.00	Pass
01 (Average)	2390.000	5.880	44.805	50.686	74.00	54.00	Pass
01 (Average)	2400.000	5.879	54.225	60.104	--	--	--
01 (Average)	2414.638	5.931	97.742	103.672	--	--	--

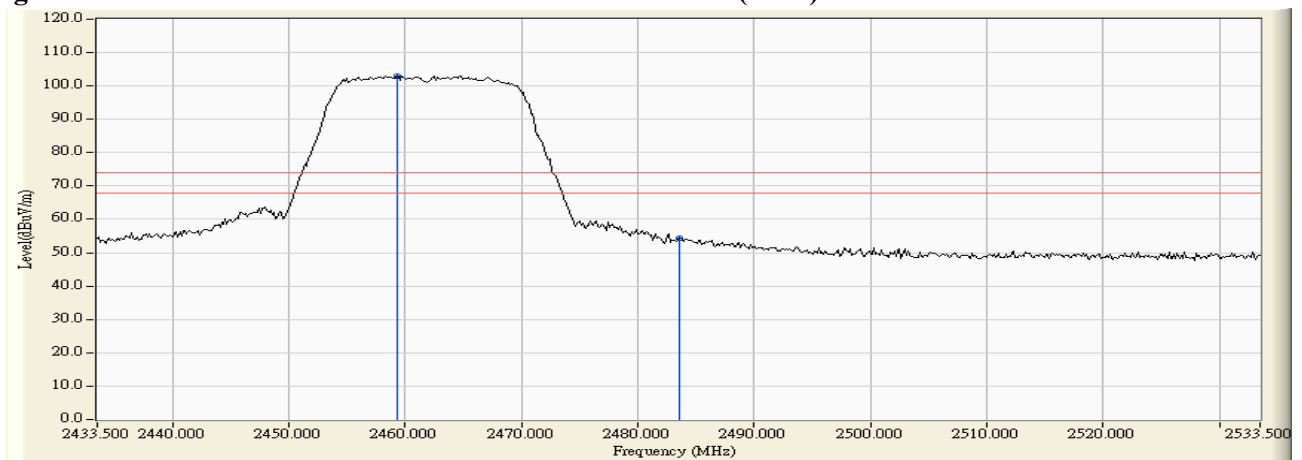
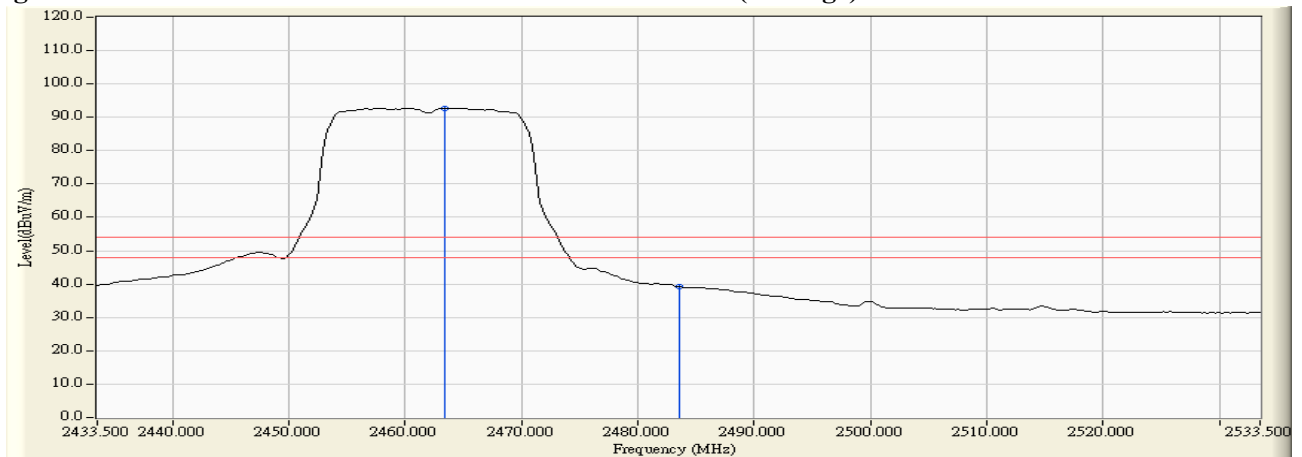
Figure Channel 01:**Vertical (Peak)****Figure Channel 01:****Vertical (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2459.297	6.939	96.074	103.013	--	--	--
