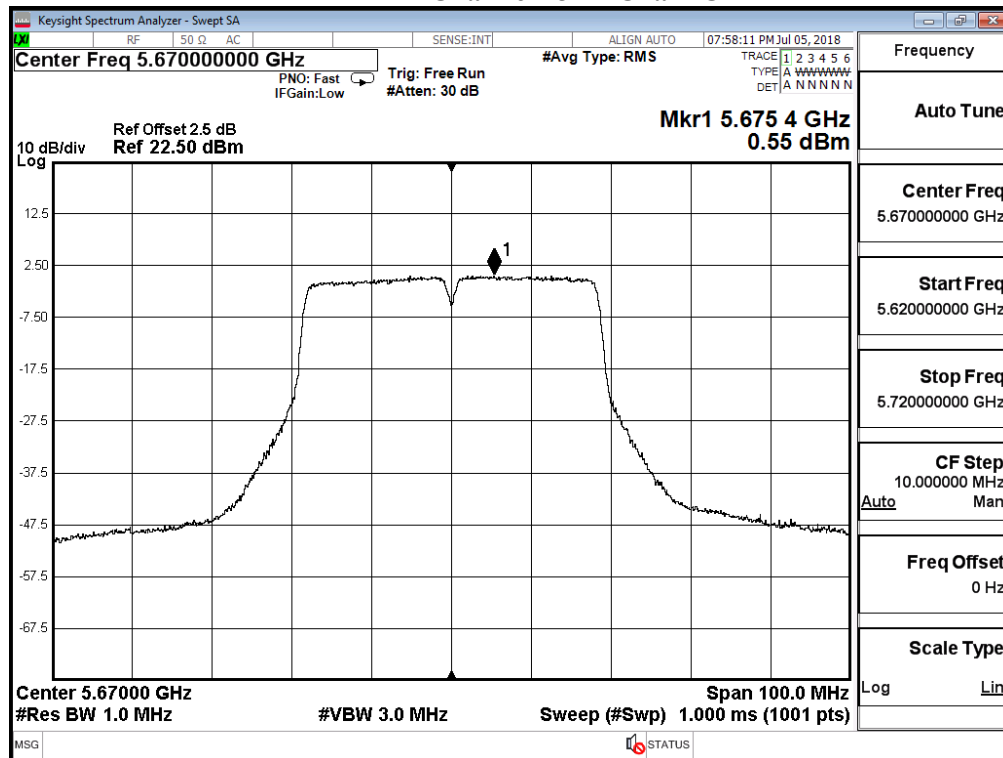
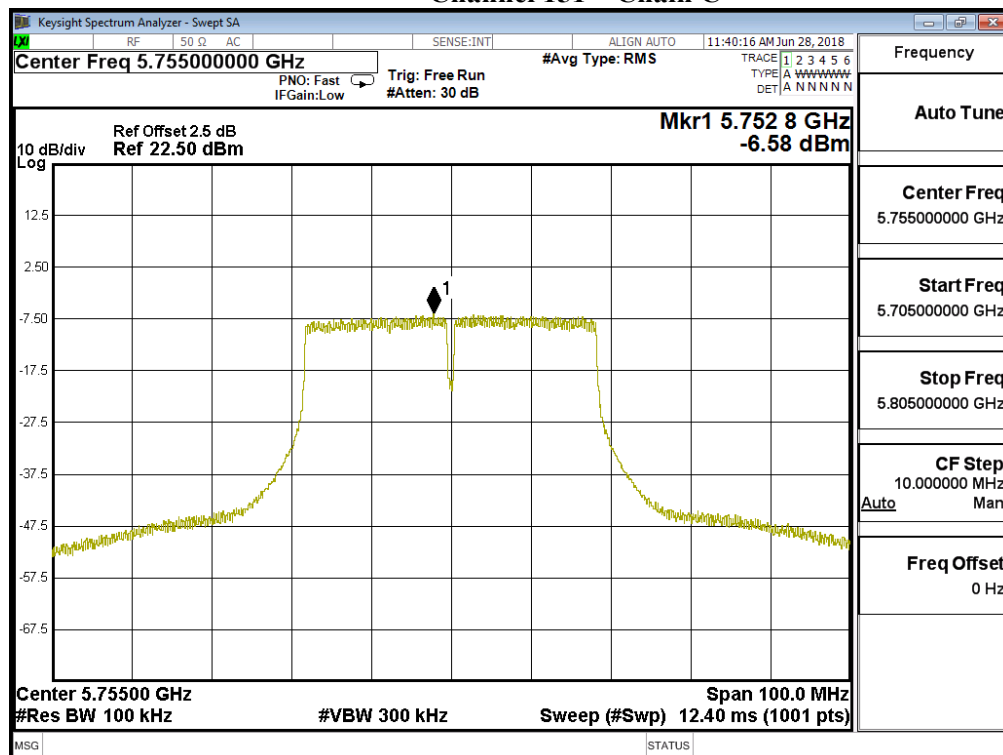


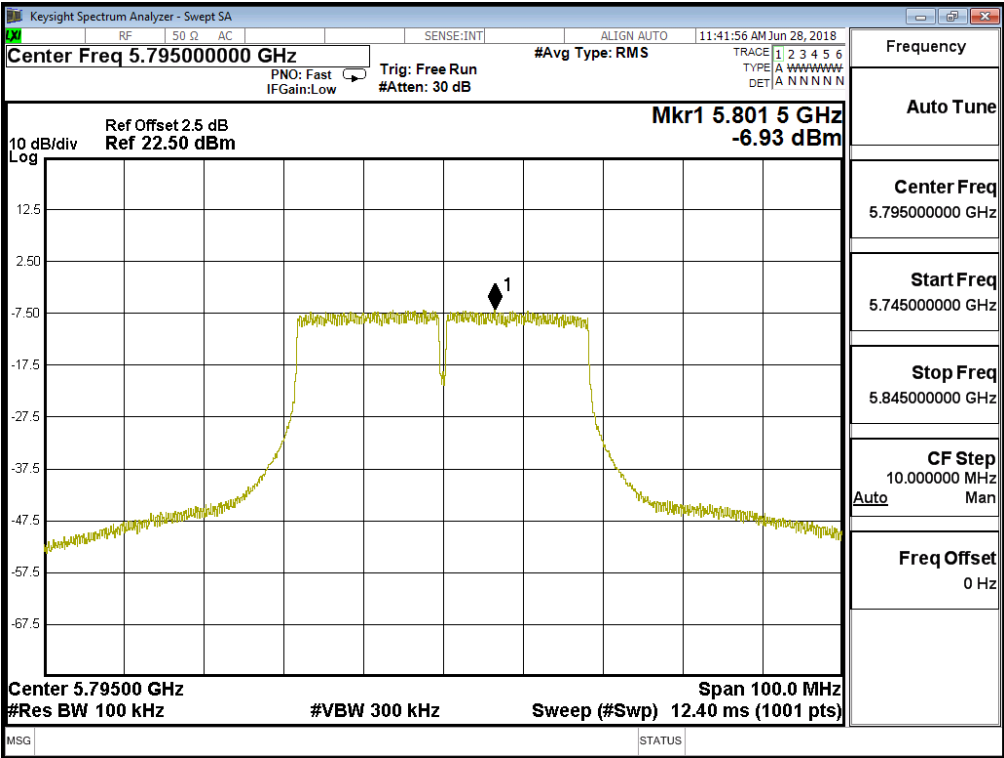
Channel 134 – Chain C



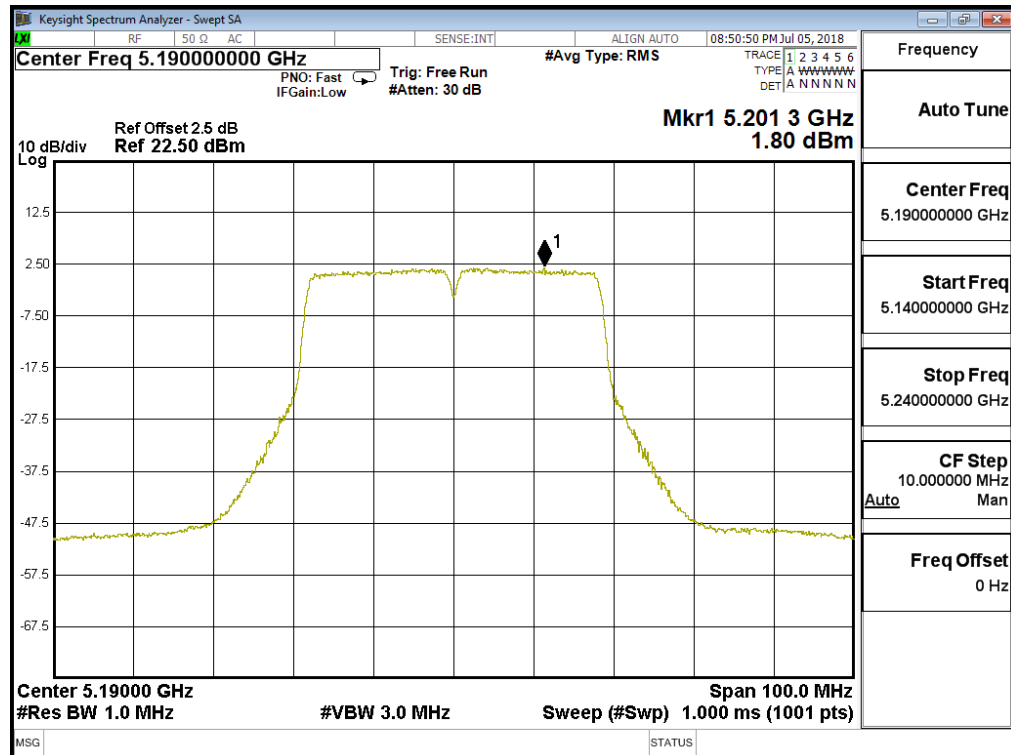
Channel 151 – Chain C



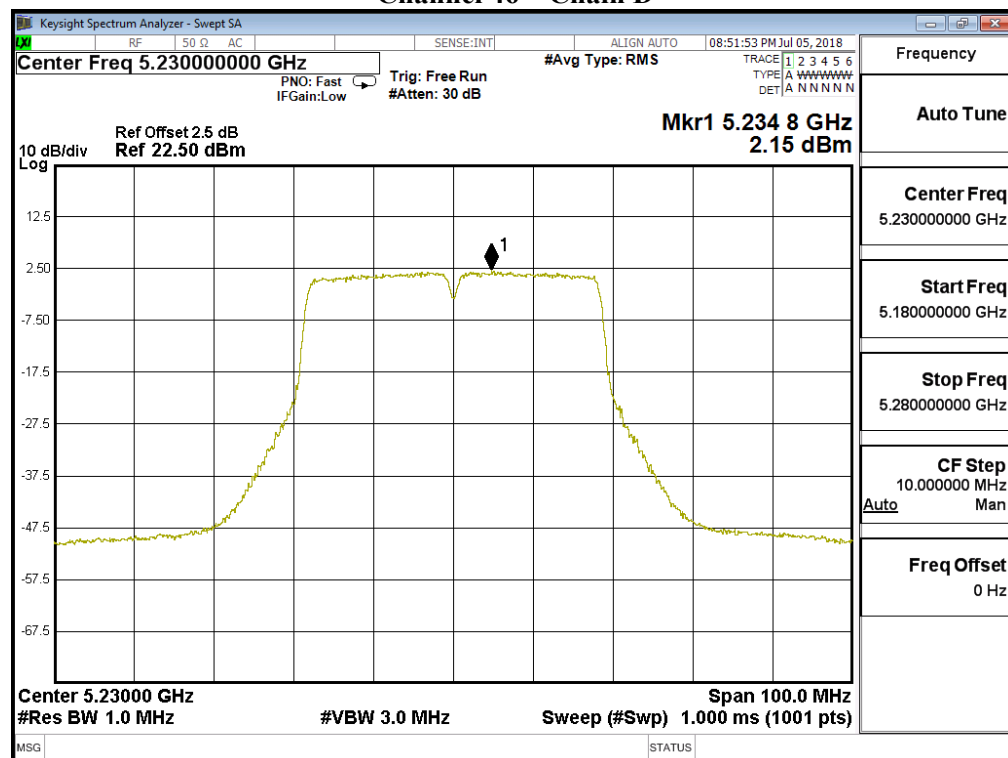
Channel 159 – Chain C



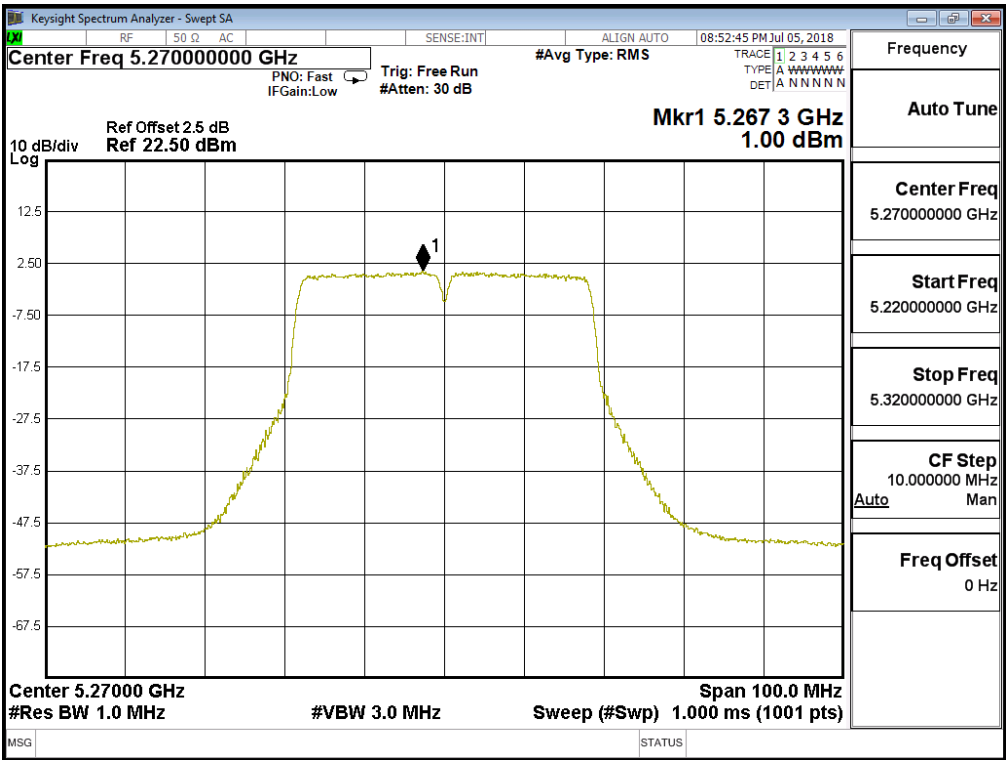
Channel 38 – Chain D



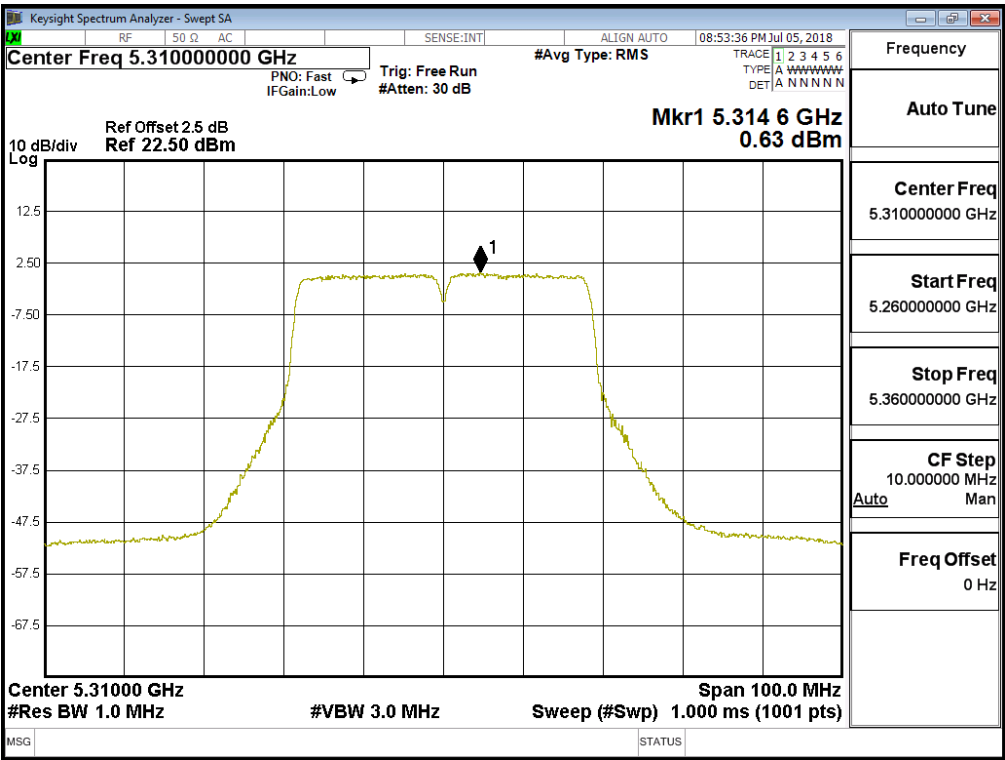
Channel 46 – Chain D



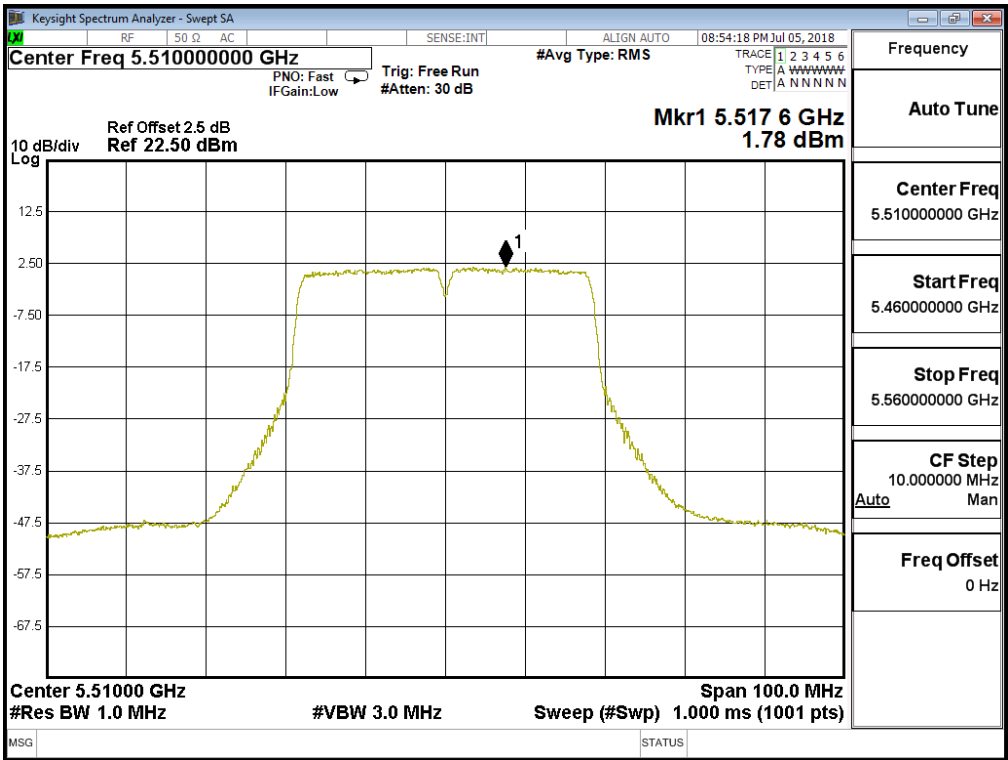
Channel 54 – Chain D



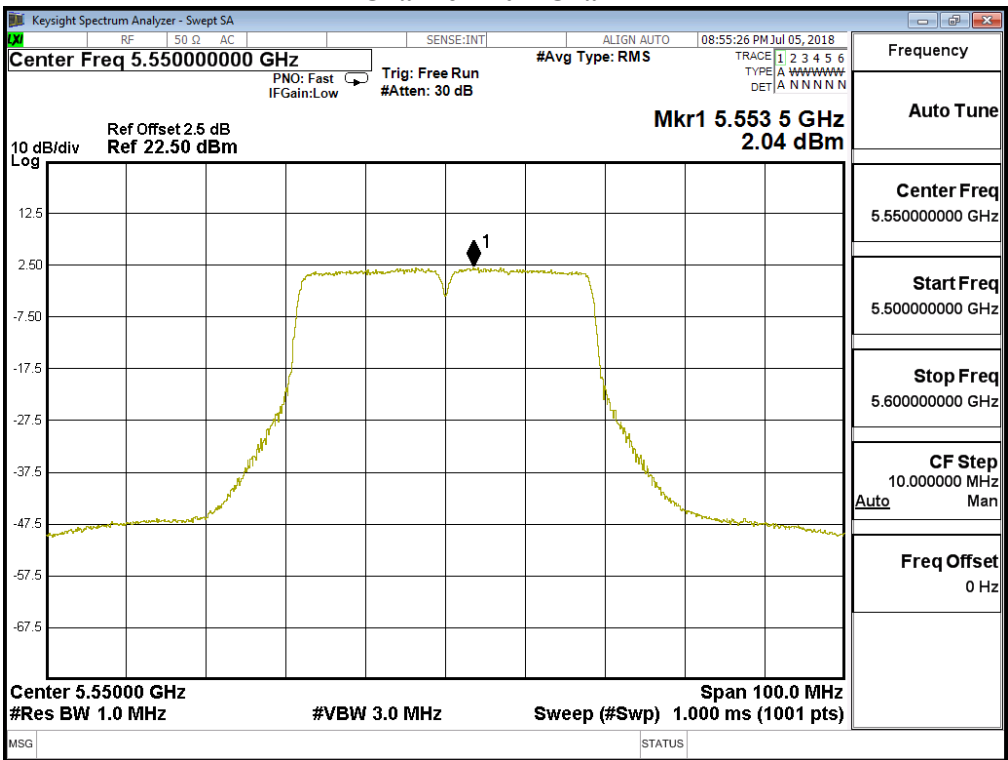
Channel 62 – Chain D



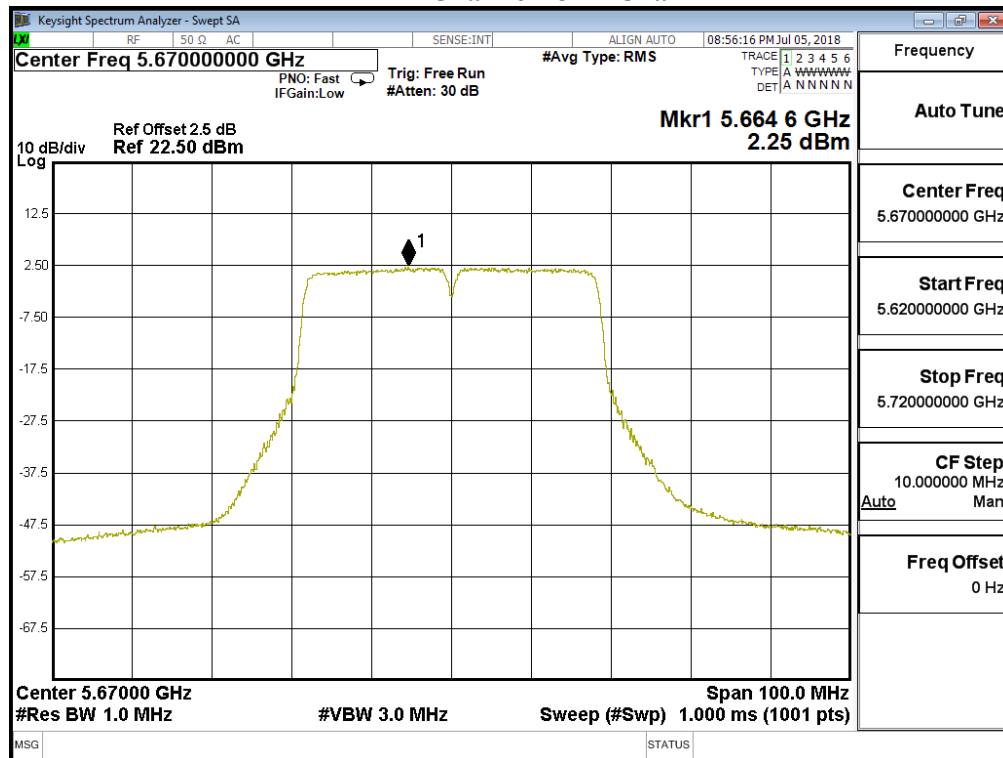
Channel 102 – Chain D



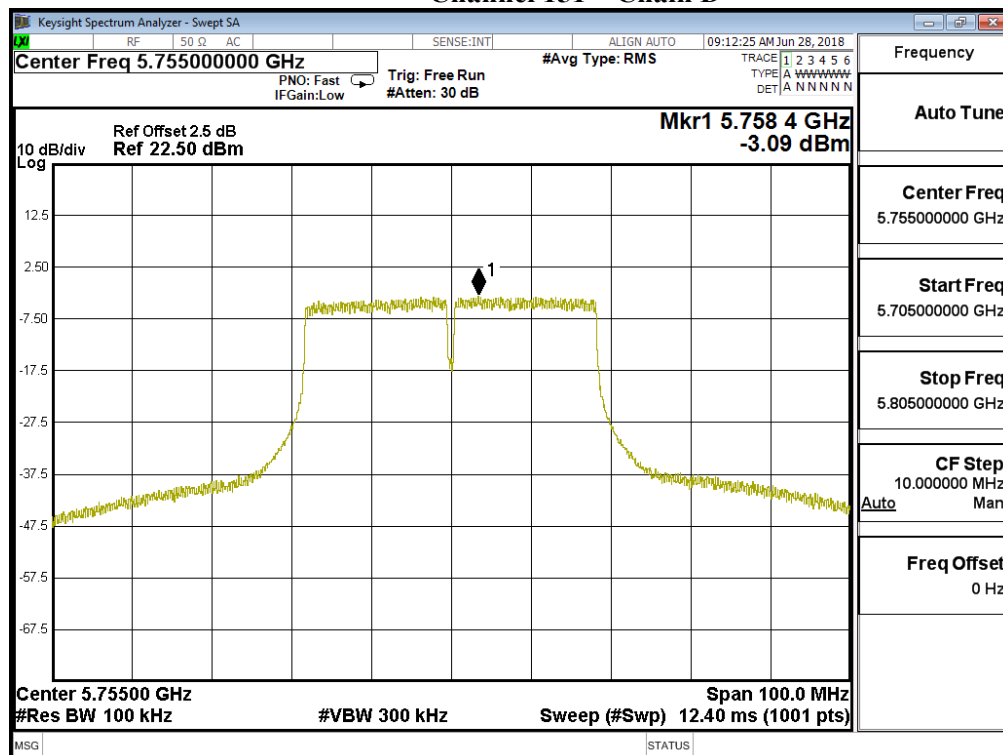
Channel 110 – Chain D



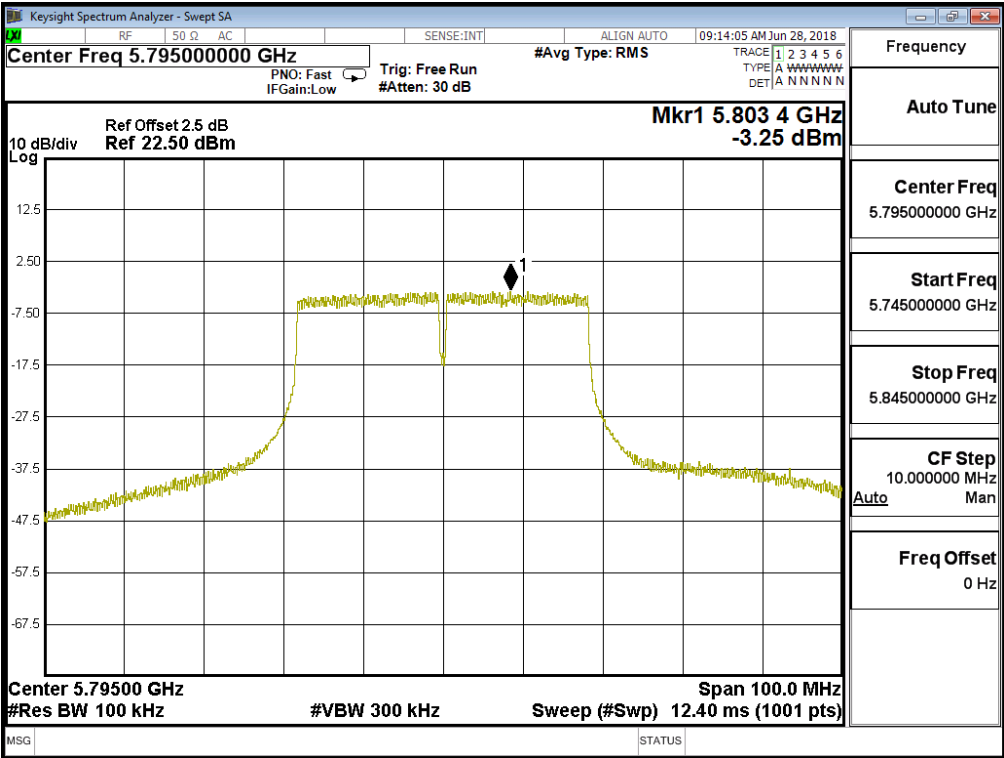
Channel 134 – Chain D



Channel 151 – Chain D



Channel 159 – Chain D

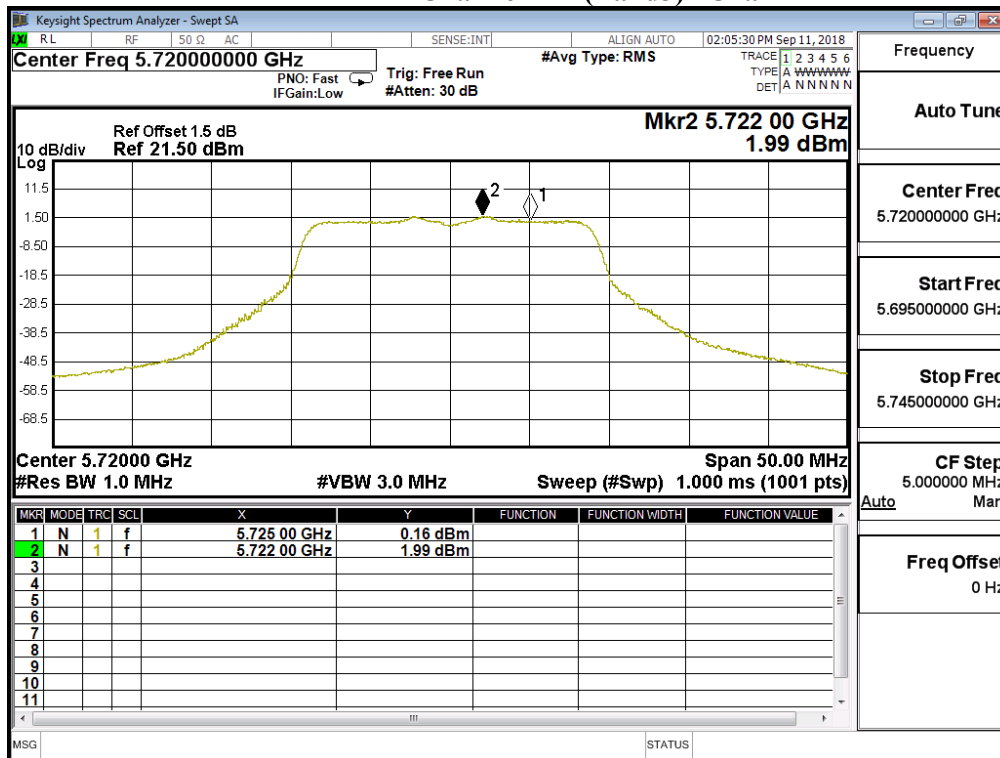


Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Date : 2018/08/11
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (Antenna No.19)

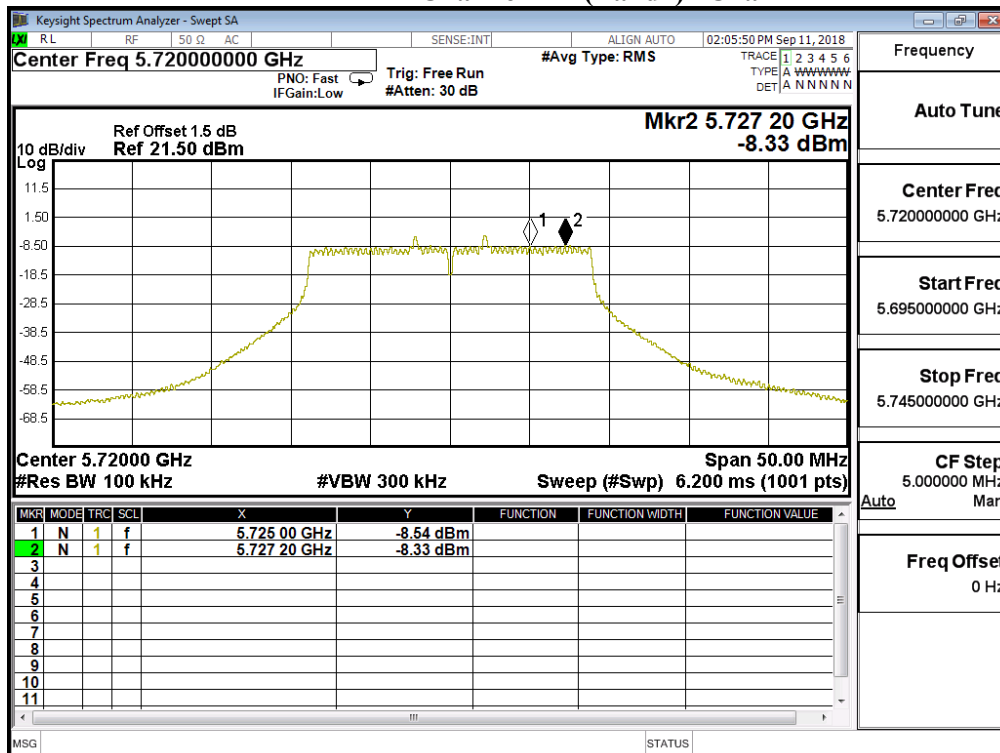
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PSD (dBm) ¹	Required Limit (dBm)	Result
144	5720(Band3)	A	1.990	--	8.010	<8.5	Pass
		B	2.150	--	8.170	<8.5	Pass
		C	2.190	--	8.210	<8.5	Pass
		D	2.040	--	8.060	<8.5	Pass
144	5720(Band4)	A	-8.330	6.98	4.670	<27.5	Pass
		B	-8.550	6.98	4.450	<27.5	Pass
		C	-8.140	6.98	4.860	<27.5	Pass
		D	-8.380	6.98	4.620	<27.5	Pass

Note 1: The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

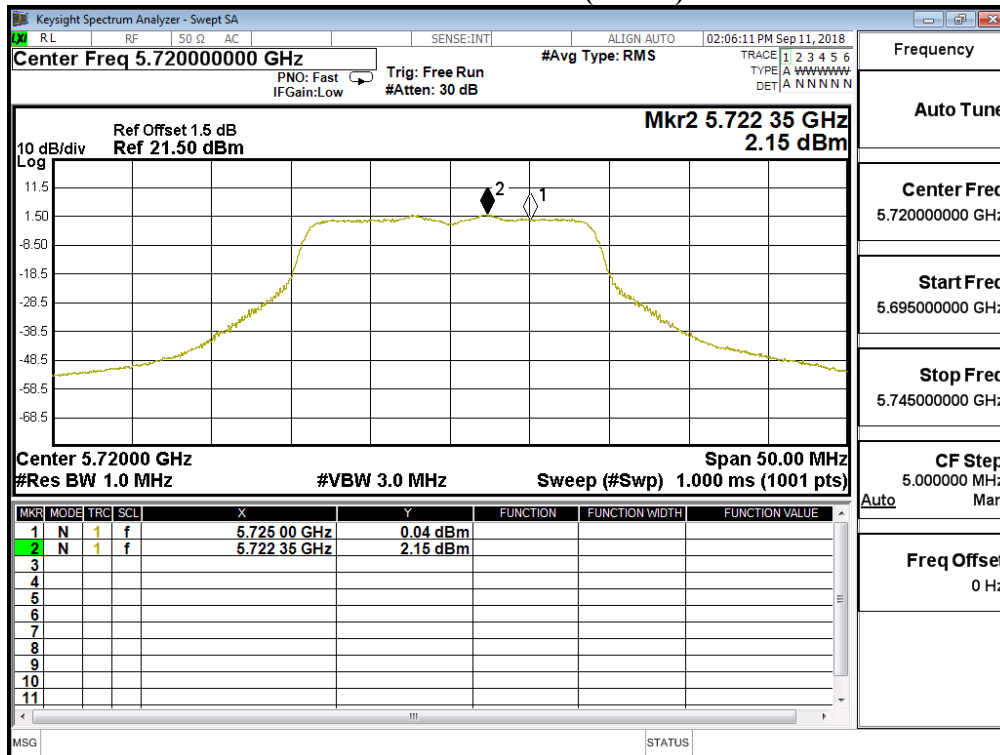
Channel 144 (Band3)– Chain A



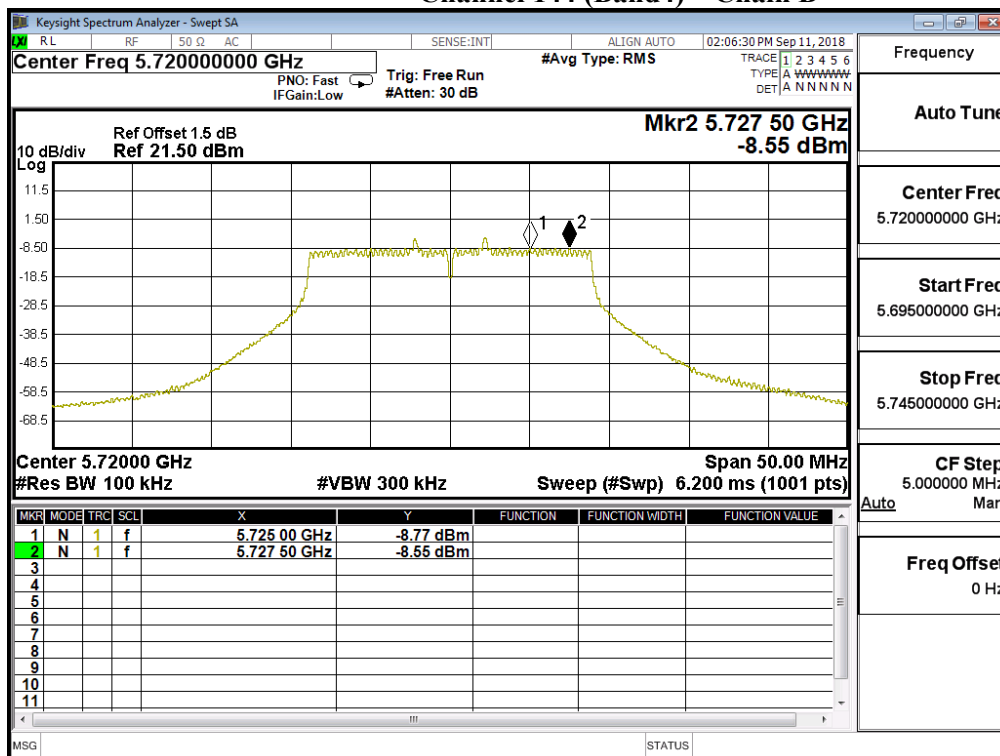
Channel 144 (Band4)– Chain A



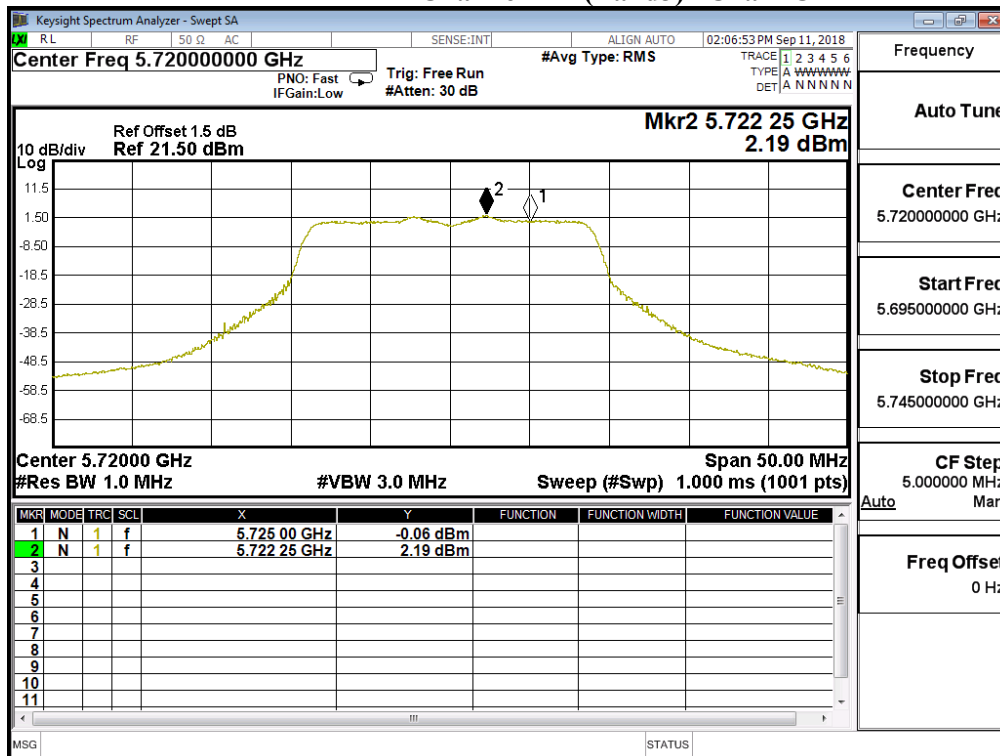
Channel 144 (Band3) – Chain B



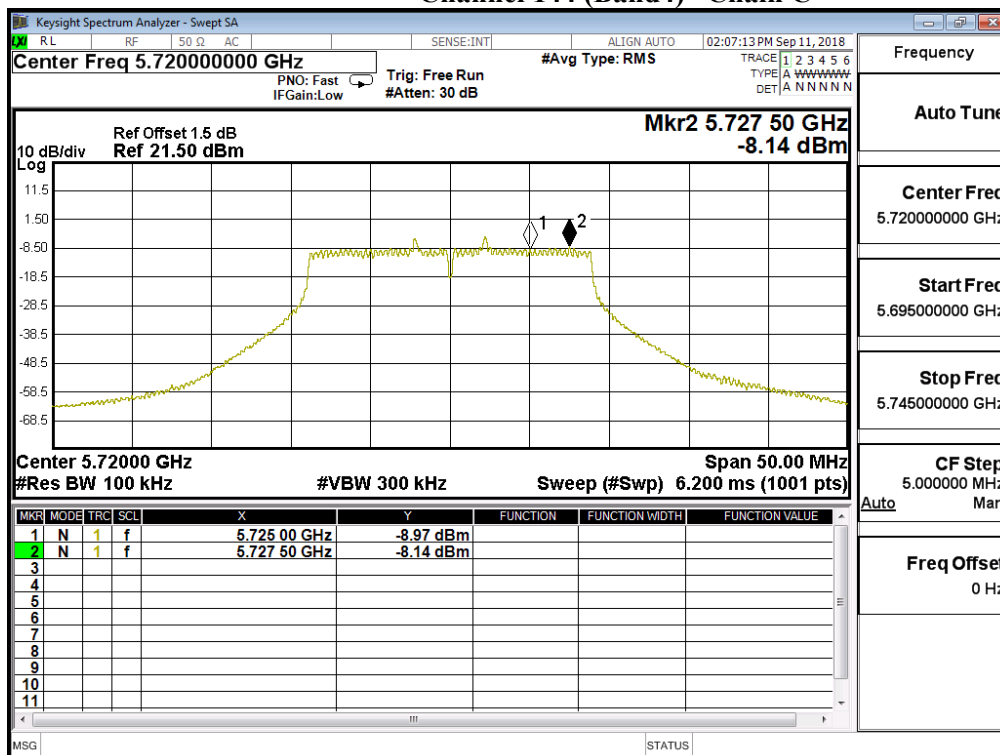
Channel 144 (Band4) – Chain B



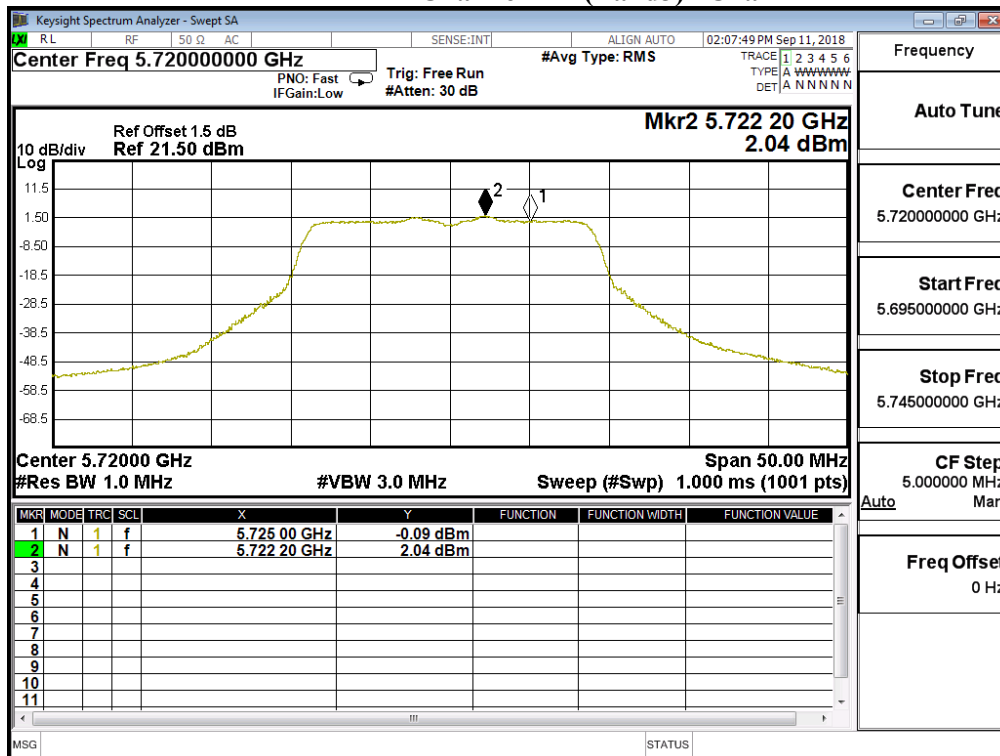
Channel 144 (Band3)– Chain C



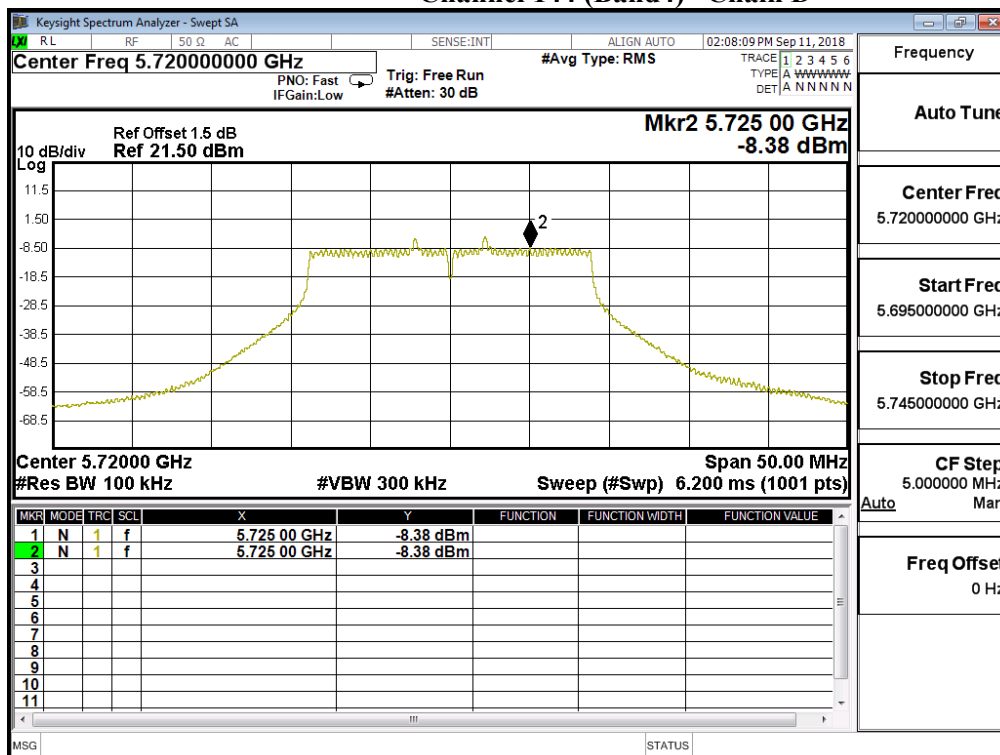
Channel 144 (Band4)– Chain C



Channel 144 (Band3)– Chain D



Channel 144 (Band4)– Chain D

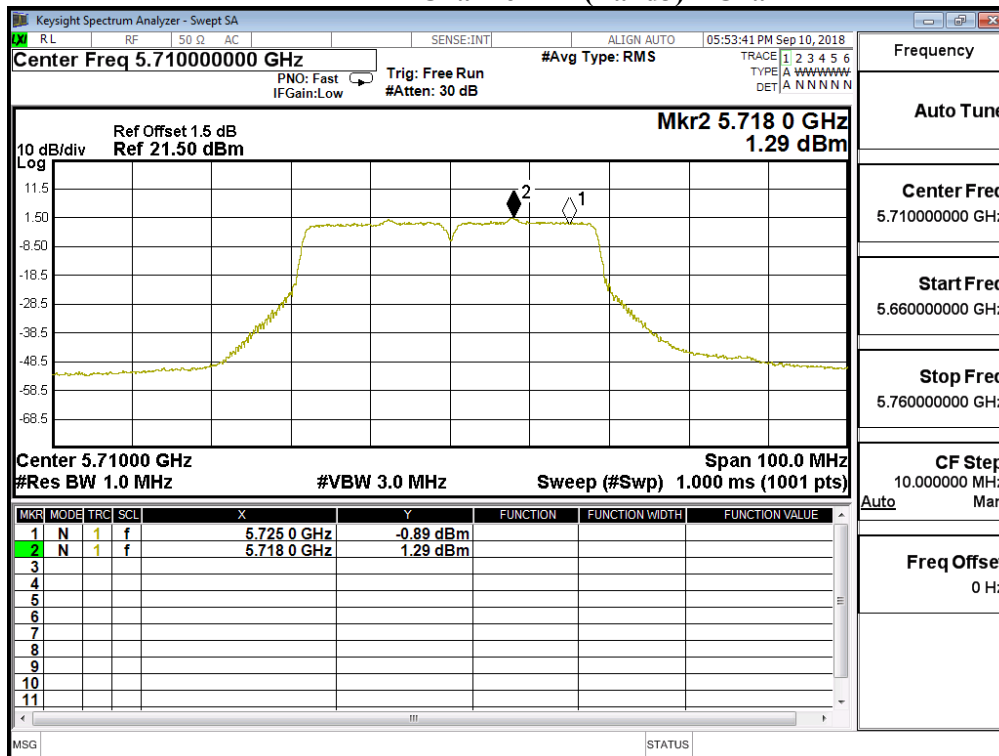


Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Date : 2018/08/11
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (Antenna No.19)