11 (Peak)	2483.500	7.110	47.178	54.288	74.00	54.00	Pass
11 (Average)	2463.355	6.968	85.783	92.751	--	--	--
11 (Average)	2483.500	7.110	32.160	39.270	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)


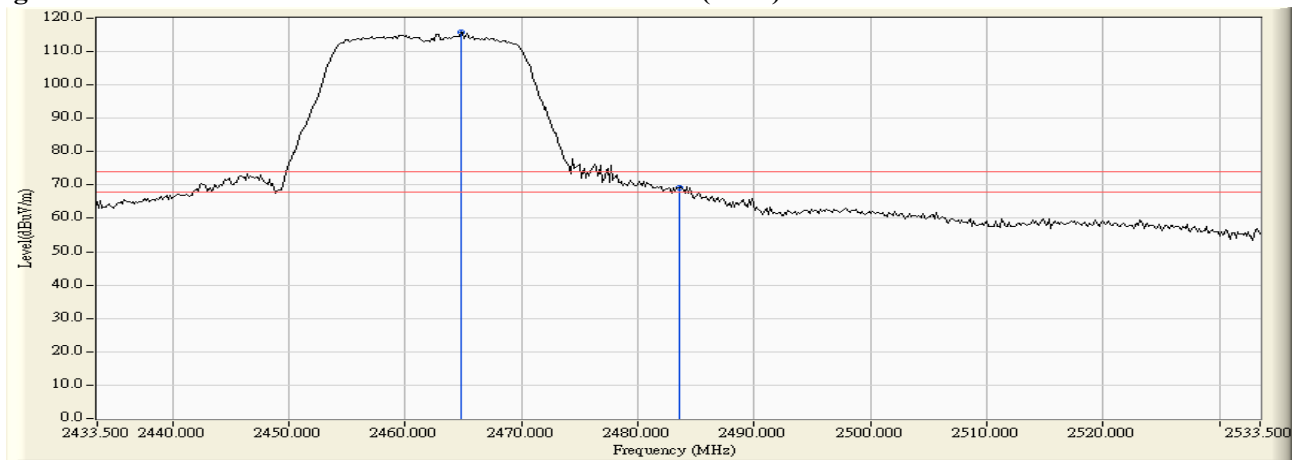
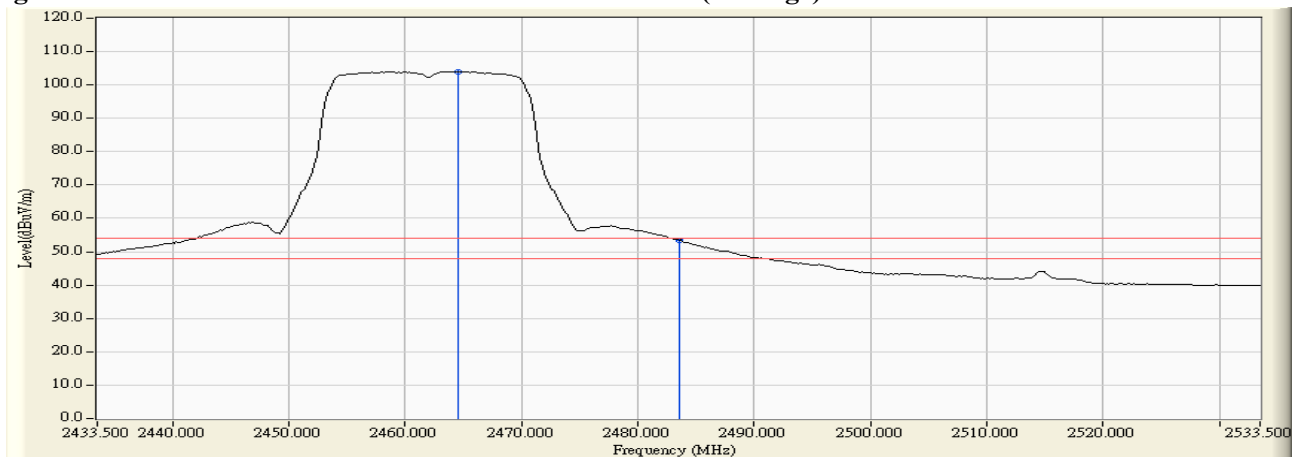
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2464.804	6.247	109.679	115.926	--	--	--
11 (Peak)	2483.500	6.363	62.803	69.166	74.00	54.00	Pass