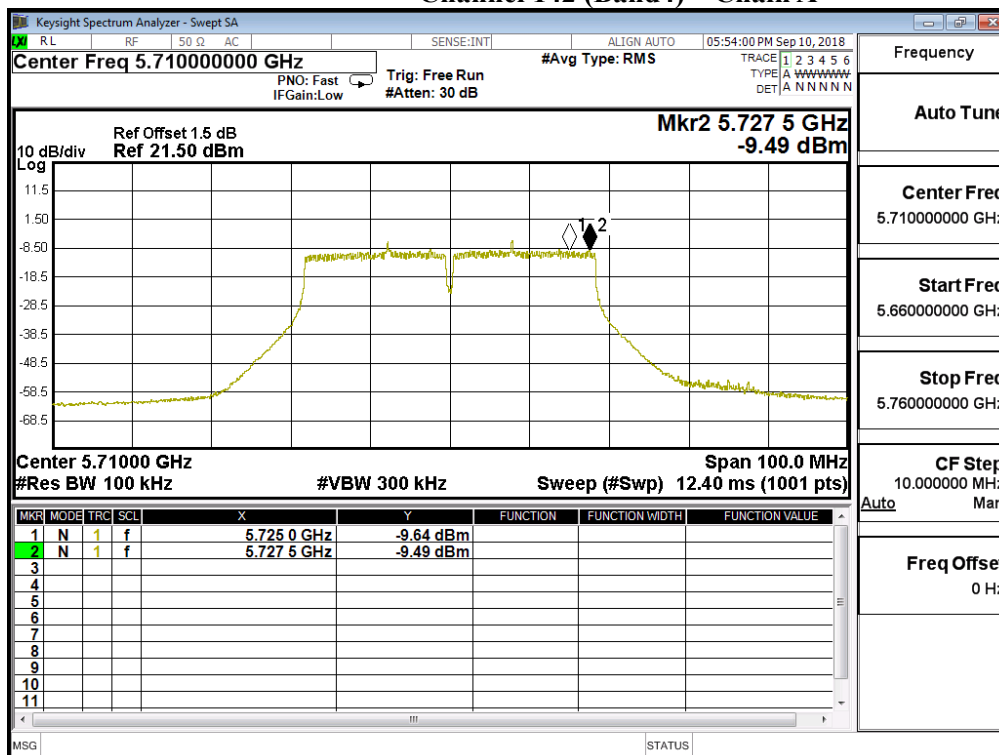
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PSD (dBm)1	Required Limit (dBm)	Result
142	5710(Band3)	A	1.290	--	7.310	<8.5	Pass
		B	1.170	--	7.190	<8.5	Pass
		C	1.200	--	7.220	<8.5	Pass
		D	1.380	--	7.400	<8.5	Pass
142	5710(Band4)	A	-9.490	6.98	3.510	<27.5	Pass
		B	-8.960	6.98	4.040	<27.5	Pass
		C	-9.470	6.98	3.530	<27.5	Pass
		D	-9.240	6.98	3.760	<27.5	Pass

Note 1: The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

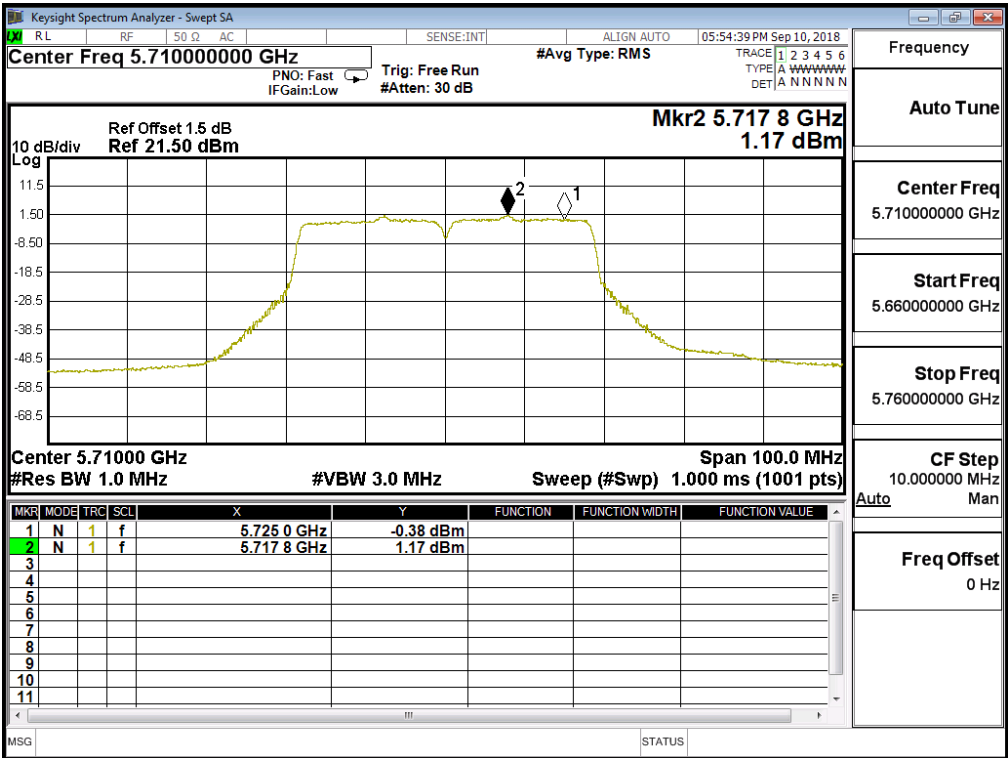
Channel 142 (Band3) – Chain A



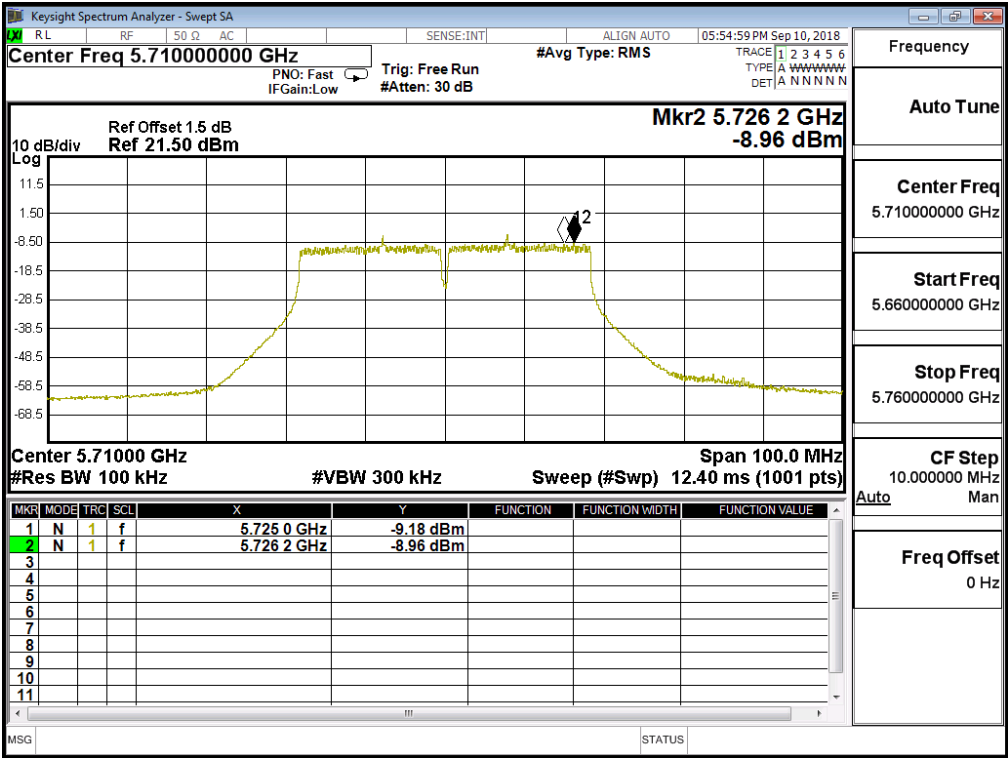
Channel 142 (Band4) – Chain A



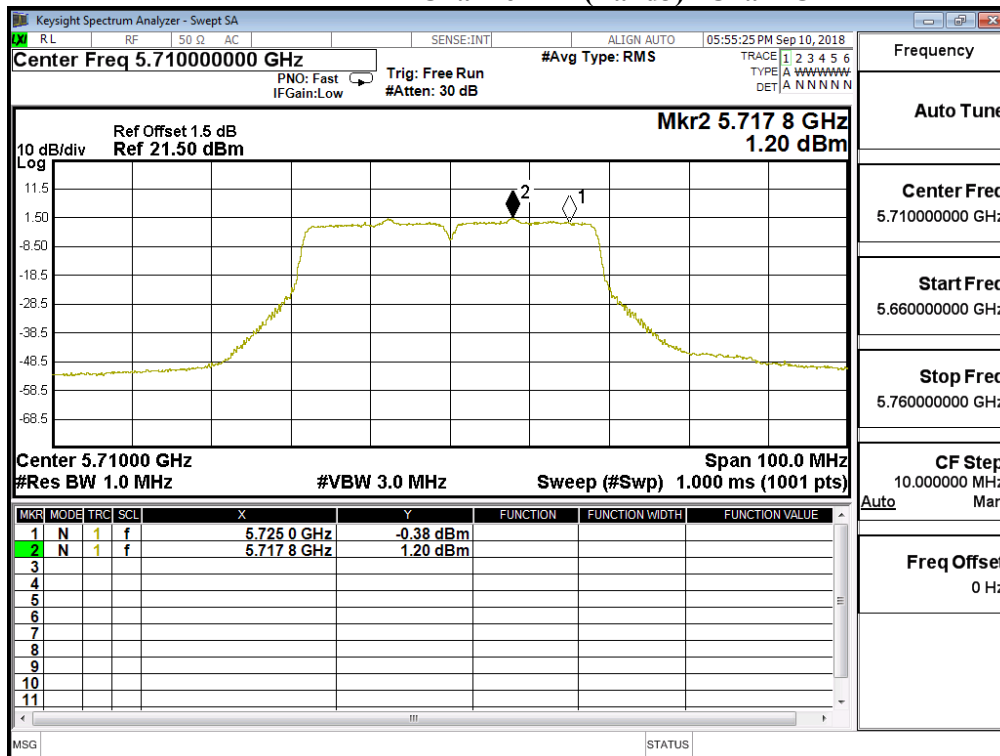
Channel 142 (Band3) – Chain B



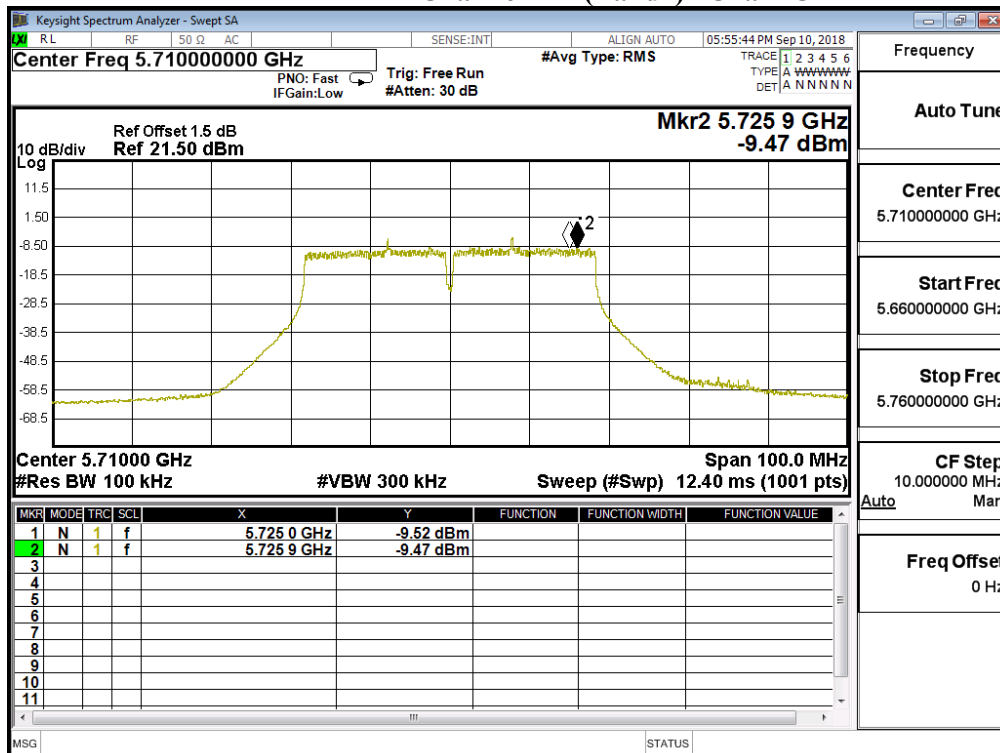
Channel 142 (Band4) – Chain B



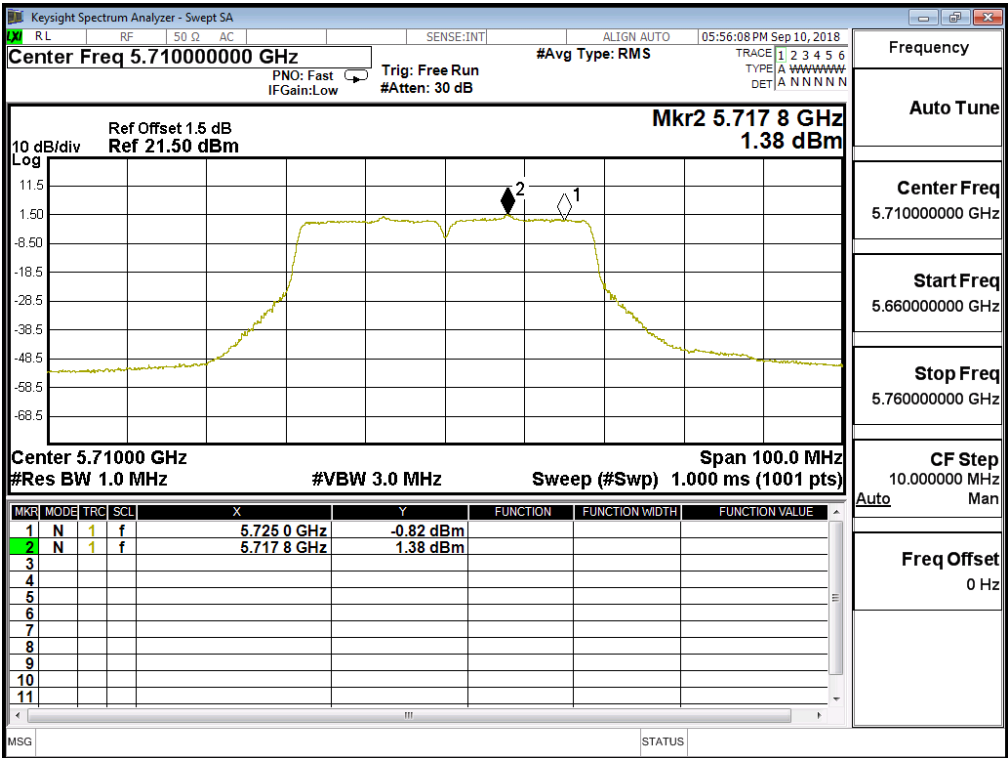
Channel 142 (Band3)– Chain C



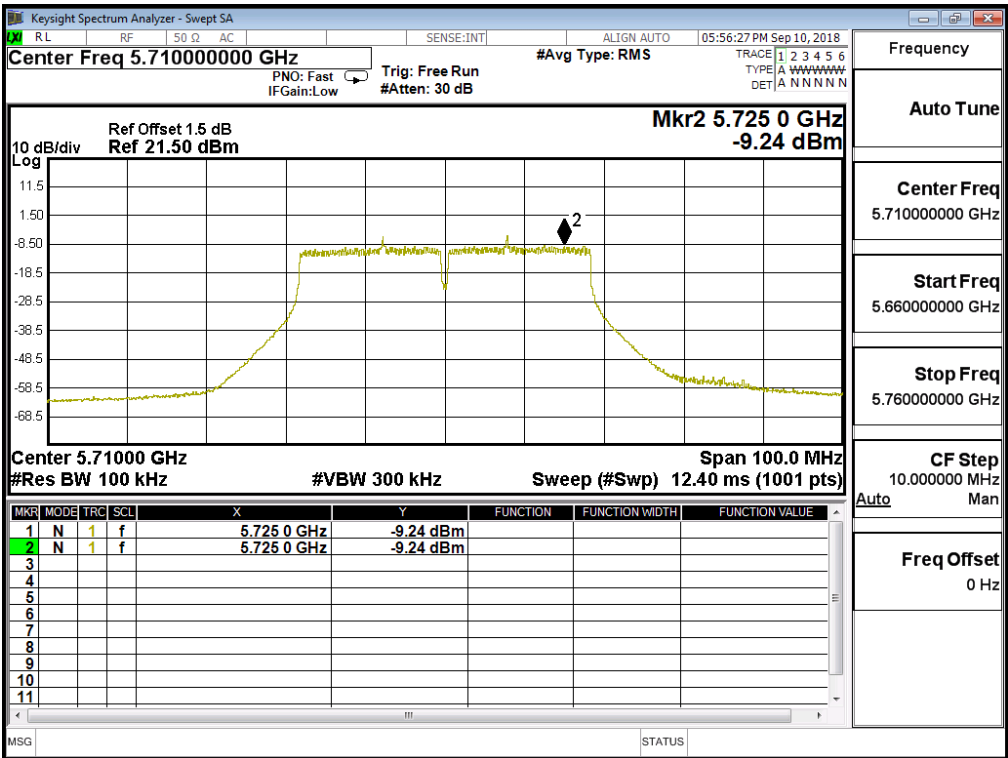
Channel 142 (Band4)– Chain C



Channel 142 (Band3) – Chain D



Channel 142 (Band4) – Chain D



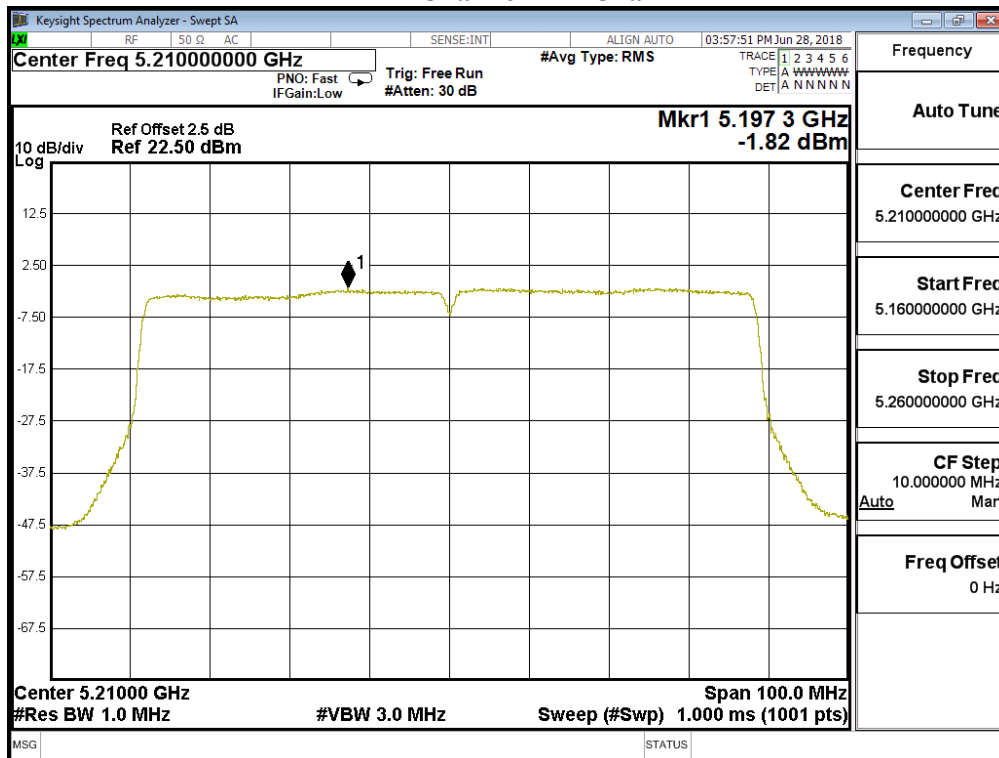
Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Date : 2018/06/14
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (Antenna No.19)

Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	Total PSD (dBm)	Required Limit (dBm)	Result
42	5210	A	-1.820	4.200	<8.5	Pass
		B	-2.720	3.300	<8.5	Pass
		C	-2.370	3.650	<8.5	Pass
		D	-1.750	4.270	<8.5	Pass
58	5290	A	-3.640	2.380	<8.5	Pass
		B	-3.840	2.180	<8.5	Pass
		C	-3.270	2.750	<8.5	Pass
		D	-3.420	2.600	<8.5	Pass
106	5530	A	-4.020	2.000	<8.5	Pass
		B	-5.400	0.620	<8.5	Pass
		C	-4.770	1.250	<8.5	Pass
		D	-2.130	3.890	<8.5	Pass
122	5610	A	-3.270	2.750	<8.5	Pass
		B	-4.500	1.520	<8.5	Pass
		C	-4.480	1.540	<8.5	Pass
		D	-0.960	5.060	<8.5	Pass
138	5690 (Band3)	A	-3.210	2.810	<8.5	Pass
		B	-0.330	5.690	<8.5	Pass
		C	-1.310	4.710	<8.5	Pass
		D	-1.380	4.640	<8.5	Pass

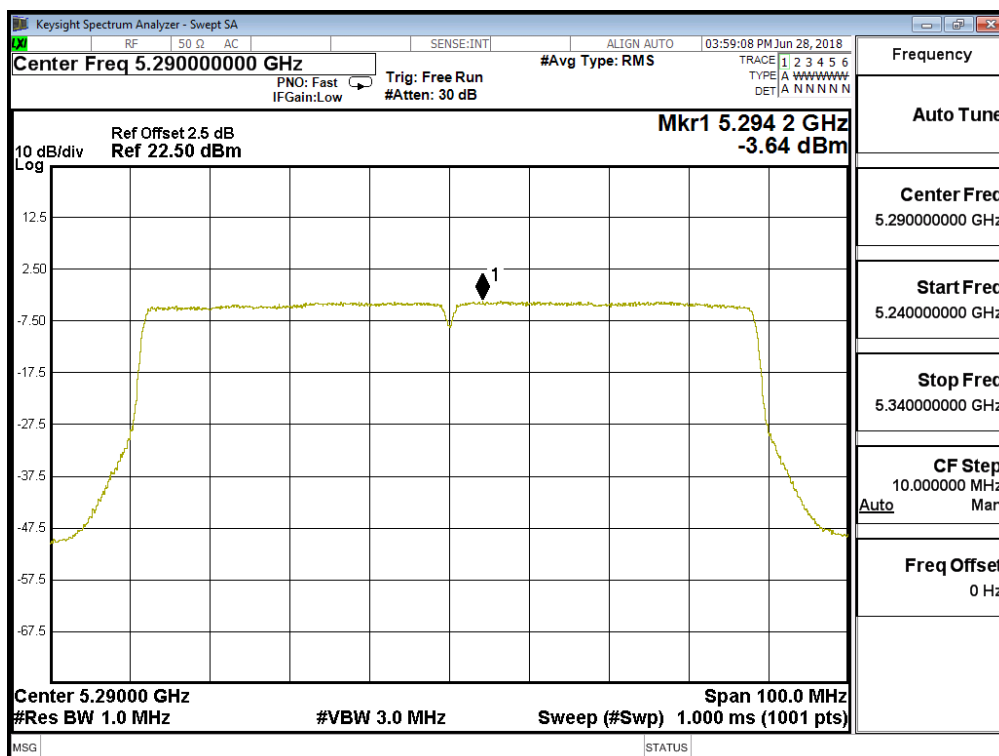
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PSD (dBm) ₁	Required Limit (dBm)	Result
138	5690 (Band4)	A	-12.800	6.98	0.200	<27.5	Pass
		B	-9.780	6.98	3.220	<27.5	Pass
		C	-11.360	6.98	1.640	<27.5	Pass
		D	-10.930	6.98	2.070	<27.5	Pass
155	5775	A	-9.490	6.98	3.510	<27.5	Pass
		B	-9.090	6.98	3.910	<27.5	Pass
		C	-10.480	6.98	2.520	<27.5	Pass
		D	-7.000	6.98	6.000	<27.5	Pass

Note 1: The quantity $10 \cdot \log 4$ (four antennas) is added to the spectrum peak value according to document 662911 D01.