11 (Average)	2464.514	6.245	97.795	104.040	--	--	--
11 (Average)	2483.500	6.363	47.026	53.389	74.00	54.00	Pass

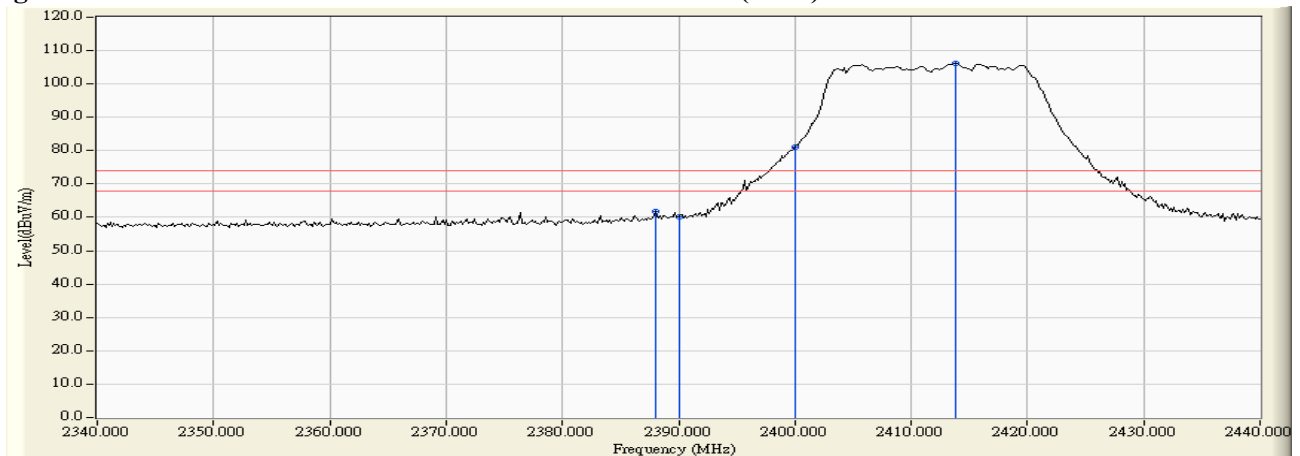
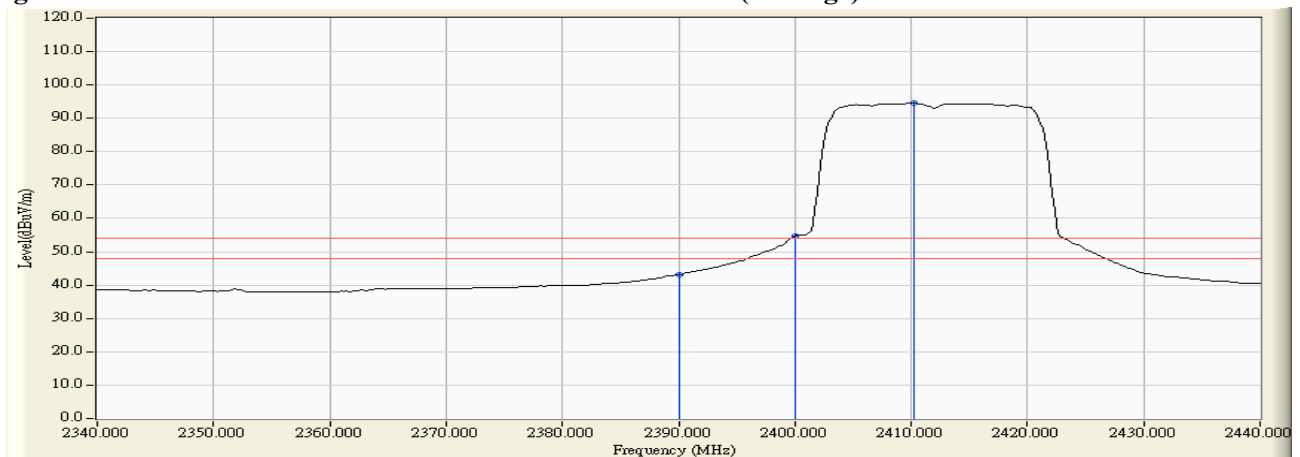
Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2387.971	6.466	55.271	61.737	74.00	54.00	Pass
01 (Peak)	2390.000	6.474	53.600	60.075	74.00	54.00	Pass
01 (Peak)	2400.000	6.528	74.496	81.024	--	--	--
01 (Peak)	2413.768	6.615	99.431	106.046	--	--	--
01 (Average)	2390.000	6.474	36.609	43.084	74.00	54.00	Pass
01 (Average)	2400.000	6.528	48.213	54.741	--	--	--
01 (Average)	2410.290	6.591	87.935	94.526	--	--	--

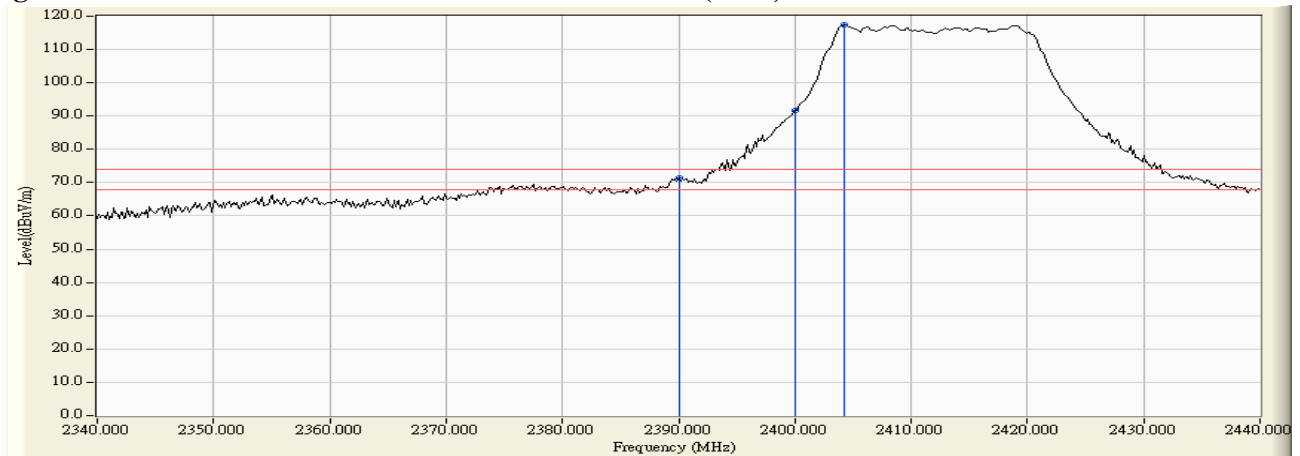
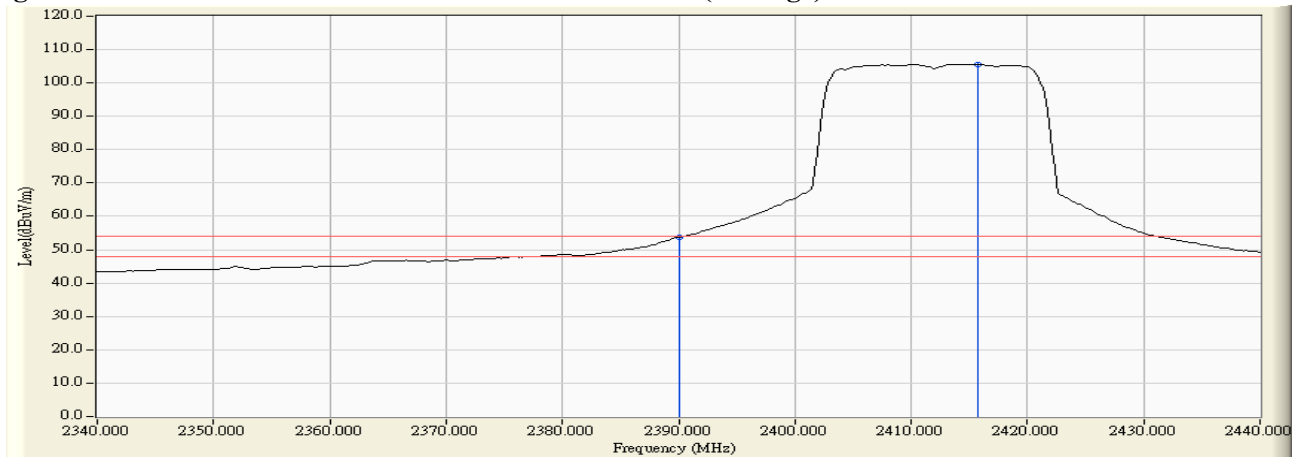
Figure Channel 01:
Horizontal (Peak)

Figure Channel 01:
Horizontal (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	5.880	65.562	71.443	74.00	54.00	Pass