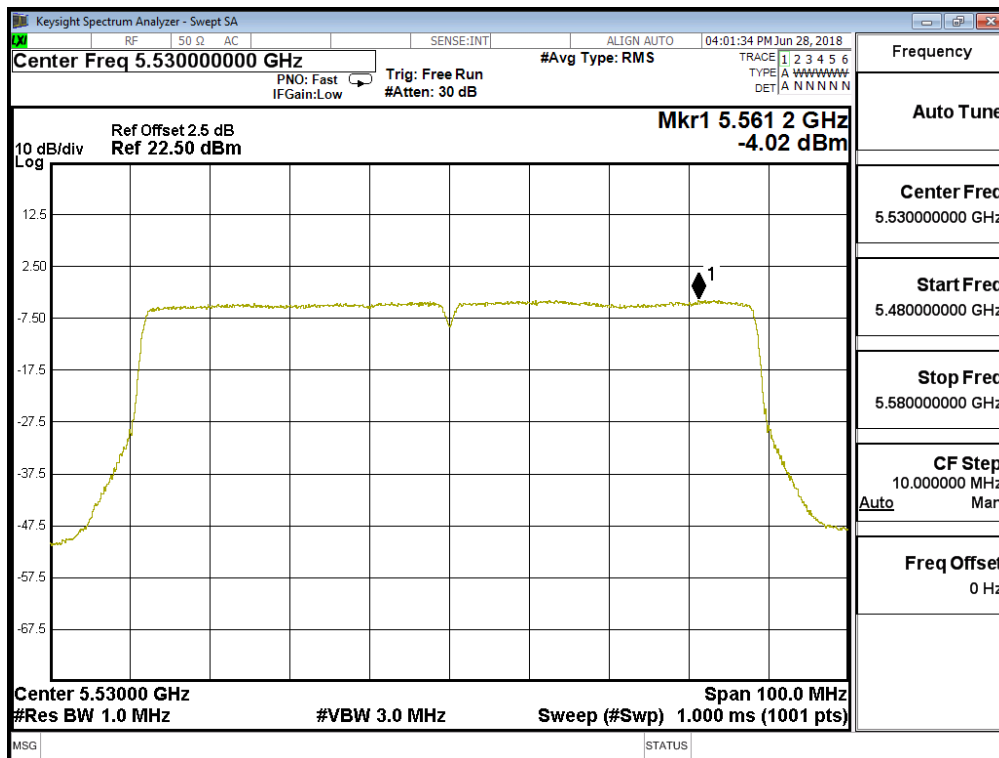
Channel 42 – Chain A



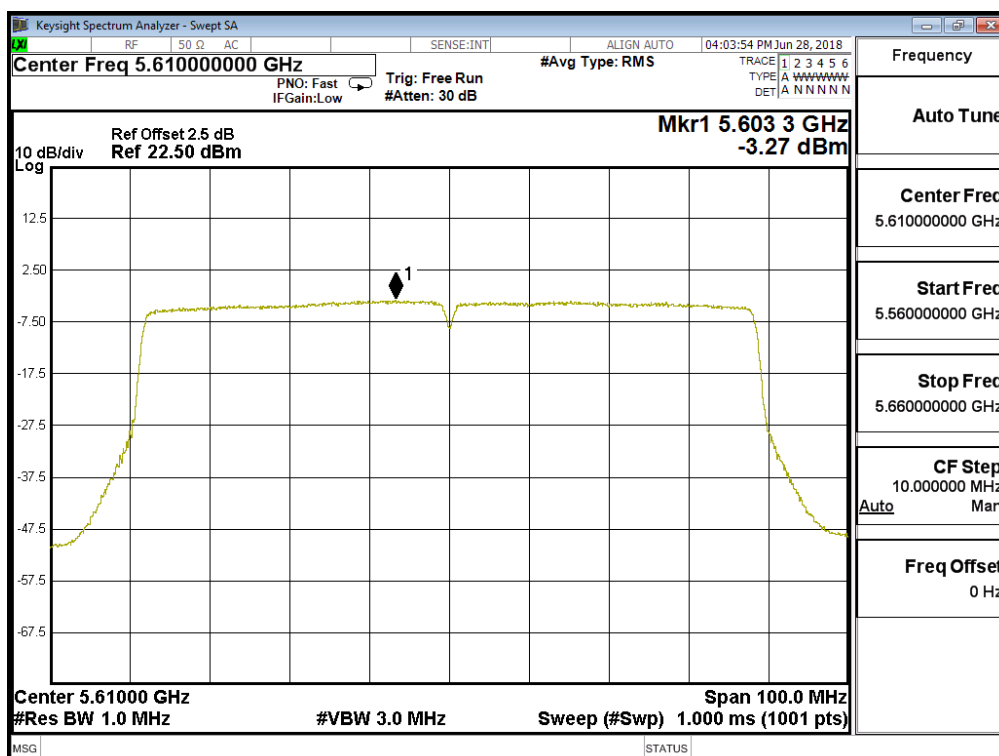
Channel 58 – Chain A



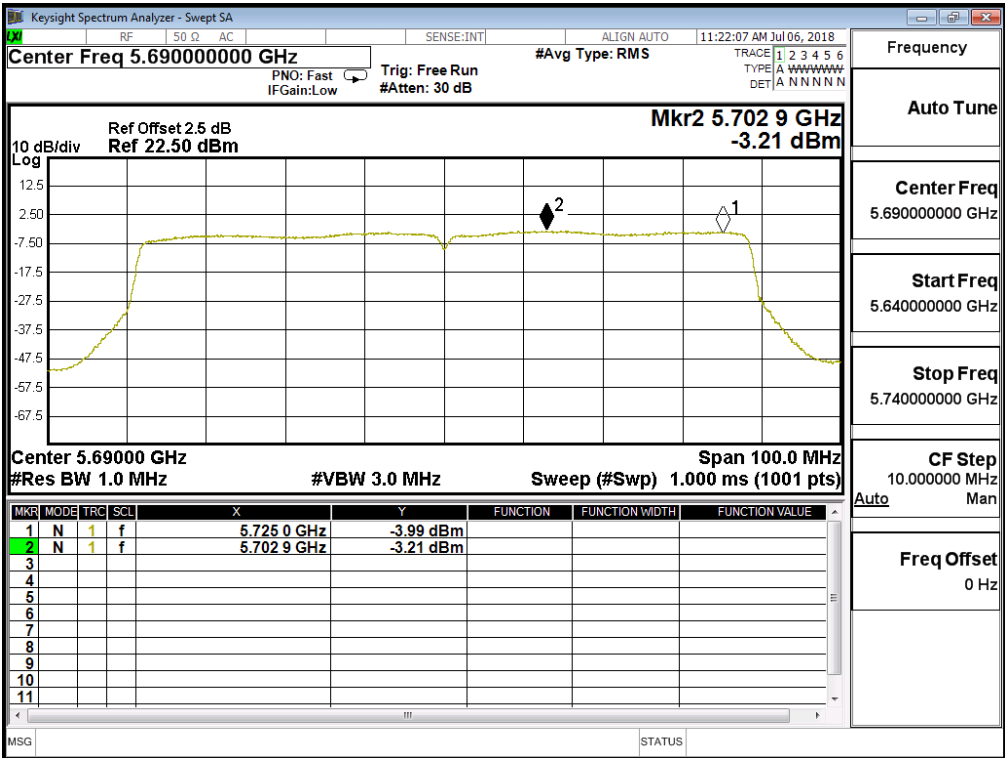
Channel 106 – Chain A



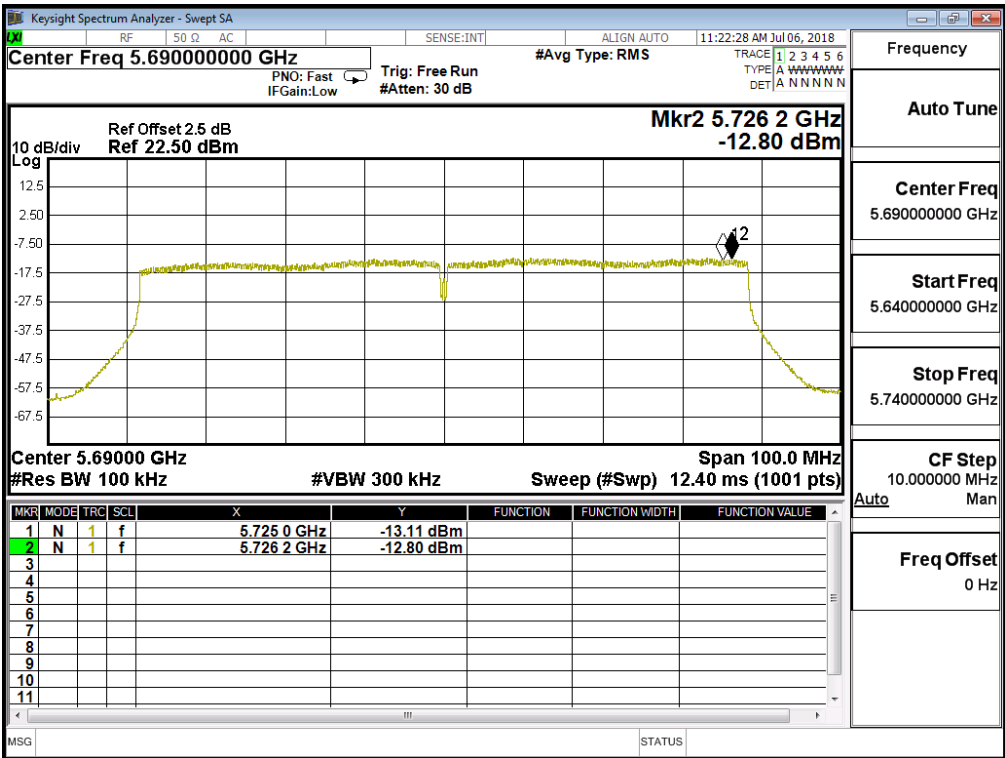
Channel 122 – Chain A



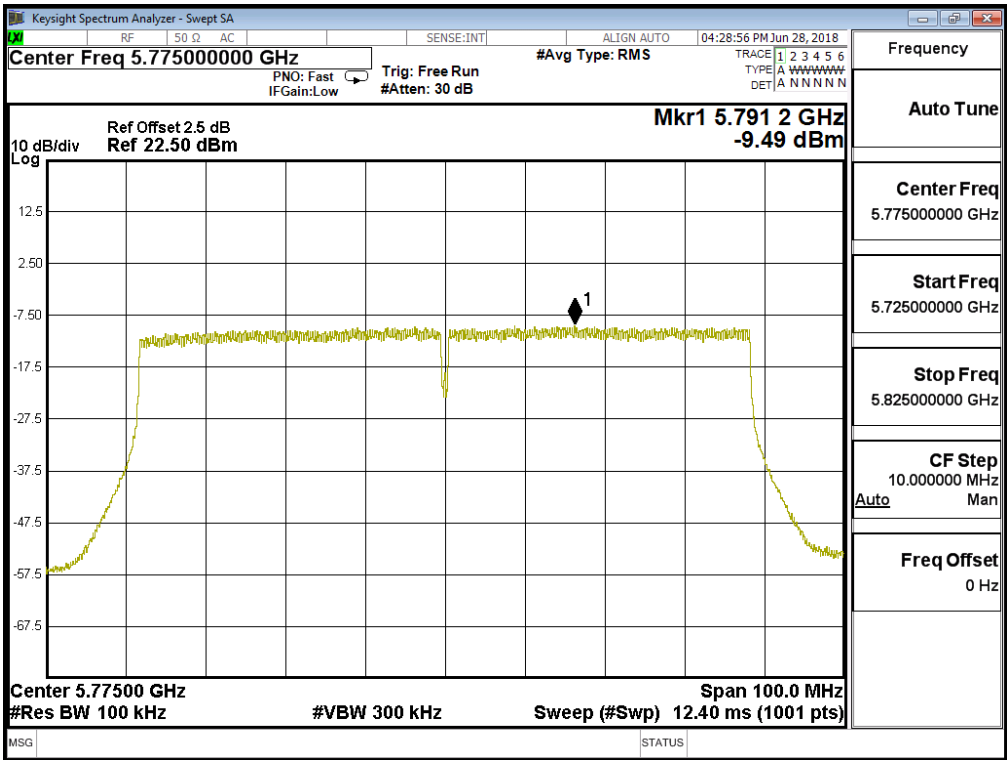
Channel 138(Band3) – Chain A



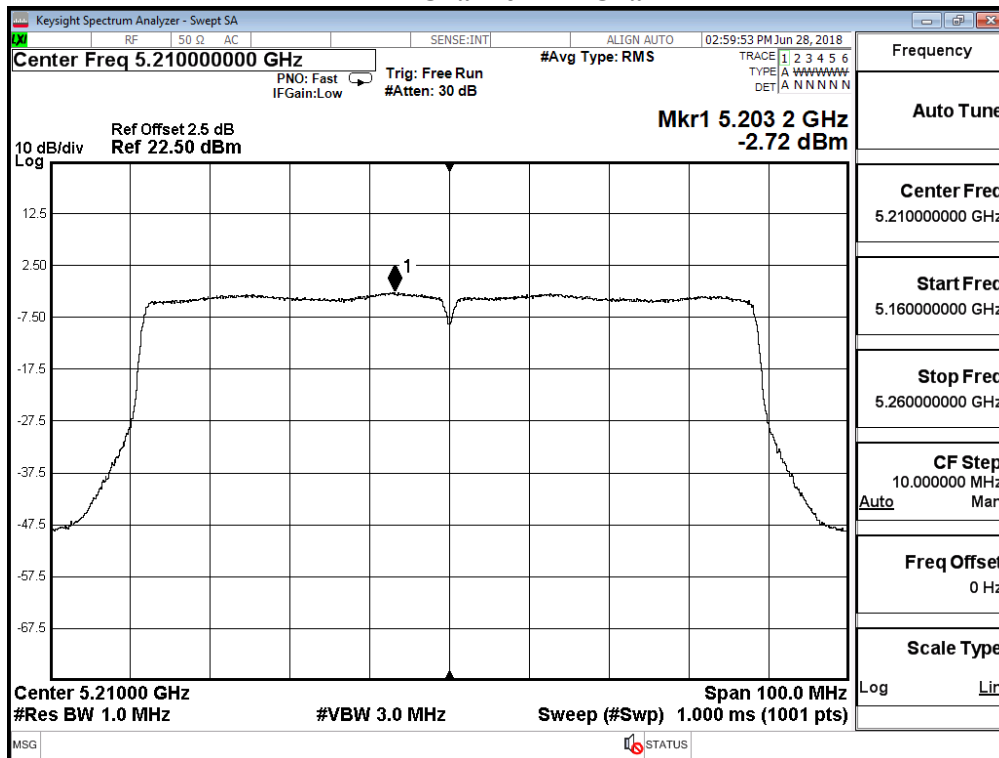
Channel 138(Band4) – Chain A



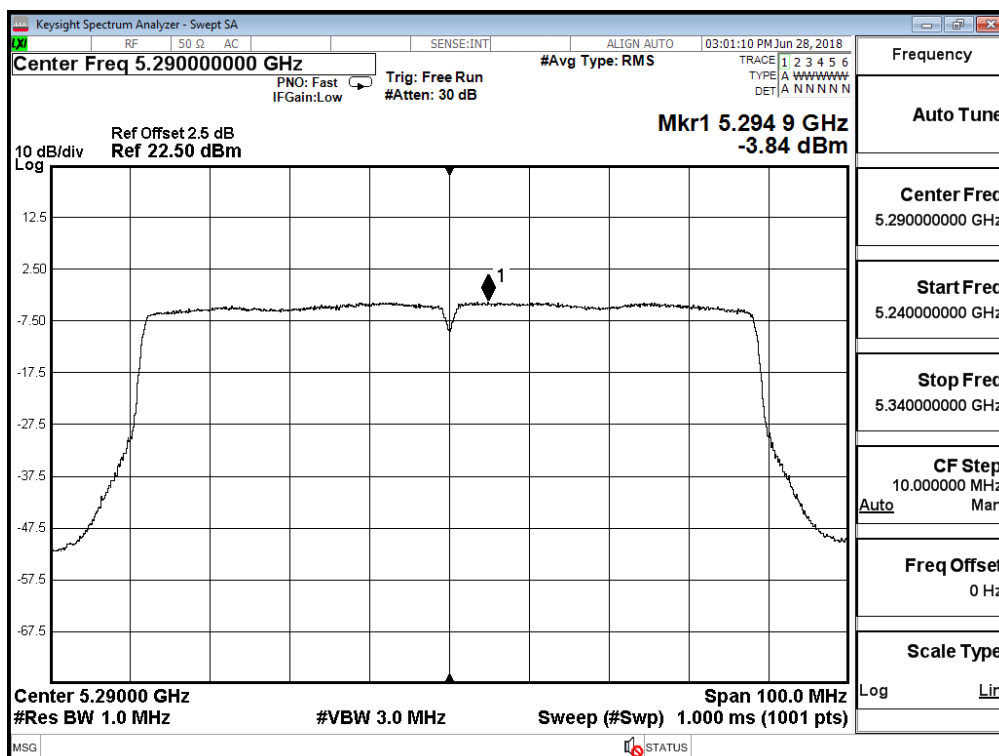
Channel 155: CHAIN A



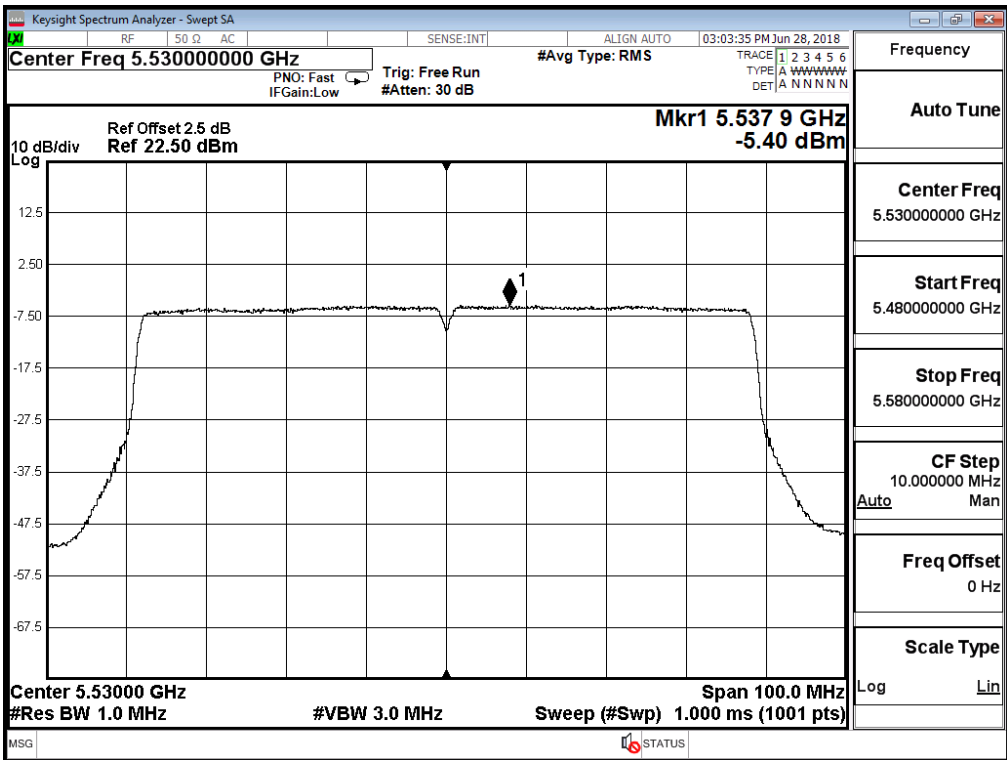
Channel 42 – Chain B



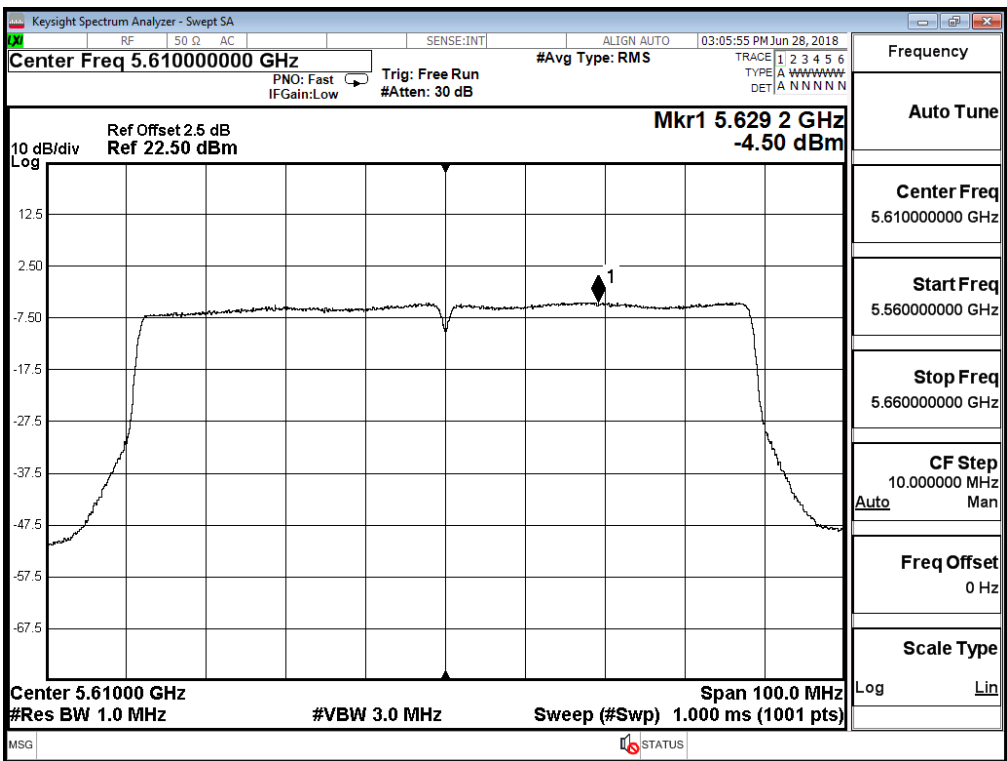
Channel 58 – Chain B



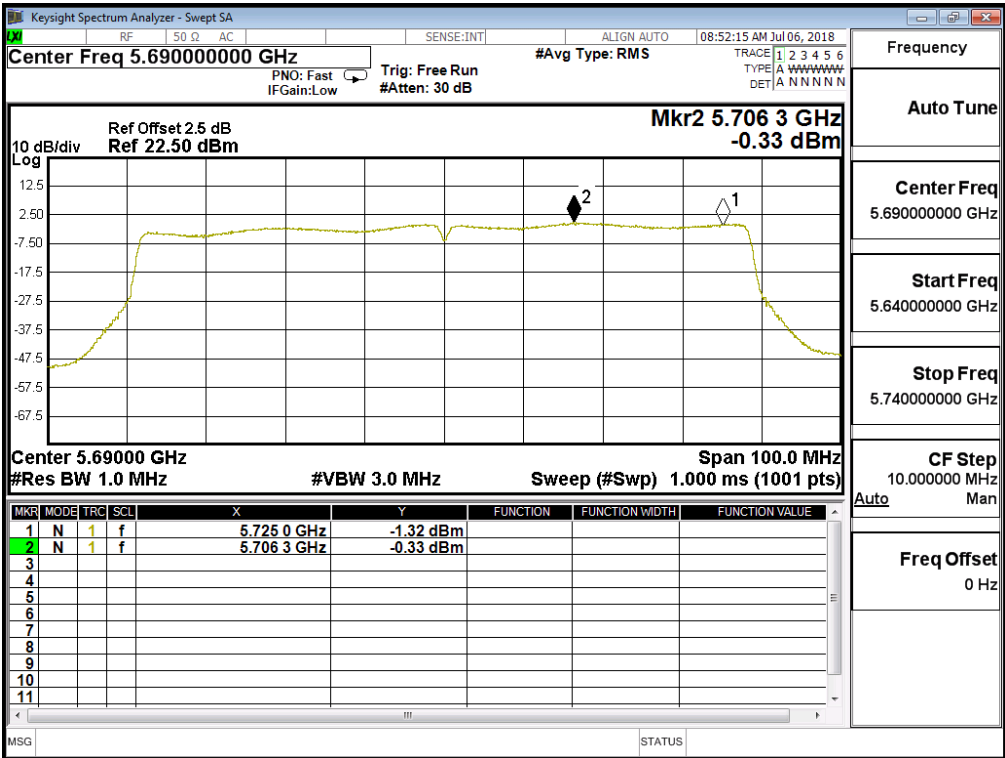
Channel 106 – Chain B



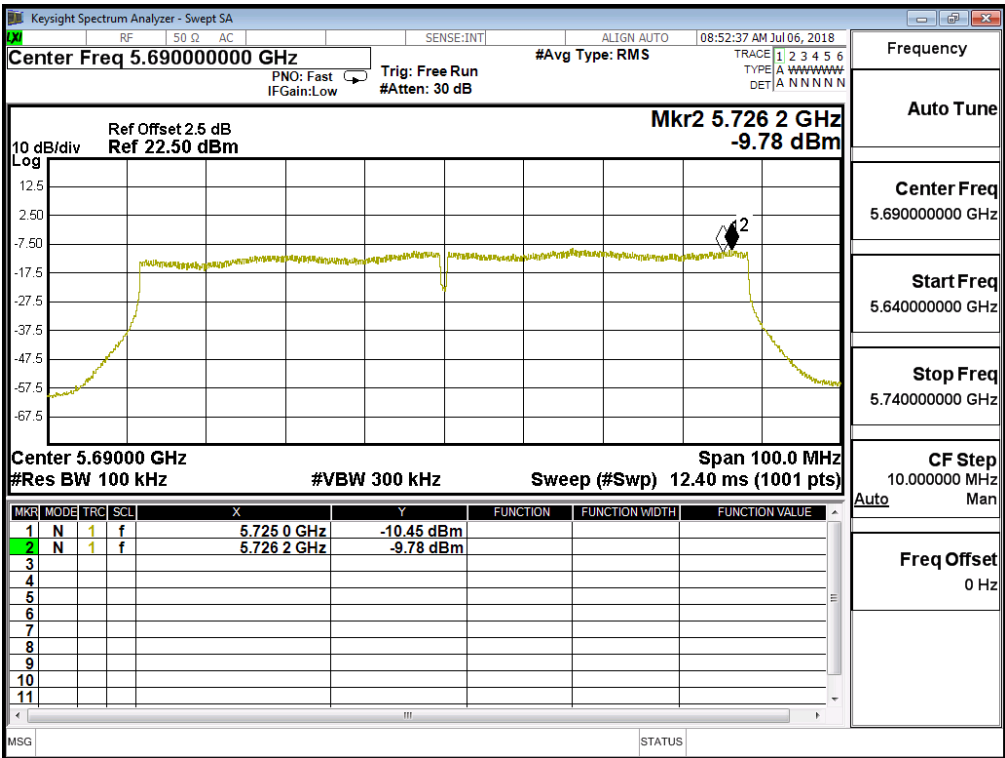
Channel 122 – Chain B



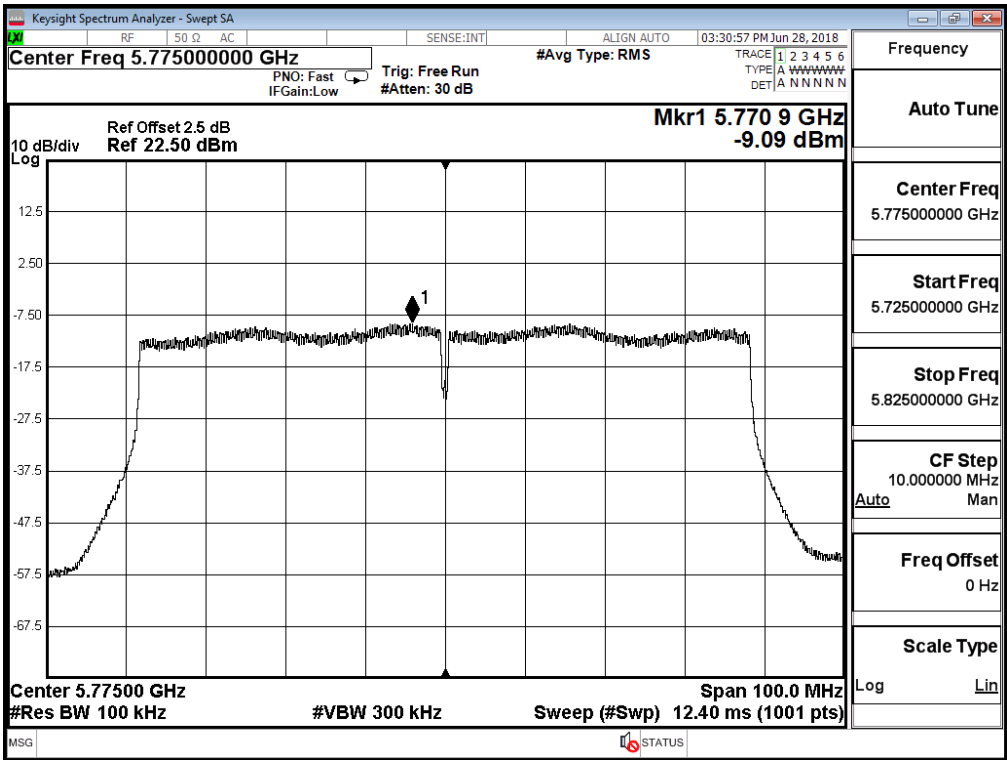
Channel 138 (Band3) – Chain B



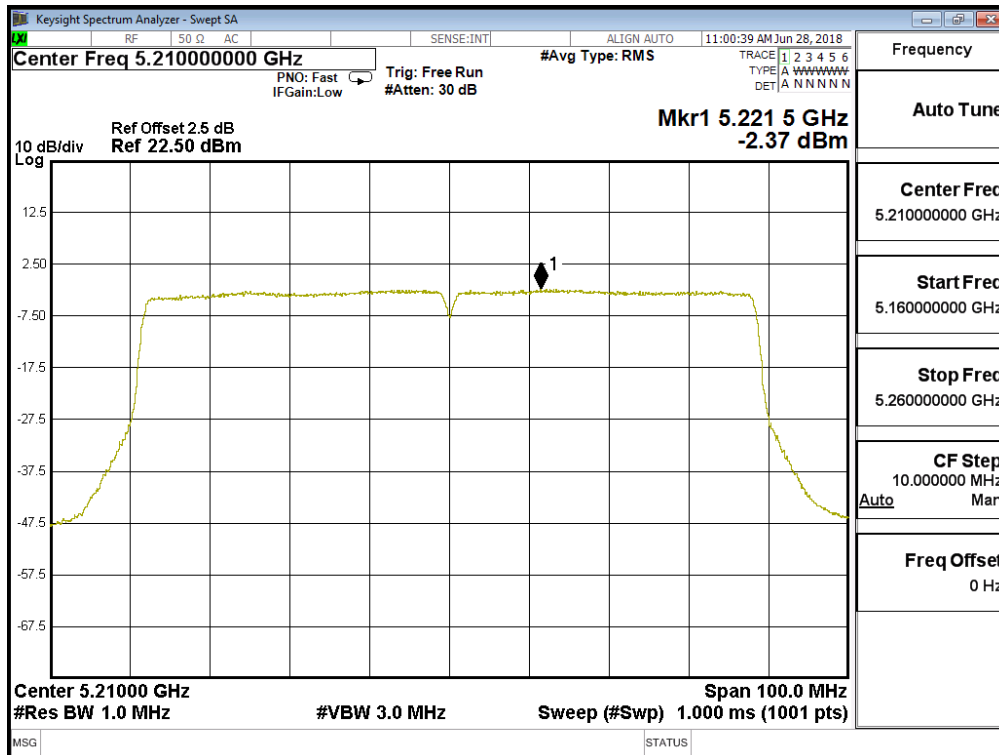
Channel 138 (Band4) – Chain B



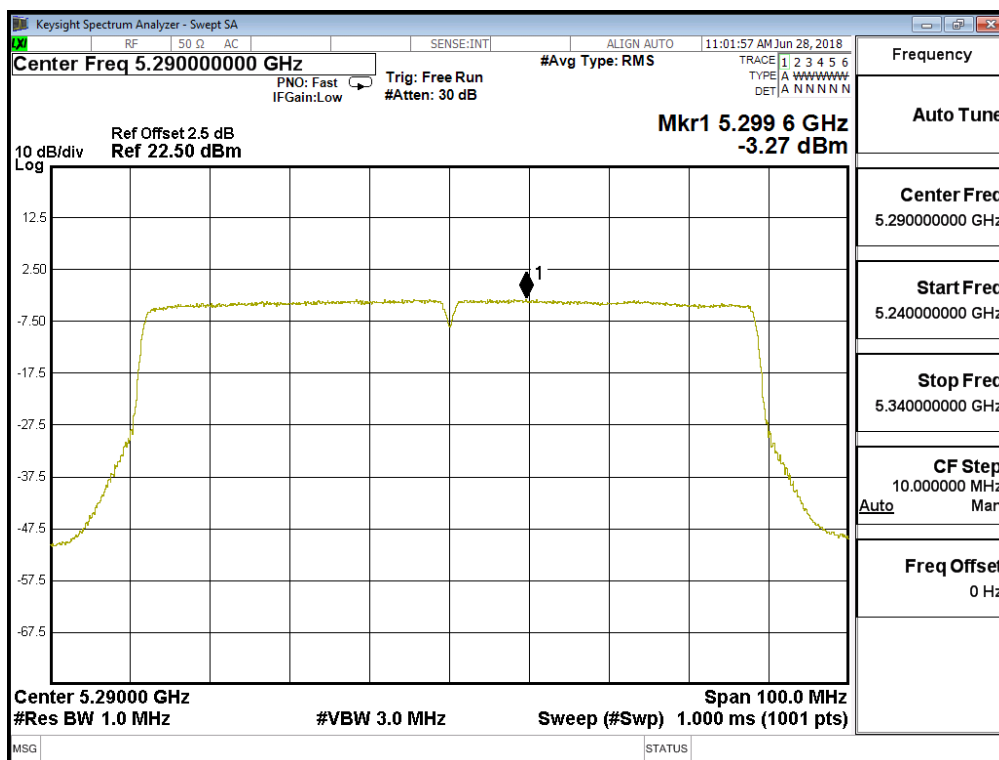
Channel 155: CHAIN B



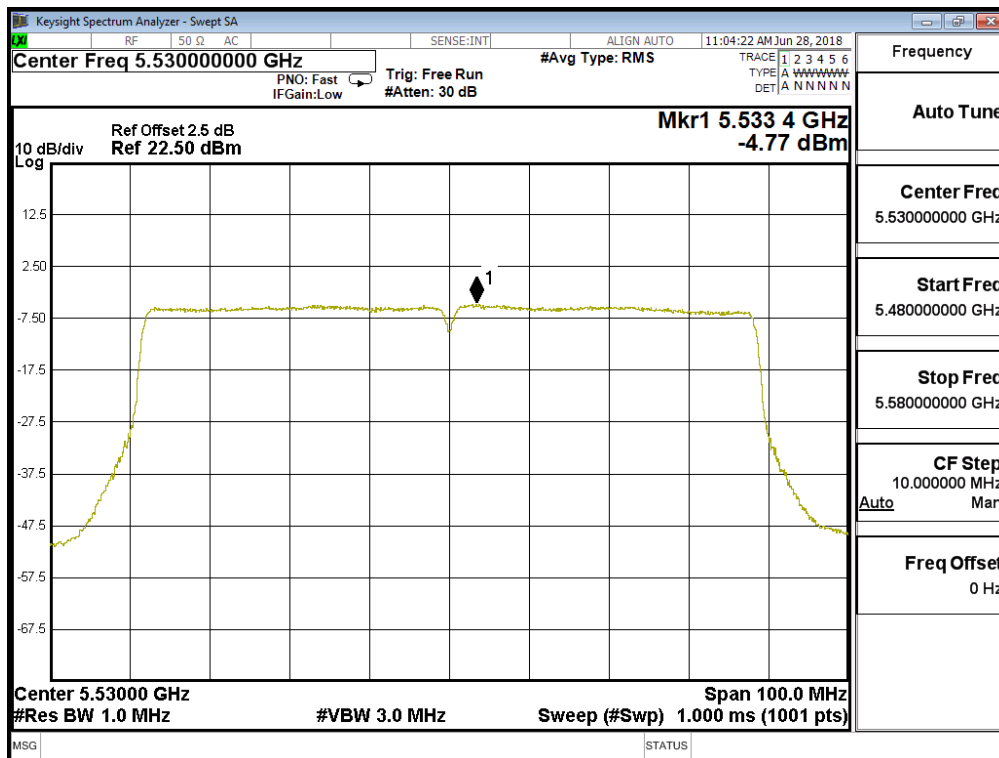
Channel 42 – Chain C



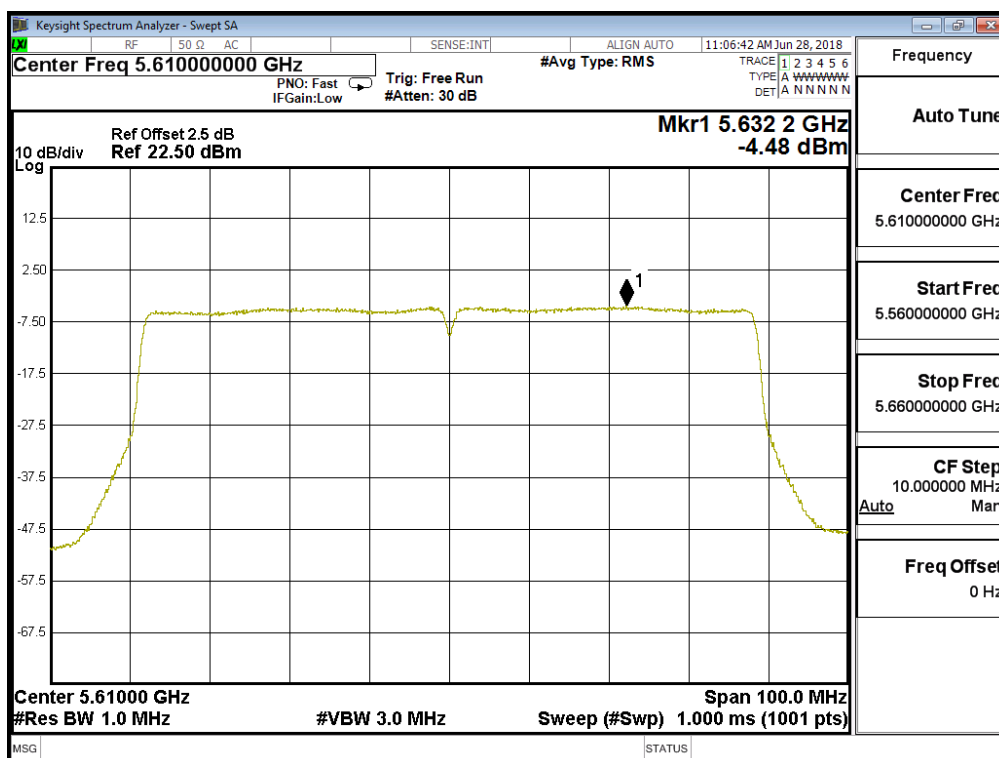
Channel 58 – Chain C



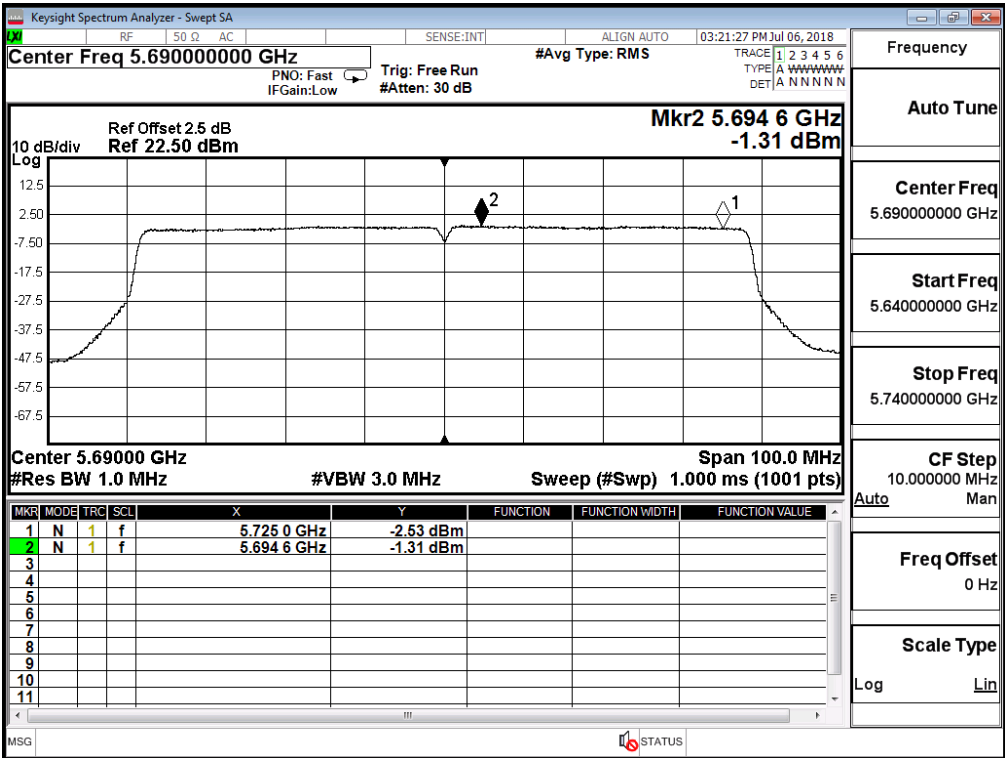
Channel 106 – Chain C



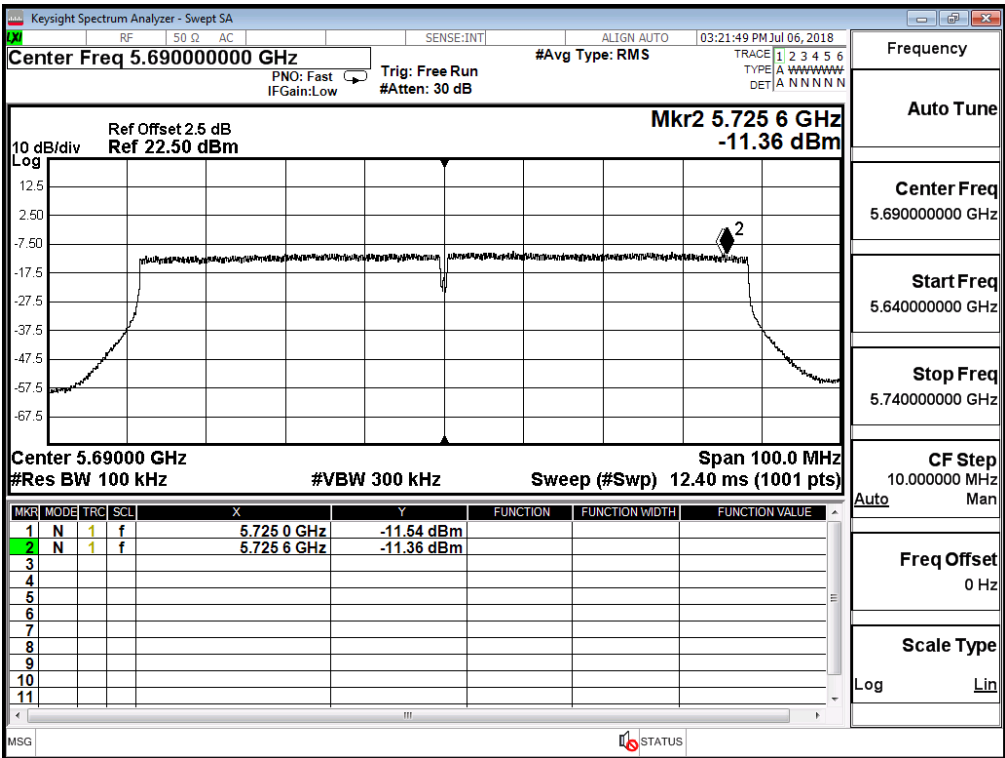
Channel 122 – Chain C



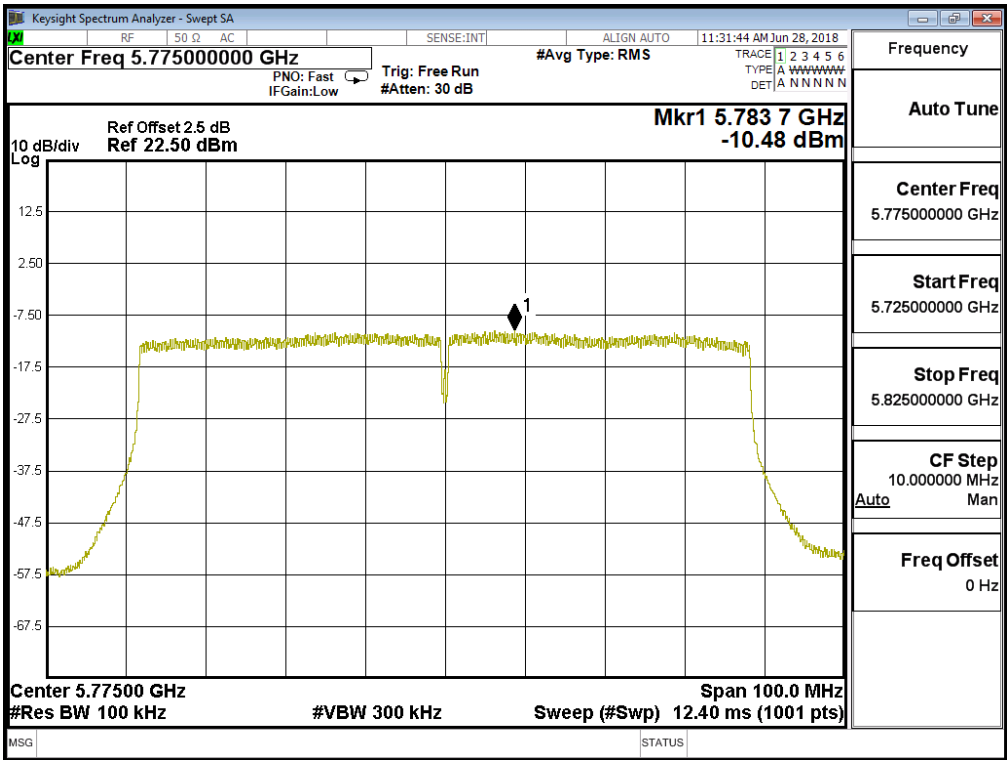
Channel 138 (Band3) – Chain C



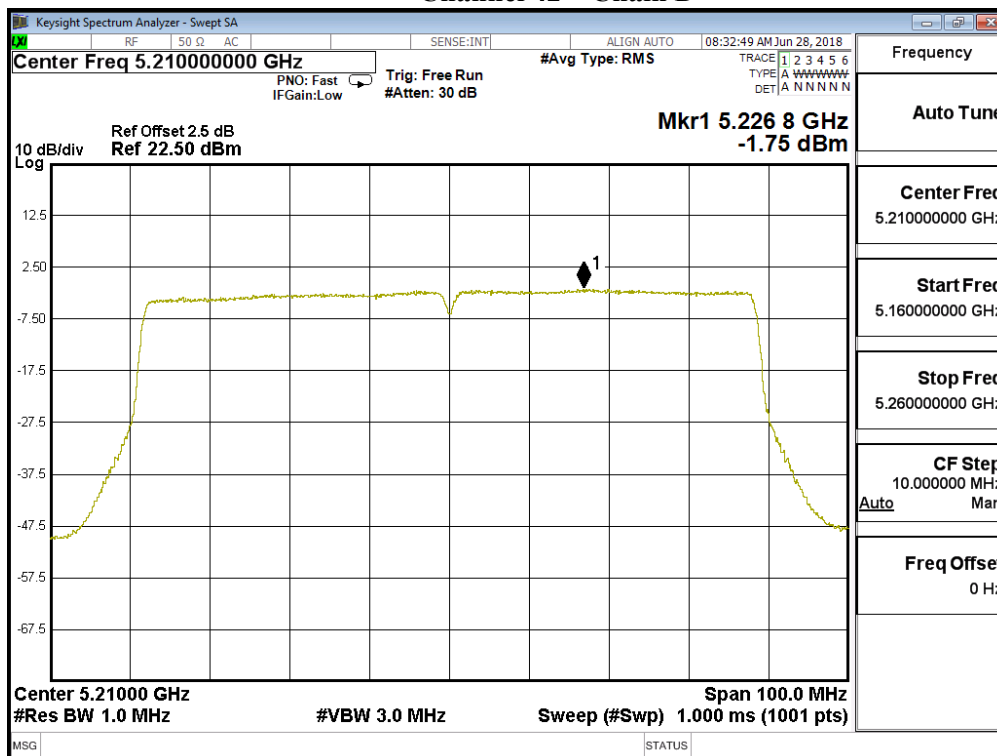
Channel 138 (Band4) – Chain C



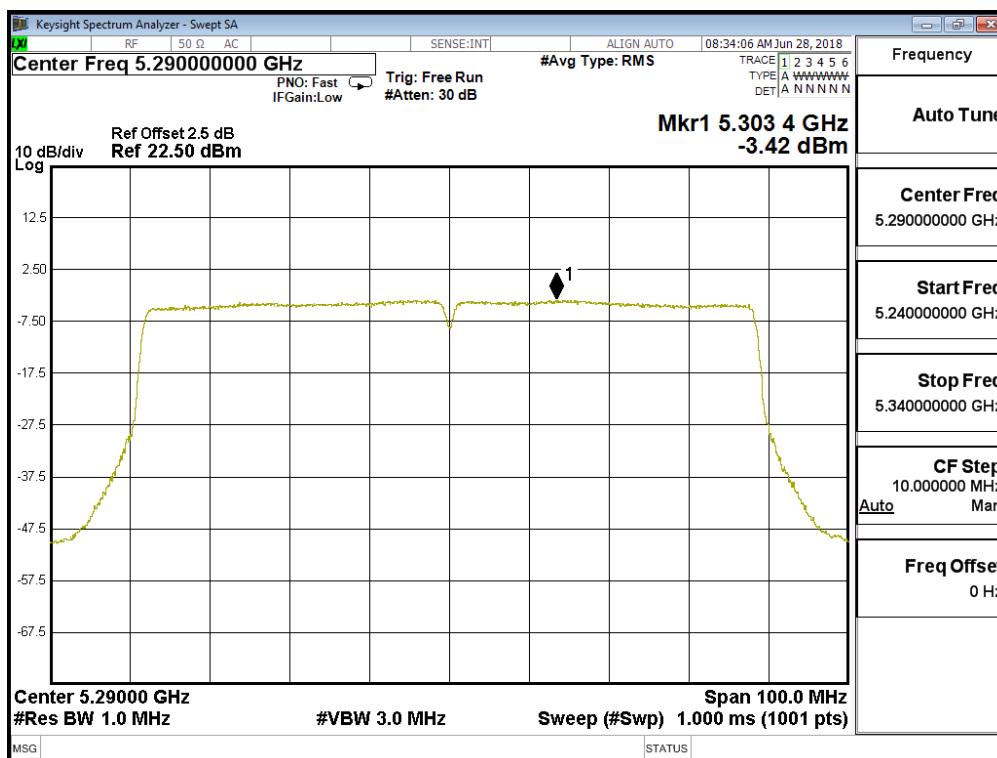
Channel 155: CHAIN C



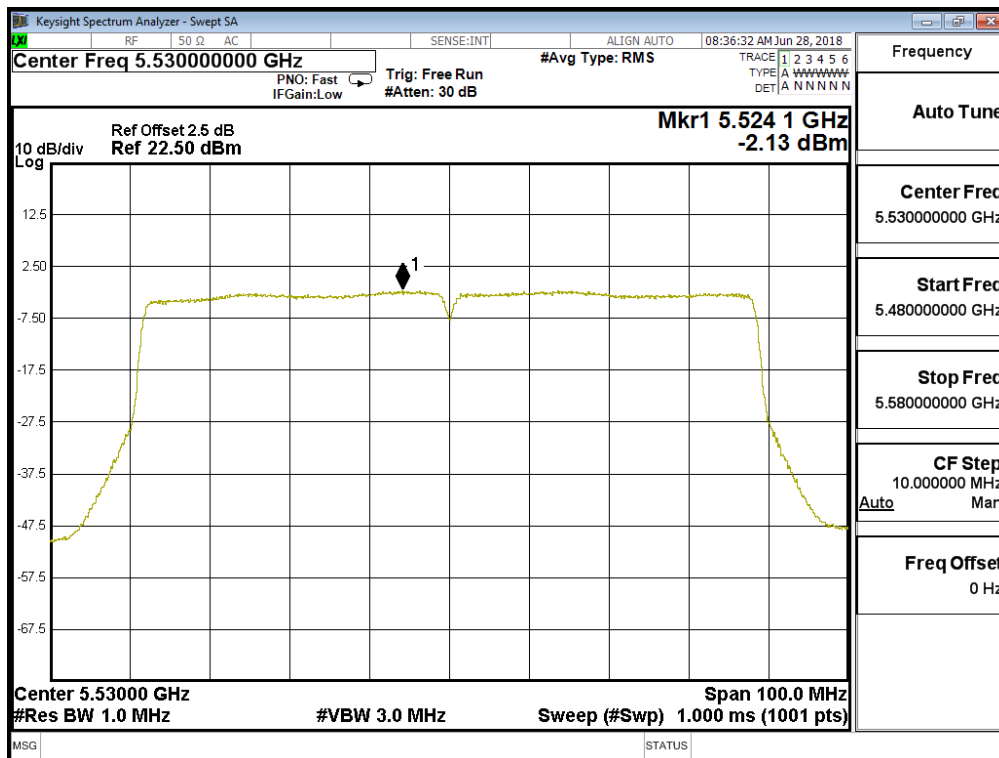
Channel 42 – Chain D



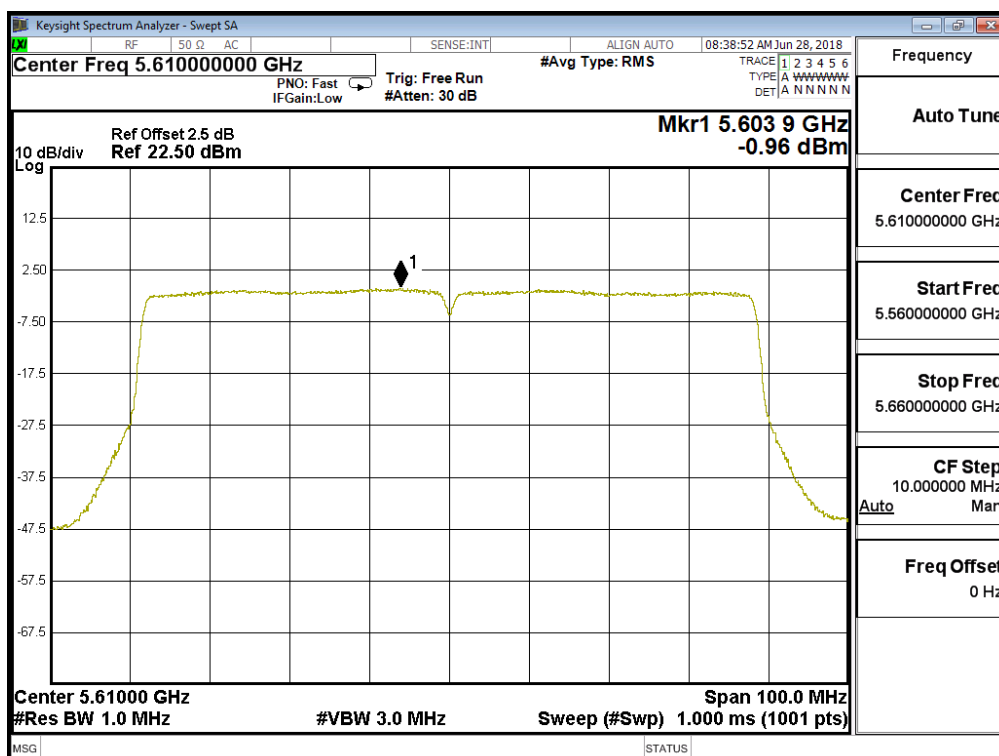
Channel 58 – Chain D



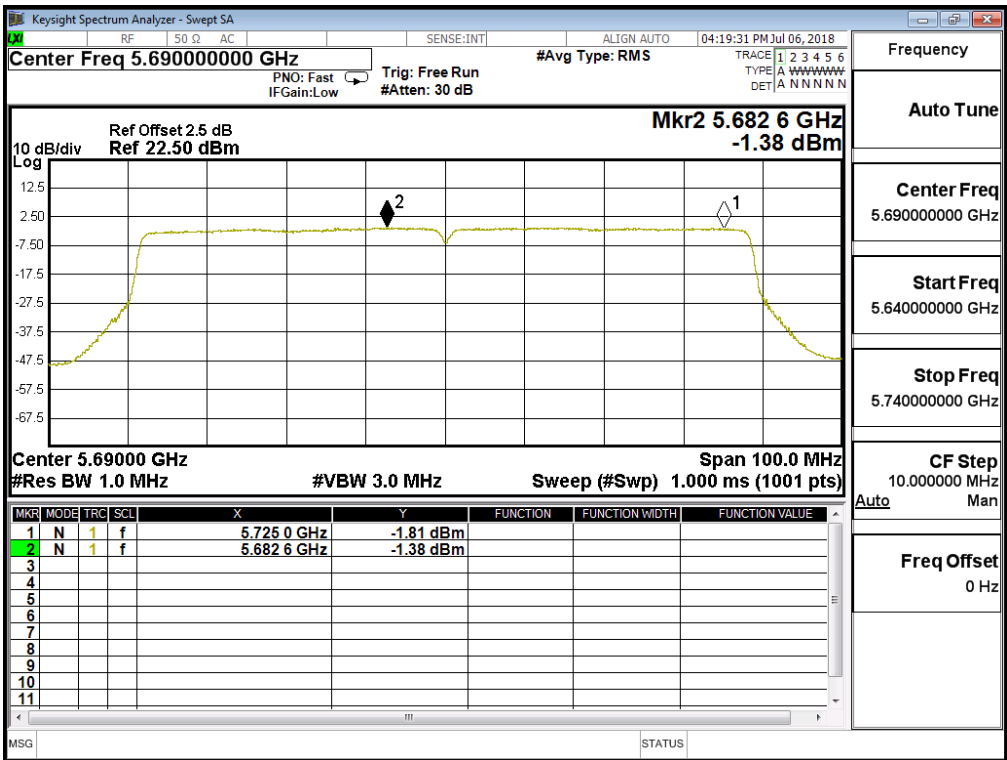
Channel 106 – Chain D



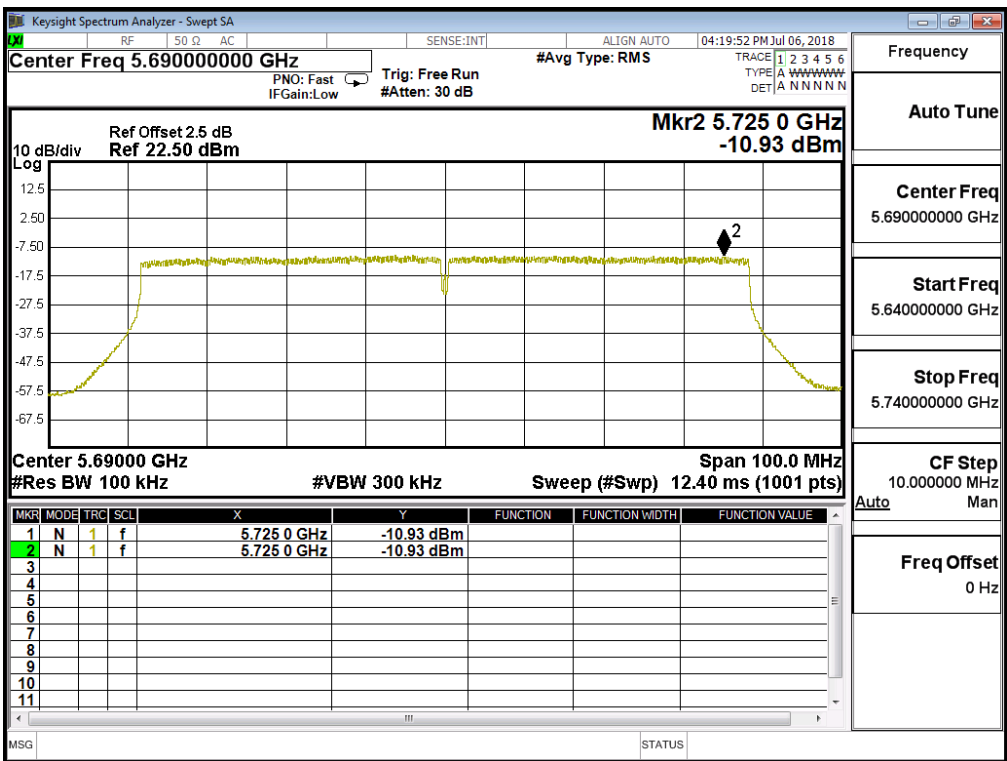
Channel 122 – Chain D



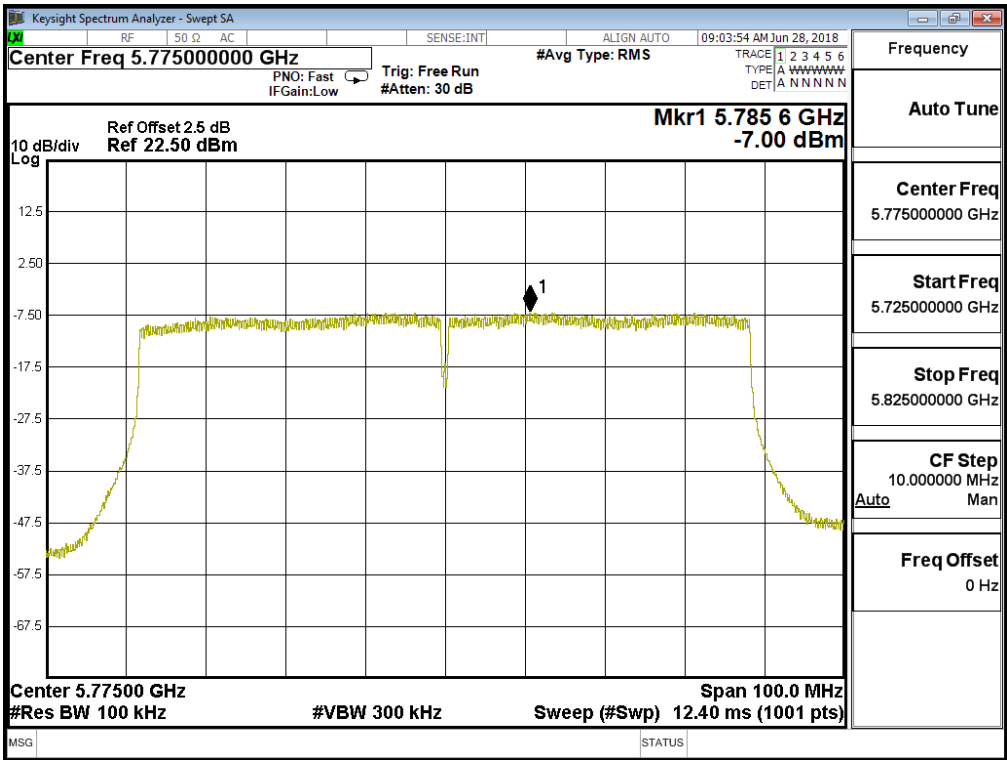
Channel 138 (Band3) – Chain D



Channel 138 (Band4) – Chain D



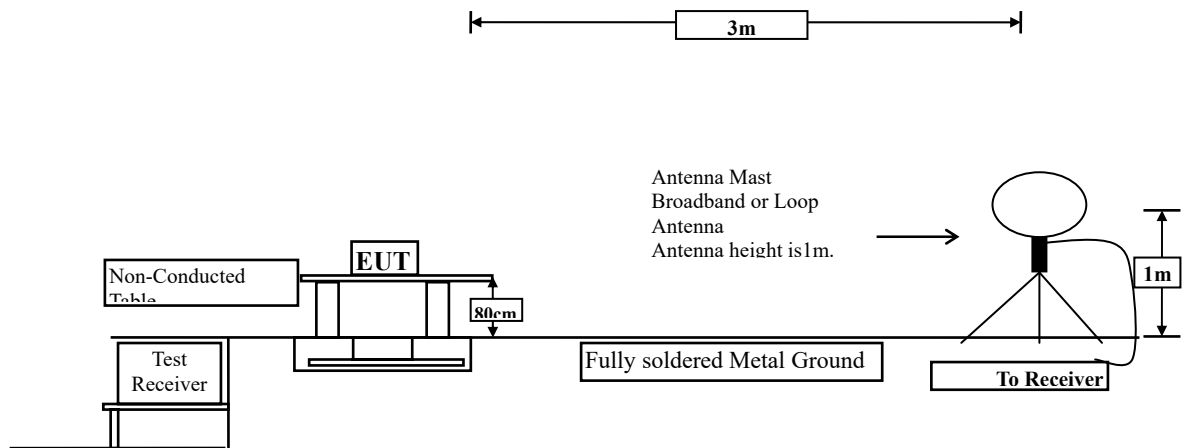
Channel 155: CHAIN D



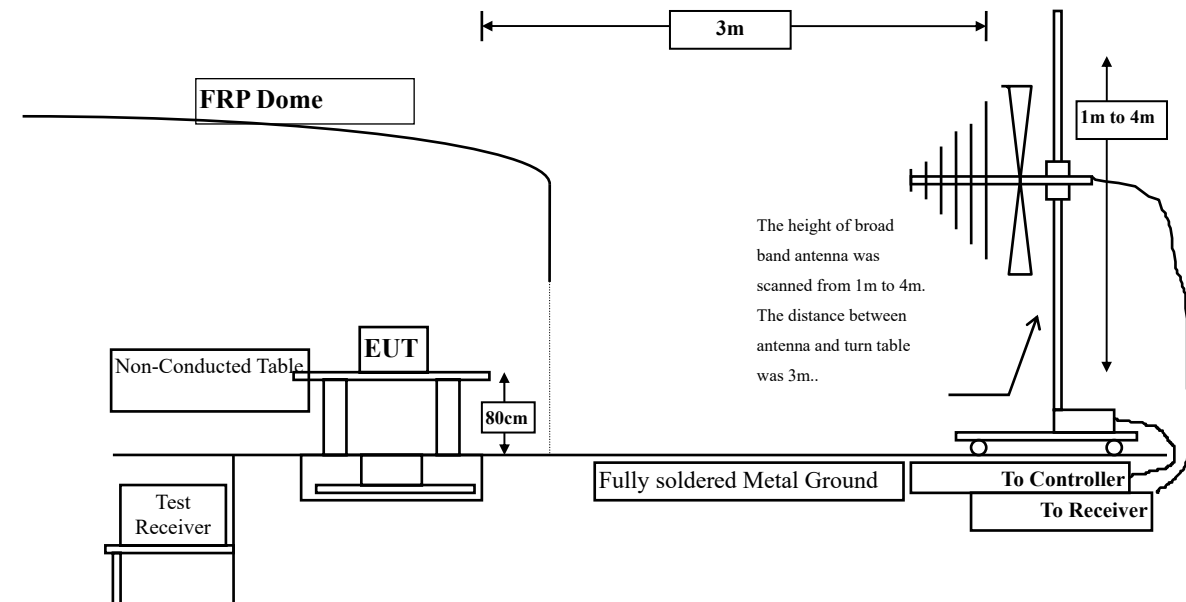
5. Radiated Emission

5.1. Test Setup

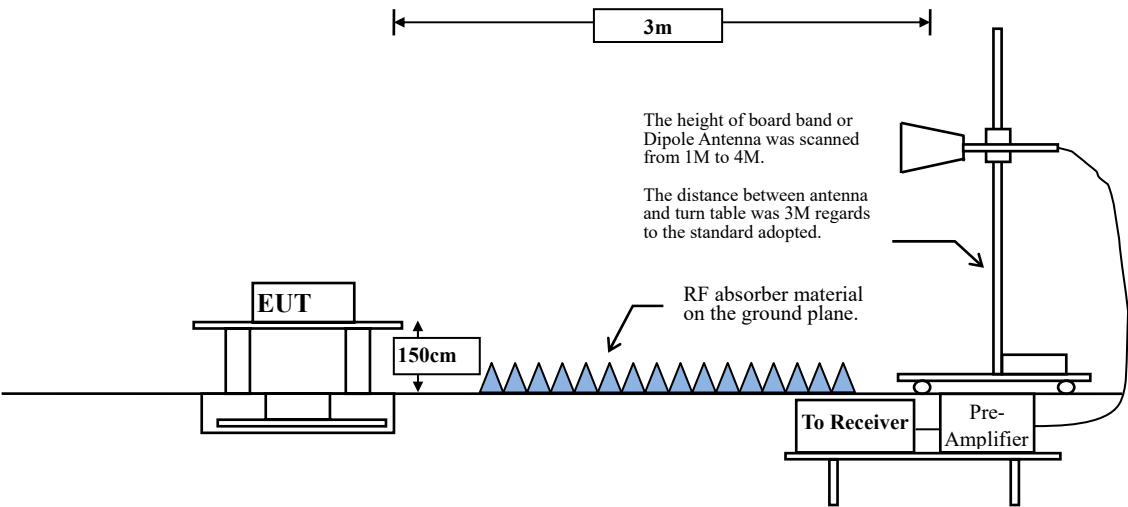
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



5.2. 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 (dBμV/m) = 20 log E field strength (uV/m)

5.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 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 789033 section II.G.5 Procedure for Unwanted Maximum Emissions
Measurements above 1000 MHz.

RBW = 1MHz.

VBW $\geq$ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions
Measurements above 1000 MHz.

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.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11 a	96.60	2.0580	486	500
802.11n20	98.00	4.9855	201	10
802.11n40	95.93	2.3913	418	500
802.11ac80	94.01	1.1377	879	1000

Note: Duty Cycle Refer to Section 8

5.4. Uncertainty

$\pm$ 4.08 dB above 1GHz

$\pm$ 4.22 dB below 1GHz

5.5. Test Result of Radiated Emission

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10360.000	10.540	39.170	49.710	-24.290	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	12.044	39.030	51.073	-22.927	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	9.649	38.960	48.608	-25.392	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	11.429	39.370	50.798	-23.202	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10480.000	10.166	39.100	49.266	-24.734	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	12.101	38.610	50.711	-23.289	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	11.021	39.310	50.331	-23.669	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	12.931	39.940	52.871	-21.129	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	11.868	38.400	50.268	-23.732	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	13.403	38.060	51.463	-22.537	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10640.000	11.844	39.160	51.004	-22.996	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	13.517	38.460	51.977	-22.023	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11000.000	12.392	37.990	50.382	-23.618	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	14.514	38.900	53.414	-20.586	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11160.000	12.201	38.020	50.221	-23.779	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	14.445	37.160	51.605	-22.395	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	13.372	38.500	51.872	-22.128	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	14.922	39.960	54.882	-19.118	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	14.922	29.840	44.762	-9.238	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	14.326	38.150	52.475	-21.525	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	15.842	43.610	59.451	-14.549	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
11490.000	15.842	33.390	49.231	-4.769	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	14.849	37.850	52.699	-21.301	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	16.215	46.990	63.204	-10.796	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	16.215	32.850	49.064	-4.936	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	13.179	37.460	50.639	-23.361	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	14.634	45.610	60.244	-13.756	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	14.634	32.420	47.054	-6.946	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5180MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10360.000	10.540	38.830	49.370	-24.630	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	12.044	38.940	50.983	-23.017	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10440.000	9.649	38.700	48.348	-25.652	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	11.429	39.230	50.658	-23.342	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5240MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10480.000	10.166	39.310	49.476	-24.524	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	12.101	39.280	51.381	-22.619	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5260MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	11.021	39.080	50.101	-23.899	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	12.931	39.640	52.571	-21.429	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	11.868	38.020	49.888	-24.112	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	13.403	39.120	52.523	-21.477	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5320MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10640.000	11.844	38.610	50.454	-23.546	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	13.517	38.700	52.217	-21.783	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5500MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	12.392	38.700	51.092	-22.908	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	14.514	37.700	52.214	-21.786	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11160.000	12.201	37.480	49.681	-24.319	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	14.445	37.720	52.165	-21.835	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5700MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	13.372	37.270	50.642	-23.358	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	14.922	37.330	52.252	-21.748	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5745MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11490.000	14.326	37.950	52.275	-21.725	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	15.842	42.070	57.911	-16.089	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
11490.000	15.842	27.940	43.781	-10.219	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	14.849	37.430	52.279	-21.721	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	16.215	42.410	58.624	-15.376	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	16.215	28.460	44.674	-9.326	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5825MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	13.179	37.420	50.599	-23.401	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	14.634	41.170	55.804	-18.196	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	14.634	28.180	42.814	-11.186	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5190MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10380.000	10.164	38.220	48.384	-25.616	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	11.729	39.180	50.910	-23.090	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10460.000	9.786	38.780	48.566	-25.434	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	11.644	41.200	52.844	-21.156	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5270MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10540.000	11.479	38.990	50.469	-23.531	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	13.289	39.440	52.729	-21.271	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10620.000	11.862	38.080	49.942	-24.058	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	13.449	39.000	52.449	-21.551	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5510MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11020.000	12.632	38.250	50.882	-23.118	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	14.778	38.440	53.218	-20.782	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11100.000	12.305	37.390	49.695	-24.305	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	14.559	37.670	52.229	-21.771	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5670MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11340.000	12.852	36.510	49.361	-24.639	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	14.594	37.760	52.354	-21.646	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11510.000	14.402	38.080	52.482	-21.518	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11510.000	15.894	40.720	56.614	-17.386	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
11510.000	15.894	28.500	44.394	-9.606	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5795MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11590.000	15.138	37.190	52.328	-21.672	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11590.000	16.461	40.030	56.491	-17.509	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average					
Detector:					
11590.000	16.461	27.550	44.011	-9.989	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10420.000	9.711	38.260	47.972	-26.028	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	11.415	38.940	50.355	-23.645	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11440.000	13.997	35.283	49.280	-24.720	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	15.527	36.863	52.390	-21.610	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11420.000	13.675	36.906	50.580	-23.420	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	15.210	37.350	52.560	-21.440	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10580.000	11.823	38.560	50.384	-23.616	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	13.426	37.760	51.186	-22.814	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11060.000	12.824	37.910	50.734	-23.266	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	15.026	36.755	51.781	-22.219	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5610MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11220.000	12.120	38.010	50.130	-23.870	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11220.000	14.284	37.610	51.893	-22.107	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5690MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11380.000	13.200	37.490	50.690	-23.310	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	14.808	37.630	52.438	-21.562	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/18
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11550.000	14.599	38.000	52.599	-21.401	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11550.000	16.007	38.300	54.307	-19.693	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
11550.000	16.007	24.880	40.887	-13.113	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10360.000	-2.181	43.810	41.629	-32.371	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	43.830	42.443	-31.557	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	42.730	41.117	-32.883	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	43.280	42.590	-31.410	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10480.000	-1.075	42.320	41.246	-32.754	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	43.820	43.673	-30.327	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	43.740	43.165	-30.835	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	43.050	43.278	-30.722	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10600.000	0.309	43.260	43.568	-30.432	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	43.280	43.920	-30.080	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10640.000	0.316	43.620	43.936	-30.064	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	44.190	44.899	-29.101	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	42.320	44.029	-29.971	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	47.630	50.071	-23.929	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11160.000	2.230	42.260	44.490	-29.510	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	49.520	52.729	-21.271	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	2.101	43.570	45.672	-28.328	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	52.430	55.139	-18.861	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	2.709	39.110	41.819	-12.181	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	42.230	44.902	-29.098	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	52.990	56.590	-17.410	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
11490.000	3.600	33.940	37.540	-16.460	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	41.940	44.276	-29.724	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	3.225	51.950	55.174	-18.826	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	3.225	35.610	38.834	-15.166	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	41.720	43.329	-30.671	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	52.380	55.105	-18.895	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	2.724	36.050	38.775	-15.225	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5180MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10360.000	-2.181	44.050	41.869	-32.131	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	44.050	42.663	-31.337	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	42.550	40.937	-33.063	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	48.170	47.480	-26.520	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5240MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10480.000	-1.075	42.820	41.746	-32.254	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	50.110	49.963	-24.037	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5260MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	42.760	42.185	-31.815	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	46.130	46.358	-27.642	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10600.000	0.309	43.210	43.518	-30.482	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	44.850	45.490	-28.510	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5320MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10640.000	0.316	45.000	45.316	-28.684	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	45.300	46.009	-27.991	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5500MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	45.850	47.559	-26.441	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	46.840	49.281	-24.719	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11160.000	2.230	42.860	45.090	-28.910	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	46.740	49.949	-24.051	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5700MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11400.000	2.101	45.580	47.682	-26.318	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	49.670	52.379	-21.621	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5745MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	44.140	46.812	-27.188	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	49.150	52.750	-21.250	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	43.870	46.206	-27.794	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	3.224	47.720	50.944	-23.056	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5825MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	44.960	46.569	-27.431	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	49.220	51.945	-22.055	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5190MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10380.000	-2.167	42.880	40.713	-33.287	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	-1.310	43.800	42.490	-31.510	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10460.000	-1.343	43.130	41.786	-32.214	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	-0.418	44.240	43.821	-30.179	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5270MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10540.000	-0.344	42.660	42.316	-31.684	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	0.334	43.800	44.134	-29.866	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10620.000	0.331	44.225	44.556	-29.444	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	0.678	44.060	44.738	-29.262	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5510MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11020.000	1.816	42.610	44.425	-29.575	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	2.566	44.740	47.306	-26.694	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11100.000	2.151	44.580	46.731	-27.269	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	2.993	45.600	48.593	-25.407	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5670MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11340.000	1.996	44.930	46.925	-27.075	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	2.755	49.050	51.805	-22.195	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11510.000	2.683	45.600	48.283	-25.717	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11510.000	3.640	46.740	50.380	-23.620	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5795MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11590.000	2.216	44.460	46.676	-27.324	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11590.000	3.082	47.030	50.112	-23.888	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11440.000	2.347	44.850	47.197	-26.803	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	3.087	49.280	52.367	-21.633	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11420.000	2.217	44.690	46.906	-27.094	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	2.880	47.230	50.110	-23.890	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10420.000	-1.883	43.490	41.606	-32.394	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	-0.961	44.010	43.048	-30.952	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10580.000	0.118	43.780	43.898	-30.102	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	0.544	43.580	44.124	-29.876	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11060.000	1.986	43.250	45.236	-28.764	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	2.781	44.210	46.991	-27.009	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5610MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11220.000	2.213	43.220	45.434	-28.566	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11220.000	3.244	46.340	49.584	-24.416	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5690MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11380.000	2.056	44.500	46.557	-27.443	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	2.701	47.180	49.882	-24.118	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/13
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11550.000	2.451	42.390	44.841	-29.159	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11550.000	3.363	47.150	50.513	-23.487	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10360.000	-2.181	44.320	42.139	-31.861	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	44.210	42.823	-31.177	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	43.220	41.607	-32.393	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	44.490	43.800	-30.200	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10480.000	-1.075	43.280	42.206	-31.794	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	45.230	45.083	-28.917	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	43.500	42.925	-31.075	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	45.410	45.638	-28.362	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	0.309	43.270	43.578	-30.422	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	45.660	46.300	-27.700	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10640.000	0.316	43.850	44.166	-29.834	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	44.340	45.049	-28.951	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	43.250	44.959	-29.041	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	50.230	52.671	-21.329	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11160.000	2.230	42.760	44.990	-29.010	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	50.110	53.319	-20.681	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	2.101	44.350	46.452	-27.548	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	53.890	56.599	-17.401	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	2.709	39.310	42.019	-11.981	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	43.650	46.322	-27.678	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	50.790	54.390	-19.610	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
11490.000	3.600	31.910	35.510	-18.490	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	42.090	44.426	-29.574	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	3.225	51.920	55.144	-18.856	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	3.225	34.620	37.844	-16.156	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	45.900	47.509	-26.491	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	51.870	54.595	-19.405	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	2.724	32.150	34.875	-19.125	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5180MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10360.000	-2.181	44.620	42.439	-31.561	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	45.610	44.223	-29.777	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	43.230	41.617	-32.383	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	49.460	48.770	-25.230	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5240MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10480.000	-1.075	43.080	42.006	-31.994	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	44.790	44.643	-29.357	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5260MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	42.980	42.405	-31.595	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	43.800	44.028	-29.972	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	0.309	43.140	43.448	-30.552	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	43.740	44.380	-29.620	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5320MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10640.000	0.316	43.470	43.786	-30.214	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	44.160	44.869	-29.131	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5500MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11000.000	1.709	42.660	44.369	-29.631	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	47.560	50.001	-23.999	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11160.000	2.230	42.110	44.340	-29.660	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	45.960	49.169	-24.831	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5700MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11400.000	2.101	44.130	46.232	-27.768	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	48.830	51.539	-22.461	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5745MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	42.700	45.372	-28.628	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	49.890	53.490	-20.510	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	41.740	44.076	-29.924	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	2.336	49.999	52.334	-21.666	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5825MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	42.020	43.629	-30.371	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	50.360	53.085	-20.915	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5190MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10380.000	-2.167	43.480	41.313	-32.687	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	-1.310	44.000	42.690	-31.310	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10460.000	-1.343	41.550	40.206	-33.794	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	-0.418	46.190	45.771	-28.229	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5270MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10540.000	-0.344	42.260	41.916	-32.084	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	0.334	44.820	45.154	-28.846	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10620.000	0.331	44.610	44.941	-29.059	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	0.678	45.960	46.638	-27.362	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5510MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11020.000	1.816	42.830	44.645	-29.355	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	2.566	48.100	50.666	-23.334	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11100.000	2.151	43.040	45.191	-28.809	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	2.993	48.600	51.593	-22.407	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5670MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11340.000	1.996	44.450	46.445	-27.555	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	2.755	50.240	52.995	-21.005	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11510.000	2.683	42.680	45.363	-28.637	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11510.000	3.640	48.010	51.650	-22.350	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5795MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11590.000	2.216	41.990	44.206	-29.794	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11590.000	3.082	48.360	51.442	-22.558	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11440.000	2.347	44.610	46.957	-27.043	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	3.087	50.030	53.117	-20.883	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11420.000	2.217	44.170	46.386	-27.614	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	2.880	48.450	51.330	-22.670	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10420.000	-1.883	42.890	41.006	-32.994	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	-0.961	45.080	44.118	-29.882	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10580.000	0.118	42.930	43.048	-30.952	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	0.544	44.360	44.904	-29.096	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11060.000	1.986	42.270	44.256	-29.744	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	2.781	47.140	49.921	-24.079	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5610MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11220.000	2.213	43.430	45.644	-28.356	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11220.000	3.244	46.290	49.534	-24.466	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5690MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11380.000	2.056	44.060	46.117	-27.883	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	2.701	48.360	51.062	-22.938	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/09
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11550.000	2.451	42.410	44.861	-29.139	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11550.000	3.363	45.660	49.023	-24.977	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10360.000	-2.181	45.570	43.389	-30.611	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	63.370	61.983	-12.017	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
10360.000	-1.387	46.700	45.313	-8.687	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	44.540	42.927	-31.073	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	64.950	64.260	-9.740	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
10440.000	-0.690	48.240	47.550	-6.450	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10480.000	-1.075	44.800	43.726	-30.274	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	65.100	64.953	-9.047	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
10480.000	-0.148	65.100	64.953	-9.047	10480.000

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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	44.490	43.915	-30.085	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	46.930	47.158	-26.842	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	0.309	45.900	46.208	-27.792	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	47.300	47.940	-26.060	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10640.000	0.316	45.340	45.656	-28.344	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	47.119	47.828	-26.172	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	45.790	47.499	-26.501	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	46.580	49.021	-24.979	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11160.000	2.230	44.380	46.610	-27.390	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	46.720	49.929	-24.071	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11400.000	2.101	45.020	47.122	-26.878	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	49.410	52.119	-21.881	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	44.000	46.672	-27.328	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	54.350	57.950	-16.050	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
11490.000	3.600	35.690	39.290	-14.710	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	44.980	47.316	-26.684	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	3.225	52.390	55.614	-18.386	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	3.225	36.250	39.474	-14.526	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	44.160	45.769	-28.231	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	53.040	55.765	-18.235	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	2.724	37.180	39.905	-14.095	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5180MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10360.000	-2.181	45.710	43.529	-30.471	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	49.660	48.273	-25.727	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	47.290	45.677	-28.323	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	55.490	54.800	-19.200	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
10440.000	-0.690	40.070	39.380	-14.620	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5240MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10480.000	-1.075	45.310	44.236	-29.764	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	56.220	56.073	-17.927	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
10480.000	-0.148	39.590	39.443	-14.557	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5260MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	45.320	44.745	-29.255	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	46.840	47.068	-26.932	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10600.000	0.309	45.320	45.628	-28.372	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	46.490	47.130	-26.870	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5320MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10640.000	0.316	45.310	45.626	-28.374	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	47.840	48.549	-25.451	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5500MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	46.940	48.649	-25.351	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	48.940	51.381	-22.619	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11160.000	2.230	46.440	48.670	-25.330	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	47.100	50.309	-23.691	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5700MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11400.000	2.101	46.250	48.352	-25.648	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	46.950	49.659	-24.341	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5745MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	44.960	47.632	-26.368	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	52.630	56.230	-17.770	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
11490.000	3.600	36.640	40.240	-13.760	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	46.430	48.766	-25.234	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	3.224	51.520	54.744	-19.256	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	3.224	35.430	38.654	-15.346	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5825MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	47.410	49.019	-24.981	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	52.430	55.155	-18.845	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	2.724	36.320	39.045	-14.955	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5190MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10380.000	-2.167	44.474	42.307	-31.693	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	-1.310	47.450	46.140	-27.860	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10460.000	-1.343	45.260	43.916	-30.084	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	-0.418	58.910	58.491	-15.509	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
10460.000	-0.418	43.670	43.251	-10.749	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5270MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10540.000	-0.344	45.270	44.926	-29.074	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	0.334	46.840	47.174	-26.826	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10620.000	0.331	45.800	46.131	-27.869	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	0.678	46.150	46.828	-27.172	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5510MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11020.000	1.816	44.240	46.055	-27.945	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	2.566	44.930	47.496	-26.504	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11100.000	2.151	44.510	46.661	-27.339	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	2.993	45.030	48.023	-25.977	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5670MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11340.000	1.996	46.000	47.995	-26.005	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	2.755	47.210	49.965	-24.035	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11510.000	2.683	47.160	49.843	-24.157	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11510.000	3.640	50.450	54.090	-19.910	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
11510.000	3.640	35.510	39.150	-14.850	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5795MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11590.000	2.216	47.710	49.926	-24.074	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11590.000	3.082	49.710	52.792	-21.208	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11440.000	2.347	46.130	48.477	-25.523	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	3.087	47.050	50.137	-23.863	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11420.000	2.217	45.720	47.936	-26.064	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	2.880	46.410	49.290	-24.710	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10420.000	-1.883	44.330	42.446	-31.554	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	-0.961	45.610	44.648	-29.352	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10580.000	0.118	43.490	43.608	-30.392	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	0.544	44.550	45.094	-28.906	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11060.000	1.986	43.420	45.406	-28.594	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	2.781	45.210	47.991	-26.009	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5610MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11220.000	2.213	44.130	46.344	-27.656	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11220.000	3.244	44.850	48.094	-25.906	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5690MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11380.000	2.056	45.660	47.717	-26.283	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	2.701	46.530	49.232	-24.768	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/16
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11550.000	2.451	43.590	46.041	-27.959	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11550.000	3.363	46.960	50.323	-23.677	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10360.000	-2.181	43.910	41.729	-32.271	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	44.110	42.723	-31.277	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10440.000	-1.613	42.930	41.317	-32.683	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	42.900	42.210	-31.790	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10480.000	-1.075	43.220	42.146	-31.854	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	43.030	42.883	-31.117	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	42.920	42.345	-31.655	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	43.440	43.668	-30.332	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10600.000	0.309	44.170	44.478	-29.522	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	43.750	44.390	-29.610	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10640.000	0.316	43.580	43.896	-30.104	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	44.310	45.019	-28.981	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	42.730	44.439	-29.561	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	47.590	50.031	-23.969	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11160.000	2.230	42.970	45.200	-28.800	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	49.510	52.719	-21.281	74.000
16740.000	*	*	*	*	74.000
22320.000	*	*	*	*	74.000
27900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	2.101	45.100	47.202	-26.798	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	53.950	56.659	-17.341	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	2.709	40.140	42.849	-11.151	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5745MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	42.760	45.432	-28.568	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	54.030	57.630	-16.370	74.000
17235.000	*	*	*	*	74.000
22980.000	*	*	*	*	74.000
28752.000	*	*	*	*	74.000
34470.000	*	*	*	*	74.000
40215.000	*	*	*	*	74.000
Average Detector:					
11490.000	3.600	34.150	37.750	-16.250	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5785MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	42.690	45.026	-28.974	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	3.225	52.970	56.194	-17.806	74.000
17355.000	*	*	*	*	74.000
20800.000	*	*	*	*	74.000
26000.000	*	*	*	*	74.000
31200.000	*	*	*	*	74.000
36400.000	*	*	*	*	74.000
Average					
Detector:					
11570.000	3.225	37.220	40.444	-13.556	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5825MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	43.080	44.689	-29.311	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	53.620	56.345	-17.655	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	2.724	38.980	41.705	-12.295	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5180MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10360.000	-2.181	44.170	41.989	-32.011	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10360.000	-1.387	44.940	43.553	-30.447	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10440.000	-1.613	43.030	41.417	-32.583	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10440.000	-0.690	45.150	44.460	-29.540	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5240MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
10480.000	-1.075	43.240	42.166	-31.834	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10480.000	-0.148	43.540	43.393	-30.607	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5260MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10520.000	-0.575	43.330	42.755	-31.245	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	0.228	44.960	45.188	-28.812	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10600.000	0.309	42.940	43.248	-30.752	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	0.640	44.610	45.250	-28.750	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5320MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10640.000	0.316	43.560	43.876	-30.124	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	0.709	44.660	45.369	-28.631	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5500MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11000.000	1.709	43.290	44.999	-29.001	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	2.442	44.220	46.661	-27.339	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11160.000	2.230	42.240	44.470	-29.530	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	3.209	44.280	47.489	-26.511	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5700MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11400.000	2.101	44.670	46.772	-27.228	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	2.709	44.240	46.949	-27.051	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5745MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11490.000	2.672	43.340	46.012	-27.988	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11490.000	3.600	50.490	54.090	-19.910	74.000
17235.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
11490.000	3.600	31.940	35.540	-18.460	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	2.336	42.460	44.796	-29.204	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11570.000	2.336	50.360	52.696	-21.304	74.000
17355.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
31320.000	*	*	*	*	74.000
36540.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5825MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11650.000	1.608	43.060	44.669	-29.331	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11650.000	2.724	52.750	55.475	-18.525	74.000
17475.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
31440.000	*	*	*	*	74.000
36680.000	*	*	*	*	74.000
Average					
Detector:					
11650.000	2.724	36.580	39.305	-14.695	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5190MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10380.000	-2.167	42.880	40.713	-33.287	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10380.000	-1.310	43.430	42.120	-31.880	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
10460.000	-1.343	43.730	42.386	-31.614	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10460.000	-0.418	47.070	46.651	-27.349	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5270MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10540.000	-0.344	44.250	43.906	-30.094	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	0.334	44.350	44.684	-29.316	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
10620.000	0.331	44.100	44.431	-29.569	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	0.678	46.220	46.898	-27.102	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5510MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
11020.000	1.816	44.230	46.045	-27.955	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	2.566	48.230	50.796	-23.204	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
11100.000	2.151	45.060	47.211	-26.789	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	2.993	48.060	51.053	-22.947	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5670MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
11340.000	1.996	45.180	47.175	-26.825	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	2.755	49.180	51.935	-22.065	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11510.000	2.683	44.030	46.713	-27.287	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11510.000	3.640	50.007	53.647	-20.353	74.000
17265.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
31140.000	*	*	*	*	74.000
36330.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5795MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11590.000	2.216	45.070	47.286	-26.714	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11590.000	3.082	49.070	52.152	-21.848	74.000
17385.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
31380.000	*	*	*	*	74.000
36610.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11440.000	2.347	45.370	47.717	-26.283	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11440.000	3.087	49.240	52.327	-21.673	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11420.000	2.217	44.390	46.606	-27.394	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11420.000	2.880	49.520	52.400	-21.600	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10420.000	-1.883	42.200	40.316	-33.684	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10420.000	-0.961	44.070	43.108	-30.892	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
10580.000	0.118	43.790	43.908	-30.092	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10580.000	0.544	43.510	44.054	-29.946	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11060.000	1.986	44.310	46.296	-27.704	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11060.000	2.781	46.310	49.091	-24.909	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5610MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11220.000	2.213	44.370	46.584	-27.416	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11220.000	3.244	45.670	48.914	-25.086	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5690MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11380.000	2.056	44.270	46.327	-27.673	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11380.000	2.701	49.660	52.362	-21.638	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Date : 2018/07/12
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11550.000	2.451	44.100	46.551	-27.449	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11550.000	3.363	47.480	50.843	-23.157	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	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 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
123.120	-7.320	46.864	39.544	-3.956	43.500
220.120	-10.173	47.648	37.475	-8.525	46.000
379.200	1.301	42.597	43.898	-2.102	46.000
600.360	3.472	37.999	41.471	-4.529	46.000
800.180	6.417	35.430	41.847	-4.153	46.000
937.920	6.750	34.166	40.916	-5.084	46.000
Vertical					
Peak Detector					
123.120	-3.630	43.608	39.978	-3.522	43.500
179.380	-0.824	42.531	41.707	-1.793	43.500
379.200	0.881	41.341	42.222	-3.778	46.000
499.480	-0.199	35.003	34.803	-11.197	46.000
600.360	1.302	34.383	35.685	-10.315	46.000
802.120	2.966	36.600	39.566	-6.434	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.662	40.985	-2.515	43.500
220.120	-10.173	48.599	38.426	-7.574	46.000
375.320	0.918	44.194	45.112	-0.888	46.000
600.360	3.472	39.313	42.785	-3.215	46.000
802.120	6.356	35.609	41.965	-4.035	46.000
937.920	6.750	33.131	39.881	-6.119	46.000
Vertical					
Peak Detector					
123.120	-3.630	42.852	39.222	-4.278	43.500
200.720	-5.676	43.350	37.674	-5.826	43.500
385.020	-0.441	42.464	42.023	-3.977	46.000
499.480	-0.199	34.426	34.226	-11.774	46.000
600.360	1.302	33.767	35.069	-10.931	46.000
802.120	2.966	35.846	38.812	-7.188	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
123.120	-7.320	47.656	40.336	-3.164	43.500
379.200	1.301	43.242	44.543	-1.457	46.000
600.360	3.472	38.665	42.137	-3.863	46.000
701.240	2.759	34.591	37.350	-8.650	46.000
800.180	6.417	34.126	40.543	-5.457	46.000
937.920	6.750	34.324	41.074	-4.926	46.000
Vertical					
Peak Detector					
111.480	-3.439	42.514	39.076	-4.424	43.500
179.380	-0.824	39.026	38.202	-5.298	43.500
379.200	0.881	41.849	42.730	-3.270	46.000
600.360	1.302	34.575	35.877	-10.123	46.000
701.240	-0.541	34.502	33.961	-12.039	46.000
802.120	2.966	36.188	39.154	-6.846	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
103.720	-8.230	49.117	40.886	-2.614	43.500
379.200	1.301	42.455	43.756	-2.244	46.000
600.360	3.472	39.712	43.184	-2.816	46.000
701.240	2.759	33.251	36.010	-9.990	46.000
800.180	6.417	34.043	40.460	-5.540	46.000
937.920	6.750	33.036	39.786	-6.214	46.000
Vertical					
Peak Detector					
121.180	-3.559	42.613	39.054	-4.446	43.500
177.440	-1.248	41.356	40.108	-3.392	43.500
379.200	0.881	41.438	42.319	-3.681	46.000
600.360	1.302	35.318	36.620	-9.380	46.000
701.240	-0.541	35.529	34.988	-11.012	46.000
802.120	2.966	36.010	38.976	-7.024	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
119.240	-7.291	47.977	40.687	-2.813	43.500
200.720	-9.846	50.355	40.509	-2.991	43.500
375.320	0.918	41.812	42.730	-3.270	46.000
600.360	3.472	41.573	45.045	-0.955	46.000
802.120	6.356	35.463	41.819	-4.181	46.000
937.920	6.750	33.454	40.204	-5.796	46.000
Vertical					
Peak Detector					
111.480	-3.439	42.305	38.867	-4.633	43.500
179.380	-0.824	38.447	37.623	-5.877	43.500
379.200	0.881	41.011	41.892	-4.108	46.000
499.480	-0.199	35.018	34.818	-11.182	46.000
600.360	1.302	34.240	35.542	-10.458	46.000
802.120	2.966	36.313	39.279	-6.721	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
111.480	-7.489	47.742	40.254	-3.246	43.500
379.200	1.301	43.615	44.916	-1.084	46.000
600.360	3.472	38.370	41.842	-4.158	46.000
701.240	2.759	35.318	38.077	-7.923	46.000
800.180	6.417	35.153	41.570	-4.430	46.000
937.920	6.750	32.804	39.554	-6.446	46.000
Vertical					
Peak Detector					
121.180	-3.559	43.106	39.547	-3.953	43.500
179.380	-0.824	39.201	38.377	-5.123	43.500
379.200	0.881	40.813	41.694	-4.306	46.000
499.480	-0.199	35.468	35.268	-10.732	46.000
600.360	1.302	35.239	36.541	-9.459	46.000
800.180	2.637	36.935	39.572	-6.428	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	48.298	40.621	-2.879	43.500
379.200	1.301	43.937	45.238	-0.762	46.000
511.120	3.173	33.335	36.508	-9.492	46.000
600.360	3.472	38.471	41.943	-4.057	46.000
802.120	6.356	34.545	40.901	-5.099	46.000
937.920	6.750	34.168	40.918	-5.082	46.000
Vertical					
Peak Detector					
109.540	-3.507	42.907	39.399	-4.101	43.500
183.260	-3.735	43.096	39.361	-4.139	43.500
379.200	0.881	41.306	42.187	-3.813	46.000
600.360	1.302	36.204	37.506	-8.494	46.000
701.240	-0.541	35.065	34.524	-11.476	46.000
802.120	2.966	36.859	39.825	-6.175	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	49.108	41.431	-2.069	43.500
375.320	0.918	43.520	44.438	-1.562	46.000
499.480	1.991	35.064	37.054	-8.946	46.000
600.360	3.472	37.568	41.040	-4.960	46.000
802.120	6.356	34.637	40.993	-5.007	46.000
937.920	6.750	34.656	41.406	-4.594	46.000
Vertical					
Peak Detector					
123.120	-3.630	43.468	39.838	-3.662	43.500
181.320	-1.910	39.005	37.095	-6.405	43.500
379.200	0.881	40.603	41.484	-4.516	46.000
460.680	-1.930	36.779	34.849	-11.151	46.000
600.360	1.302	33.718	35.020	-10.980	46.000
802.120	2.966	35.463	38.429	-7.571	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
204.600	-10.493	50.306	39.813	-3.687	43.500
379.200	1.301	43.449	44.750	-1.250	46.000
600.360	3.472	38.705	42.177	-3.823	46.000
701.240	2.759	34.878	37.637	-8.363	46.000
800.180	6.417	35.705	42.122	-3.878	46.000
937.920	6.750	34.259	41.009	-4.991	46.000
Vertical					
Peak Detector					
109.540	-3.507	42.857	39.349	-4.151	43.500
198.780	-5.708	43.706	37.998	-5.502	43.500
379.200	0.881	40.678	41.559	-4.441	46.000
460.680	-1.930	37.580	35.650	-10.350	46.000
600.360	1.302	35.914	37.216	-8.784	46.000
802.120	2.966	36.355	39.321	-6.679	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	48.402	40.725	-2.775	43.500
375.320	0.918	44.191	45.109	-0.891	46.000
499.480	1.991	36.640	38.630	-7.370	46.000
600.360	3.472	40.412	43.884	-2.116	46.000
701.240	2.759	35.448	38.207	-7.793	46.000
802.120	6.356	35.012	41.368	-4.632	46.000
Vertical					
Peak Detector					
111.480	-3.439	42.183	38.745	-4.755	43.500
200.720	-5.676	43.397	37.721	-5.779	43.500
379.200	0.881	41.732	42.613	-3.387	46.000
499.480	-0.199	34.913	34.713	-11.287	46.000
600.360	1.302	34.201	35.503	-10.497	46.000
802.120	2.966	36.144	39.110	-6.890	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
113.420	-7.449	47.970	40.521	-2.979	43.500
375.320	0.918	43.726	44.644	-1.356	46.000
499.480	1.991	37.478	39.468	-6.532	46.000
600.360	3.472	38.040	41.512	-4.488	46.000
802.120	6.356	35.176	41.532	-4.468	46.000
937.920	6.750	32.331	39.081	-6.919	46.000
Vertical					
Peak Detector					
109.540	-3.507	42.462	38.954	-4.546	43.500
183.260	-3.735	41.004	37.269	-6.231	43.500
375.320	0.388	41.621	42.009	-3.991	46.000
499.480	-0.199	34.320	34.120	-11.880	46.000
600.360	1.302	35.033	36.335	-9.665	46.000
800.180	2.637	37.345	39.982	-6.018	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.2)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	49.303	41.626	-1.874	43.500
220.120	-10.173	48.265	38.092	-7.908	46.000
379.200	1.301	43.350	44.651	-1.349	46.000
600.360	3.472	39.830	43.302	-2.698	46.000
800.180	6.417	34.970	41.387	-4.613	46.000
937.920	6.750	33.118	39.868	-6.132	46.000
Vertical					
Peak Detector					
111.480	-3.439	42.632	39.194	-4.306	43.500
179.380	-0.824	37.704	36.880	-6.620	43.500
379.200	0.881	41.962	42.843	-3.157	46.000
499.480	-0.199	34.442	34.242	-11.758	46.000
600.360	1.302	35.969	37.271	-8.729	46.000
802.120	2.966	36.825	39.791	-6.209	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
113.420	-7.449	41.388	33.939	-9.561	43.500
268.620	-5.522	47.734	42.212	-3.788	46.000
499.480	1.991	42.157	44.147	-1.853	46.000
625.580	1.419	36.817	38.237	-7.763	46.000
749.740	3.963	34.104	38.067	-7.933	46.000
937.920	6.750	33.913	40.663	-5.337	46.000
Vertical					
Peak Detector					
173.560	-2.713	43.893	41.180	-2.320	43.500
191.020	-5.629	41.852	36.223	-7.277	43.500
348.160	-0.890	38.839	37.949	-8.051	46.000
600.360	1.302	34.269	35.571	-10.429	46.000
802.120	2.966	36.002	38.968	-7.032	46.000
937.920	3.110	36.198	39.308	-6.692	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
262.800	-5.484	47.212	41.728	-4.272	46.000
299.660	-4.751	47.739	42.988	-3.012	46.000
499.480	1.991	39.308	41.298	-4.702	46.000
600.360	3.472	34.355	37.827	-8.173	46.000
802.120	6.356	36.644	43.000	-3.000	46.000
937.920	6.750	31.750	38.500	-7.500	46.000
Vertical					
Peak Detector					
173.560	-2.713	43.008	40.295	-3.205	43.500
377.260	0.647	34.624	35.271	-10.729	46.000
600.360	1.302	32.730	34.032	-11.968	46.000
701.240	-0.541	35.481	34.940	-11.060	46.000
802.120	2.966	35.430	38.396	-7.604	46.000
937.920	3.110	35.728	38.838	-7.162	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
113.420	-7.449	47.705	40.256	-3.244	43.500
375.320	0.918	43.875	44.793	-1.207	46.000
499.480	1.991	35.507	37.497	-8.503	46.000
600.360	3.472	37.990	41.462	-4.538	46.000
800.180	6.417	35.618	42.035	-3.965	46.000
937.920	6.750	33.601	40.351	-5.649	46.000
Vertical					
Peak Detector					
109.540	-3.507	42.504	38.996	-4.504	43.500
177.440	-1.248	39.947	38.699	-4.801	43.500
379.200	0.881	41.661	42.542	-3.458	46.000
499.480	-0.199	35.306	35.106	-10.894	46.000
600.360	1.302	35.611	36.913	-9.087	46.000
802.120	2.966	36.842	39.808	-6.192	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
107.600	-7.597	48.891	41.294	-2.206	43.500
373.380	0.873	43.679	44.552	-1.448	46.000
499.480	1.991	36.396	38.386	-7.614	46.000
600.360	3.472	40.092	43.564	-2.436	46.000
701.240	2.759	35.136	37.895	-8.105	46.000
800.180	6.417	34.237	40.654	-5.346	46.000
Vertical					
Peak Detector					
111.480	-3.439	43.123	39.685	-3.815	43.500
177.440	-1.248	41.408	40.160	-3.340	43.500
319.060	-4.135	41.420	37.285	-8.715	46.000
379.200	0.881	41.612	42.493	-3.507	46.000
600.360	1.302	35.345	36.647	-9.353	46.000
802.120	2.966	37.266	40.232	-5.768	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
165.800	-9.915	49.161	39.246	-4.254	43.500
375.320	0.918	43.835	44.753	-1.247	46.000
499.480	1.991	35.992	37.982	-8.018	46.000
600.360	3.472	37.415	40.887	-5.113	46.000
802.120	6.356	37.997	44.353	-1.647	46.000
901.060	5.878	34.708	40.586	-5.414	46.000
Vertical					
Peak Detector					
121.180	-3.559	39.779	36.220	-7.280	43.500
202.660	-5.573	41.406	35.834	-7.666	43.500
383.080	0.195	41.059	41.254	-4.746	46.000
499.480	-0.199	32.910	32.710	-13.290	46.000
600.360	1.302	34.331	35.633	-10.367	46.000
802.120	2.966	37.158	40.124	-5.876	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.2)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
123.120	-7.320	48.178	40.858	-2.642	43.500
204.600	-10.493	49.193	38.700	-4.800	43.500
375.320	0.918	40.814	41.732	-4.268	46.000
600.360	3.472	39.448	42.920	-3.080	46.000
800.180	6.417	34.375	40.792	-5.208	46.000
937.920	6.750	32.187	38.937	-7.063	46.000
Vertical					
Peak Detector					
121.180	-3.559	43.007	39.448	-4.052	43.500
177.440	-1.248	42.335	41.087	-2.413	43.500
319.060	-4.135	41.561	37.426	-8.574	46.000
379.200	0.881	41.429	42.310	-3.690	46.000
600.360	1.302	34.466	35.768	-10.232	46.000
802.120	2.966	36.660	39.626	-6.374	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
200.720	-9.846	50.197	40.351	-3.149	43.500
377.260	1.107	41.826	42.933	-3.067	46.000
499.480	1.991	38.256	40.246	-5.754	46.000
600.360	3.472	37.038	40.510	-5.490	46.000
701.240	2.759	37.566	40.325	-5.675	46.000
800.180	6.417	38.055	44.472	-1.528	46.000
Vertical					
Peak Detector					
121.180	-3.559	41.887	38.328	-5.172	43.500
181.320	-1.910	42.236	40.326	-3.174	43.500
379.200	0.881	41.208	42.089	-3.911	46.000
600.360	1.302	36.099	37.401	-8.599	46.000
701.240	-0.541	34.300	33.759	-12.241	46.000
802.120	2.966	35.570	38.536	-7.464	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
107.600	-7.597	48.265	40.668	-2.832	43.500
379.200	1.301	42.915	44.216	-1.784	46.000
499.480	1.991	36.286	38.276	-7.724	46.000
600.360	3.472	35.731	39.203	-6.797	46.000
802.120	6.356	36.954	43.310	-2.690	46.000
937.920	6.750	33.469	40.219	-5.781	46.000
Vertical					
Peak Detector					
119.240	-3.571	42.854	39.284	-4.216	43.500
179.380	-0.824	41.335	40.511	-2.989	43.500
379.200	0.881	41.136	42.017	-3.983	46.000
600.360	1.302	33.027	34.329	-11.671	46.000
701.240	-0.541	34.575	34.034	-11.966	46.000
802.120	2.966	34.593	37.559	-8.441	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
200.720	-9.846	49.485	39.639	-3.861	43.500
379.200	1.301	44.058	45.359	-0.641	46.000
499.480	1.991	38.127	40.117	-5.883	46.000
600.360	3.472	37.293	40.765	-5.235	46.000
802.120	6.356	36.412	42.768	-3.232	46.000
901.060	5.878	33.228	39.106	-6.894	46.000
Vertical					
Peak Detector					
107.600	-4.027	41.878	37.851	-5.649	43.500
185.200	-5.401	42.273	36.872	-6.628	43.500
383.080	0.195	42.683	42.878	-3.122	46.000
600.360	1.302	34.124	35.426	-10.574	46.000
701.240	-0.541	34.817	34.276	-11.724	46.000
802.120	2.966	35.222	38.188	-7.812	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	48.381	40.704	-2.796	43.500
379.200	1.301	42.126	43.427	-2.573	46.000
499.480	1.991	38.704	40.694	-5.306	46.000
701.240	2.759	37.032	39.791	-6.209	46.000
802.120	6.356	36.840	43.196	-2.804	46.000
937.920	6.750	34.113	40.863	-5.137	46.000
Vertical					
Peak Detector					
105.660	-4.576	43.448	38.871	-4.629	43.500
173.560	-2.713	41.910	39.197	-4.303	43.500
381.140	0.816	41.046	41.862	-4.138	46.000
460.680	-1.930	35.870	33.940	-12.060	46.000
701.240	-0.541	35.185	34.644	-11.356	46.000
802.120	2.966	35.753	38.719	-7.281	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	47.963	40.286	-3.214	43.500
379.200	1.301	43.402	44.703	-1.297	46.000
600.360	3.472	36.642	40.114	-5.886	46.000
701.240	2.759	38.750	41.509	-4.491	46.000
800.180	6.417	37.326	43.743	-2.257	46.000
901.060	5.878	33.676	39.554	-6.446	46.000
Vertical					
Peak Detector					
111.480	-3.439	41.282	37.844	-5.656	43.500
185.200	-5.401	44.258	38.857	-4.643	43.500
379.200	0.881	41.817	42.698	-3.302	46.000
460.680	-1.930	36.522	34.592	-11.408	46.000
600.360	1.302	33.548	34.850	-11.150	46.000
802.120	2.966	35.650	38.616	-7.384	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.117	40.440	-3.060	43.500
225.940	-9.647	46.363	36.716	-9.284	46.000
379.200	1.301	42.950	44.251	-1.749	46.000
600.360	3.472	36.809	40.281	-5.719	46.000
701.240	2.759	37.933	40.692	-5.308	46.000
802.120	6.356	36.592	42.948	-3.052	46.000
Vertical					
Peak Detector					
105.660	-4.576	43.560	38.983	-4.517	43.500
173.560	-2.713	41.087	38.374	-5.126	43.500
379.200	0.881	41.673	42.554	-3.446	46.000
458.740	-2.562	35.974	33.412	-12.588	46.000
600.360	1.302	32.299	33.601	-12.399	46.000
802.120	2.966	35.684	38.650	-7.350	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.228	40.551	-2.949	43.500
379.200	1.301	44.028	45.329	-0.671	46.000
600.360	3.472	36.853	40.325	-5.675	46.000
701.240	2.759	39.280	42.039	-3.961	46.000
802.120	6.356	36.308	42.664	-3.336	46.000
937.920	6.750	33.917	40.667	-5.333	46.000
Vertical					
Peak Detector					
111.480	-3.439	42.392	38.954	-4.546	43.500
181.320	-1.910	42.174	40.264	-3.236	43.500
379.200	0.881	42.603	43.484	-2.516	46.000
458.740	-2.562	37.938	35.376	-10.624	46.000
600.360	1.302	33.209	34.511	-11.489	46.000
802.120	2.966	35.697	38.663	-7.337	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	48.705	41.028	-2.472	43.500
379.200	1.301	44.121	45.422	-0.578	46.000
600.360	3.472	37.908	41.380	-4.620	46.000
701.240	2.759	39.082	41.841	-4.159	46.000
802.120	6.356	38.206	44.562	-1.438	46.000
937.920	6.750	32.946	39.696	-6.304	46.000
Vertical					
Peak Detector					
119.240	-3.571	43.340	39.770	-3.730	43.500
379.200	0.881	42.870	43.751	-2.249	46.000
458.740	-2.562	37.110	34.548	-11.452	46.000
600.360	1.302	33.412	34.714	-11.286	46.000
701.240	-0.541	35.170	34.629	-11.371	46.000
802.120	2.966	35.311	38.277	-7.723	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
204.600	-10.493	48.876	38.383	-5.117	43.500
379.200	1.301	43.581	44.882	-1.118	46.000
600.360	3.472	37.071	40.543	-5.457	46.000
701.240	2.759	37.838	40.597	-5.403	46.000
800.180	6.417	36.330	42.747	-3.253	46.000
937.920	6.750	32.629	39.379	-6.621	46.000
Vertical					
Peak Detector					
121.180	-3.559	41.858	38.299	-5.201	43.500
179.380	-0.824	37.095	36.271	-7.229	43.500
379.200	0.881	42.413	43.294	-2.706	46.000
499.480	-0.199	34.503	34.303	-11.697	46.000
701.240	-0.541	35.320	34.779	-11.221	46.000
802.120	2.966	35.281	38.247	-7.753	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.738	41.061	-2.439	43.500
373.380	0.873	43.223	44.096	-1.904	46.000
499.480	1.991	36.805	38.795	-7.205	46.000
600.360	3.472	37.035	40.507	-5.493	46.000
800.180	6.417	36.861	43.278	-2.722	46.000
937.920	6.750	32.500	39.250	-6.750	46.000
Vertical					
Peak Detector					
121.180	-3.559	41.916	38.357	-5.143	43.500
179.380	-0.824	37.820	36.996	-6.504	43.500
379.200	0.881	42.493	43.374	-2.626	46.000
600.360	1.302	33.578	34.880	-11.120	46.000
701.240	-0.541	35.246	34.705	-11.295	46.000
802.120	2.966	35.868	38.834	-7.166	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.916	41.239	-2.261	43.500
379.200	1.301	43.276	44.577	-1.423	46.000
600.360	3.472	36.988	40.460	-5.540	46.000
701.240	2.759	39.631	42.390	-3.610	46.000
800.180	6.417	38.026	44.443	-1.557	46.000
901.060	5.878	35.087	40.965	-5.035	46.000
Vertical					
Peak Detector					
123.120	-3.630	41.849	38.219	-5.281	43.500
183.260	-3.735	43.789	40.054	-3.446	43.500
379.200	0.881	41.660	42.541	-3.459	46.000
460.680	-1.930	35.184	33.254	-12.746	46.000
600.360	1.302	31.373	32.675	-13.325	46.000
802.120	2.966	34.884	37.850	-8.150	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.8)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
123.120	-7.320	44.779	37.459	-6.041	43.500
319.060	-4.585	45.596	41.011	-4.989	46.000
379.200	1.301	42.299	43.600	-2.400	46.000
499.480	1.991	36.739	38.729	-7.271	46.000
600.360	3.472	35.886	39.358	-6.642	46.000
802.120	6.356	37.229	43.585	-2.415	46.000
Vertical					
Peak Detector					
181.320	-1.910	42.330	40.420	-3.080	43.500
379.200	0.881	42.910	43.791	-2.209	46.000
460.680	-1.930	36.292	34.362	-11.638	46.000
600.360	1.302	31.304	32.606	-13.394	46.000
701.240	-0.541	33.652	33.111	-12.889	46.000
802.120	2.966	34.358	37.324	-8.676	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
111.480	-7.489	42.509	35.021	-8.479	43.500
268.620	-5.522	47.741	42.219	-3.781	46.000
392.780	0.810	41.462	42.272	-3.728	46.000
468.440	3.544	37.662	41.206	-4.794	46.000
625.580	1.419	37.859	39.279	-6.721	46.000
901.060	5.878	34.749	40.627	-5.373	46.000
Vertical					
Peak Detector					
101.780	-5.570	46.204	40.633	-2.867	43.500
173.560	-2.713	39.572	36.859	-6.641	43.500
348.160	-0.890	39.714	38.824	-7.176	46.000
600.360	1.302	36.240	37.542	-8.458	46.000
802.120	2.966	36.559	39.525	-6.475	46.000
937.920	3.110	36.045	39.155	-6.845	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
111.480	-7.489	40.672	33.184	-10.316	43.500
175.500	-9.792	46.660	36.868	-6.632	43.500
299.660	-4.751	46.837	42.086	-3.914	46.000
468.440	3.544	37.482	41.026	-4.974	46.000
625.580	1.419	37.358	38.778	-7.222	46.000
901.060	5.878	35.762	41.640	-4.360	46.000
Vertical					
Peak Detector					
103.720	-5.090	45.034	39.943	-3.557	43.500
171.620	-3.691	40.698	37.007	-6.493	43.500
348.160	-0.890	38.624	37.734	-8.266	46.000
600.360	1.302	34.773	36.075	-9.925	46.000
802.120	2.966	37.021	39.987	-6.013	46.000
937.920	3.110	36.231	39.341	-6.659	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
115.360	-7.390	44.155	36.766	-6.734	43.500
379.200	1.301	44.169	45.470	-0.530	46.000
499.480	1.991	36.718	38.708	-7.292	46.000
600.360	3.472	34.119	37.591	-8.409	46.000
701.240	2.759	35.236	37.995	-8.005	46.000
800.180	6.417	36.869	43.286	-2.714	46.000
Vertical					
Peak Detector					
179.380	-0.824	41.750	40.926	-2.574	43.500
379.200	0.881	42.152	43.033	-2.967	46.000
460.680	-1.930	36.151	34.221	-11.779	46.000
600.360	1.302	31.930	33.232	-12.768	46.000
701.240	-0.541	33.966	33.425	-12.575	46.000
802.120	2.966	35.430	38.396	-7.604	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
113.420	-7.449	45.508	38.059	-5.441	43.500
379.200	1.301	43.089	44.390	-1.610	46.000
600.360	3.472	36.346	39.818	-6.182	46.000
701.240	2.759	37.997	40.756	-5.244	46.000
800.180	6.417	36.620	43.037	-2.963	46.000
901.060	5.878	32.234	38.112	-7.888	46.000
Vertical					
Peak Detector					
181.320	-1.910	41.779	39.869	-3.631	43.500
379.200	0.881	41.077	41.958	-4.042	46.000
499.480	-0.199	33.092	32.892	-13.108	46.000
600.360	1.302	30.821	32.123	-13.877	46.000
701.240	-0.541	33.546	33.005	-12.995	46.000
802.120	2.966	35.071	38.037	-7.963	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
202.660	-10.183	46.646	36.464	-7.036	43.500
379.200	1.301	42.038	43.339	-2.661	46.000
499.480	1.991	37.920	39.910	-6.090	46.000
600.360	3.472	35.230	38.702	-7.298	46.000
701.240	2.759	35.057	37.816	-8.184	46.000
800.180	6.417	37.198	43.615	-2.385	46.000
Vertical					
Peak Detector					
181.320	-1.910	42.483	40.573	-2.927	43.500
379.200	0.881	41.124	42.005	-3.995	46.000
460.680	-1.930	35.191	33.261	-12.739	46.000
600.360	1.302	32.086	33.388	-12.612	46.000
701.240	-0.541	33.918	33.377	-12.623	46.000
802.120	2.966	34.744	37.710	-8.290	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.8)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
123.120	-7.320	47.946	40.626	-2.874	43.500
222.060	-10.124	48.087	37.962	-8.038	46.000
375.320	0.918	43.545	44.463	-1.537	46.000
600.360	3.472	39.712	43.184	-2.816	46.000
800.180	6.417	37.520	43.937	-2.063	46.000
901.060	5.878	35.029	40.907	-5.093	46.000
Vertical					
Peak Detector					
123.120	-3.630	42.759	39.129	-4.371	43.500
173.560	-2.713	42.281	39.568	-3.932	43.500
319.060	-4.135	40.902	36.767	-9.233	46.000
377.260	0.647	43.035	43.682	-2.318	46.000
600.360	1.302	36.359	37.661	-8.339	46.000
802.120	2.966	35.980	38.946	-7.054	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
140.580	-7.561	43.455	35.894	-7.606	43.500
340.400	-3.237	46.431	43.194	-2.806	46.000
379.200	1.301	41.484	42.785	-3.215	46.000
600.360	3.472	39.533	43.005	-2.995	46.000
802.120	6.356	37.816	44.172	-1.828	46.000
901.060	5.878	34.305	40.183	-5.817	46.000
Vertical					
Peak Detector					
179.380	-0.824	41.411	40.587	-2.913	43.500
253.100	-5.039	38.713	33.674	-12.326	46.000
377.260	0.647	43.283	43.930	-2.070	46.000
462.620	-2.571	37.881	35.310	-10.690	46.000
600.360	1.302	32.702	34.004	-11.996	46.000
802.120	2.966	36.245	39.211	-6.789	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
148.340	-7.806	44.309	36.503	-6.997	43.500
334.580	-3.523	47.354	43.831	-2.169	46.000
600.360	3.472	39.023	42.495	-3.505	46.000
701.240	2.759	35.604	38.363	-7.637	46.000
800.180	6.417	36.422	42.839	-3.161	46.000
901.060	5.878	35.019	40.897	-5.103	46.000
Vertical					
Peak Detector					
119.240	-3.571	40.507	36.937	-6.563	43.500
175.500	-1.842	41.877	40.035	-3.465	43.500
379.200	0.881	41.832	42.713	-3.287	46.000
462.620	-2.571	37.635	35.064	-10.936	46.000
600.360	1.302	34.855	36.157	-9.843	46.000
802.120	2.966	35.909	38.875	-7.125	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	45.927	38.250	-5.250	43.500
383.080	1.305	41.269	42.574	-3.426	46.000
600.360	3.472	38.178	41.650	-4.350	46.000
701.240	2.759	35.857	38.616	-7.384	46.000
802.120	6.356	37.002	43.358	-2.642	46.000
901.060	5.878	33.756	39.634	-6.366	46.000
Vertical					
Peak Detector					
179.380	-0.824	42.093	41.269	-2.231	43.500
377.260	0.647	42.035	42.682	-3.318	46.000
458.740	-2.562	38.513	35.951	-10.049	46.000
600.360	1.302	33.502	34.804	-11.196	46.000
802.120	2.966	35.359	38.325	-7.675	46.000
937.920	3.110	29.065	32.175	-13.825	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	46.225	38.548	-4.952	43.500
385.020	1.209	40.777	41.986	-4.014	46.000
460.680	4.030	33.623	37.653	-8.347	46.000
600.360	3.472	37.489	40.961	-5.039	46.000
701.240	2.759	34.876	37.635	-8.365	46.000
802.120	6.356	37.730	44.086	-1.914	46.000