01 (Peak)	2400.000	5.879	85.650	91.529	--	--	--
01 (Peak)	2404.203	5.889	111.504	117.394	--	--	--
01 (Average)	2390.000	5.880	47.885	53.766	74.00	54.00	Pass
01 (Average)	2415.797	5.937	99.630	105.568	--	--	--

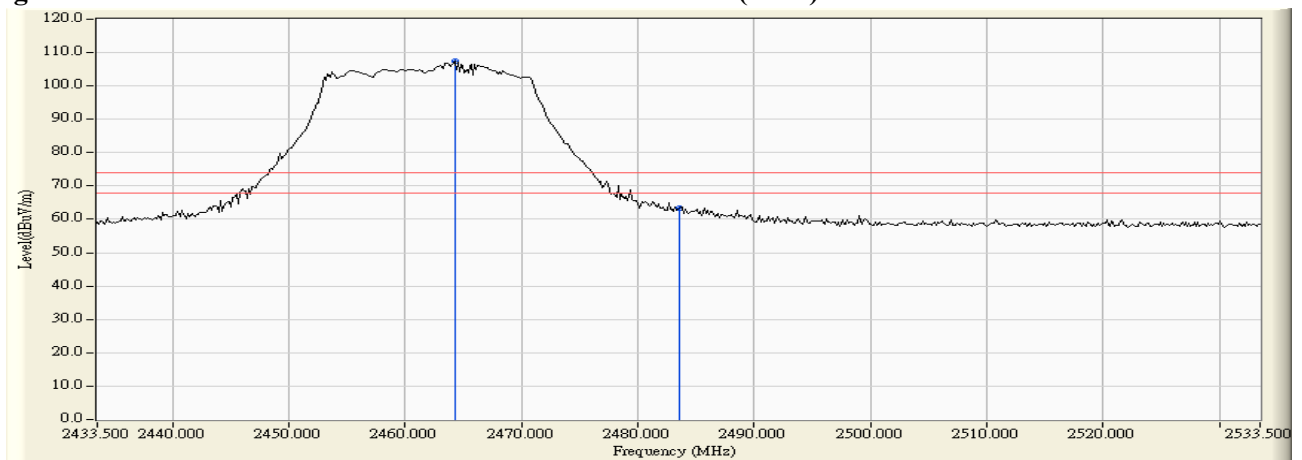
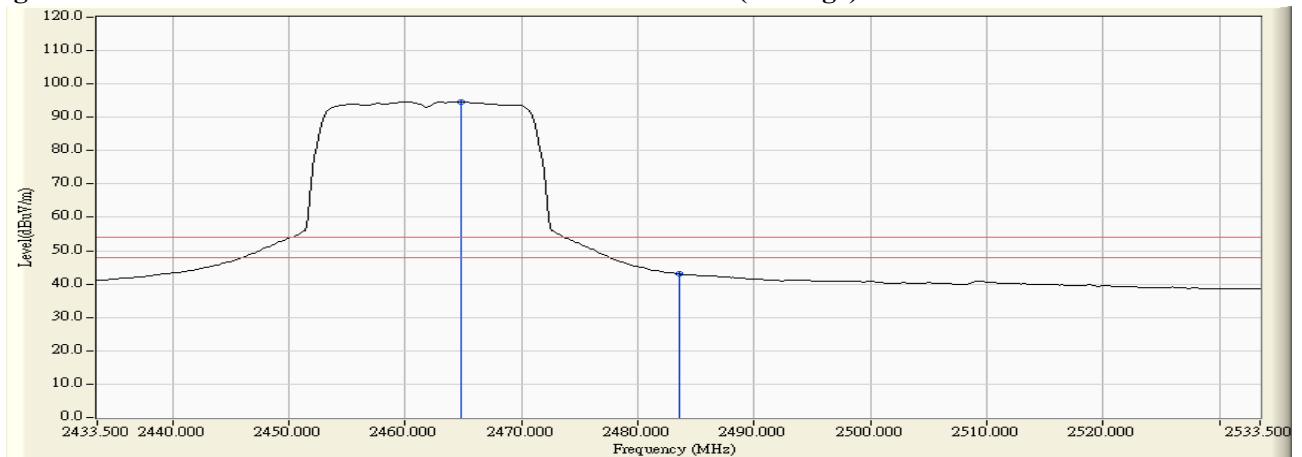
Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2464.225	6.974	100.350	107.324	--	--	--
11 (Peak)	2483.500	7.110	56.424	63.534	74.00	54.00	Pass
11 (Average)	2464.804	6.978	87.697	94.675	--	--	--
11 (Average)	2483.500	7.110	35.873	42.983	74.00	54.00	Pass

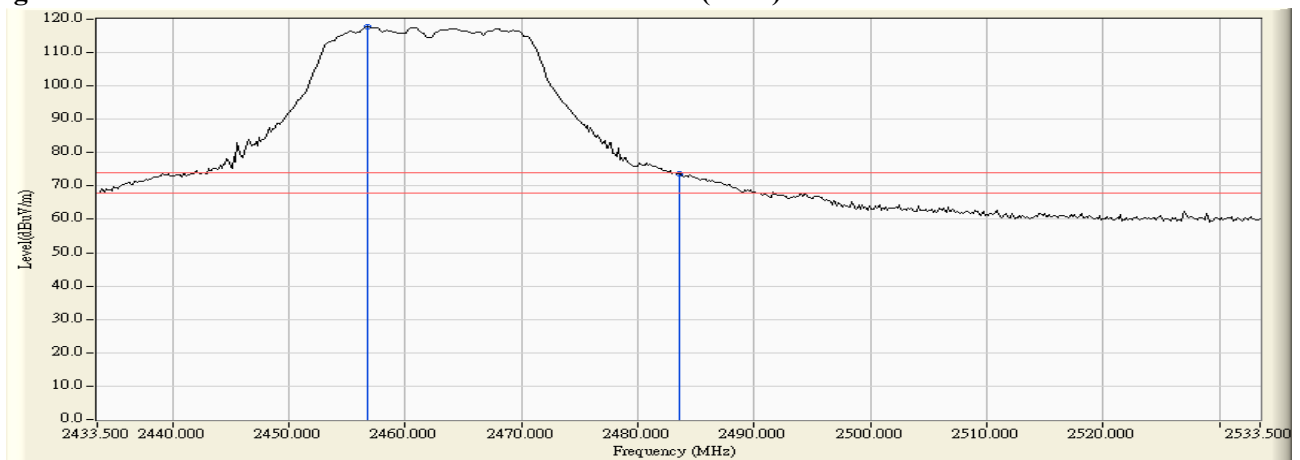
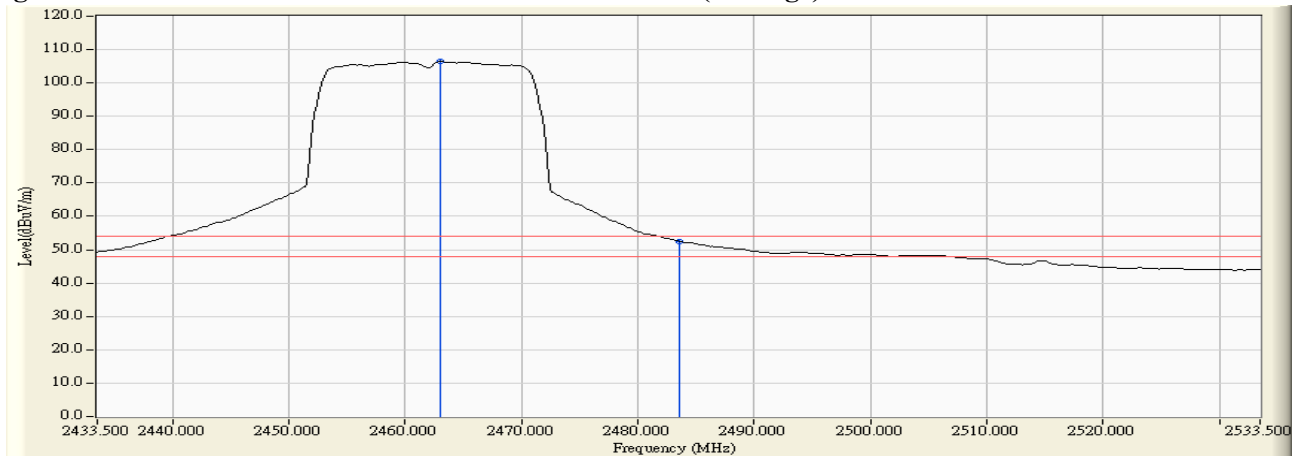
Figure Channel 11: Horizontal (Peak)**Figure Channel 11: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : MOXA IEEE 802.11b/g/n 4*4 module
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test Date : 2018/03/13
 Test Mode : Mode 3: Transmit (802.11n-20BW_28.8Mbps) (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2456.688	6.195	111.463	117.658	--	--	--
11 (Peak)	2483.500	6.363	67.326	73.689	74.00	54.00	Pass
11 (Average)	2463.065	6.236	100.158	106.394	--	--	--
11 (Average)	2483.500	6.363	46.181	52.544	74.00	54.00	Pass

Figure Channel 11:
Vertical (Peak)

Figure Channel 11:
Vertical (Average)

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.