Vertical					
Peak Detector					
177.440	-1.248	42.177	40.929	-2.571	43.500
379.200	0.881	41.763	42.644	-3.356	46.000
458.740	-2.562	37.847	35.285	-10.715	46.000
600.360	1.302	32.784	34.086	-11.914	46.000
802.120	2.966	35.961	38.927	-7.073	46.000
937.920	3.110	29.503	32.613	-13.387	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
119.240	-7.291	42.947	35.657	-7.843	43.500
321.000	-4.563	44.148	39.585	-6.415	46.000
379.200	1.301	41.777	43.078	-2.922	46.000
600.360	3.472	36.637	40.109	-5.891	46.000
800.180	6.417	37.397	43.814	-2.186	46.000
901.060	5.878	30.115	35.993	-10.007	46.000
Vertical					
Peak Detector					
173.560	-2.713	39.658	36.945	-6.555	43.500
379.200	0.881	42.247	43.128	-2.872	46.000
460.680	-1.930	36.208	34.278	-11.722	46.000
600.360	1.302	33.691	34.993	-11.007	46.000
701.240	-0.541	32.027	31.486	-14.514	46.000
802.120	2.966	35.804	38.770	-7.230	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
138.640	-7.519	42.858	35.339	-8.161	43.500
379.200	1.301	41.061	42.362	-3.638	46.000
600.360	3.472	39.051	42.523	-3.477	46.000
701.240	2.759	35.243	38.002	-7.998	46.000
802.120	6.356	37.414	43.770	-2.230	46.000
901.060	5.878	33.867	39.745	-6.255	46.000
Vertical					
Peak Detector					
173.560	-2.713	43.534	40.821	-2.679	43.500
386.960	-0.708	42.234	41.526	-4.474	46.000
458.740	-2.562	37.588	35.026	-10.974	46.000
600.360	1.302	33.031	34.333	-11.667	46.000
802.120	2.966	36.032	38.998	-7.002	46.000
937.920	3.110	30.039	33.149	-12.851	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
107.600	-7.597	44.349	36.752	-6.748	43.500
321.000	-4.563	43.804	39.241	-6.759	46.000
383.080	1.305	41.669	42.974	-3.026	46.000
600.360	3.472	36.099	39.571	-6.429	46.000
802.120	6.356	37.375	43.731	-2.269	46.000
901.060	5.878	32.341	38.219	-7.781	46.000
Vertical					
Peak Detector					
121.180	-3.559	41.819	38.260	-5.240	43.500
251.160	-4.958	38.140	33.182	-12.818	46.000
379.200	0.881	41.004	41.885	-4.115	46.000
458.740	-2.562	36.678	34.116	-11.884	46.000
600.360	1.302	33.580	34.882	-11.118	46.000
802.120	2.966	36.608	39.574	-6.426	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
107.600	-7.597	45.583	37.986	-5.514	43.500
386.960	1.112	41.299	42.411	-3.589	46.000
600.360	3.472	34.849	38.321	-7.679	46.000
701.240	2.759	34.998	37.757	-8.243	46.000
802.120	6.356	37.140	43.496	-2.504	46.000
901.060	5.878	30.703	36.581	-9.419	46.000
Vertical					
Peak Detector					
121.180	-3.559	39.832	36.273	-7.227	43.500
173.560	-2.713	40.516	37.803	-5.697	43.500
379.200	0.881	40.888	41.769	-4.231	46.000
458.740	-2.562	38.432	35.870	-10.130	46.000
600.360	1.302	34.132	35.434	-10.566	46.000
802.120	2.966	36.456	39.422	-6.578	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
167.740	-9.816	47.821	38.005	-5.495	43.500
334.580	-3.523	45.314	41.791	-4.209	46.000
385.020	1.209	42.490	43.699	-2.301	46.000
600.360	3.472	36.647	40.119	-5.881	46.000
701.240	2.759	35.543	38.302	-7.698	46.000
800.180	6.417	36.624	43.041	-2.959	46.000
Vertical					
Peak Detector					
121.180	-3.559	39.400	35.841	-7.659	43.500
173.560	-2.713	38.673	35.960	-7.540	43.500
379.200	0.881	41.256	42.137	-3.863	46.000
499.480	-0.199	33.636	33.436	-12.564	46.000
600.360	1.302	33.540	34.842	-11.158	46.000
802.120	2.966	36.133	39.099	-6.901	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
173.560	-9.543	45.446	35.903	-7.597	43.500
340.400	-3.237	44.915	41.678	-4.322	46.000
377.260	1.107	41.163	42.270	-3.730	46.000
600.360	3.472	37.601	41.073	-4.927	46.000
800.180	6.417	37.362	43.779	-2.221	46.000
901.060	5.878	33.496	39.374	-6.626	46.000
Vertical					
Peak Detector					
119.240	-3.571	40.091	36.521	-6.979	43.500
181.320	-1.910	40.806	38.896	-4.604	43.500
379.200	0.881	40.911	41.792	-4.208	46.000
462.620	-2.571	36.614	34.043	-11.957	46.000
600.360	1.302	33.669	34.971	-11.029	46.000
802.120	2.966	35.752	38.718	-7.282	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
169.680	-9.726	48.557	38.831	-4.669	43.500
377.260	1.107	41.068	42.175	-3.825	46.000
600.360	3.472	39.519	42.991	-3.009	46.000
701.240	2.759	35.035	37.794	-8.206	46.000
802.120	6.356	38.392	44.748	-1.252	46.000
901.060	5.878	33.499	39.377	-6.623	46.000
Vertical					
Peak Detector					
111.480	-3.439	41.305	37.867	-5.633	43.500
251.160	-4.958	38.008	33.050	-12.950	46.000
379.200	0.881	41.435	42.316	-3.684	46.000
458.740	-2.562	38.008	35.446	-10.554	46.000
600.360	1.302	34.216	35.518	-10.482	46.000
802.120	2.966	36.474	39.440	-6.560	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.17)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
117.300	-7.350	46.383	39.033	-4.467	43.500
200.720	-9.846	48.467	38.621	-4.879	43.500
600.360	3.472	39.313	42.785	-3.215	46.000
701.240	2.759	36.153	38.912	-7.088	46.000
800.180	6.417	36.768	43.185	-2.815	46.000
901.060	5.878	33.288	39.166	-6.834	46.000
Vertical					
Peak Detector					
121.180	-3.559	44.188	40.629	-2.871	43.500
177.440	-1.248	43.602	42.354	-1.146	43.500
379.200	0.881	41.404	42.285	-3.715	46.000
600.360	1.302	34.387	35.689	-10.311	46.000
802.120	2.966	36.900	39.866	-6.134	46.000
937.920	3.110	30.274	33.384	-12.616	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
175.500	-9.792	45.033	35.241	-8.259	43.500
266.680	-5.510	46.922	41.412	-4.588	46.000
383.080	1.305	41.431	42.736	-3.264	46.000
600.360	3.472	38.544	42.016	-3.984	46.000
701.240	2.759	42.058	44.817	-1.183	46.000
901.060	5.878	35.082	40.960	-5.040	46.000
Vertical					
Peak Detector					
103.720	-5.090	45.943	40.852	-2.648	43.500
173.560	-2.713	38.925	36.212	-7.288	43.500
346.220	-0.527	38.369	37.842	-8.158	46.000
600.360	1.302	34.976	36.278	-9.722	46.000
802.120	2.966	36.784	39.750	-6.250	46.000
937.920	3.110	36.283	39.393	-6.607	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
173.560	-9.543	44.215	34.672	-8.828	43.500
299.660	-4.751	48.784	44.033	-1.967	46.000
499.480	1.991	42.809	44.799	-1.201	46.000
625.580	1.419	38.307	39.727	-6.273	46.000
901.060	5.878	35.332	41.210	-4.790	46.000
937.920	6.750	34.096	40.846	-5.154	46.000
Vertical					
Peak Detector					
107.600	-4.027	44.073	40.046	-3.454	43.500
348.160	-0.890	39.282	38.392	-7.608	46.000
600.360	1.302	34.999	36.301	-9.699	46.000
701.240	-0.541	36.299	35.758	-10.242	46.000
802.120	2.966	36.377	39.343	-6.657	46.000
937.920	3.110	35.640	38.750	-7.250	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
140.580	-7.561	45.751	38.190	-5.310	43.500
342.340	-2.566	46.466	43.900	-2.100	46.000
600.360	3.472	38.679	42.151	-3.849	46.000
701.240	2.759	35.557	38.316	-7.684	46.000
802.120	6.356	37.795	44.151	-1.849	46.000
901.060	5.878	34.484	40.362	-5.638	46.000
Vertical					
Peak Detector					
113.420	-3.709	41.958	38.249	-5.251	43.500
175.500	-1.842	39.644	37.802	-5.698	43.500
379.200	0.881	41.494	42.375	-3.625	46.000
458.740	-2.562	39.102	36.540	-9.460	46.000
600.360	1.302	35.008	36.310	-9.690	46.000
802.120	2.966	36.069	39.035	-6.965	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
119.240	-7.291	47.044	39.754	-3.746	43.500
379.200	1.301	41.290	42.591	-3.409	46.000
600.360	3.472	37.152	40.624	-5.376	46.000
701.240	2.759	35.241	38.000	-8.000	46.000
802.120	6.356	37.172	43.528	-2.472	46.000
901.060	5.878	34.325	40.203	-5.797	46.000
Vertical					
Peak Detector					
119.240	-3.571	43.426	39.856	-3.644	43.500
210.420	-5.657	42.509	36.852	-6.648	43.500
377.260	0.647	41.615	42.262	-3.738	46.000
499.480	-0.199	35.111	34.911	-11.089	46.000
600.360	1.302	34.371	35.673	-10.327	46.000
802.120	2.966	36.001	38.967	-7.033	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	47.461	39.784	-3.716	43.500
202.660	-10.183	47.583	37.401	-6.099	43.500
340.400	-3.237	45.469	42.232	-3.768	46.000
600.360	3.472	37.519	40.991	-5.009	46.000
800.180	6.417	36.810	43.227	-2.773	46.000
901.060	5.878	33.369	39.247	-6.753	46.000
Vertical					
Peak Detector					
117.300	-3.740	43.756	40.016	-3.484	43.500
177.440	-1.248	40.620	39.372	-4.128	43.500
379.200	0.881	40.058	40.939	-5.061	46.000
499.480	-0.199	34.293	34.093	-11.907	46.000
600.360	1.302	34.330	35.632	-10.368	46.000
802.120	2.966	35.485	38.451	-7.549	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.17)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
119.240	-7.291	45.960	38.670	-4.830	43.500
171.620	-9.641	48.904	39.263	-4.237	43.500
600.360	3.472	38.529	42.001	-3.999	46.000
701.240	2.759	36.181	38.940	-7.060	46.000
800.180	2.637	41.198	43.835	-2.165	46.000
901.060	5.878	34.450	40.328	-5.672	46.000
Vertical					
Peak Detector					
177.440	-1.248	40.042	38.794	-4.706	43.500
251.160	-4.958	38.646	33.688	-12.312	46.000
379.200	0.881	40.346	41.227	-4.773	46.000
499.480	-0.199	35.263	35.063	-10.937	46.000
600.360	1.302	34.460	35.762	-10.238	46.000
802.120	2.966	35.720	38.686	-7.314	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
115.360	-7.390	47.098	39.709	-3.791	43.500
379.200	1.301	43.211	44.512	-1.488	46.000
499.480	1.991	37.301	39.291	-6.709	46.000
600.360	3.472	36.109	39.581	-6.419	46.000
701.240	2.759	37.167	39.926	-6.074	46.000
802.120	6.356	37.248	43.604	-2.396	46.000
Vertical					
Peak Detector					
105.660	-4.576	43.620	39.043	-4.457	43.500
253.100	-5.039	38.976	33.937	-12.063	46.000
379.200	0.881	42.026	42.907	-3.093	46.000
460.680	-1.930	35.608	33.678	-12.322	46.000
600.360	1.302	33.853	35.155	-10.845	46.000
802.120	2.966	35.250	38.216	-7.784	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
111.480	-7.489	47.267	39.779	-3.721	43.500
319.060	-4.585	48.589	44.004	-1.996	46.000
600.360	3.472	36.963	40.435	-5.565	46.000
701.240	2.759	36.952	39.711	-6.289	46.000
800.180	6.417	37.557	43.974	-2.026	46.000
937.920	6.750	32.787	39.537	-6.463	46.000
Vertical					
Peak Detector					
105.660	-4.576	42.732	38.155	-5.345	43.500
179.380	-0.824	37.540	36.716	-6.784	43.500
379.200	0.881	42.130	43.011	-2.989	46.000
499.480	-0.199	34.818	34.618	-11.382	46.000
600.360	1.302	33.190	34.492	-11.508	46.000
802.120	2.966	35.997	38.963	-7.037	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
119.240	-7.291	47.982	40.692	-2.808	43.500
379.200	1.301	42.801	44.102	-1.898	46.000
600.360	3.472	36.181	39.653	-6.347	46.000
701.240	2.759	37.388	40.147	-5.853	46.000
802.120	6.356	37.639	43.995	-2.005	46.000
901.060	5.878	34.547	40.425	-5.575	46.000
Vertical					
Peak Detector					
105.660	-4.576	42.502	37.925	-5.575	43.500
175.500	-1.842	40.440	38.598	-4.902	43.500
379.200	0.881	42.200	43.081	-2.919	46.000
460.680	-1.930	35.504	33.574	-12.426	46.000
600.360	1.302	33.932	35.234	-10.766	46.000
802.120	2.966	34.922	37.888	-8.112	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	49.008	41.331	-2.169	43.500
379.200	1.301	42.771	44.072	-1.928	46.000
600.360	3.472	38.566	42.038	-3.962	46.000
701.240	2.759	37.353	40.112	-5.888	46.000
802.120	6.356	36.981	43.337	-2.663	46.000
901.060	5.878	33.647	39.525	-6.475	46.000
Vertical					
Peak Detector					
121.180	-3.559	41.290	37.731	-5.769	43.500
179.380	-0.824	38.098	37.274	-6.226	43.500
381.140	0.816	42.069	42.885	-3.115	46.000
499.480	-0.199	35.059	34.859	-11.141	46.000
701.240	-0.541	34.436	33.895	-12.105	46.000
802.120	2.966	35.839	38.805	-7.195	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
103.720	-8.230	47.417	39.186	-4.314	43.500
379.200	1.301	43.364	44.665	-1.335	46.000
600.360	3.472	37.293	40.765	-5.235	46.000
701.240	2.759	37.643	40.402	-5.598	46.000
802.120	6.356	37.449	43.805	-2.195	46.000
901.060	5.878	33.878	39.756	-6.244	46.000
Vertical					
Peak Detector					
119.240	-3.571	42.504	38.934	-4.566	43.500
379.200	0.881	41.019	41.900	-4.100	46.000
460.680	-1.930	35.318	33.388	-12.612	46.000
600.360	1.302	33.060	34.362	-11.638	46.000
701.240	-0.541	33.983	33.442	-12.558	46.000
802.120	2.966	35.268	38.234	-7.766	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	49.748	42.071	-1.429	43.500
379.200	1.301	43.901	45.202	-0.798	46.000
600.360	3.472	36.996	40.468	-5.532	46.000
701.240	2.759	37.777	40.536	-5.464	46.000
800.180	6.417	36.833	43.250	-2.750	46.000
937.920	6.750	32.326	39.076	-6.924	46.000
Vertical					
Peak Detector					
183.260	-3.735	41.653	37.918	-5.582	43.500
379.200	0.881	41.988	42.869	-3.131	46.000
460.680	-1.930	36.105	34.175	-11.825	46.000
600.360	1.302	32.799	34.101	-11.899	46.000
701.240	-0.541	35.146	34.605	-11.395	46.000
802.120	2.966	35.590	38.556	-7.444	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
119.240	-7.291	47.587	40.297	-3.203	43.500
371.440	0.860	43.065	43.925	-2.075	46.000
600.360	3.472	37.670	41.142	-4.858	46.000
701.240	2.759	39.182	41.941	-4.059	46.000
800.180	6.417	37.494	43.911	-2.089	46.000
937.920	6.750	32.456	39.206	-6.794	46.000
Vertical					
Peak Detector					
111.480	-3.439	41.422	37.984	-5.516	43.500
189.080	-5.617	43.367	37.750	-5.750	43.500
379.200	0.881	42.729	43.610	-2.390	46.000
460.680	-1.930	37.160	35.230	-10.770	46.000
600.360	1.302	33.718	35.020	-10.980	46.000
802.120	2.966	35.114	38.080	-7.920	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
202.660	-10.183	50.879	40.697	-2.803	43.500
379.200	1.301	42.146	43.447	-2.553	46.000
600.360	3.472	35.895	39.367	-6.633	46.000
701.240	2.759	34.188	36.947	-9.053	46.000
800.180	6.417	36.633	43.050	-2.950	46.000
937.920	6.750	33.849	40.599	-5.401	46.000
Vertical					
Peak Detector					
105.660	-4.576	43.679	39.102	-4.398	43.500
181.320	-1.910	41.260	39.350	-4.150	43.500
379.200	0.881	42.919	43.800	-2.200	46.000
460.680	-1.930	36.331	34.401	-11.599	46.000
600.360	1.302	33.838	35.140	-10.860	46.000
802.120	2.966	34.022	36.988	-9.012	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
121.180	-7.289	46.831	39.542	-3.958	43.500
379.200	1.301	42.382	43.683	-2.317	46.000
499.480	1.991	37.539	39.529	-6.471	46.000
701.240	2.759	37.214	39.973	-6.027	46.000
802.120	6.356	37.420	43.776	-2.224	46.000
937.920	6.750	32.086	38.836	-7.164	46.000
Vertical					
Peak Detector					
105.660	-4.576	43.175	38.598	-4.902	43.500
173.560	-2.713	43.304	40.591	-2.909	43.500
379.200	0.881	41.458	42.339	-3.661	46.000
600.360	1.302	33.373	34.675	-11.325	46.000
701.240	-0.541	36.003	35.462	-10.538	46.000
802.120	2.966	36.180	39.146	-6.854	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
140.580	-7.561	46.776	39.215	-4.285	43.500
379.200	1.301	43.389	44.690	-1.310	46.000
600.360	3.472	37.113	40.585	-5.415	46.000
701.240	2.759	38.619	41.378	-4.622	46.000
802.120	6.356	38.363	44.719	-1.281	46.000
901.060	5.878	35.813	41.691	-4.309	46.000
Vertical					
Peak Detector					
173.560	-2.713	43.036	40.323	-3.177	43.500
379.200	0.881	41.543	42.424	-3.576	46.000
499.480	-0.199	34.093	33.893	-12.107	46.000
600.360	1.302	32.558	33.860	-12.140	46.000
701.240	-0.541	34.253	33.712	-12.288	46.000
802.120	2.966	34.821	37.787	-8.213	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
379.200	1.301	43.230	44.531	-1.469	46.000
499.480	1.991	37.526	39.516	-6.484	46.000
600.360	3.472	37.058	40.530	-5.470	46.000
701.240	2.759	38.457	41.216	-4.784	46.000
802.120	6.356	37.032	43.388	-2.612	46.000
901.060	5.878	34.300	40.178	-5.822	46.000
Vertical					
Peak Detector					
177.440	-1.248	39.947	38.699	-4.801	43.500
379.200	0.881	42.996	43.877	-2.123	46.000
458.740	-2.562	36.124	33.562	-12.438	46.000
600.360	1.302	32.735	34.037	-11.963	46.000
701.240	-0.541	34.662	34.121	-11.879	46.000
802.120	2.966	35.736	38.702	-7.298	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.18)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
105.660	-7.676	46.806	39.129	-4.371	43.500
208.480	-10.485	49.297	38.811	-4.689	43.500
379.200	1.301	43.959	45.260	-0.740	46.000
460.680	4.030	35.217	39.247	-6.753	46.000
701.240	2.759	38.404	41.163	-4.837	46.000
800.180	6.417	36.682	43.099	-2.901	46.000
Vertical					
Peak Detector					
179.380	-0.824	39.397	38.573	-4.927	43.500
379.200	0.881	41.500	42.381	-3.619	46.000
460.680	-1.930	36.699	34.769	-11.231	46.000
600.360	1.302	33.206	34.508	-11.492	46.000
701.240	-0.541	36.030	35.489	-10.511	46.000
802.120	2.966	35.359	38.325	-7.675	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
169.680	-9.726	43.405	33.679	-9.821	43.500
299.660	-4.751	47.657	42.906	-3.094	46.000
499.480	1.991	38.751	40.741	-5.259	46.000
600.360	3.472	38.863	42.335	-3.665	46.000
901.060	5.878	34.754	40.632	-5.368	46.000
937.920	6.750	33.356	40.106	-5.894	46.000
Vertical					
Peak Detector					
109.540	-3.507	44.537	41.029	-2.471	43.500
171.620	-3.691	43.698	40.007	-3.493	43.500
348.160	-0.890	39.558	38.668	-7.332	46.000
600.360	1.302	34.432	35.734	-10.266	46.000
802.120	2.966	35.866	38.832	-7.168	46.000
937.920	3.110	36.141	39.251	-6.749	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
173.560	-9.543	45.119	35.576	-7.924	43.500
272.500	-6.018	48.884	42.866	-3.134	46.000
468.440	3.544	38.070	41.614	-4.386	46.000
600.360	3.472	41.360	44.832	-1.168	46.000
749.740	3.963	34.885	38.848	-7.152	46.000
937.920	6.750	33.757	40.507	-5.493	46.000
Vertical					
Peak Detector					
107.600	-4.027	43.869	39.842	-3.658	43.500
167.740	-4.506	41.705	37.199	-6.301	43.500
353.980	-1.124	38.718	37.594	-8.406	46.000
600.360	1.302	35.011	36.313	-9.687	46.000
802.120	2.966	37.816	40.782	-5.218	46.000
937.920	3.110	36.569	39.679	-6.321	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	47.971	40.294	-3.206	43.500
202.660	-10.183	51.007	40.825	-2.675	43.500
379.200	1.301	43.621	44.922	-1.078	46.000
600.360	3.472	36.344	39.816	-6.184	46.000
701.240	2.759	36.401	39.160	-6.840	46.000
802.120	6.356	36.633	42.989	-3.011	46.000
Vertical					
Peak Detector					
107.600	-4.027	42.818	38.791	-4.709	43.500
379.200	0.881	42.850	43.731	-2.269	46.000
460.680	-1.930	36.319	34.389	-11.611	46.000
600.360	1.302	32.616	33.918	-12.082	46.000
701.240	-0.541	34.549	34.008	-11.992	46.000
802.120	2.966	34.716	37.682	-8.318	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.749	41.072	-2.428	43.500
385.020	1.209	41.658	42.867	-3.133	46.000
499.480	1.991	36.469	38.459	-7.541	46.000
600.360	3.472	36.637	40.109	-5.891	46.000
802.120	6.356	37.708	44.064	-1.936	46.000
937.920	6.750	33.143	39.893	-6.107	46.000
Vertical					
Peak Detector					
121.180	-3.559	42.518	38.959	-4.541	43.500
179.380	-0.824	40.300	39.476	-4.024	43.500
379.200	0.881	41.178	42.059	-3.941	46.000
460.680	-1.930	36.057	34.127	-11.873	46.000
600.360	1.302	34.085	35.387	-10.613	46.000
802.120	2.966	35.439	38.405	-7.595	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.526	40.849	-2.651	43.500
373.380	0.873	42.695	43.568	-2.432	46.000
499.480	1.991	37.906	39.896	-6.104	46.000
600.360	3.472	36.683	40.155	-5.845	46.000
800.180	6.417	37.276	43.693	-2.307	46.000
937.920	6.750	32.255	39.005	-6.995	46.000
Vertical					
Peak Detector					
177.440	-1.248	40.238	38.990	-4.510	43.500
379.200	0.881	41.490	42.371	-3.629	46.000
460.680	-1.930	37.260	35.330	-10.670	46.000
600.360	1.302	33.031	34.333	-11.667	46.000
701.240	-0.541	34.238	33.697	-12.303	46.000
802.120	2.966	35.313	38.279	-7.721	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.18)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.468	40.791	-2.709	43.500
379.200	1.301	40.493	41.794	-4.206	46.000
499.480	1.991	37.179	39.169	-6.831	46.000
600.360	3.472	35.153	38.625	-7.375	46.000
802.120	6.356	37.962	44.318	-1.682	46.000
937.920	6.750	34.157	40.907	-5.093	46.000
Vertical					
Peak Detector					
119.240	-3.571	42.440	38.870	-4.630	43.500
181.320	-1.910	38.884	36.974	-6.526	43.500
379.200	0.881	42.291	43.172	-2.828	46.000
600.360	1.302	34.835	36.137	-9.863	46.000
701.240	-0.541	34.741	34.200	-11.800	46.000
802.120	2.966	36.200	39.166	-6.834	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	47.471	39.794	-3.706	43.500
319.060	-4.585	46.922	42.337	-3.663	46.000
379.200	1.301	42.619	43.920	-2.080	46.000
600.360	3.472	34.763	38.235	-7.765	46.000
802.120	6.356	34.205	40.561	-5.439	46.000
937.920	6.750	30.567	37.317	-8.683	46.000
Vertical					
Peak Detector					
123.120	-3.630	43.292	39.662	-3.838	43.500
179.380	-0.824	38.648	37.824	-5.676	43.500
379.200	0.881	41.583	42.464	-3.536	46.000
499.480	-0.199	34.430	34.230	-11.770	46.000
600.360	1.302	35.248	36.550	-9.450	46.000
802.120	2.966	36.661	39.627	-6.373	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
107.600	-7.597	47.905	40.308	-3.192	43.500
222.060	-10.124	46.993	36.868	-9.132	46.000
375.320	0.918	41.724	42.642	-3.358	46.000
600.360	3.472	38.293	41.765	-4.235	46.000
802.120	6.356	34.862	41.218	-4.782	46.000
949.560	7.036	32.177	39.213	-6.787	46.000
Vertical					
Peak Detector					
107.600	-4.027	43.587	39.560	-3.940	43.500
179.380	-0.824	40.767	39.943	-3.557	43.500
375.320	0.388	41.359	41.747	-4.253	46.000
458.740	-2.562	36.795	34.233	-11.767	46.000
600.360	1.302	34.817	36.119	-9.881	46.000
802.120	2.966	37.745	40.711	-5.289	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	48.961	41.284	-2.216	43.500
371.440	0.860	43.863	44.723	-1.277	46.000
600.360	3.472	40.493	43.965	-2.035	46.000
701.240	2.759	36.220	38.979	-7.021	46.000
800.180	6.417	35.889	42.306	-3.694	46.000
937.920	6.750	32.935	39.685	-6.315	46.000
Vertical					
Peak Detector					
123.120	-3.630	42.253	38.623	-4.877	43.500
181.320	-1.910	40.535	38.625	-4.875	43.500
319.060	-4.135	40.442	36.307	-9.693	46.000
379.200	0.881	41.161	42.042	-3.958	46.000
600.360	1.302	36.174	37.476	-8.524	46.000
802.120	2.966	36.551	39.517	-6.483	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
113.420	-7.449	47.744	40.295	-3.205	43.500
379.200	1.301	43.340	44.641	-1.359	46.000
499.480	1.991	37.007	38.997	-7.003	46.000
600.360	3.472	39.049	42.521	-3.479	46.000
800.180	6.417	34.985	41.402	-4.598	46.000
937.920	6.750	32.685	39.435	-6.565	46.000
Vertical					
Peak Detector					
177.440	-1.248	39.269	38.021	-5.479	43.500
319.060	-4.135	40.774	36.639	-9.361	46.000
379.200	0.881	41.400	42.281	-3.719	46.000
499.480	-0.199	34.738	34.538	-11.462	46.000
600.360	1.302	35.110	36.412	-9.588	46.000
802.120	2.966	37.174	40.140	-5.860	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5220MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
204.600	-10.493	47.469	36.976	-6.524	43.500
375.320	0.918	42.879	43.797	-2.203	46.000
600.360	3.472	38.869	42.341	-3.659	46.000
701.240	2.759	32.701	35.460	-10.540	46.000
800.180	6.417	35.406	41.823	-4.177	46.000
949.560	7.036	32.271	39.307	-6.693	46.000
Vertical					
Peak Detector					
179.380	-0.824	38.006	37.182	-6.318	43.500
379.200	0.881	41.357	42.238	-3.762	46.000
499.480	-0.199	33.998	33.798	-12.202	46.000
600.360	1.302	34.430	35.732	-10.268	46.000
701.240	-0.541	34.317	33.776	-12.224	46.000
802.120	2.966	36.819	39.785	-6.215	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5300MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
152.220	-7.926	48.744	40.818	-2.682	43.500
379.200	1.301	43.407	44.708	-1.292	46.000
600.360	3.472	40.208	43.680	-2.320	46.000
701.240	2.759	37.083	39.842	-6.158	46.000
802.120	6.356	36.086	42.442	-3.558	46.000
901.060	5.878	35.095	40.973	-5.027	46.000
Vertical					
Peak Detector					
123.120	-3.630	44.126	40.496	-3.004	43.500
179.380	-0.824	40.383	39.559	-3.941	43.500
379.200	0.881	41.839	42.720	-3.280	46.000
460.680	-1.930	37.815	35.885	-10.115	46.000
600.360	1.302	35.954	37.256	-8.744	46.000
802.120	2.966	36.732	39.698	-6.302	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5580MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
105.660	-7.676	49.488	41.811	-1.689	43.500
379.200	1.301	41.822	43.123	-2.877	46.000
462.620	3.589	33.327	36.916	-9.084	46.000
600.360	3.472	38.338	41.810	-4.190	46.000
802.120	6.356	35.563	41.919	-4.081	46.000
937.920	6.750	33.982	40.732	-5.268	46.000
Vertical					
Peak Detector					
123.120	-3.630	43.721	40.091	-3.409	43.500
212.360	-5.752	42.350	36.598	-6.902	43.500
379.200	0.881	41.498	42.379	-3.621	46.000
460.680	-1.930	36.885	34.955	-11.045	46.000
600.360	1.302	34.488	35.790	-10.210	46.000
800.180	2.637	35.966	38.603	-7.397	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) (5785MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
123.120	-7.320	46.880	39.560	-3.940	43.500
206.540	-10.529	48.054	37.525	-5.975	43.500
375.320	0.918	43.130	44.048	-1.952	46.000
600.360	3.472	38.287	41.759	-4.241	46.000
802.120	6.356	35.108	41.464	-4.536	46.000
937.920	6.750	33.075	39.825	-6.175	46.000
Vertical					
Peak Detector					
107.600	-4.027	43.261	39.234	-4.266	43.500
179.380	-0.824	40.832	40.008	-3.492	43.500
375.320	0.388	40.997	41.385	-4.615	46.000
499.480	-0.199	35.516	35.316	-10.684	46.000
600.360	1.302	34.545	35.847	-10.153	46.000
800.180	2.637	36.259	38.896	-7.104	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5230MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
107.600	-7.597	48.090	40.493	-3.007	43.500
220.120	-10.173	48.675	38.502	-7.498	46.000
375.320	0.918	42.203	43.121	-2.879	46.000
600.360	3.472	36.212	39.684	-6.316	46.000
802.120	6.356	33.812	40.168	-5.832	46.000
937.920	6.750	34.965	41.715	-4.285	46.000
Vertical					
Peak Detector					
121.180	-3.559	43.147	39.588	-3.912	43.500
183.260	-3.735	42.078	38.343	-5.157	43.500
375.320	0.388	41.723	42.111	-3.889	46.000
460.680	-1.930	36.500	34.570	-11.430	46.000
600.360	1.302	35.385	36.687	-9.313	46.000
802.120	2.966	36.479	39.445	-6.555	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5310MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
144.460	-7.703	45.557	37.854	-5.646	43.500
379.200	1.301	42.701	44.002	-1.998	46.000
600.360	3.472	37.497	40.969	-5.031	46.000
701.240	2.759	36.094	38.853	-7.147	46.000
800.180	6.417	34.410	40.827	-5.173	46.000
901.060	5.878	34.321	40.199	-5.801	46.000
Vertical					
Peak Detector					
109.540	-3.507	42.603	39.095	-4.405	43.500
181.320	-1.910	41.232	39.322	-4.178	43.500
375.320	0.388	42.528	42.916	-3.084	46.000
600.360	1.302	35.202	36.504	-9.496	46.000
701.240	-0.541	34.583	34.042	-11.958	46.000
800.180	2.637	35.726	38.363	-7.637	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5550MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector					
142.520	-7.627	46.726	39.099	-4.401	43.500
375.320	0.918	43.649	44.567	-1.433	46.000
600.360	3.472	39.252	42.724	-3.276	46.000
701.240	2.759	36.891	39.650	-6.350	46.000
802.120	6.356	35.941	42.297	-3.703	46.000
901.060	5.878	33.764	39.642	-6.358	46.000
Vertical					
Peak Detector					
111.480	-3.439	42.960	39.522	-3.978	43.500
183.260	-3.735	45.046	41.311	-2.189	43.500
375.320	0.388	40.517	40.905	-5.095	46.000
499.480	-0.199	36.825	36.625	-9.375	46.000
600.360	1.302	35.159	36.461	-9.539	46.000
802.120	2.966	37.582	40.548	-5.452	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) (5755MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
103.720	-8.230	47.395	39.164	-4.336	43.500
202.660	-10.183	49.457	39.275	-4.225	43.500
379.200	1.301	42.145	43.446	-2.554	46.000
600.360	3.472	38.445	41.917	-4.083	46.000
802.120	6.356	35.685	42.041	-3.959	46.000
937.920	6.750	33.146	39.896	-6.104	46.000
Vertical					
Peak Detector					
123.120	-3.630	43.226	39.596	-3.904	43.500
179.380	-0.824	41.517	40.693	-2.807	43.500
379.200	0.881	40.866	41.747	-4.253	46.000
499.480	-0.199	35.540	35.340	-10.660	46.000
600.360	1.302	36.902	38.204	-7.796	46.000
802.120	2.966	36.738	39.704	-6.296	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5210MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
115.360	-7.390	47.542	40.153	-3.347	43.500
379.200	1.301	41.807	43.108	-2.892	46.000
499.480	1.991	35.180	37.170	-8.830	46.000
600.360	3.472	37.963	41.435	-4.565	46.000
800.180	6.417	34.440	40.857	-5.143	46.000
937.920	6.750	31.588	38.338	-7.662	46.000
Vertical					
Peak Detector					
107.600	-4.027	43.476	39.449	-4.051	43.500
179.380	-0.824	39.544	38.720	-4.780	43.500
319.060	-4.135	41.231	37.096	-8.904	46.000
379.200	0.881	41.494	42.375	-3.625	46.000
600.360	1.302	35.926	37.228	-8.772	46.000
802.120	2.966	36.966	39.932	-6.068	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 4: Transmit (802.11ac-20BW-28.8Mbps) (5720MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
161.920	-10.074	45.102	35.028	-8.472	43.500
299.660	-4.751	47.051	42.300	-3.700	46.000
383.080	1.305	43.908	45.213	-0.787	46.000
499.480	1.991	40.372	42.362	-3.638	46.000
600.360	3.472	41.375	44.847	-1.153	46.000
901.060	5.878	34.672	40.550	-5.450	46.000
Vertical					
Peak Detector					
103.720	-5.090	45.015	39.924	-3.576	43.500
173.560	-2.713	41.273	38.560	-4.940	43.500
348.160	-0.890	38.882	37.992	-8.008	46.000
600.360	1.302	35.706	37.008	-8.992	46.000
802.120	2.966	36.896	39.862	-6.138	46.000
937.920	3.110	35.849	38.959	-7.041	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/09/13
 Test Mode : Mode 5: Transmit (802.11ac-40BW-60Mbps) (5710MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
161.920	-10.074	43.647	33.573	-9.927	43.500
272.500	-6.018	47.902	41.884	-4.116	46.000
499.480	1.991	42.184	44.174	-1.826	46.000
625.580	1.419	36.565	37.985	-8.015	46.000
800.180	6.417	38.095	44.512	-1.488	46.000
901.060	5.878	34.062	39.940	-6.060	46.000
Vertical					
Peak Detector					
103.720	-5.090	45.352	40.261	-3.239	43.500
175.500	-1.842	38.507	36.665	-6.835	43.500
348.160	-0.890	39.749	38.859	-7.141	46.000
600.360	1.302	36.039	37.341	-8.659	46.000
802.120	2.966	37.622	40.588	-5.412	46.000
937.920	3.110	37.110	40.220	-5.780	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5290MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
113.420	-7.449	47.140	39.691	-3.809	43.500
204.600	-10.493	48.079	37.586	-5.914	43.500
375.320	0.918	44.366	45.284	-0.716	46.000
600.360	3.472	39.211	42.683	-3.317	46.000
802.120	6.356	35.163	41.519	-4.481	46.000
937.920	6.750	32.950	39.700	-6.300	46.000
Vertical					
Peak Detector					
123.120	-3.630	41.903	38.273	-5.227	43.500
196.840	-5.691	43.572	37.881	-5.619	43.500
379.200	0.881	41.837	42.718	-3.282	46.000
499.480	-0.199	35.227	35.027	-10.973	46.000
600.360	1.302	34.401	35.703	-10.297	46.000
802.120	2.966	37.281	40.247	-5.753	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5530MHz) (Antenna No.19)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector					
121.180	-7.289	47.313	40.024	-3.476	43.500
377.260	1.107	42.400	43.507	-2.493	46.000
600.360	3.472	41.211	44.683	-1.317	46.000
701.240	2.759	37.170	39.929	-6.071	46.000
802.120	6.356	37.288	43.644	-2.356	46.000
901.060	5.878	33.921	39.799	-6.201	46.000
Vertical					
Peak Detector					
109.540	-3.507	42.857	39.349	-4.151	43.500
181.320	-1.910	41.424	39.514	-3.986	43.500
379.200	0.881	41.491	42.372	-3.628	46.000
499.480	-0.199	35.355	35.155	-10.845	46.000
625.580	0.299	35.222	35.522	-10.478	46.000
802.120	2.966	36.617	39.583	-6.417	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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Date : 2018/07/20
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) (5775MHz) (Antenna No.19)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector					
119.240	-7.291	48.342	41.052	-2.448	43.500
229.820	-8.001	45.059	37.058	-8.942	46.000
375.320	0.918	42.968	43.886	-2.114	46.000
600.360	3.472	38.693	42.165	-3.835	46.000
802.120	6.356	32.528	38.884	-7.116	46.000
937.920	6.750	33.793	40.543	-5.457	46.000
Vertical					
Peak Detector					
123.120	-3.630	43.666	40.036	-3.464	43.500
179.380	-0.824	39.736	38.912	-4.588	43.500
375.320	0.388	42.950	43.338	-2.662	46.000
499.480	-0.199	35.073	34.873	-11.127	46.000
600.360	1.302	34.937	36.239	-9.761	46.000
800.180	2.637	36.850	39.487	-6.513	46.000

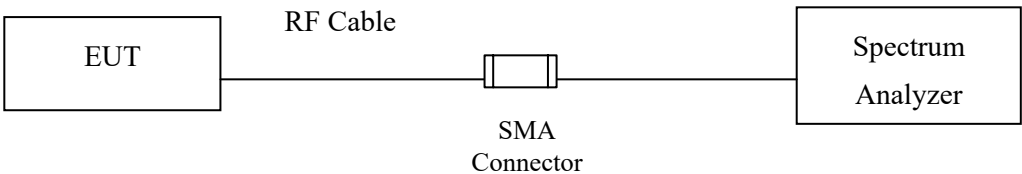
Note:

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 emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

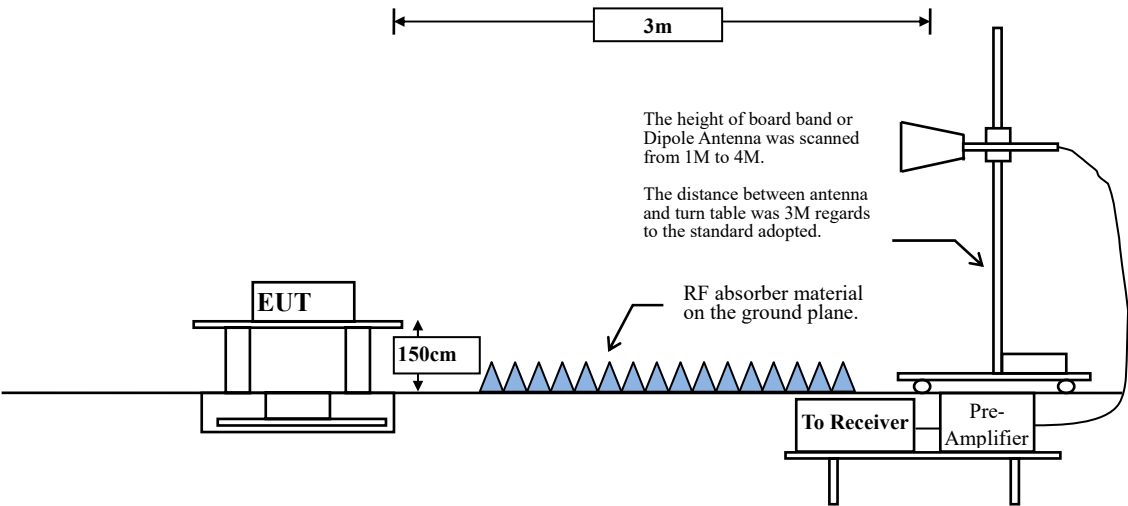
6. Band Edge

6.1. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



6.2. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks :

1. RF Voltage (dBμV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

6.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 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 can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz. The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions
Measurements above 1000 MHz.

RBW = 1MHz.

VBW $\geq$ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions
Measurements above 1000 MHz.

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.)

5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11 a	96.60	2.0580	486	500
802.11n20	98.00	4.9855	201	10
802.11n40	95.93	2.3913	418	500
802.11ac80	94.01	1.1377	879	1000

Note: Duty Cycle Refer to Section 8

6.4. Uncertainty

$\pm$ 4.08 dB above 1GHz

$\pm$ 4.22 dB below 1GHz

6.5. Test Result of Band Edge

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5150.000	10.470	41.673	52.144	74.00	54.00	Pass
36 (Peak)	5183.043	10.385	86.158	96.544	--	--	--
36 (Average)	5150.000	10.470	30.369	40.840	74.00	54.00	Pass
36 (Average)	5186.667	10.378	74.922	85.299	--	--	--

Figure Channel 36: Horizontal (Peak)

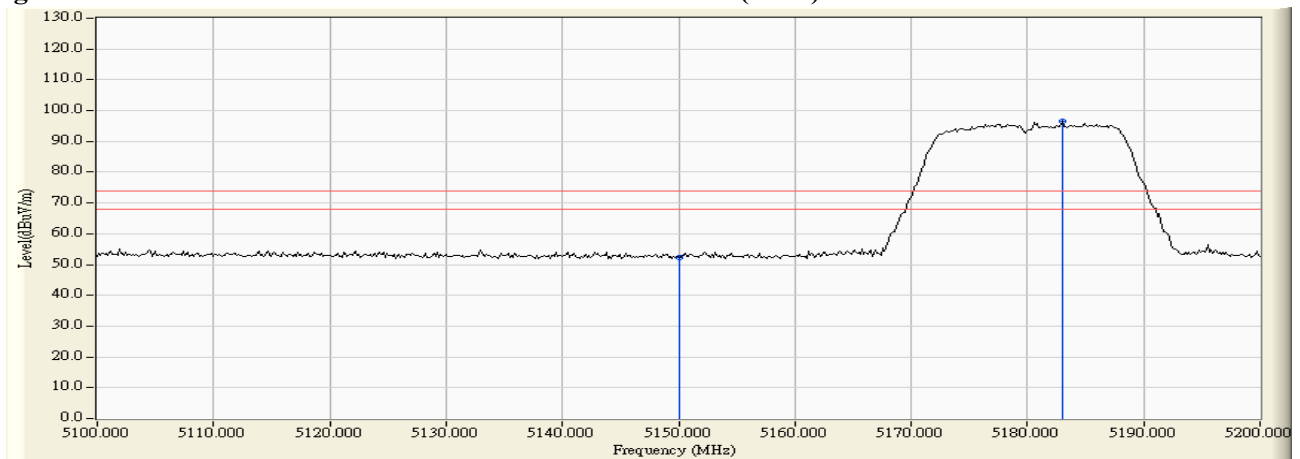
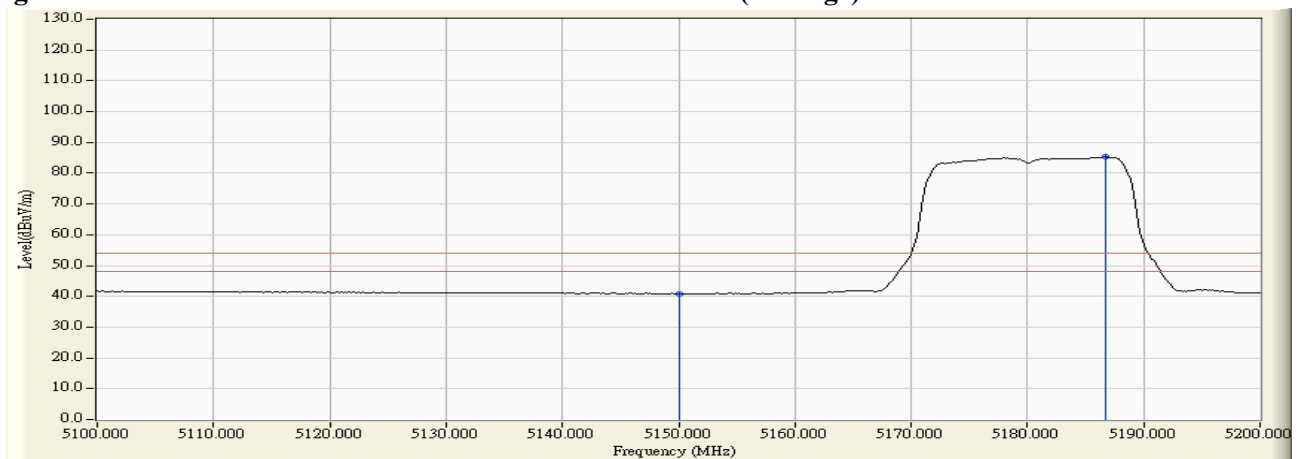


Figure Channel 36: Horizontal (Average)



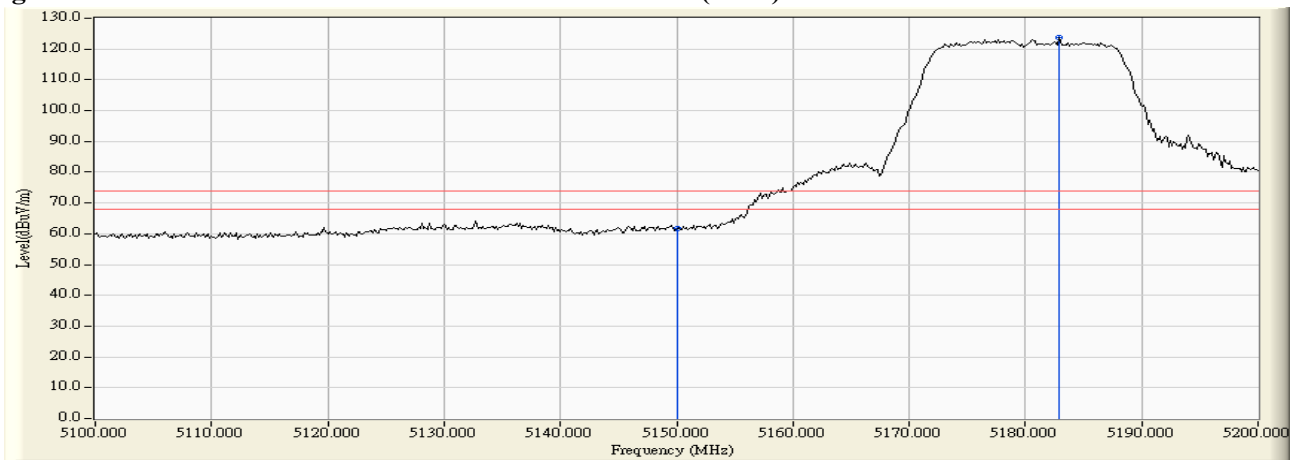
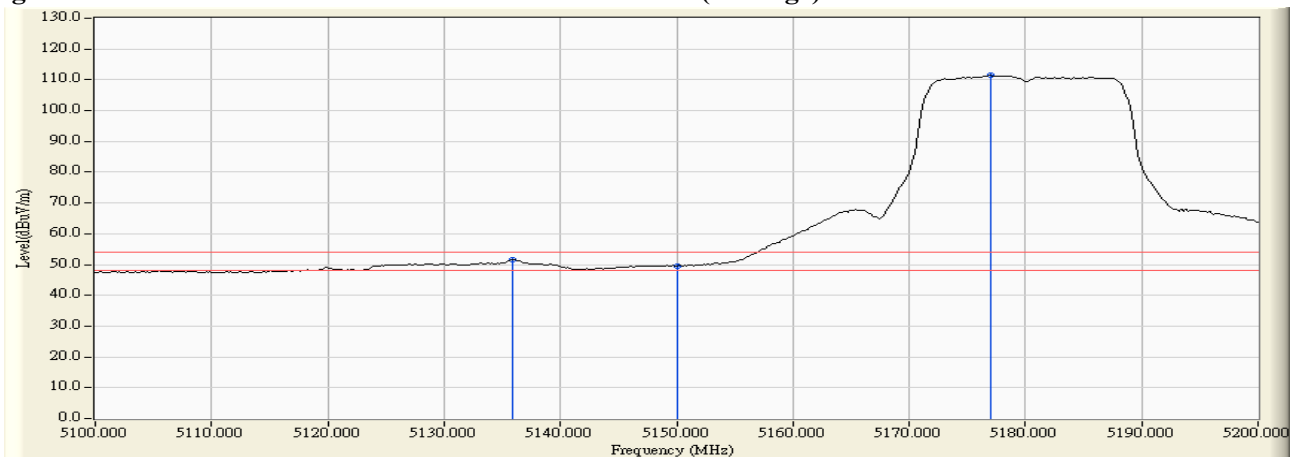
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5150.000	12.390	49.373	61.763	74.00	54.00	Pass
36 (Peak)	5182.899	12.512	111.252	123.764	--	--	--
36 (Average)	5135.942	12.337	39.279	51.616	74.00	54.00	Pass
36 (Average)	5150.000	12.390	37.180	49.570	74.00	54.00	Pass
36 (Average)	5176.957	12.490	98.884	111.374	--	--	--

Figure Channel 36: Vertical (Peak)**Figure Channel 36: Vertical (Average)**

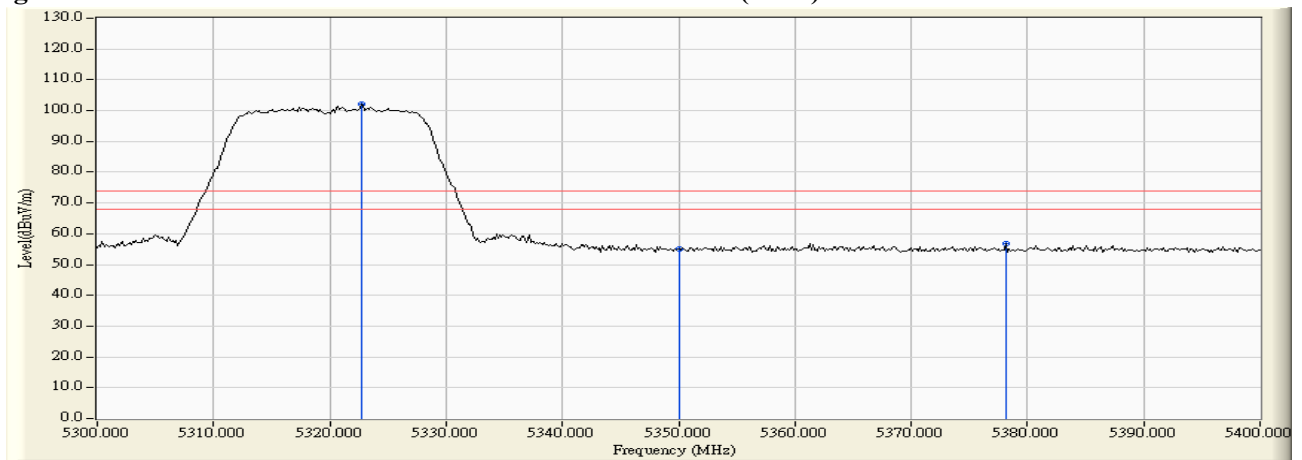
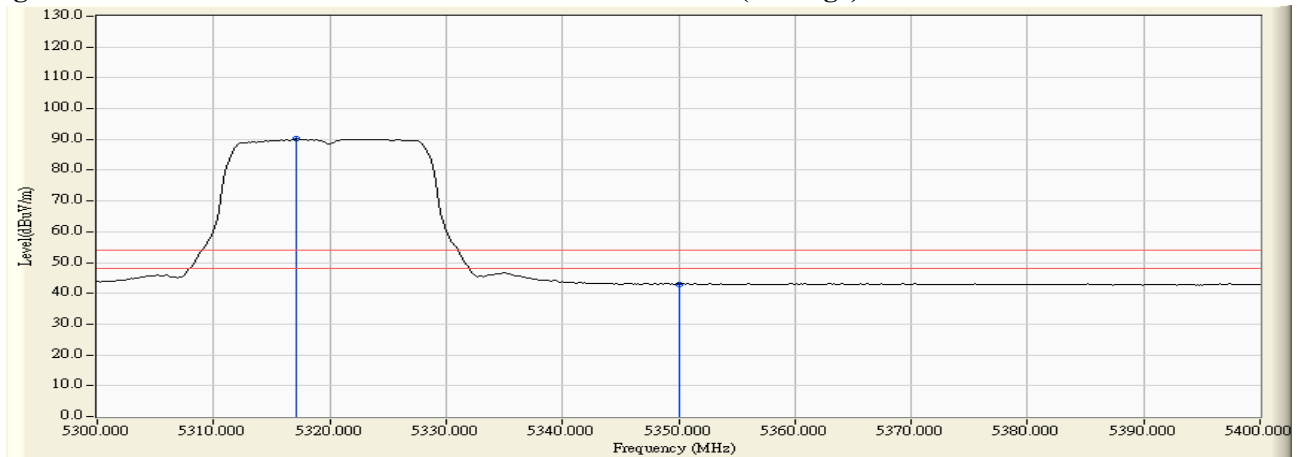
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5322.754	11.095	90.928	102.022	--	--	--
64 (Peak)	5350.000	11.024	44.208	55.232	74.00	54.00	Pass
64 (Peak)	5378.116	10.950	45.703	56.653	74.00	54.00	Pass
64 (Average)	5317.101	11.108	79.012	90.120	--	--	--
64 (Average)	5350.000	11.024	31.915	42.939	74.00	54.00	Pass

Figure Channel 64: Horizontal (Peak)

Figure Channel 64: Horizontal (Average)


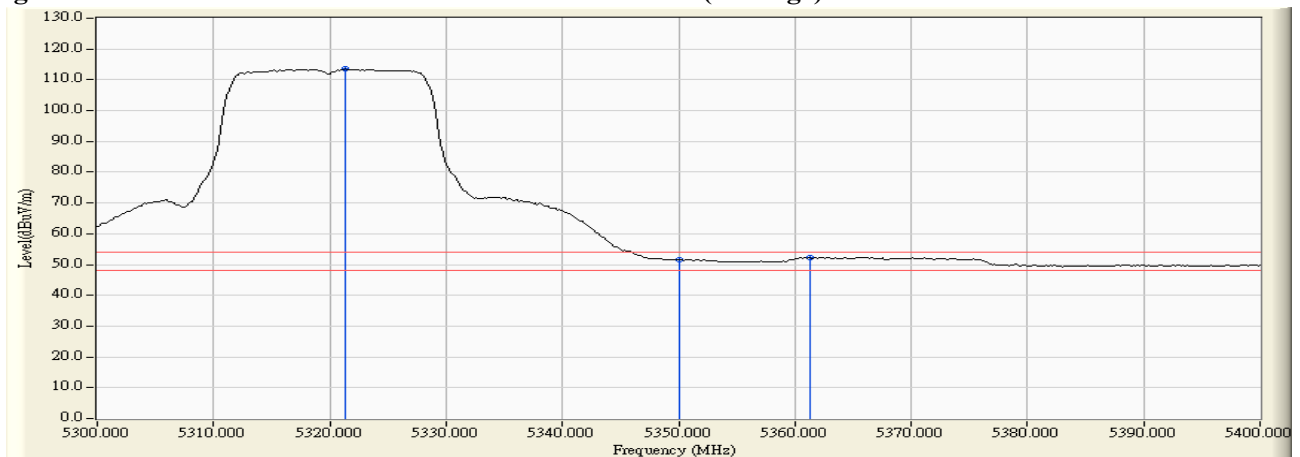
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5320.870	13.018	111.513	124.530	--	--	--
64 (Peak)	5350.000	12.999	48.225	61.224	74.00	54.00	Pass
64 (Peak)	5392.754	12.978	50.340	63.319	74.00	54.00	Pass
64 (Average)	5321.304	13.017	100.541	113.558	--	--	--
64 (Average)	5350.000	12.999	38.460	51.459	74.00	54.00	Pass
64 (Average)	5361.304	12.991	39.316	52.307	74.00	54.00	Pass

Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)**

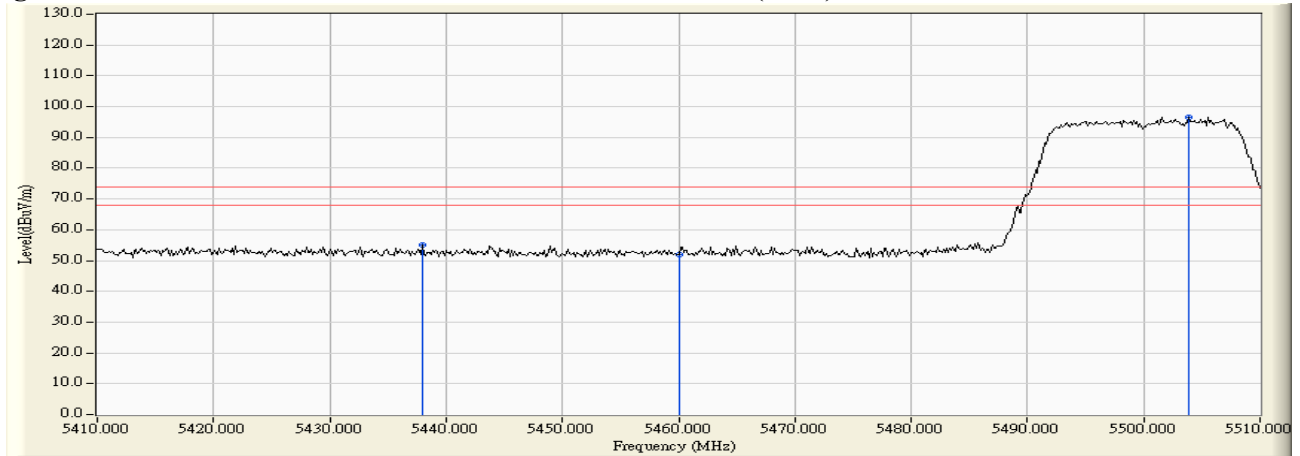
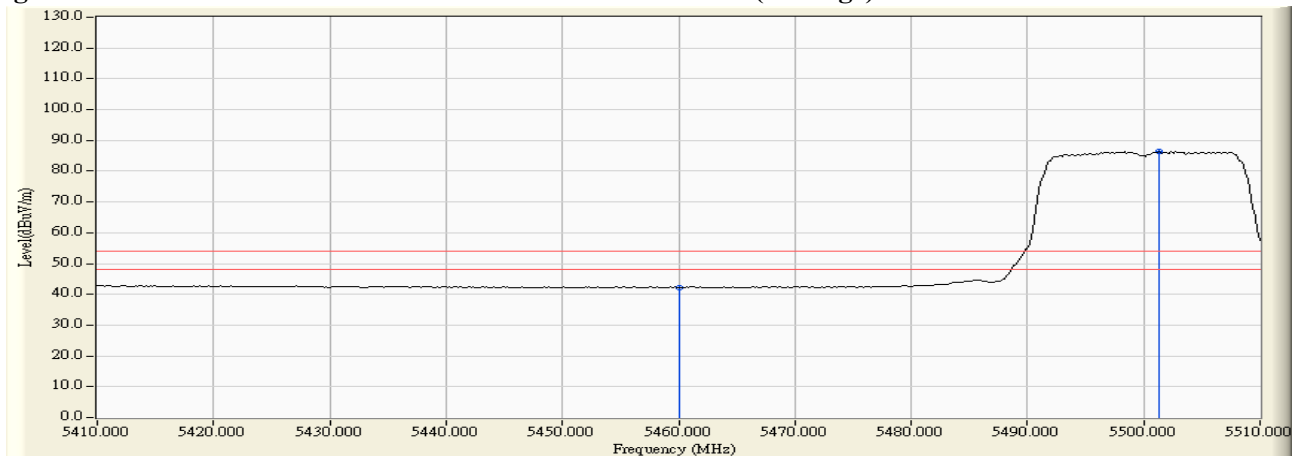
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5437.971	11.408	43.582	54.989	74.00	54.00	Pass
100 (Peak)	5460.000	11.703	40.267	51.970	74.00	54.00	Pass
100 (Peak)	5503.913	12.196	84.509	96.705	--	--	--
100 (Average)	5460.000	11.703	30.556	42.259	74.00	54.00	Pass
100 (Average)	5501.304	12.178	74.180	86.358	--	--	--

Figure Channel 100:**Horizontal (Peak)****Figure Channel 100:****Horizontal (Average)**

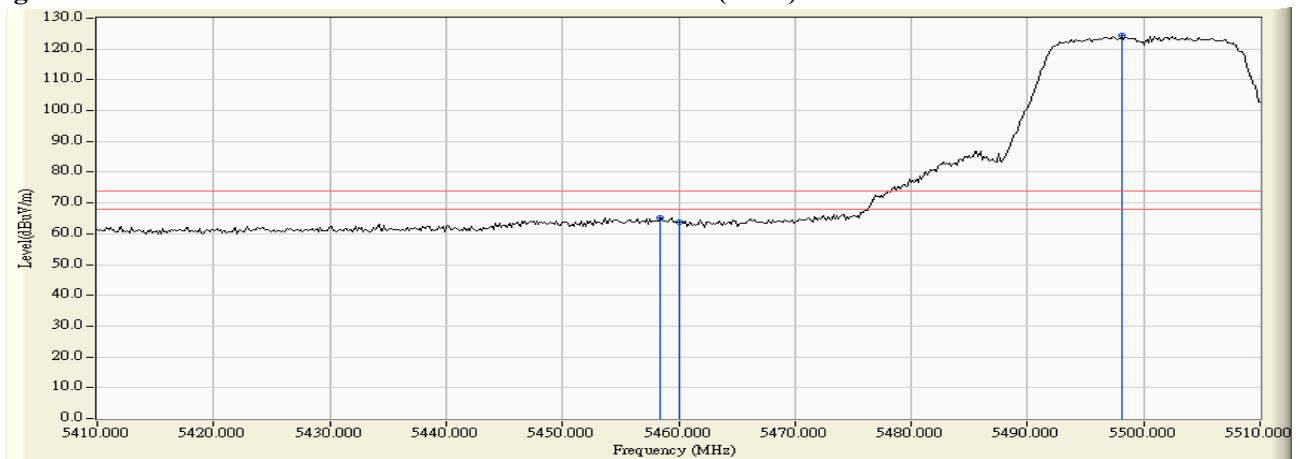
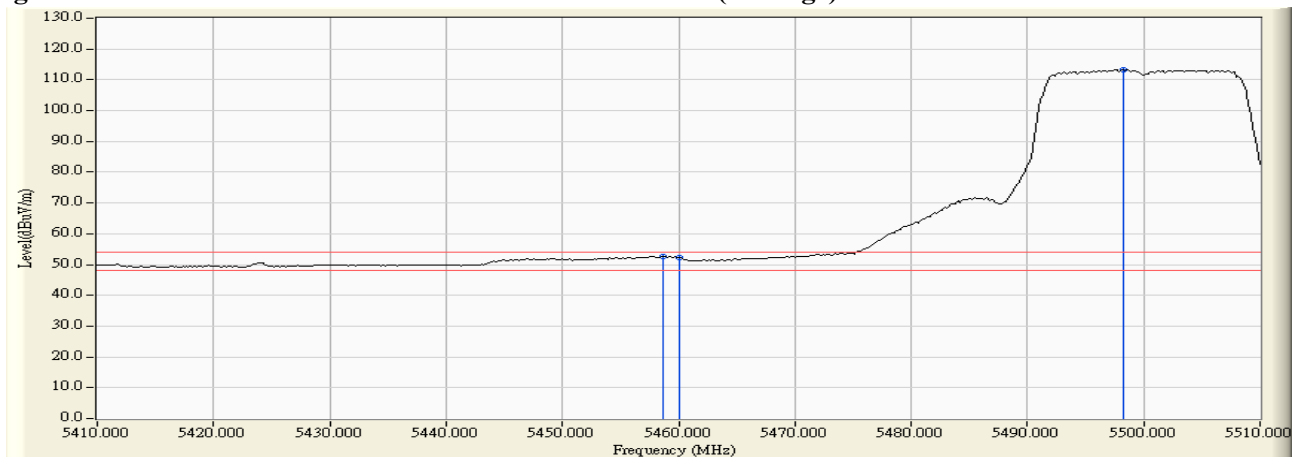
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.2)

RF Radiated Measurement (Vertical):

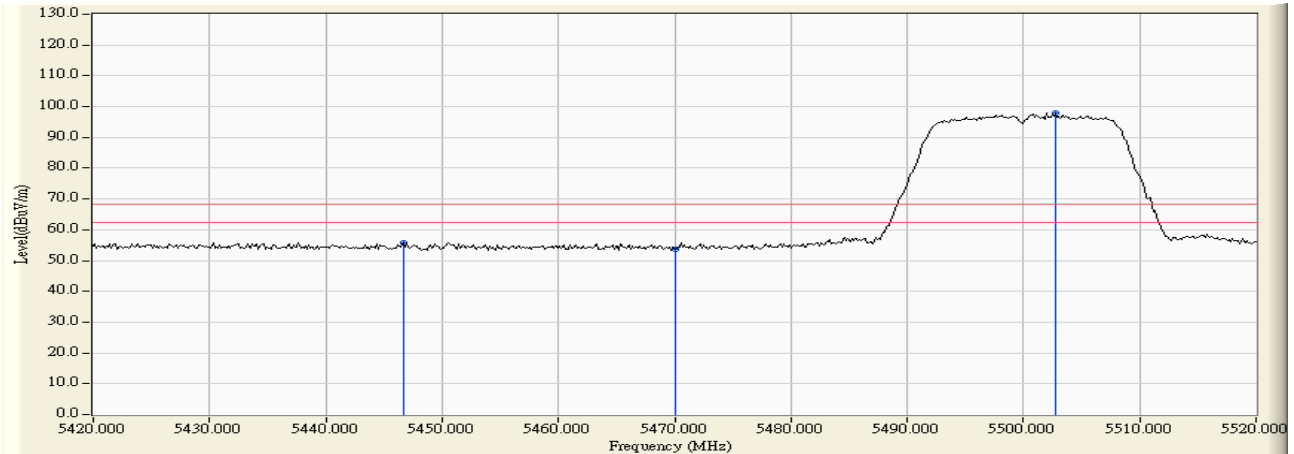
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5458.406	13.378	51.944	65.322	74.00	54.00	Pass
100 (Peak)	5460.000	13.390	50.493	63.883	74.00	54.00	Pass
100 (Peak)	5498.116	13.623	110.669	124.292	--	--	--
100 (Average)	5458.696	13.380	39.329	52.709	74.00	54.00	Pass
100 (Average)	5460.000	13.390	38.726	52.116	74.00	54.00	Pass
100 (Average)	5498.261	13.623	99.697	113.321	--	--	--

Figure Channel 100:**Vertical (Peak)****Figure Channel 100:****Vertical (Average)**

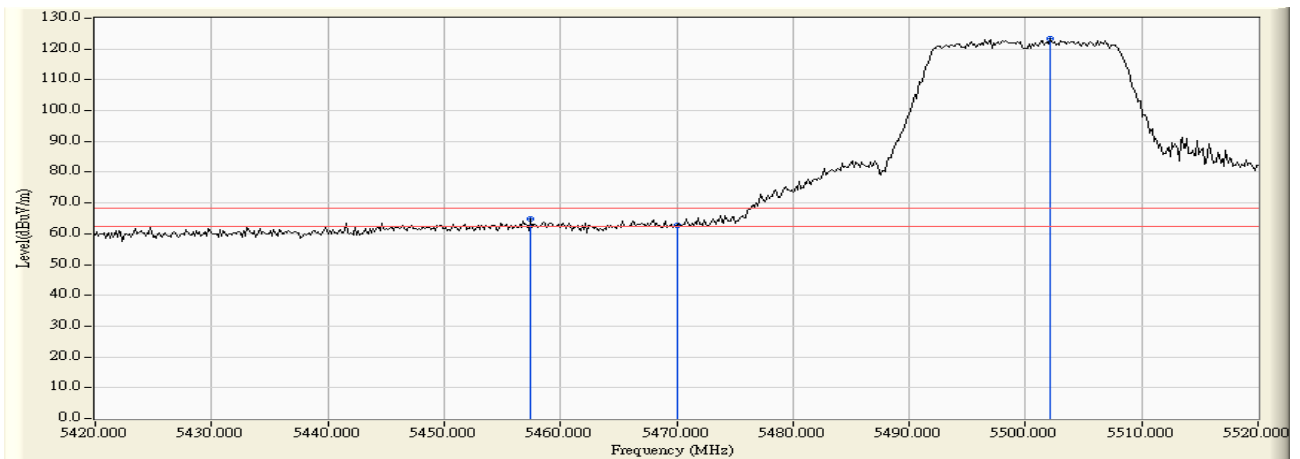
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.2)

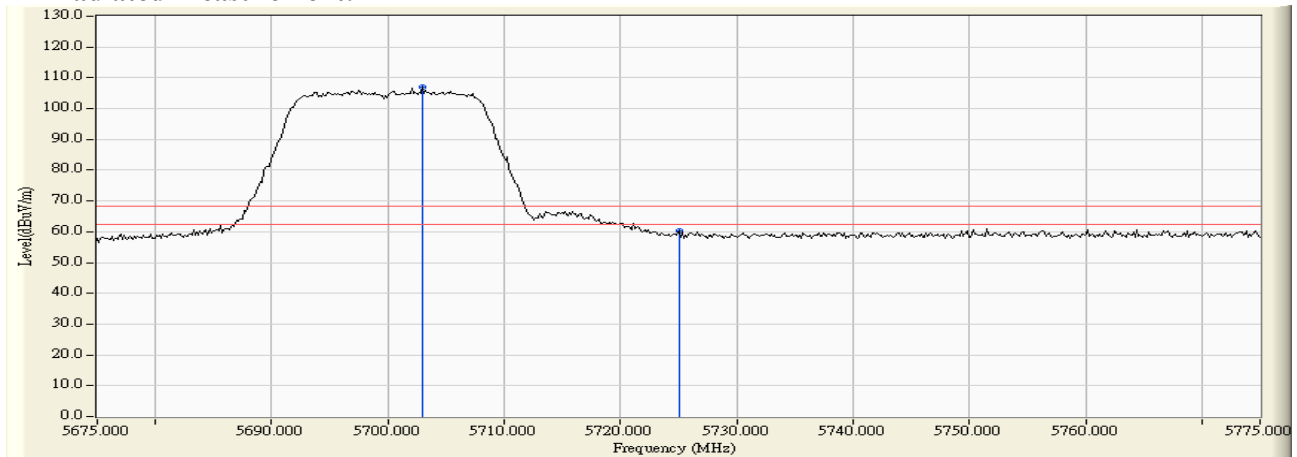
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5446.667	11.523	44.413	55.937	-12.283	68.220	Pass
Horizontal	5470.000	11.838	41.770	53.608	-14.612	68.220	Pass
Horizontal	5502.754	12.188	85.746	97.934	29.714	68.220	Pass

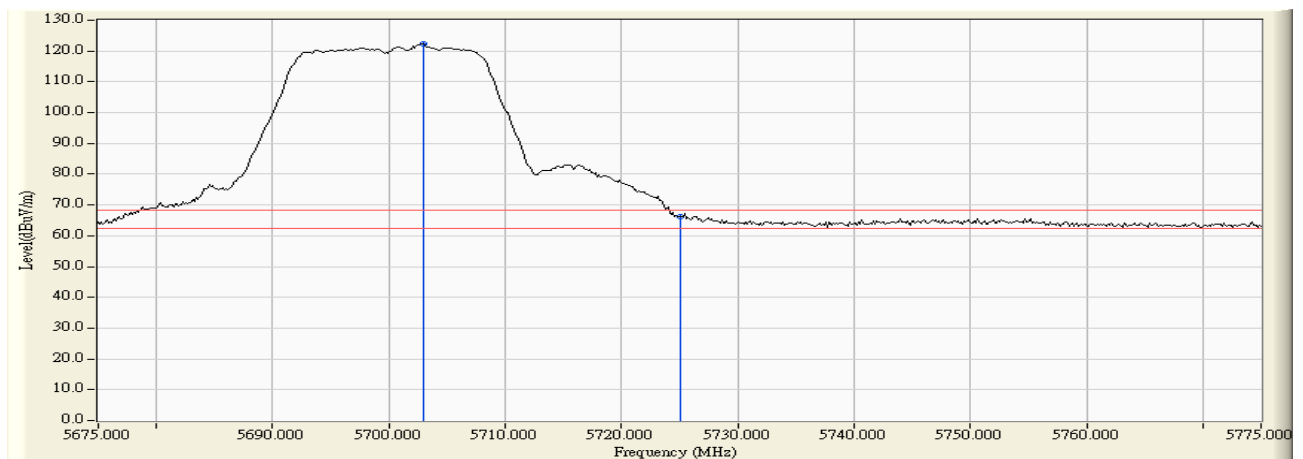


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5457.391	13.371	51.556	64.927	-3.293	68.220	Pass
Vertical	5470.000	13.462	49.173	62.635	-5.585	68.220	Pass
Vertical	5502.174	13.637	109.790	123.426	55.206	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140 (Antenna No.2)

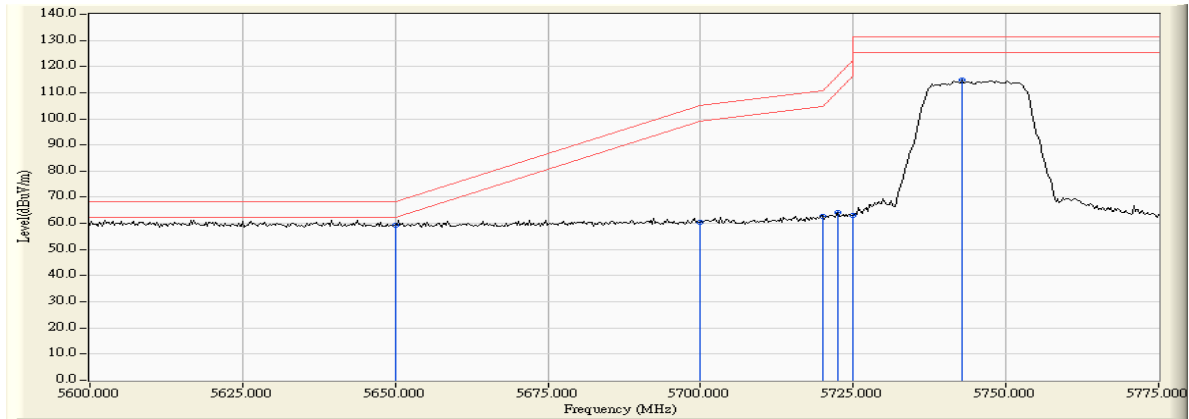
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5702.971	11.646	95.404	107.050	38.830	68.220	Pass
Horizontal	5725.000	11.592	48.780	60.372	-7.848	68.220	Pass

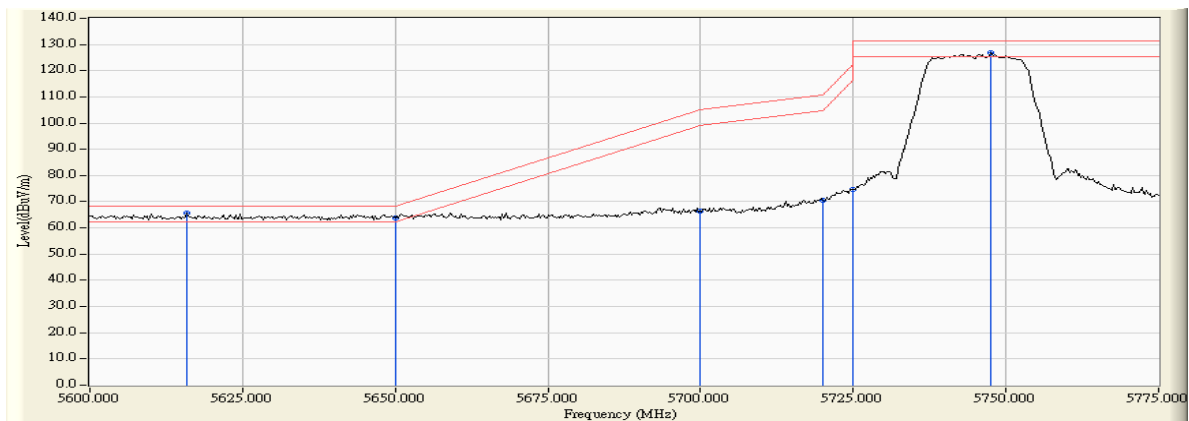


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5702.971	12.998	109.360	122.357	54.137	68.220	Pass
Vertical	5725.000	12.930	53.403	66.333	-1.887	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 149 (Antenna No.2)

RF Radiated Measurement:


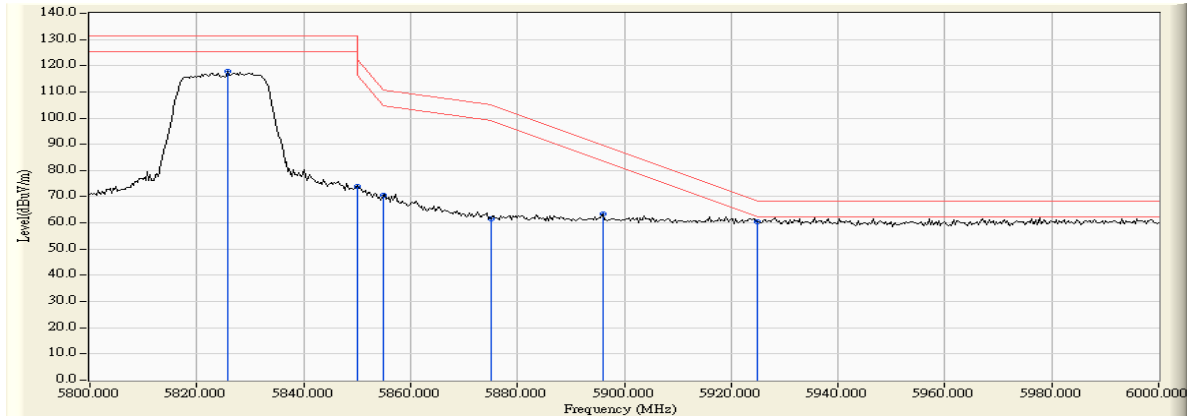
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5650.000	11.554	47.931	59.486	-8.734	68.220	Pass
Horizontal	5700.000	11.647	48.743	60.390	-44.810	105.200	Pass
Horizontal	5720.000	11.607	51.237	62.844	-47.956	110.800	Pass
Horizontal	5722.500	11.600	52.556	64.156	-52.344	116.500	Pass
Horizontal	5725.000	11.592	51.463	63.055	-59.145	122.200	Pass
Horizontal	5742.790	11.536	103.301	114.836	-16.364	131.200	Pass



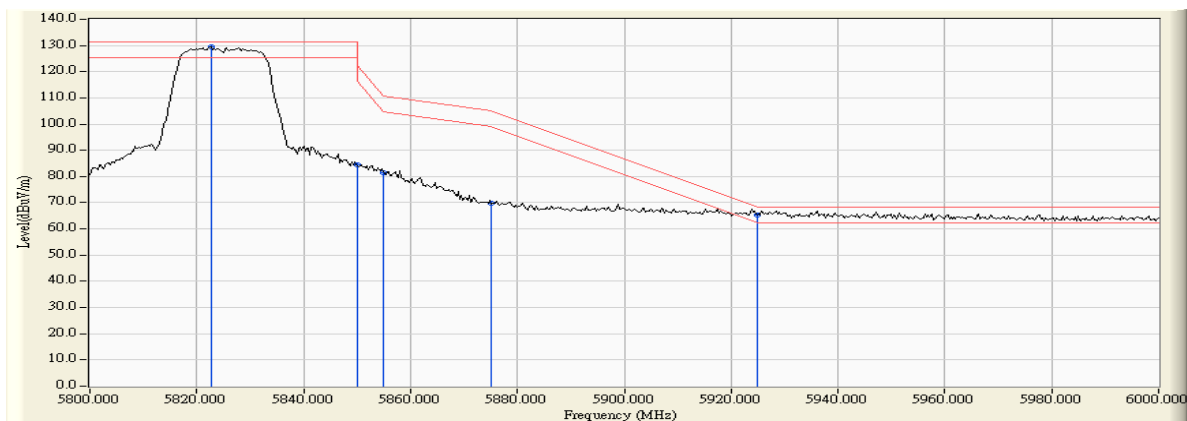
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5615.978	13.037	52.664	65.701	-2.519	68.220	Pass
Vertical	5650.000	13.029	50.876	63.905	-4.315	68.220	Pass
Vertical	5700.000	13.003	53.318	66.321	-38.879	105.200	Pass
Vertical	5720.000	12.947	57.617	70.564	-40.236	110.800	Pass
Vertical	5725.000	12.930	61.864	74.794	-47.406	122.200	Pass
Vertical	5747.609	12.851	113.891	126.742	-4.458	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 165 (Antenna No.2)

RF Radiated Measurement:



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5825.797	11.534	106.313	117.846	-13.354	131.200	Pass
Horizontal	5850.000	11.701	62.376	74.077	-48.123	122.200	Pass
Horizontal	5855.000	11.735	58.942	70.677	-40.123	110.800	Pass
Horizontal	5875.000	11.873	49.735	61.608	-43.592	105.200	Pass
Horizontal	5895.942	12.021	51.515	63.535	-26.168	89.703	Pass
Horizontal	5925.000	12.068	48.309	60.378	-7.822	68.200	Pass

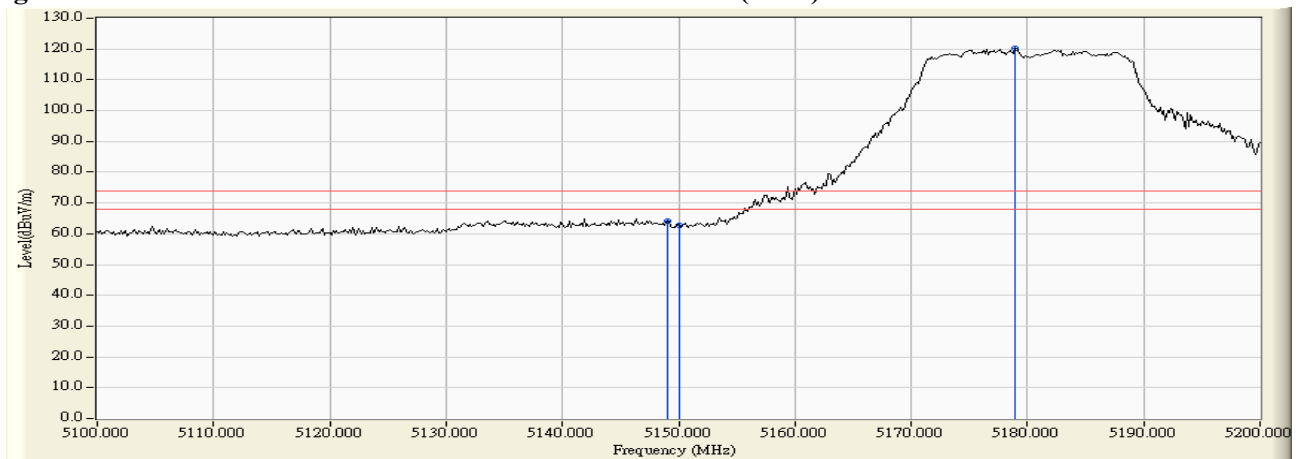
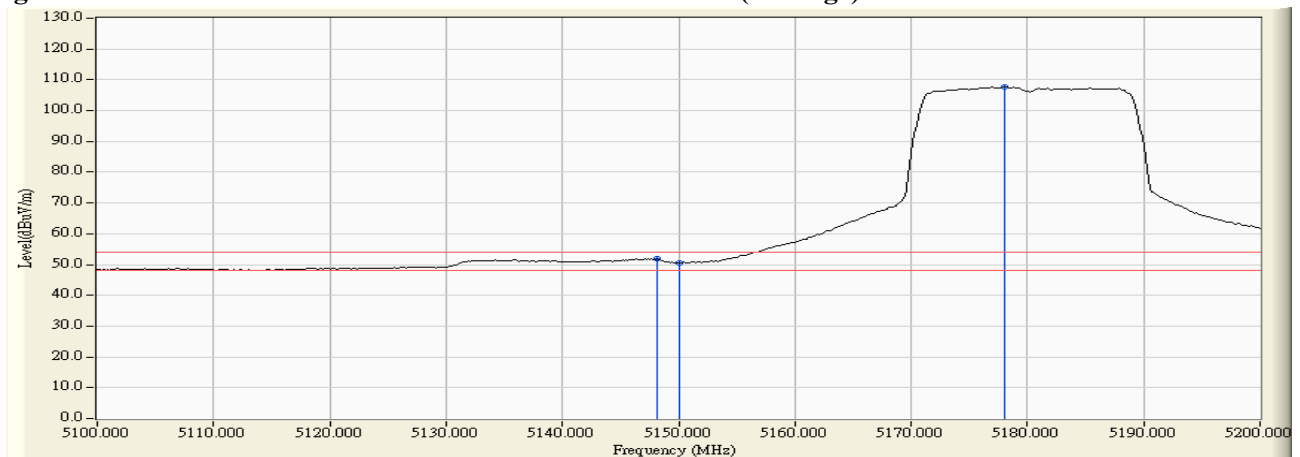


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5822.609	12.716	116.708	129.424	-1.776	131.200	Pass
Vertical	5850.000	12.774	71.749	84.523	-37.677	122.200	Pass
Vertical	5855.000	12.784	68.799	81.583	-29.217	110.800	Pass
Vertical	5875.000	12.825	57.072	69.897	-35.303	105.200	Pass
Vertical	5925.000	12.911	52.388	65.299	-2.901	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 36 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5148.986	10.473	53.611	64.084	74.00	54.00	Pass
36 (Peak)	5150.000	10.470	52.293	62.764	74.00	54.00	Pass
36 (Peak)	5178.986	10.396	109.875	120.271	--	--	--
36 (Average)	5148.116	10.476	41.347	51.823	74.00	54.00	Pass
36 (Average)	5150.000	10.470	40.036	50.507	74.00	54.00	Pass
36 (Average)	5177.971	10.398	97.228	107.627	--	--	--

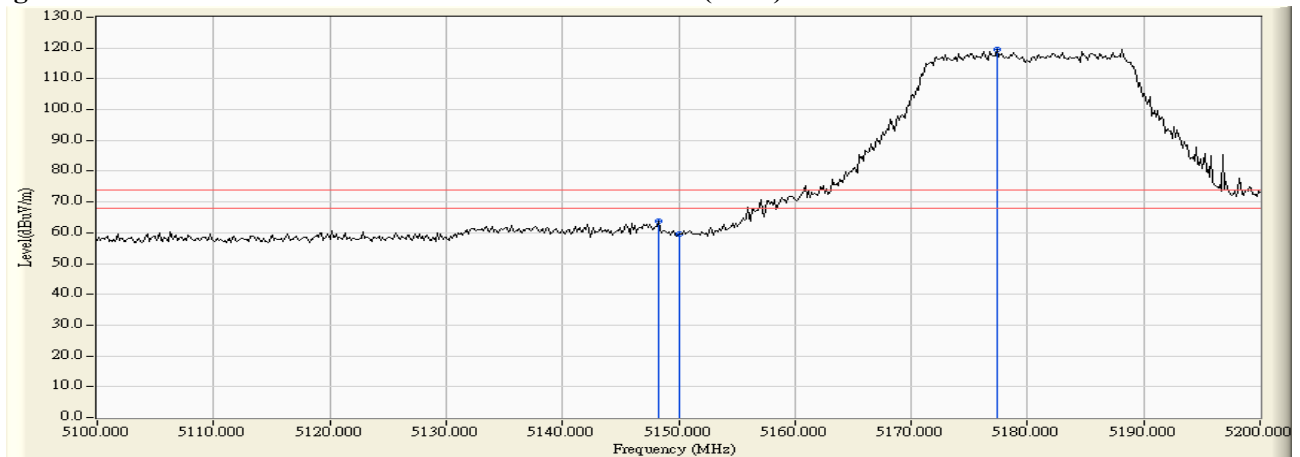
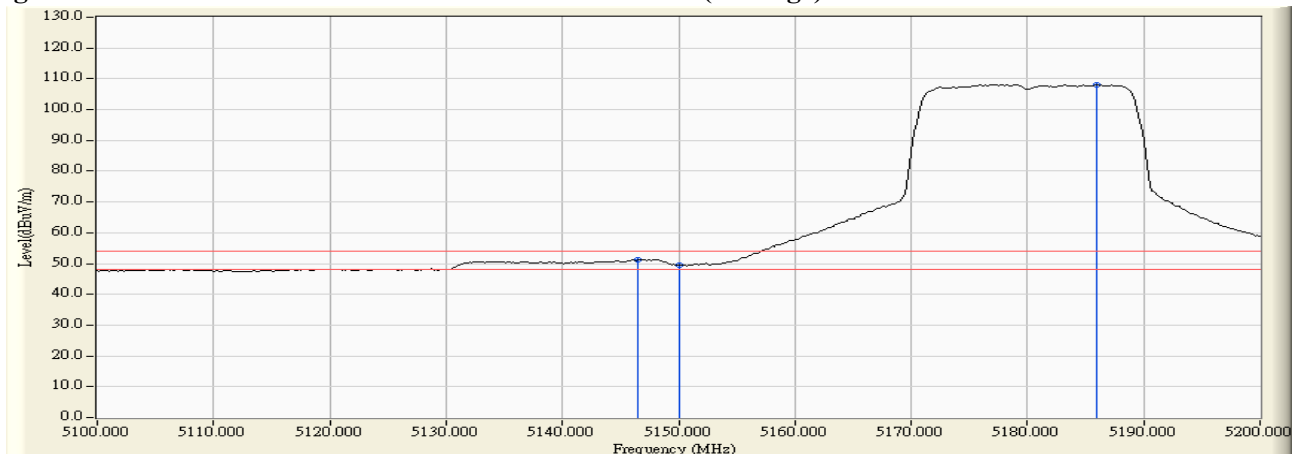
Figure Channel 36: Horizontal (Peak)**Figure Channel 36: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 36 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5148.261	12.384	51.273	63.657	74.00	54.00	Pass
36 (Peak)	5150.000	12.390	47.143	59.533	74.00	54.00	Pass
36 (Peak)	5177.391	12.492	107.181	119.673	--	--	--
36 (Average)	5146.522	12.378	38.822	51.199	74.00	54.00	Pass
36 (Average)	5150.000	12.390	37.073	49.463	74.00	54.00	Pass
36 (Average)	5185.942	12.523	95.527	108.050	--	--	--

Figure Channel 36: Vertical (Peak)

Figure Channel 36: Vertical (Average)


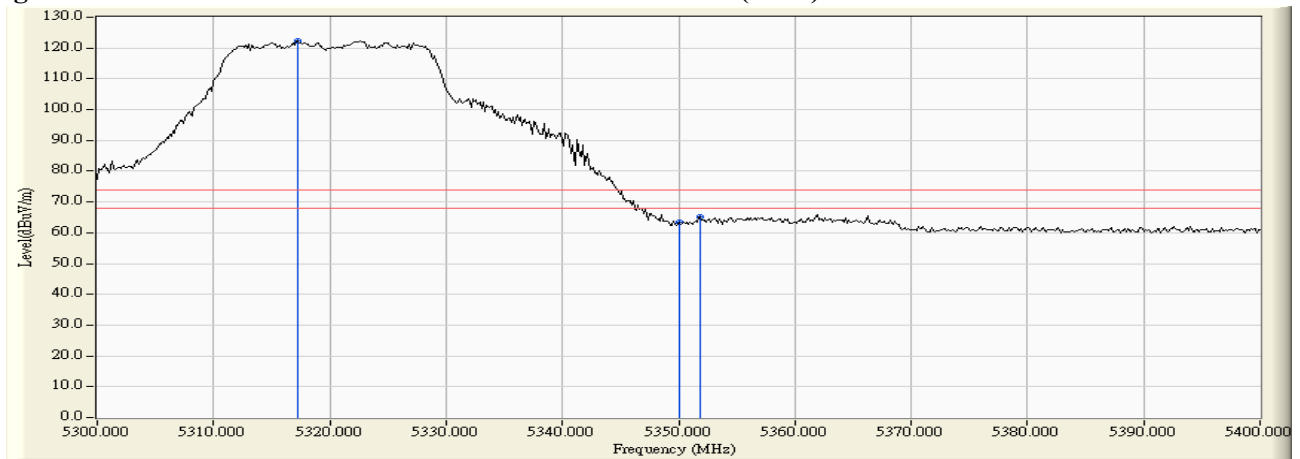
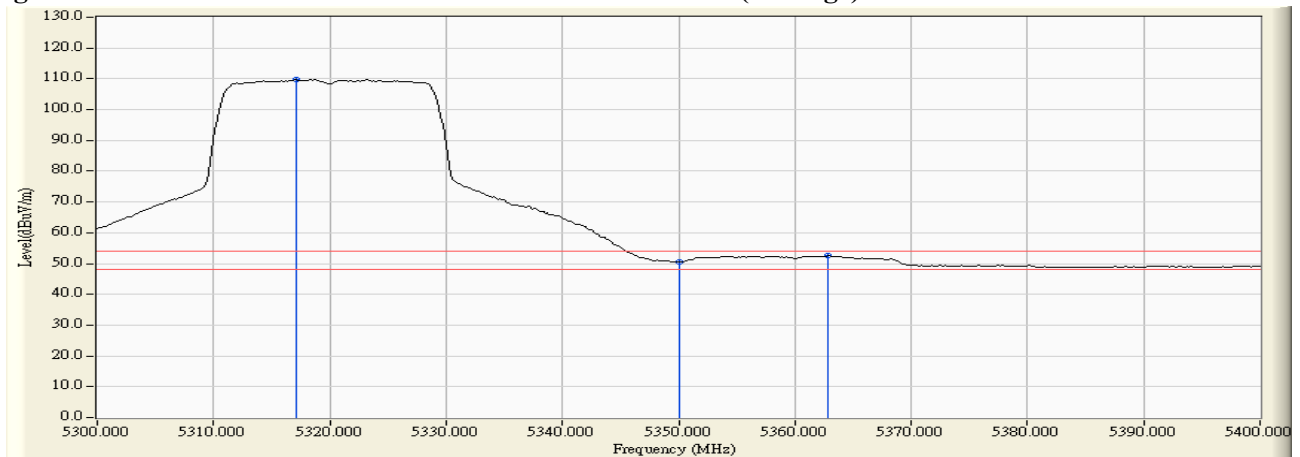
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 64 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5317.246	11.108	111.347	122.455	--	--	--
64 (Peak)	5350.000	11.024	52.285	63.309	74.00	54.00	Pass
64 (Peak)	5351.884	11.020	54.275	65.294	74.00	54.00	Pass
64 (Average)	5317.101	11.108	98.547	109.655	--	--	--
64 (Average)	5350.000	11.024	39.611	50.635	74.00	54.00	Pass
64 (Average)	5362.899	10.990	41.556	52.546	74.00	54.00	Pass

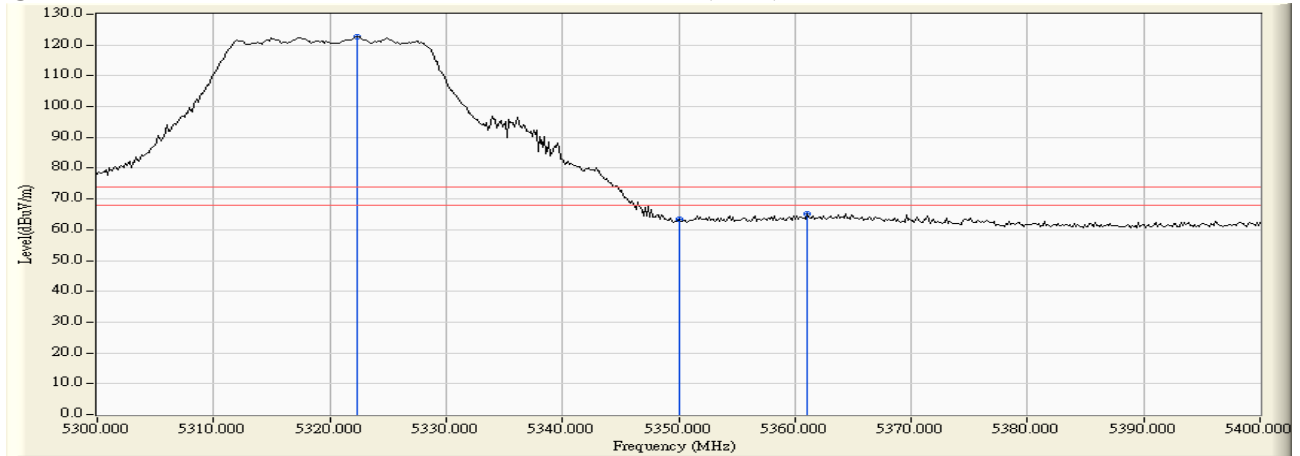
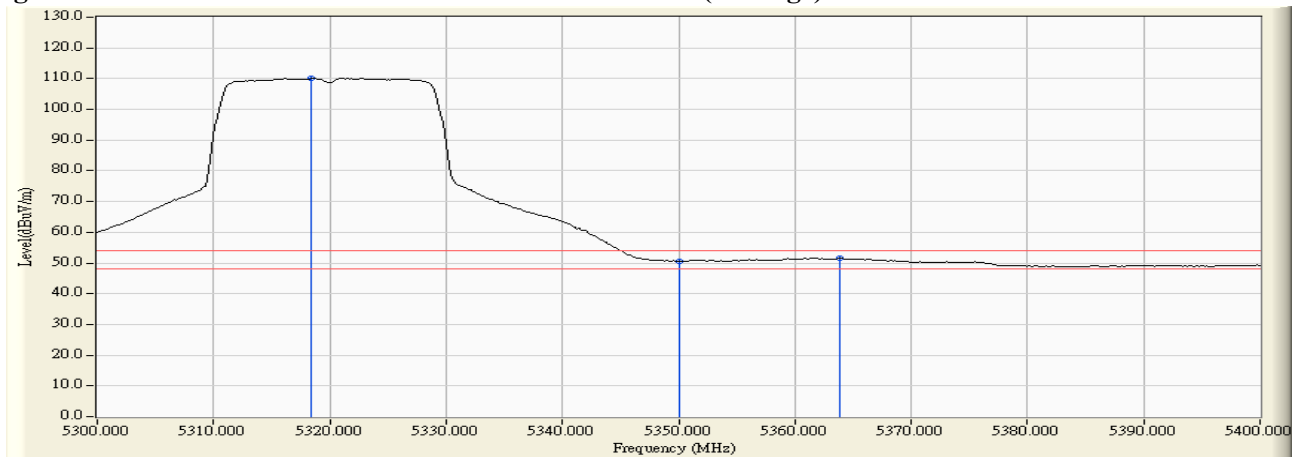
Figure Channel 64: Horizontal (Peak)**Figure Channel 64: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 64 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5322.319	13.016	109.789	122.805	--	--	--
64 (Peak)	5350.000	12.999	50.557	63.556	74.00	54.00	Pass
64 (Peak)	5361.014	12.991	52.158	65.149	74.00	54.00	Pass
64 (Average)	5318.406	13.019	97.222	110.241	--	--	--
64 (Average)	5350.000	12.999	37.479	50.478	74.00	54.00	Pass
64 (Average)	5363.913	12.989	38.434	51.423	74.00	54.00	Pass

Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)**

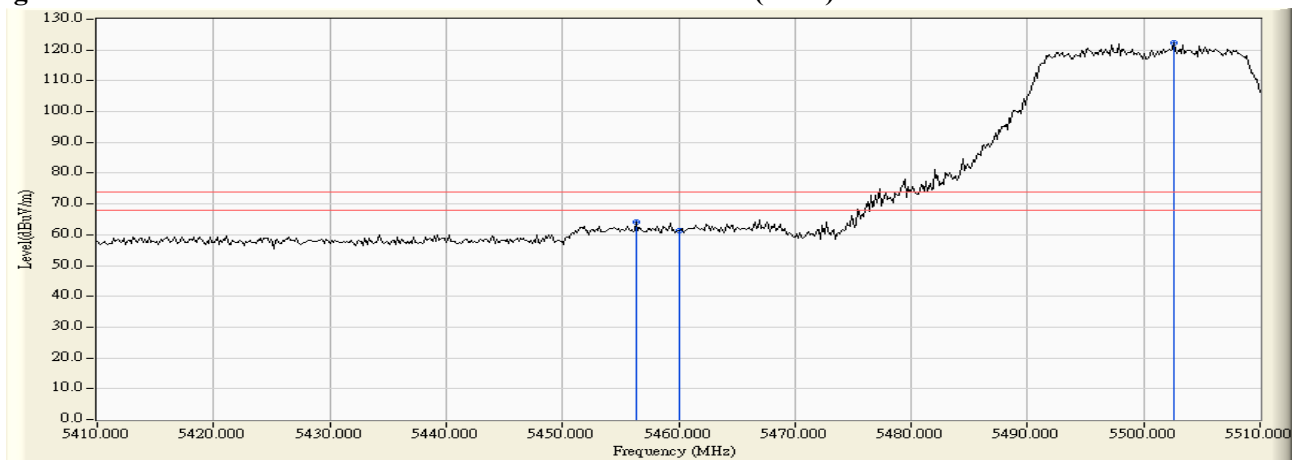
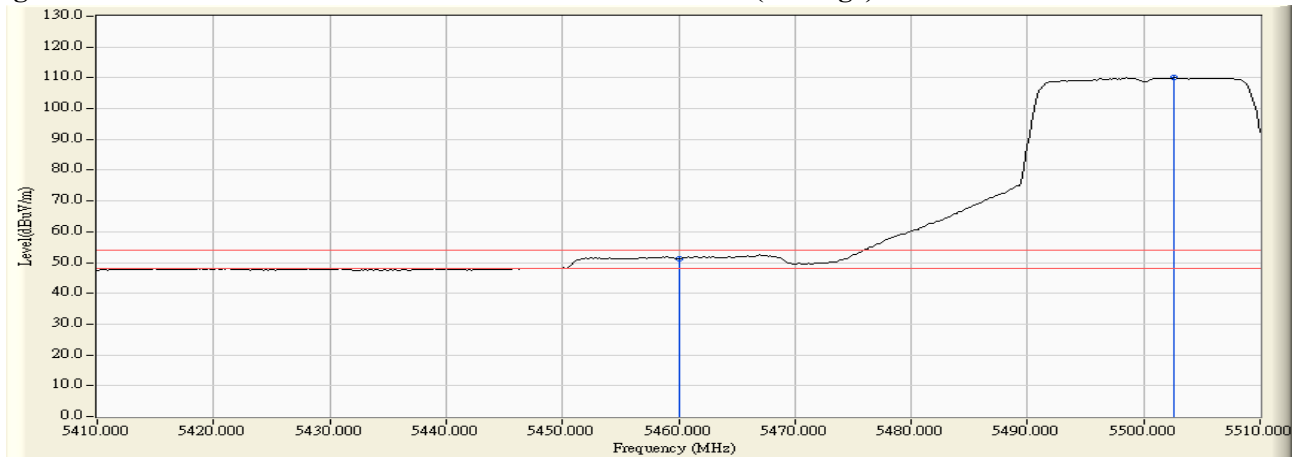
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5456.377	11.655	52.390	64.044	74.00	54.00	Pass
100 (Peak)	5460.000	11.703	49.534	61.237	74.00	54.00	Pass
100 (Peak)	5502.609	12.187	110.195	122.382	--	--	--
100 (Average)	5460.000	11.703	39.477	51.180	74.00	54.00	Pass
100 (Average)	5502.609	12.187	97.887	110.074	--	--	--

Figure Channel 100: Horizontal (Peak)**Figure Channel 100: Horizontal (Average)**

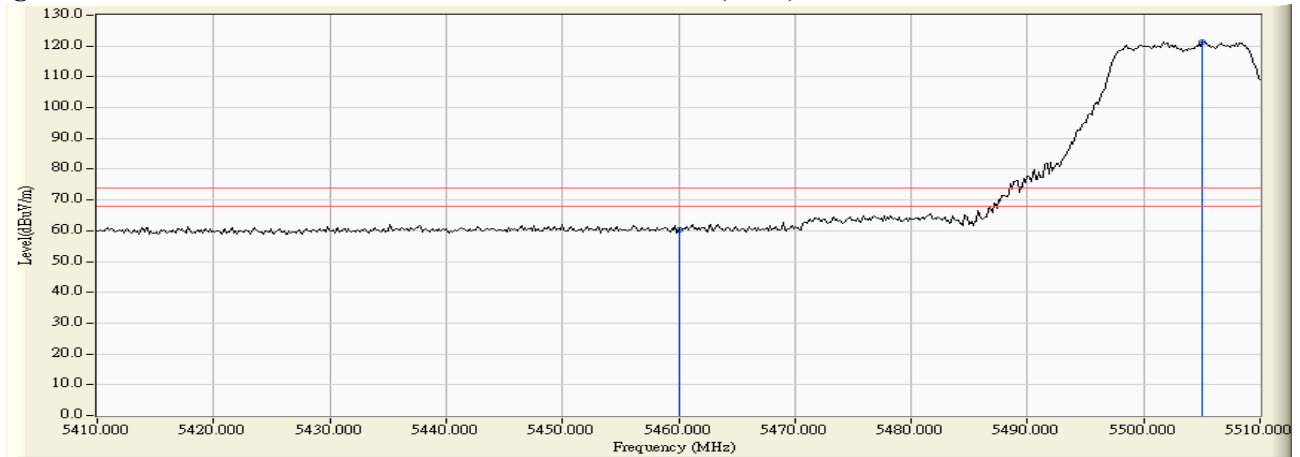
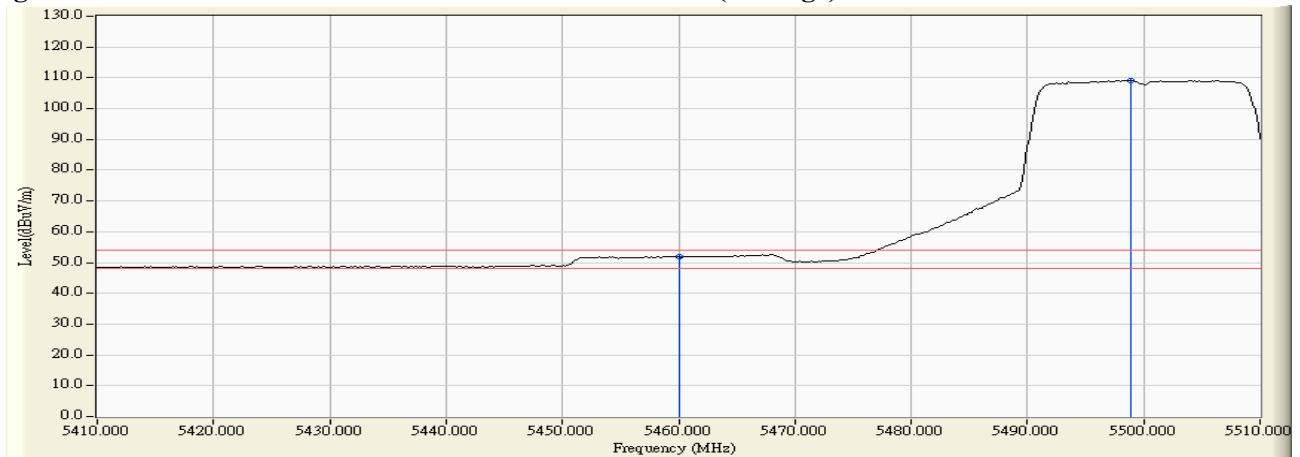
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.2)

RF Radiated Measurement (Vertical):

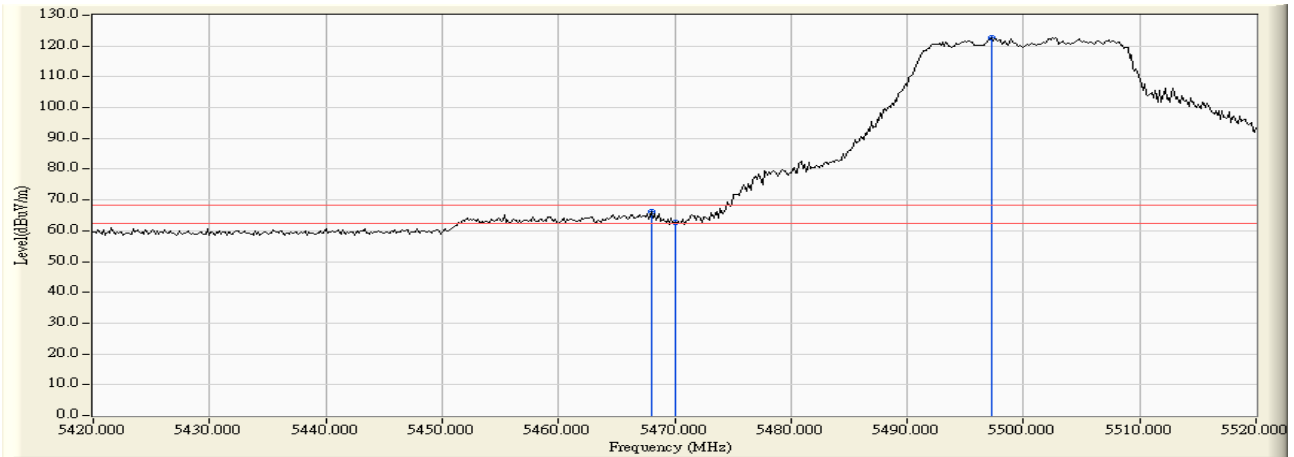
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5460.000	13.390	46.908	60.298	74.00	54.00	Pass
100 (Peak)	5505.072	13.645	107.770	121.414	--	--	--
100 (Average)	5460.000	13.390	38.443	51.833	74.00	54.00	Pass
100 (Average)	5498.841	13.625	95.485	109.111	--	--	--

Figure Channel 100:**Vertical (Peak)****Figure Channel 100:****Vertical (Average)**

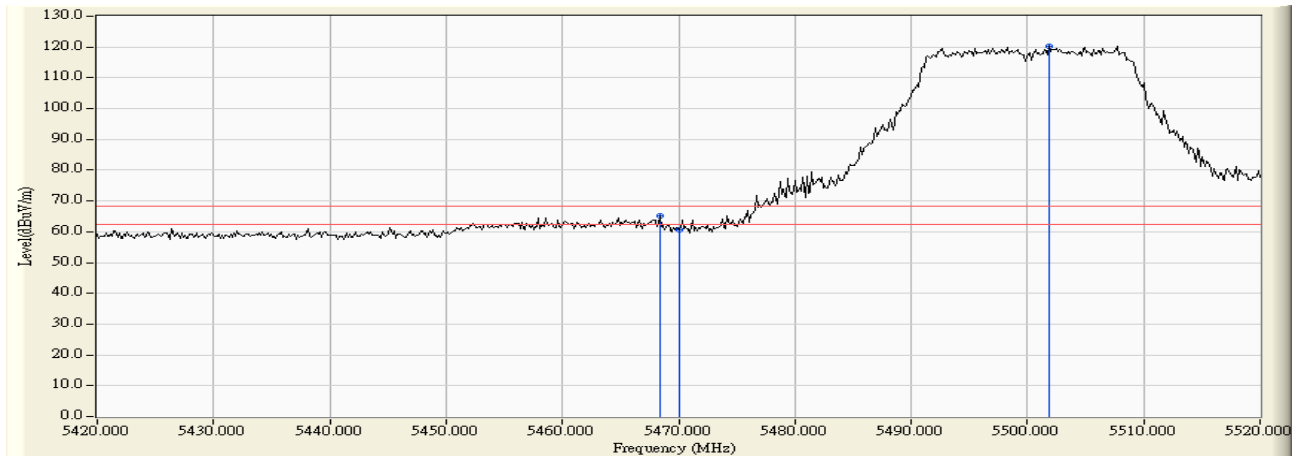
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.2)

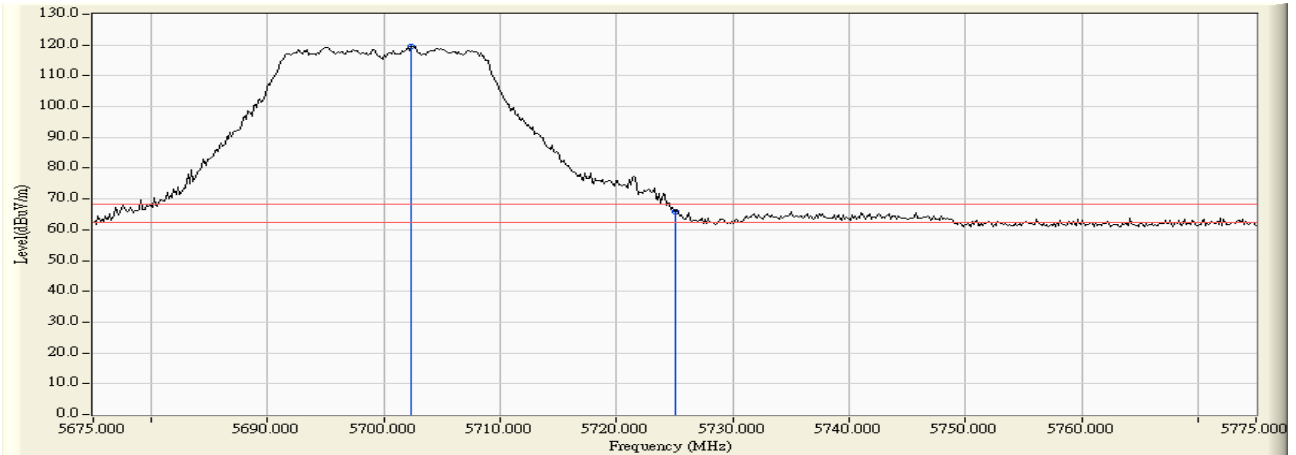
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5467.971	11.811	54.410	66.221	-1.999	68.220	Pass
Horizontal	5470.000	11.838	50.813	62.651	-5.569	68.220	Pass
Horizontal	5497.246	12.150	110.692	122.841	54.621	68.220	Pass

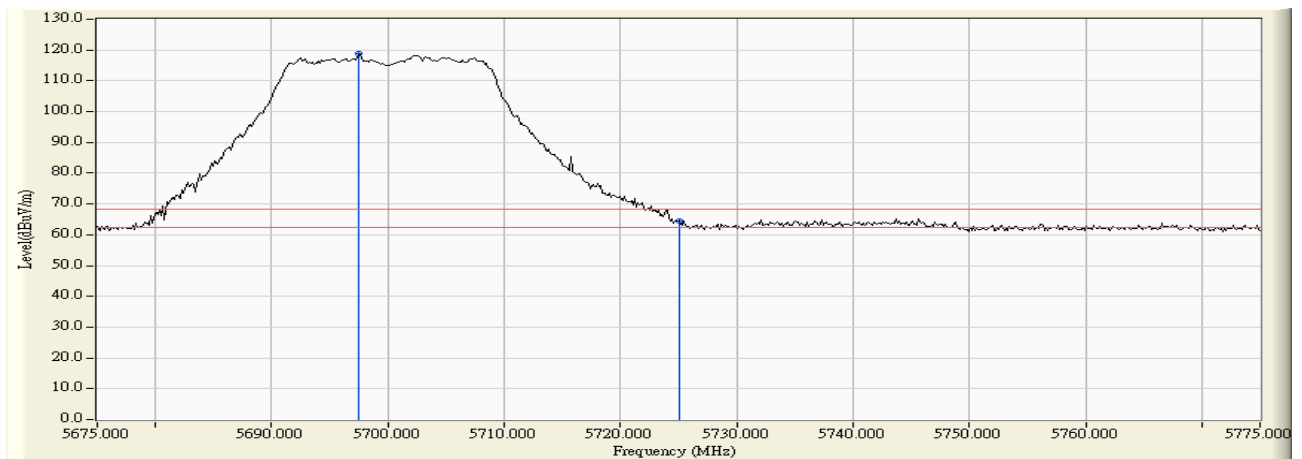


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5468.406	13.450	51.732	65.182	-3.038	68.220	Pass
Vertical	5470.000	13.462	47.028	60.490	-7.730	68.220	Pass
Vertical	5501.884	13.634	106.752	120.387	52.167	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 140 (Antenna No.2)

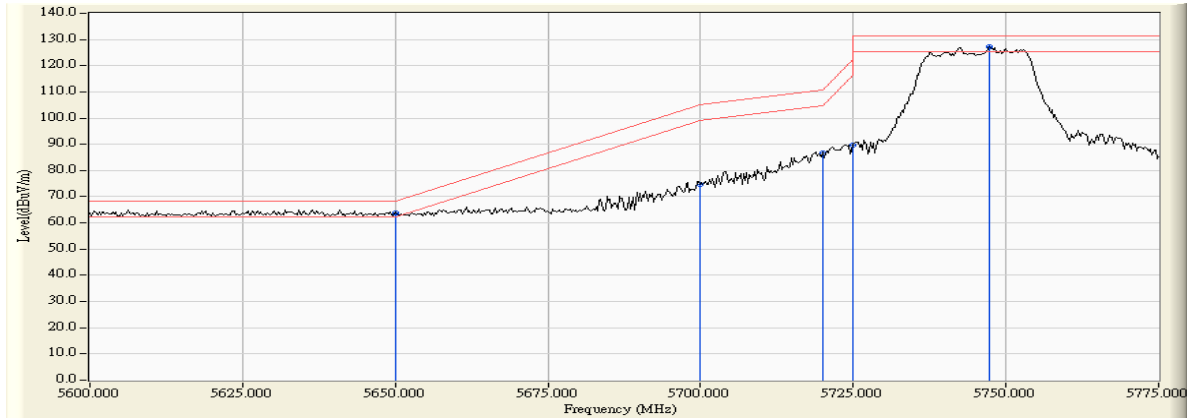
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5702.391	11.646	107.915	119.561	51.341	68.220	Pass
Horizontal	5725.000	11.592	54.225	65.817	-2.403	68.220	Pass

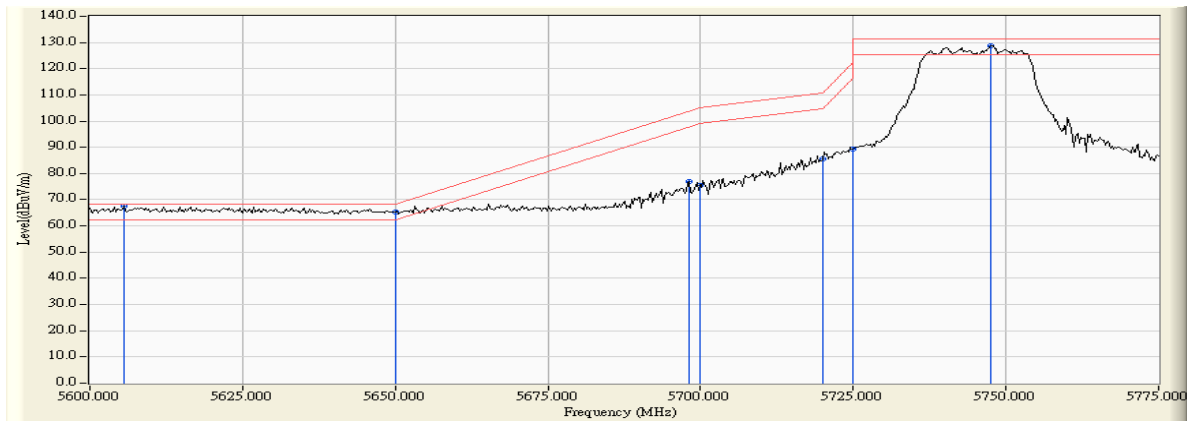


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5697.464	13.007	105.665	118.673	50.453	68.220	Pass
Vertical	5725.000	12.930	51.505	64.435	-3.785	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 149 (Antenna No.2)

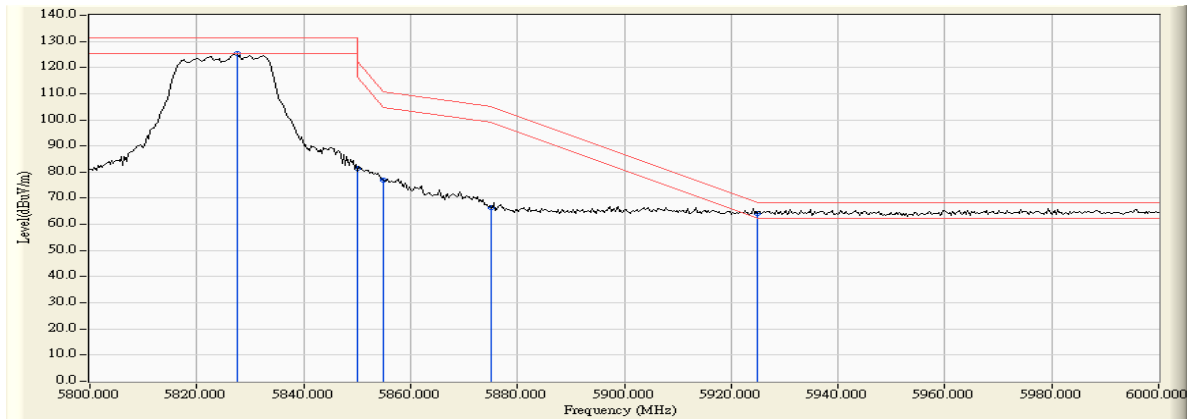
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5650.000	11.554	52.403	63.958	-4.262	68.220	Pass
Horizontal	5700.000	11.647	63.221	74.868	-30.332	105.200	Pass
Horizontal	5720.000	11.607	75.219	86.826	-23.974	110.800	Pass
Horizontal	5725.000	11.592	78.204	89.796	-32.404	122.200	Pass
Horizontal	5747.355	11.521	115.657	127.178	-4.022	131.200	Pass

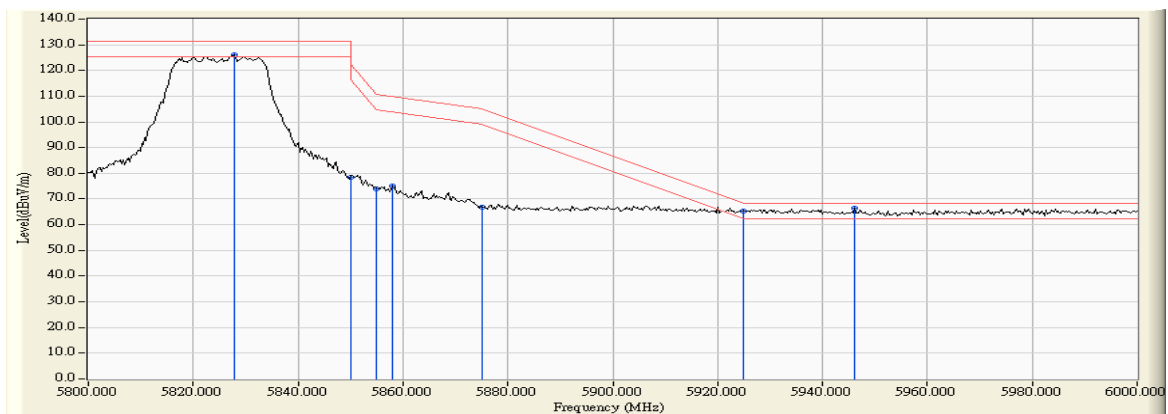


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5605.580	13.041	54.636	67.677	-0.543	68.220	Pass
Vertical	5650.000	13.029	52.446	65.475	-2.745	68.220	Pass
Vertical	5698.152	13.006	63.762	76.769	-27.064	103.833	Pass
Vertical	5700.000	13.003	62.395	75.398	-29.802	105.200	Pass
Vertical	5720.000	12.947	72.599	85.546	-25.254	110.800	Pass
Vertical	5725.000	12.930	76.527	89.457	-32.743	122.200	Pass
Vertical	5747.609	12.851	115.834	128.685	-2.515	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 165 (Antenna No.2)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5827.536	11.546	113.776	125.321	-5.879	131.200	Pass
Horizontal	5850.000	11.701	69.804	81.505	-40.695	122.200	Pass
Horizontal	5855.000	11.735	65.089	76.824	-33.976	110.800	Pass
Horizontal	5875.000	11.873	54.442	66.315	-38.885	105.200	Pass
Horizontal	5925.000	12.068	52.259	64.328	-3.872	68.200	Pass

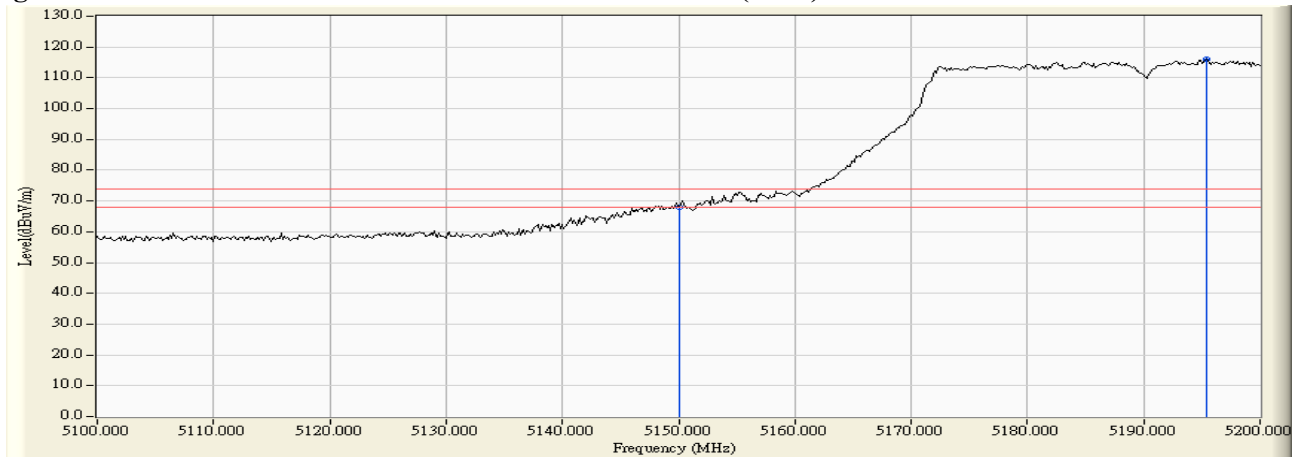
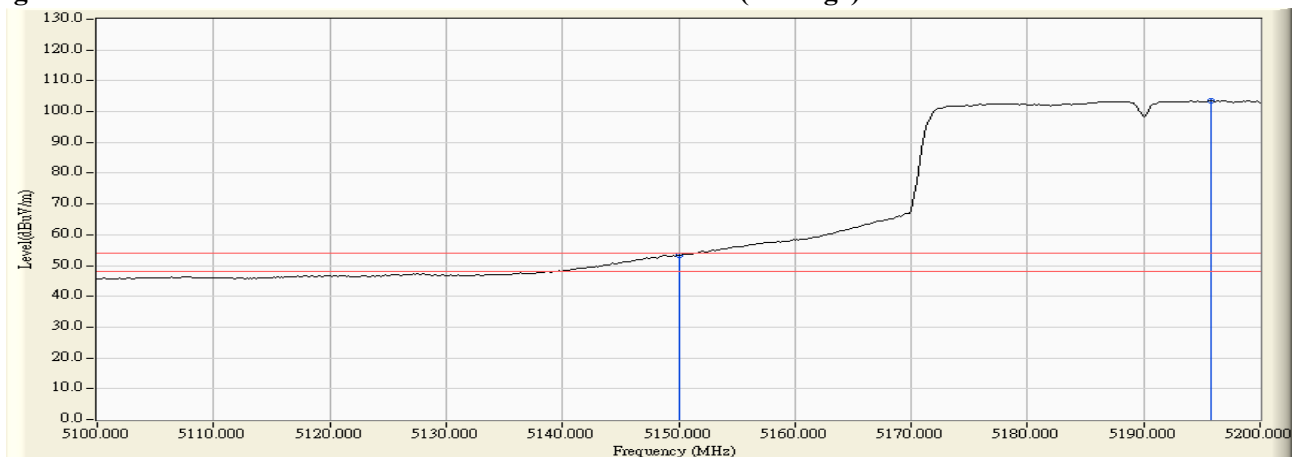


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5827.826	12.727	113.515	126.242	-4.958	131.200	Pass
Vertical	5850.000	12.774	65.769	78.543	-43.657	122.200	Pass
Vertical	5855.000	12.784	61.322	74.106	-36.694	110.800	Pass
Vertical	5857.971	12.791	62.457	75.247	-34.721	109.968	Pass
Vertical	5875.000	12.825	53.946	66.771	-38.429	105.200	Pass
Vertical	5925.000	12.911	52.515	65.426	-2.774	68.200	Pass
Vertical	5946.087	12.940	53.326	66.266	-1.934	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 38 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
38 (Peak)	5150.000	10.470	57.473	67.944	74.00	54.00	Pass
38 (Peak)	5195.362	10.348	105.720	116.068	--	--	--
38 (Average)	5150.000	10.470	42.831	53.302	74.00	54.00	Pass
38 (Average)	5195.797	10.346	93.277	103.623	--	--	--

Figure Channel 38:
Horizontal (Peak)

Figure Channel 38:
Horizontal (Average)


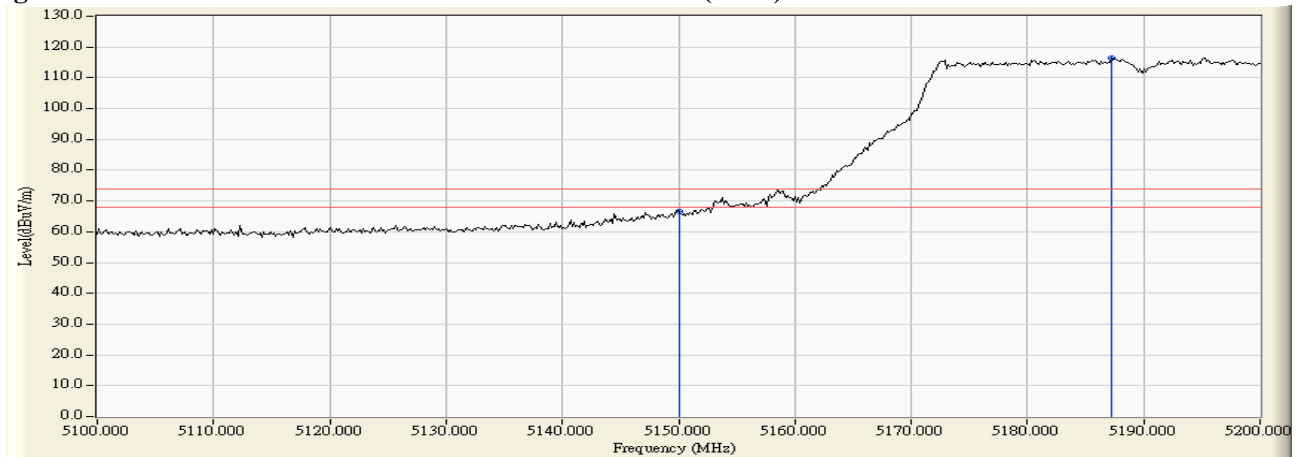
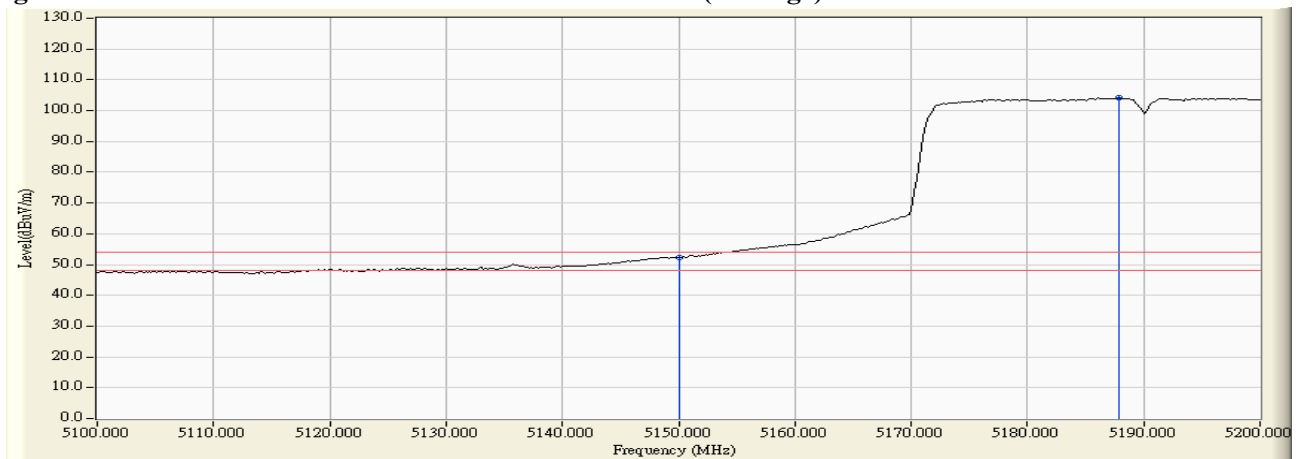
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 38 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
38 (Peak)	5150.000	12.390	54.185	66.575	74.00	54.00	Pass
38 (Peak)	5187.246	12.528	103.925	116.454	--	--	--
38 (Average)	5150.000	12.390	39.869	52.259	74.00	54.00	Pass
38 (Average)	5187.826	12.531	91.638	104.169	--	--	--

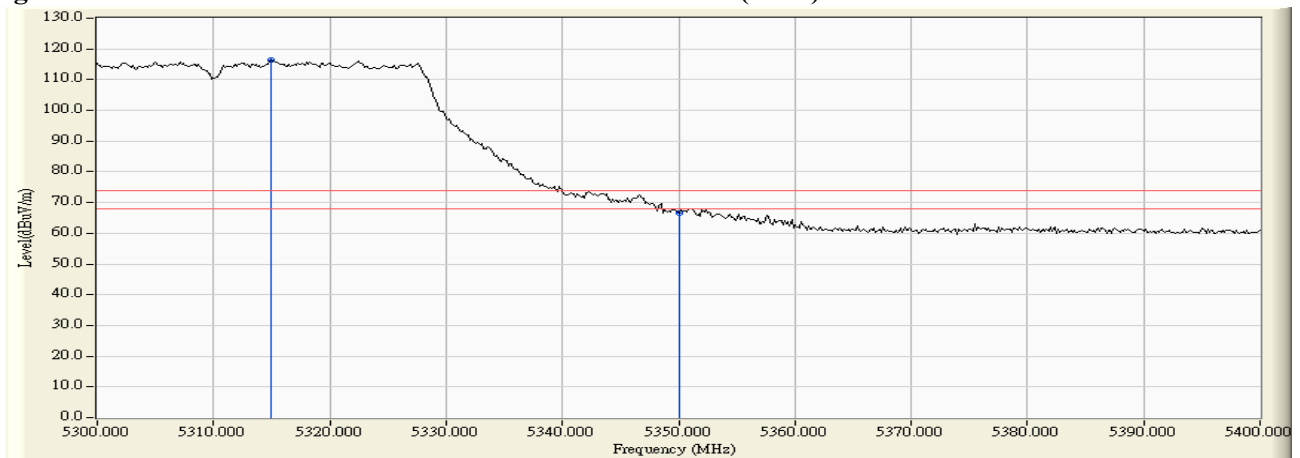
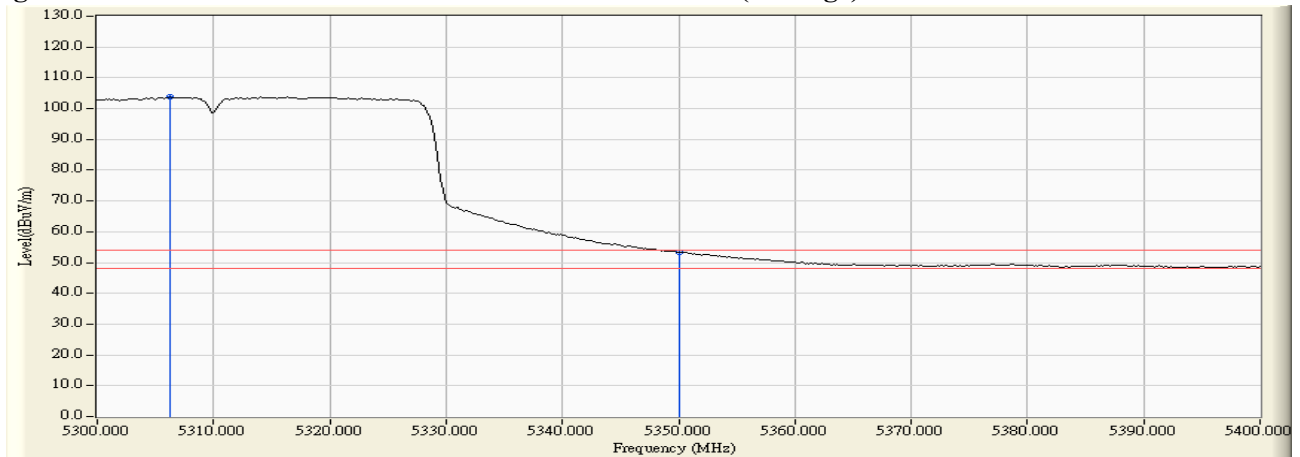
Figure Channel 38: Vertical (Peak)

Figure Channel 38: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 62 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
62 (Peak)	5314.928	11.114	105.252	116.366	--	--	--
62 (Peak)	5350.000	11.024	55.652	66.676	74.00	54.00	Pass
62 (Average)	5306.232	11.137	92.658	103.794	--	--	--
62 (Average)	5350.000	11.024	42.266	53.290	74.00	54.00	Pass

Figure Channel 62: Horizontal (Peak)

Figure Channel 62: Horizontal (Average)


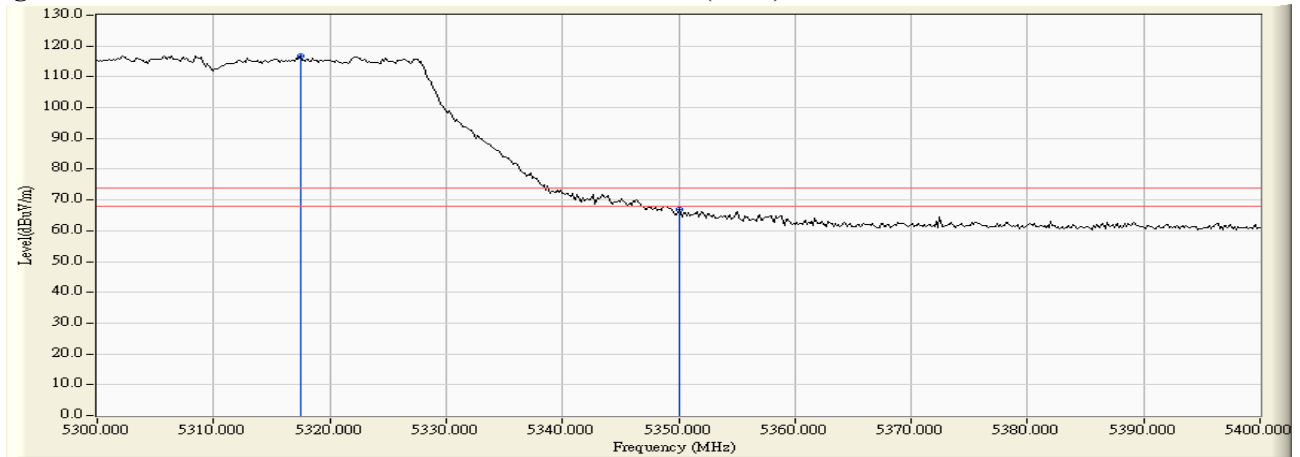
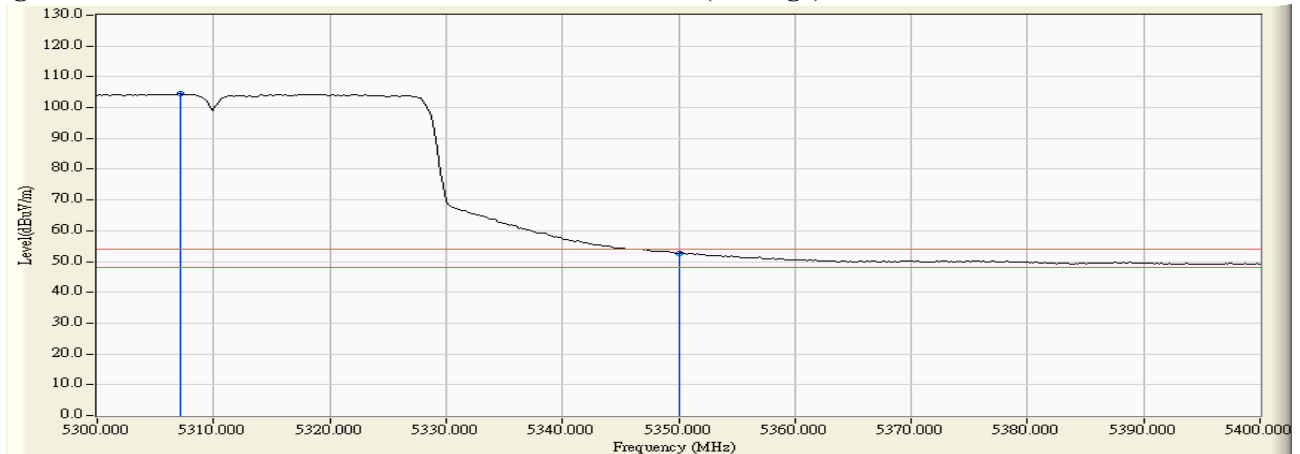
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 62 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5317.536	13.019	103.854	116.873	--	--	--
62 (Peak)	5350.000	12.999	53.745	66.744	74.00	54.00	Pass
62 (Average)	5307.102	13.026	91.389	104.415	--	--	--
62 (Average)	5350.000	12.999	39.759	52.758	74.00	54.00	Pass

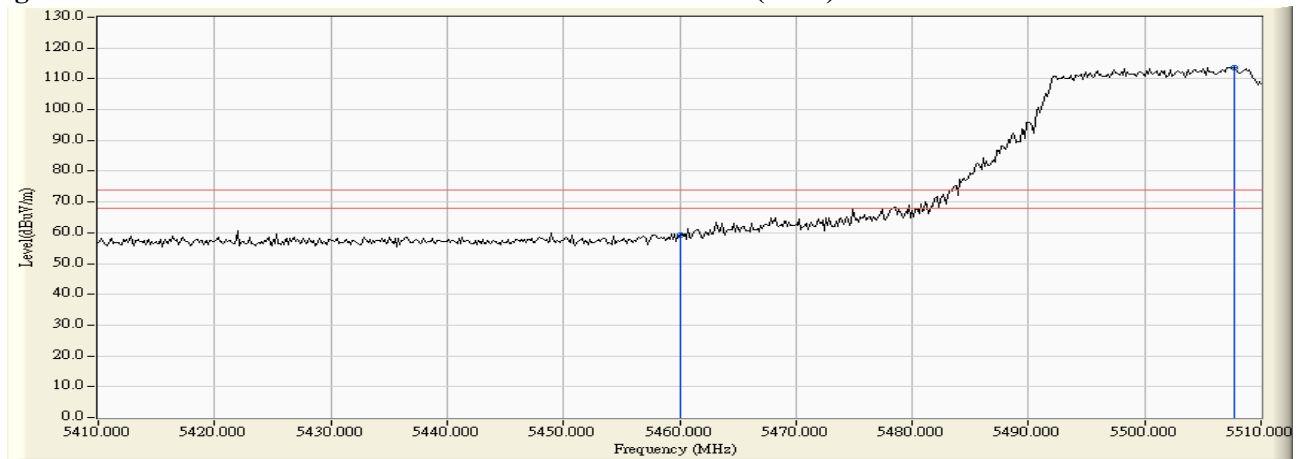
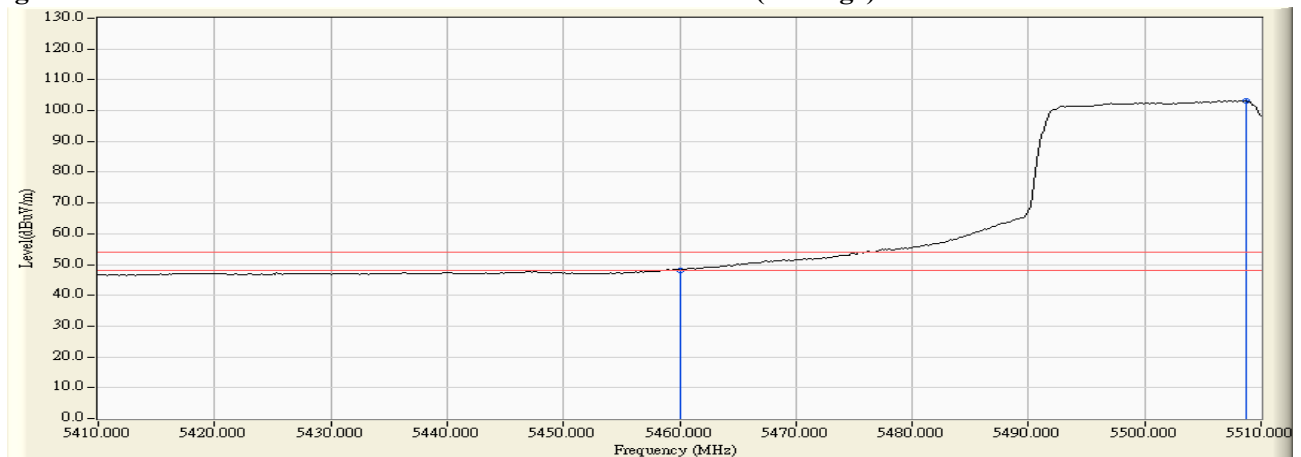
Figure Channel 62: Vertical (Peak)**Figure Channel 62: Vertical (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5460.000	11.703	47.423	59.126	74.00	54.00	Pass
102 (Peak)	5507.681	12.183	101.597	113.779	--	--	--
102 (Average)	5460.000	11.703	36.527	48.230	74.00	54.00	Pass
102 (Average)	5508.696	12.174	90.996	103.170	--	--	--

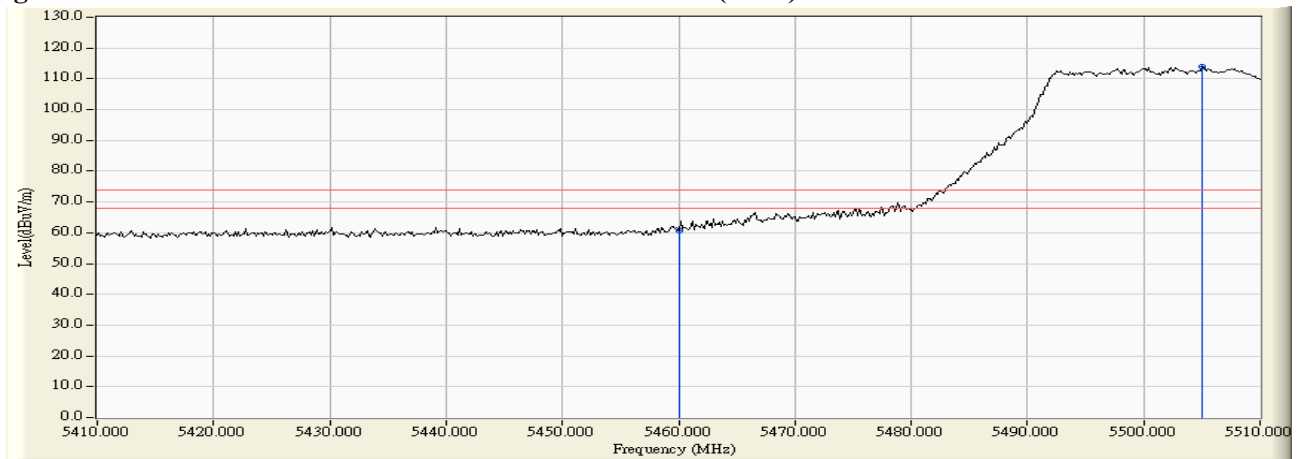
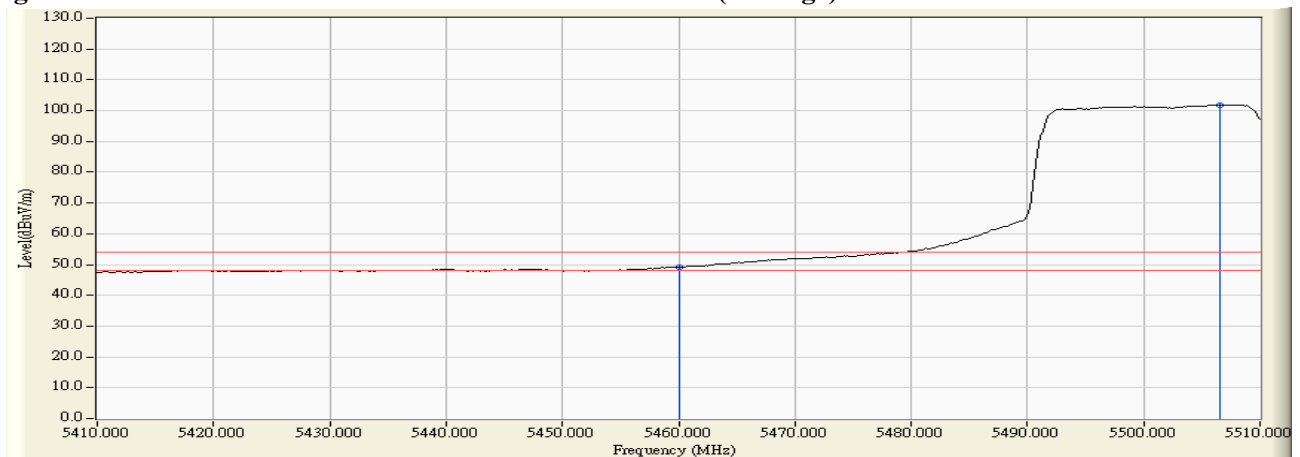
Figure Channel 102: Horizontal (Peak)**Figure Channel 102: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.2)

RF Radiated Measurement (Vertical):

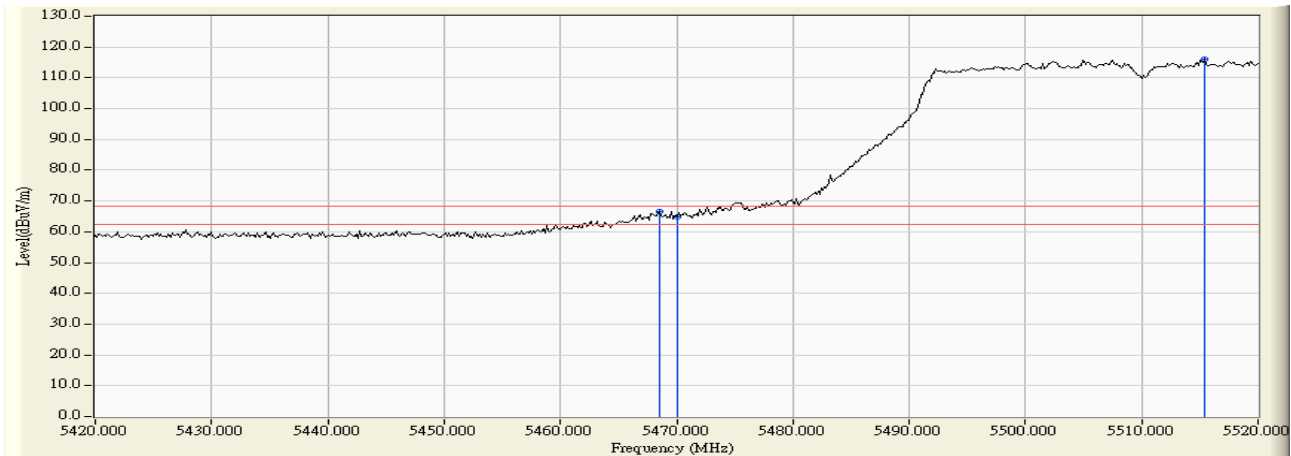
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5460.000	13.390	47.302	60.692	74.00	54.00	Pass
102 (Peak)	5505.072	13.645	100.215	113.859	--	--	--
102 (Average)	5460.000	13.390	35.925	49.315	74.00	54.00	Pass
102 (Average)	5506.522	13.635	88.218	101.853	--	--	--

Figure Channel 102: Vertical (Peak)**Figure Channel 102: Vertical (Average)**

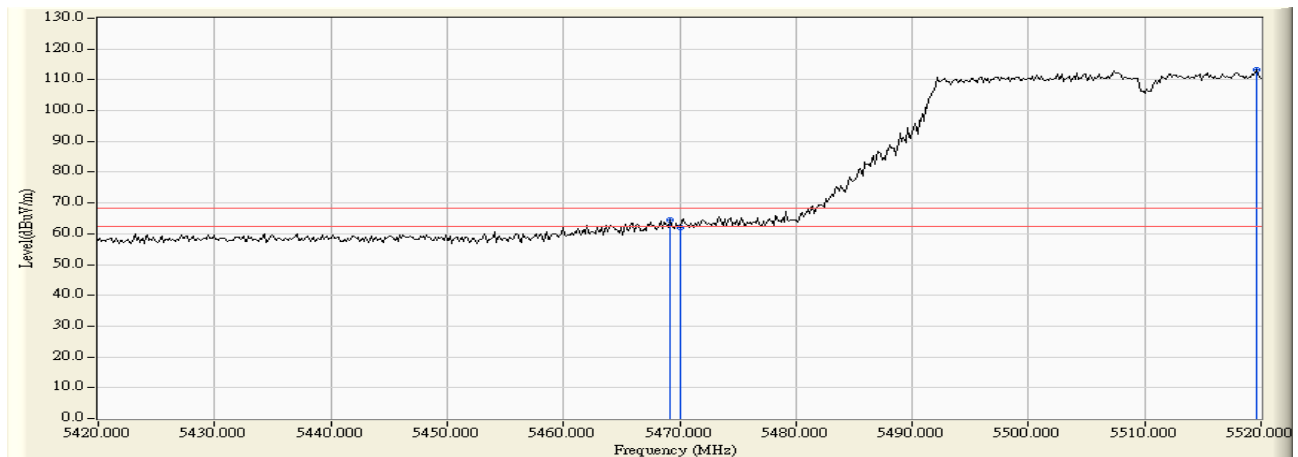
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.2)

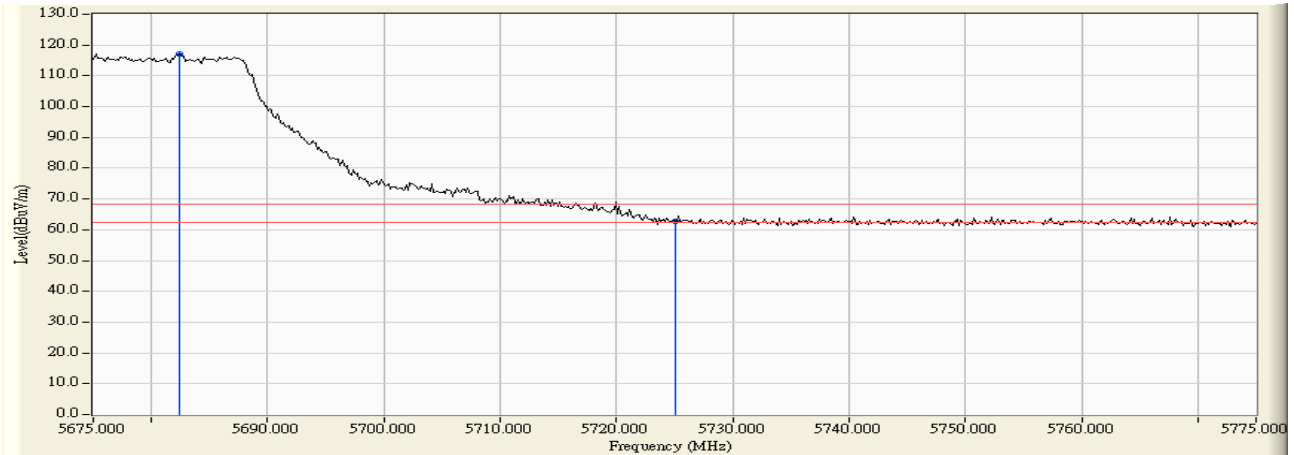
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5468.551	11.818	54.885	66.704	-1.516	68.220	Pass
Horizontal	5470.000	11.838	52.852	64.690	-3.530	68.220	Pass
Horizontal	5515.362	12.120	103.770	115.890	47.670	68.220	Pass

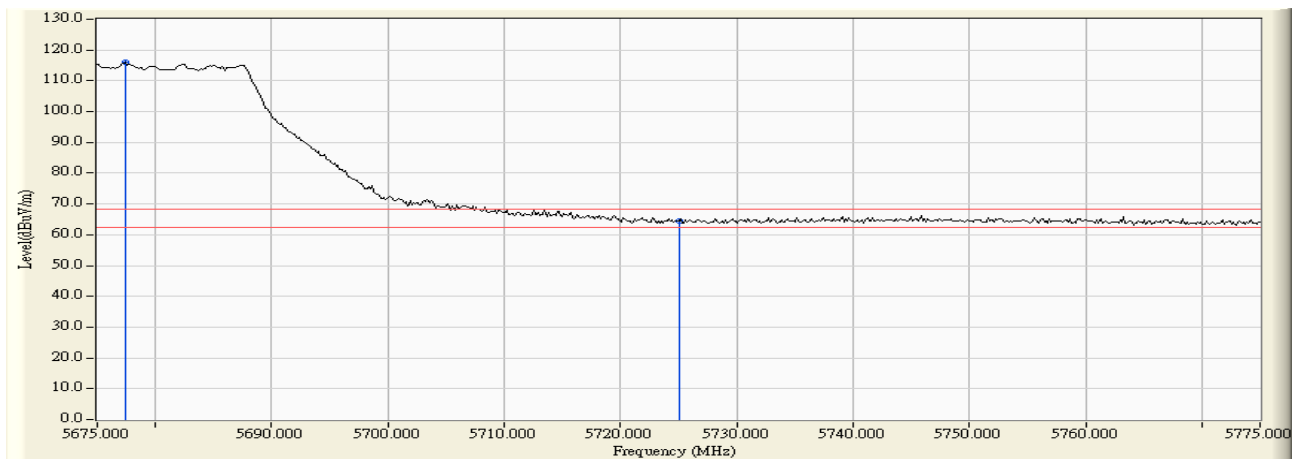


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5469.130	13.456	51.011	64.467	-3.753	68.220	Pass
Vertical	5470.000	13.462	48.749	62.211	-6.009	68.220	Pass
Vertical	5519.565	13.551	99.600	113.151	44.931	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 134 (Antenna No.2)

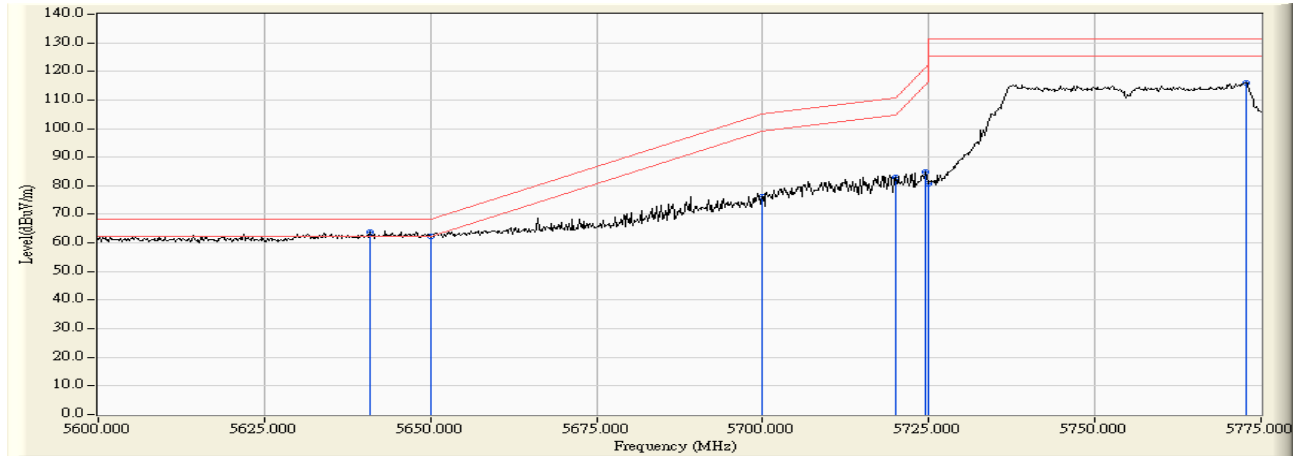
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5682.391	11.631	105.600	117.230	49.010	68.220	Pass
Horizontal	5725.000	11.592	51.054	62.646	-5.574	68.220	Pass

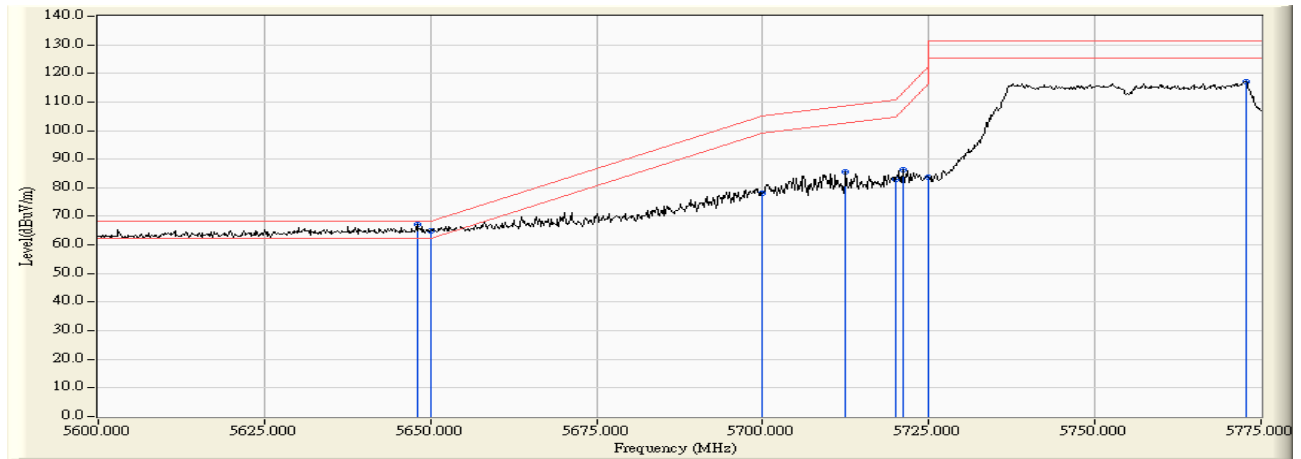


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5677.464	13.023	102.879	115.902	47.682	68.220	Pass
Vertical	5725.000	12.930	51.696	64.626	-3.594	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 151 (Antenna No.2)

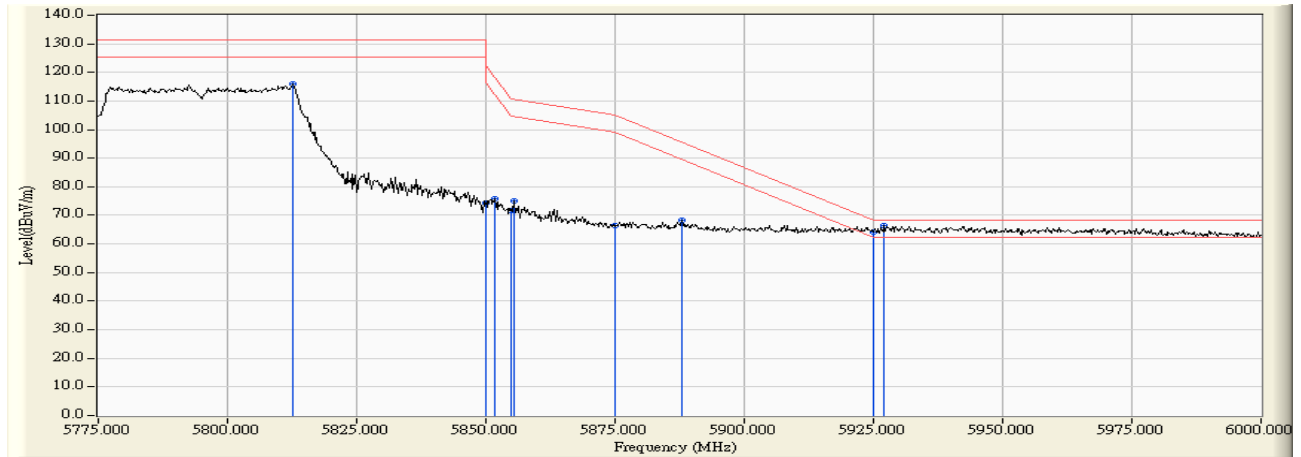
RF Radiated Measurement :


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5640.950	11.533	52.412	63.945	-4.275	68.220	Pass
Horizontal	5650.000	11.554	50.689	62.244	-5.976	68.220	Pass
Horizontal	5700.000	11.647	64.582	76.229	-28.971	105.200	Pass
Horizontal	5720.000	11.607	71.260	82.867	-27.933	110.800	Pass
Horizontal	5724.600	11.594	73.407	85.000	-36.288	121.288	Pass
Horizontal	5725.000	11.592	69.223	80.815	-41.385	122.200	Pass
Horizontal	5772.725	11.440	104.578	116.019	-15.181	131.200	Pass

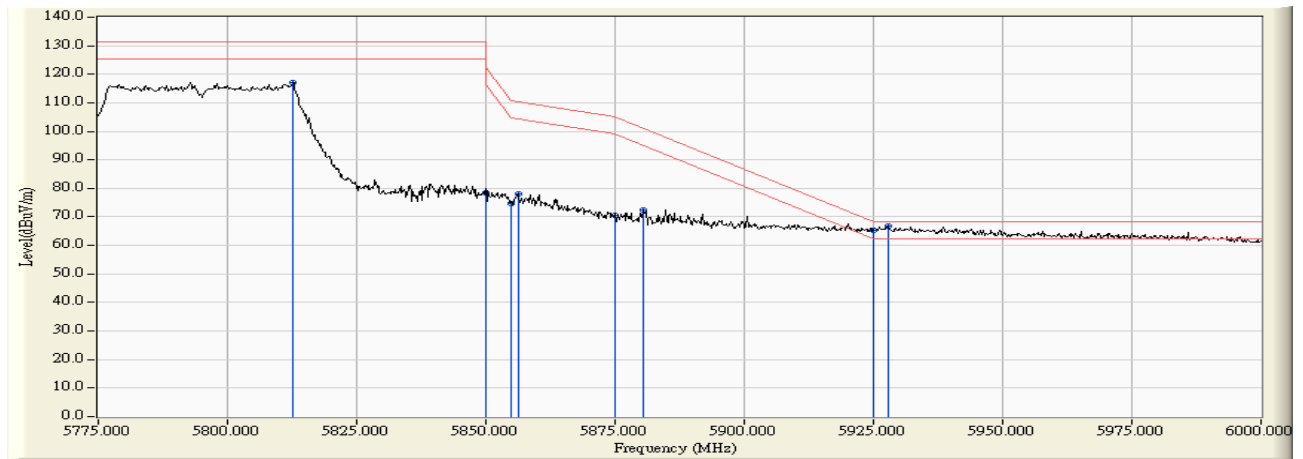


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5647.950	13.029	54.189	67.219	-1.001	68.220	Pass
Vertical	5650.000	13.029	51.993	65.022	-3.198	68.220	Pass
Vertical	5700.000	13.003	65.217	78.220	-26.980	105.200	Pass
Vertical	5712.525	12.973	72.778	85.751	-22.956	108.707	Pass
Vertical	5720.000	12.947	69.878	82.825	-27.975	110.800	Pass
Vertical	5721.100	12.943	73.459	86.403	-26.905	113.308	Pass
Vertical	5725.000	12.930	70.601	83.531	-38.669	122.200	Pass
Vertical	5772.725	12.763	104.520	117.283	-13.917	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 159 (Antenna No.2)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5812.575	11.443	104.493	115.936	-15.264	131.200	Pass
Horizontal	5850.000	11.701	62.705	74.406	-47.794	122.200	Pass
Horizontal	5851.725	11.712	64.241	75.954	-42.313	118.267	Pass
Horizontal	5855.000	11.735	59.859	71.594	-39.206	110.800	Pass
Horizontal	5855.325	11.737	63.186	74.923	-35.786	110.709	Pass
Horizontal	5875.000	11.873	54.404	66.277	-38.923	105.200	Pass
Horizontal	5887.950	11.965	56.524	68.488	-27.129	95.617	Pass
Horizontal	5925.000	12.068	52.223	64.292	-3.908	68.200	Pass
Horizontal	5927.100	12.071	54.459	66.530	-1.670	68.200	Pass

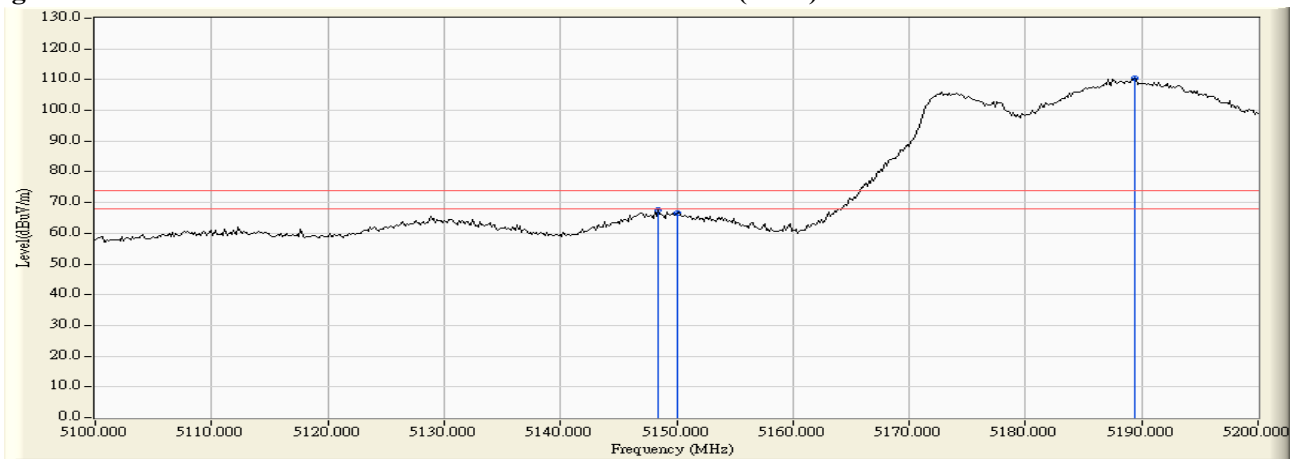
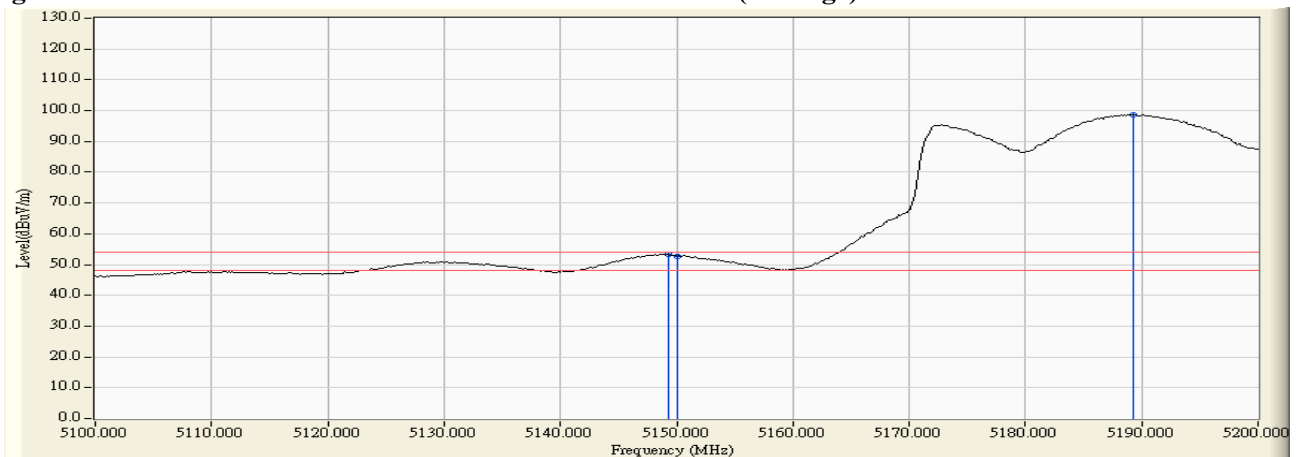


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5812.575	12.696	104.544	117.240	-13.960	131.200	Pass
Vertical	5850.000	12.774	65.668	78.442	-43.758	122.200	Pass
Vertical	5855.000	12.784	62.001	74.785	-36.015	110.800	Pass
Vertical	5856.225	12.787	65.438	78.225	-32.232	110.457	Pass
Vertical	5875.000	12.825	57.813	70.638	-34.562	105.200	Pass
Vertical	5880.525	12.838	59.442	72.279	-28.833	101.112	Pass
Vertical	5925.000	12.911	52.342	65.253	-2.947	68.200	Pass
Vertical	5927.775	12.915	53.708	66.623	-1.577	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 42 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
42 (Peak)	5148.406	10.475	57.184	67.659	74.00	54.00	Pass
42 (Peak)	5150.000	10.470	55.997	66.468	74.00	54.00	Pass
42 (Peak)	5189.420	10.368	99.941	110.309	--	--	--
42 (Average)	5149.275	10.473	42.920	53.393	74.00	54.00	Pass
42 (Average)	5150.000	10.470	42.250	52.721	74.00	54.00	Pass
42 (Average)	5189.275	10.369	88.214	98.583	--	--	--

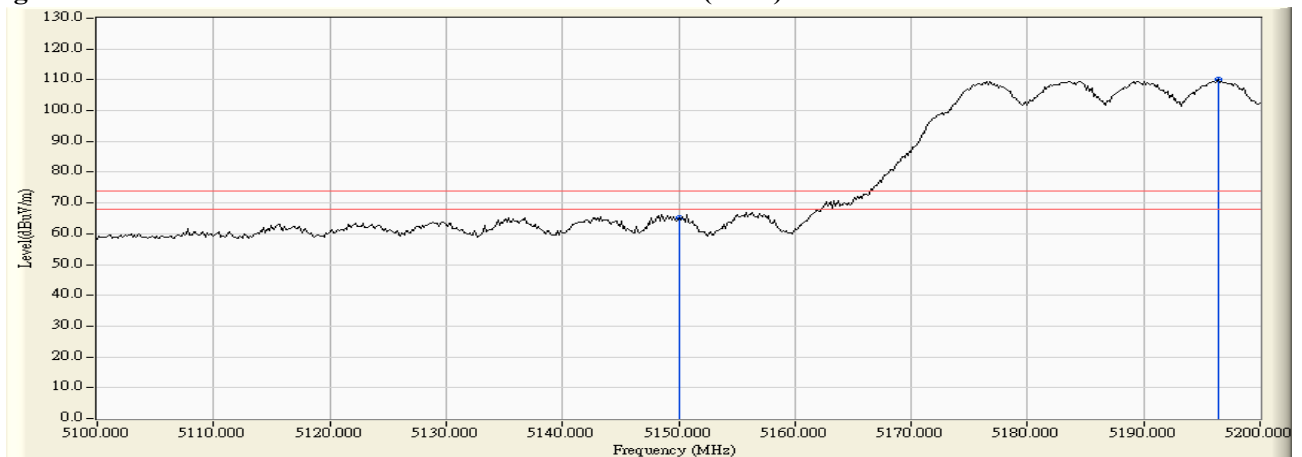
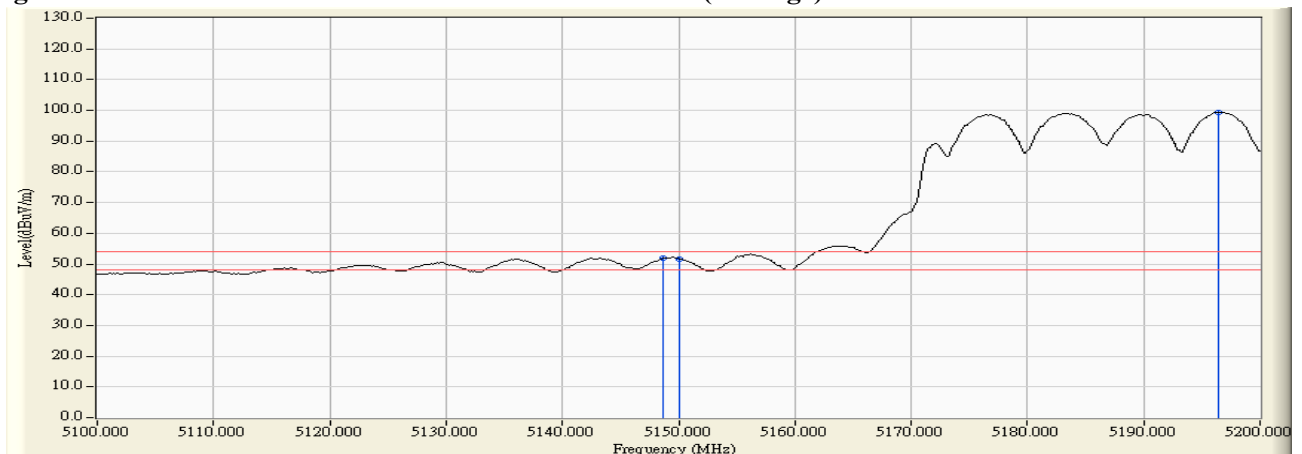
Figure Channel 42: Horizontal (Peak)

Figure Channel 42: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 42 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
42 (Peak)	5150.000	12.390	52.910	65.300	74.00	54.00	Pass
42 (Peak)	5196.377	12.554	97.461	110.016	--	--	--
42 (Average)	5148.696	12.385	39.406	51.791	74.00	54.00	Pass
42 (Average)	5150.000	12.390	39.246	51.636	74.00	54.00	Pass
42 (Average)	5196.377	12.554	86.760	99.315	--	--	--

Figure Channel 42: Vertical (Peak)**Figure Channel 42: Vertical (Average)**

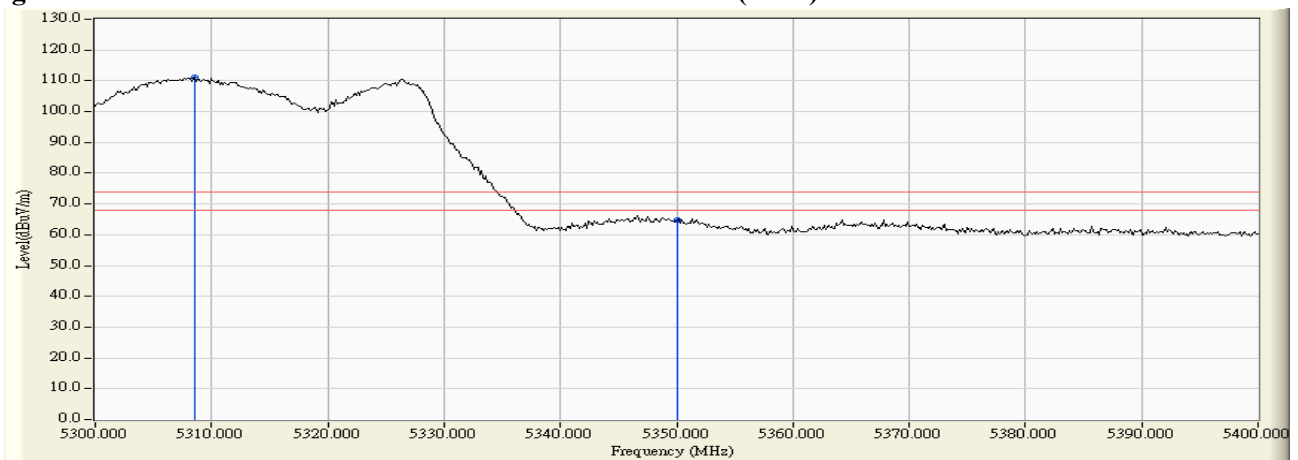
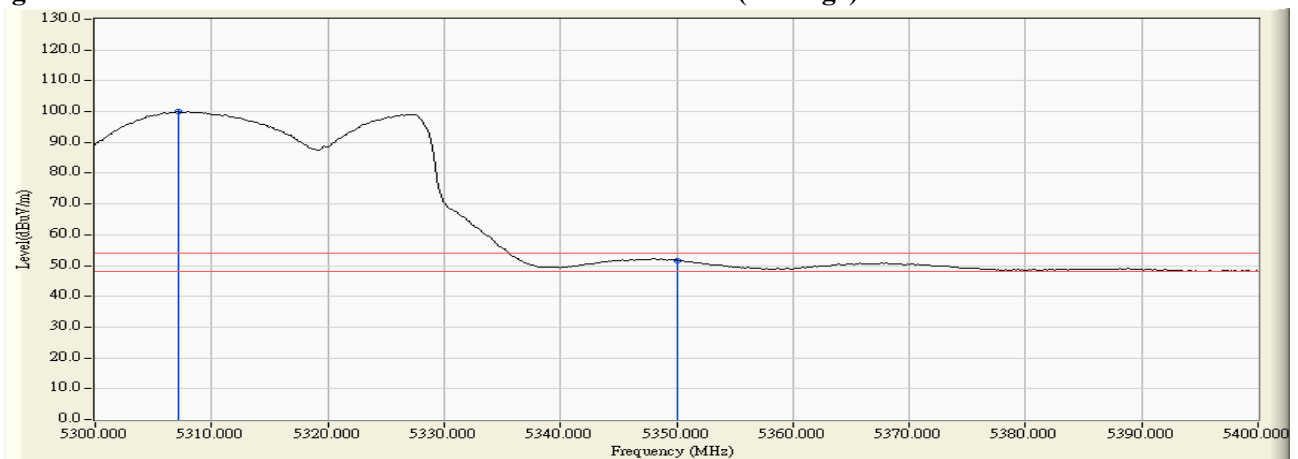
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 58 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
58 (Peak)	5308.551	11.130	99.976	111.106	--	--	--
58 (Peak)	5350.000	11.024	53.905	64.929	74.00	54.00	Pass
58 (Average)	5307.101	11.134	88.742	99.876	--	--	--
58 (Average)	5350.000	11.024	40.609	51.633	74.00	54.00	Pass

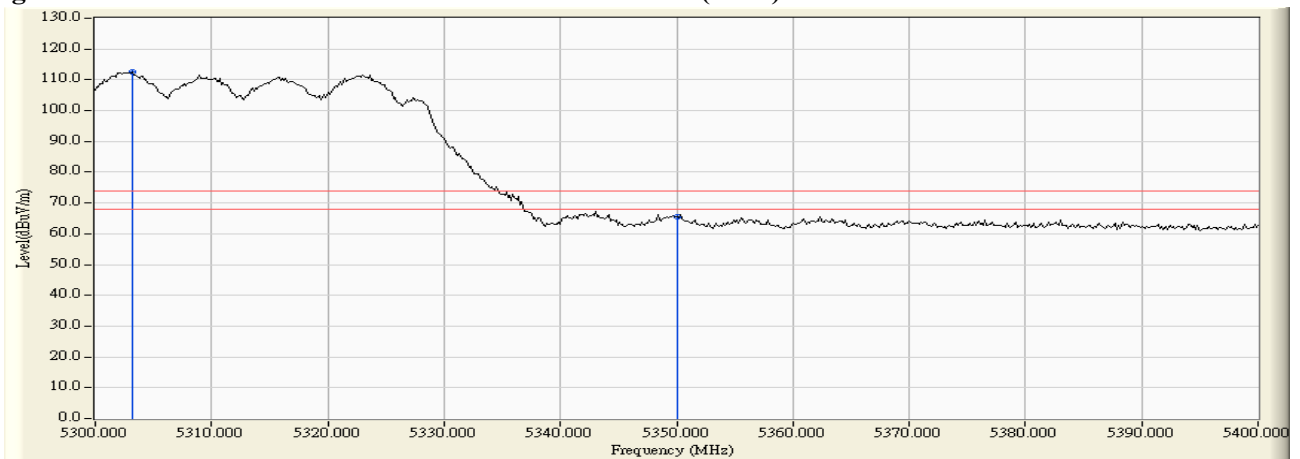
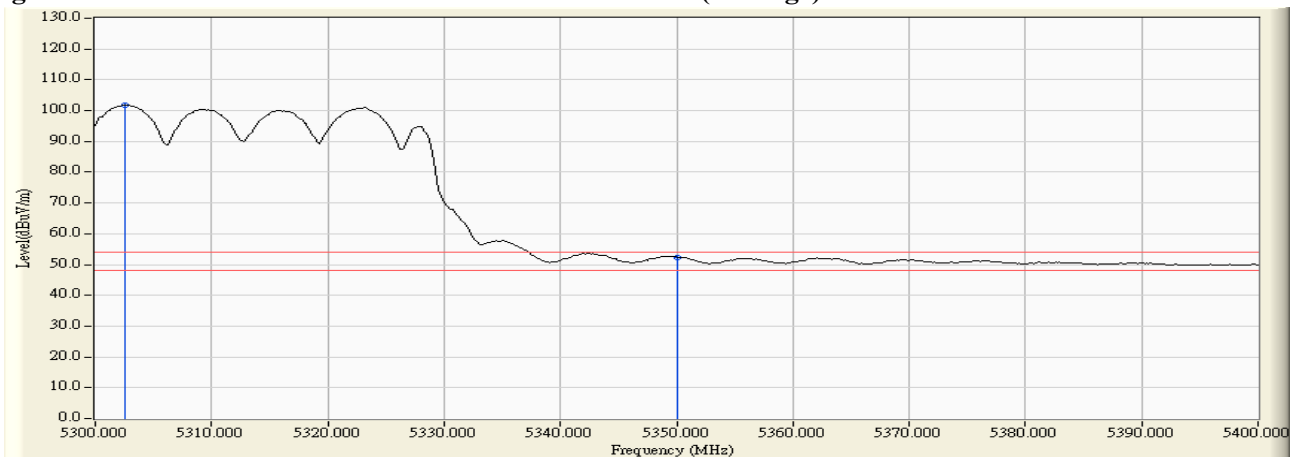
Figure Channel 58: Horizontal (Peak)

Figure Channel 58: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 58 (Antenna No.2)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
58 (Peak)	5303.188	13.028	99.387	112.415	--	--	--
58 (Peak)	5350.000	12.999	52.651	65.650	74.00	54.00	Pass
58 (Average)	5302.609	13.028	88.803	101.831	--	--	--
58 (Average)	5350.000	12.999	39.425	52.424	74.00	54.00	Pass

Figure Channel 58:**Vertical (Peak)****Figure Channel 58:****Vertical (Average)**

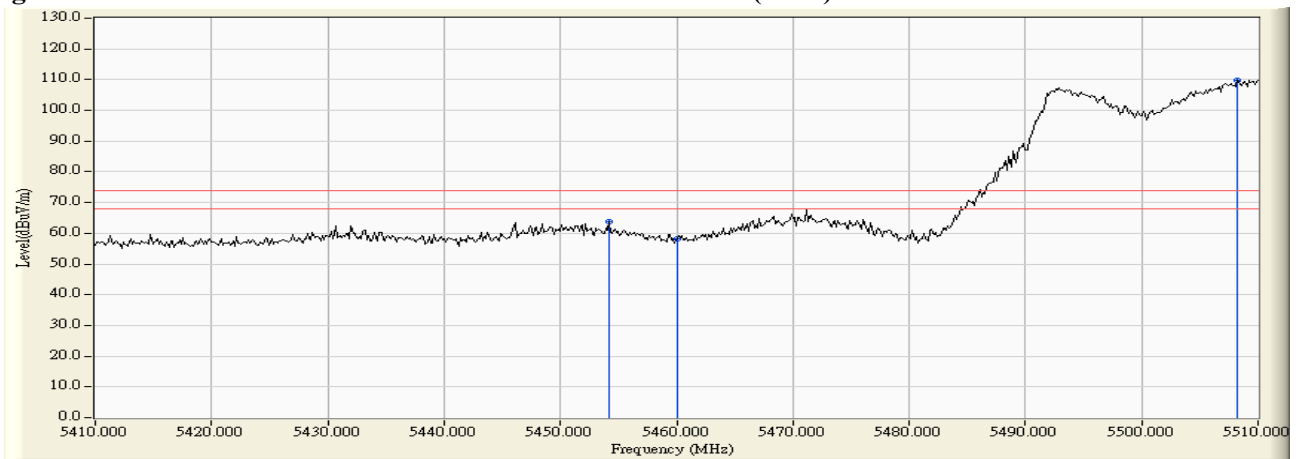
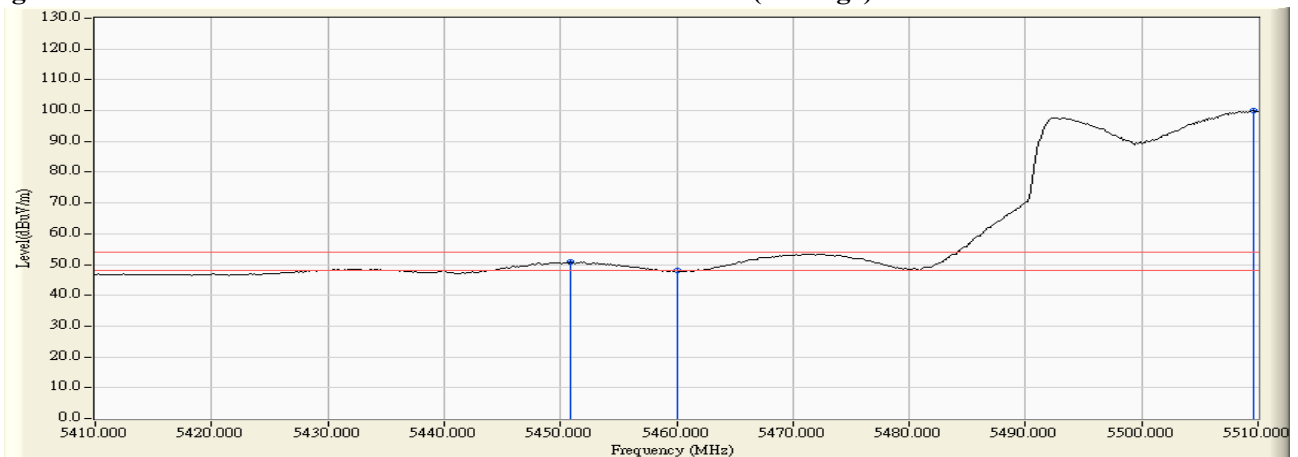
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 106 (Antenna No.2)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5454.203	11.625	52.276	63.900	74.00	54.00	Pass
106 (Peak)	5460.000	11.703	46.492	58.195	74.00	54.00	Pass
106 (Peak)	5508.261	12.177	97.587	109.764	--	--	--
106 (Average)	5450.870	11.580	39.316	50.896	74.00	54.00	Pass
106 (Average)	5460.000	11.703	36.243	47.946	74.00	54.00	Pass
106 (Average)	5509.565	12.167	87.736	99.903	--	--	--

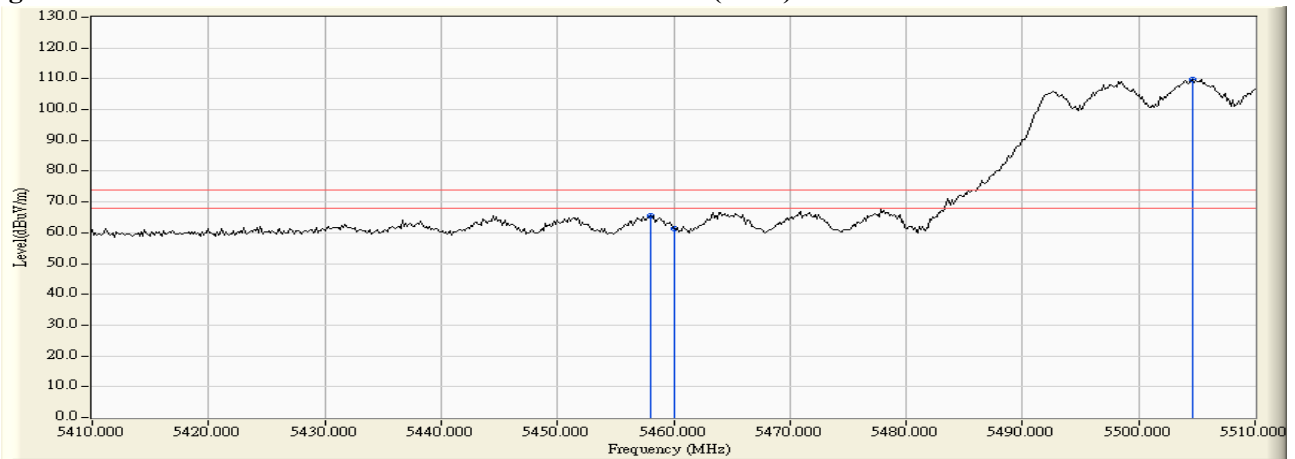
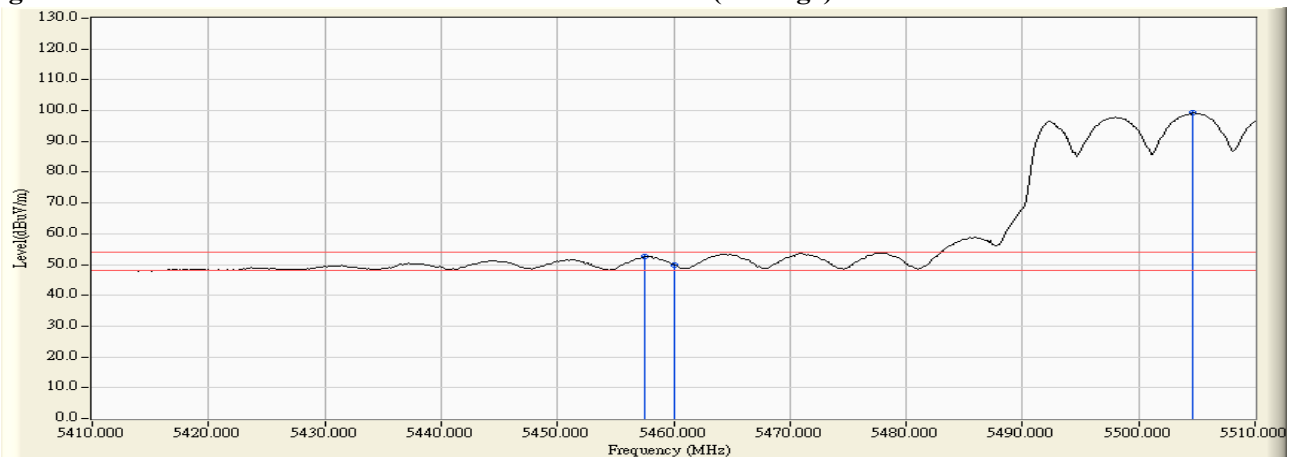
Figure Channel 106: Horizontal (Peak)

Figure Channel 106: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 106 (Antenna No.2)

RF Radiated Measurement (Vertical):

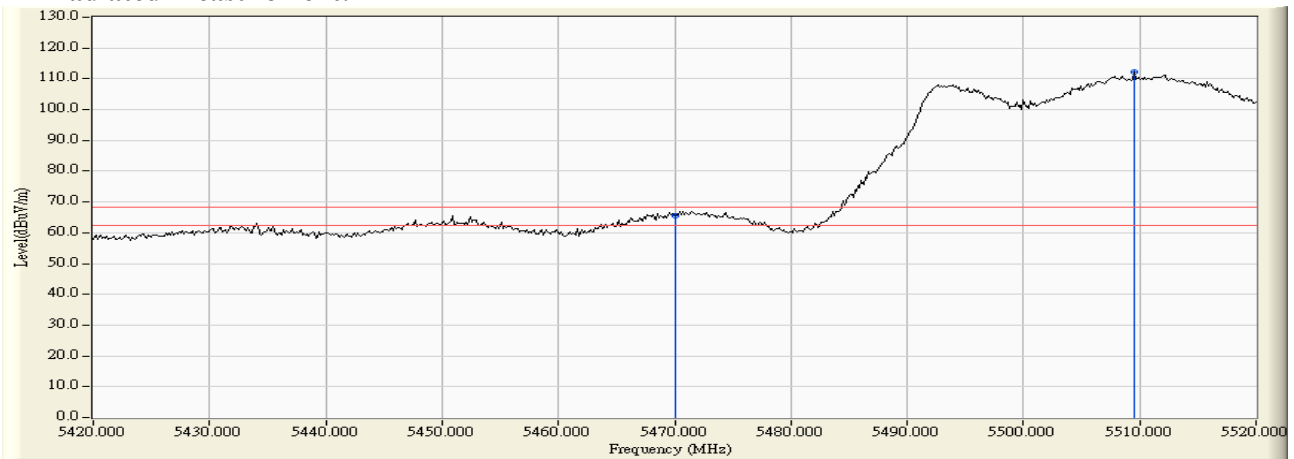
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5457.971	13.374	52.001	65.376	74.00	54.00	Pass
106 (Peak)	5460.000	13.390	48.051	61.441	74.00	54.00	Pass
106 (Peak)	5504.638	13.644	96.296	109.940	--	--	--
106 (Average)	5457.536	13.372	39.205	52.577	74.00	54.00	Pass
106 (Average)	5460.000	13.390	36.300	49.690	74.00	54.00	Pass
106 (Average)	5504.638	13.644	85.635	99.279	--	--	--

Figure Channel 106:**Vertical (Peak)****Figure Channel 106:****Vertical (Average)**

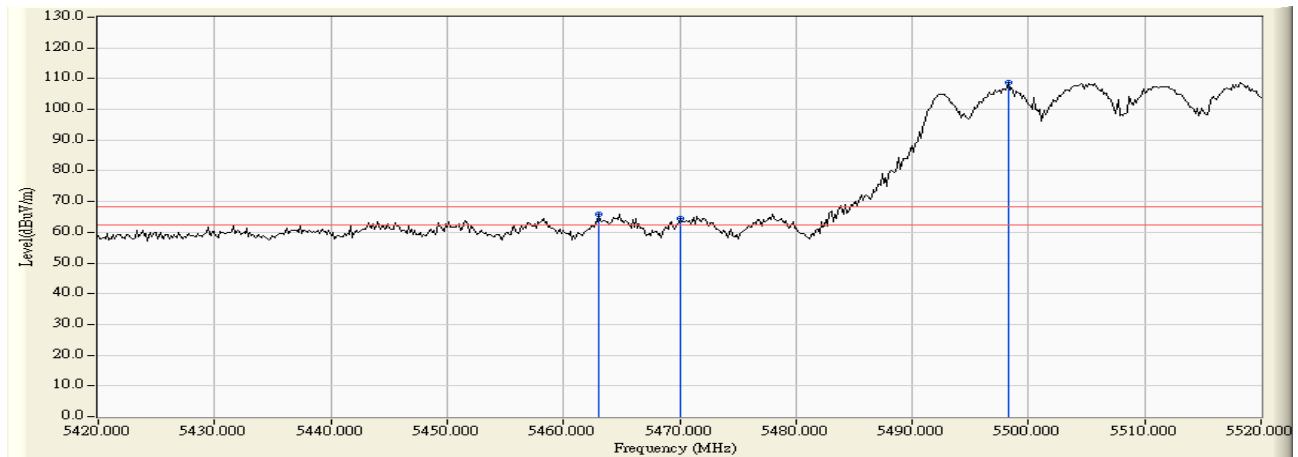
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 106 (Antenna No.2)

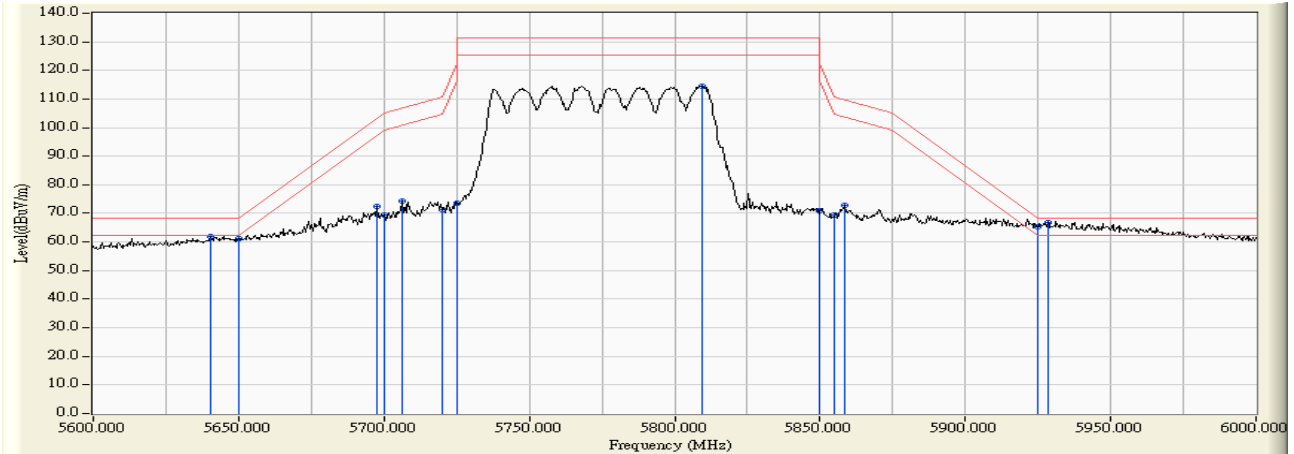
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5470.000	11.838	53.557	65.395	-2.825	68.220	Pass
Horizontal	5509.565	12.167	100.188	112.355	44.135	68.220	Pass

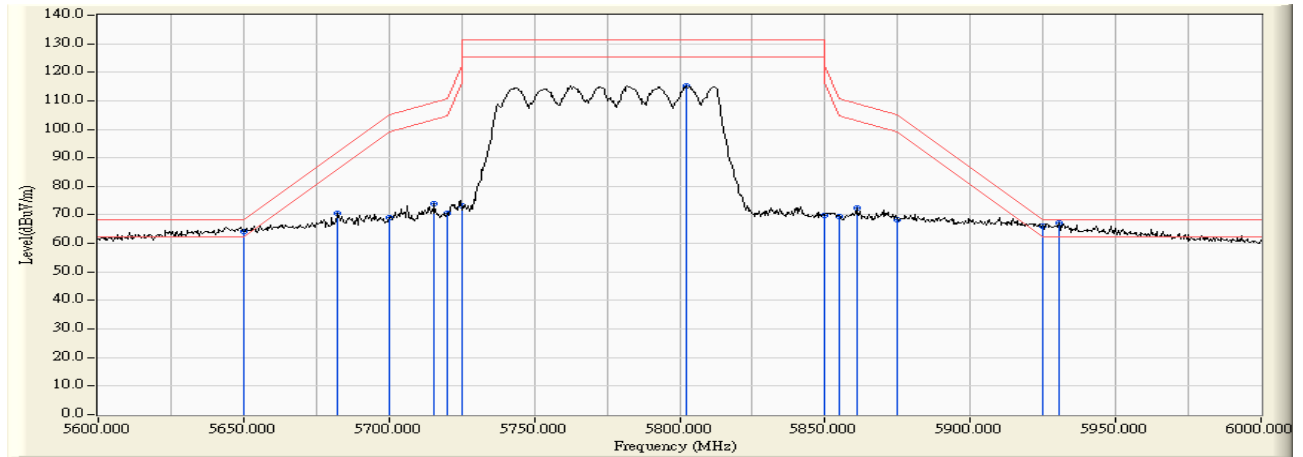


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5463.043	13.412	52.510	65.922	-2.298	68.220	Pass
Vertical	5470.000	13.462	50.878	64.340	-3.880	68.220	Pass
Vertical	5498.261	13.623	95.032	108.656	40.436	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/21
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps)-Channel 155 (Antenna No.2)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5640.400	11.531	50.221	61.753	-6.467	68.220	Pass
Horizontal	5650.000	11.554	49.564	61.119	-7.101	68.220	Pass
Horizontal	5697.600	11.648	60.700	72.349	-31.076	103.425	Pass
Horizontal	5700.000	11.647	57.717	69.364	-35.836	105.200	Pass
Horizontal	5706.400	11.643	62.758	74.401	-32.591	106.992	Pass
Horizontal	5720.000	11.607	59.714	71.321	-39.479	110.800	Pass
Horizontal	5725.000	11.592	61.839	73.431	-48.769	122.200	Pass
Horizontal	5809.200	11.425	103.149	114.574	-16.626	131.200	Pass
Horizontal	5850.000	11.701	59.298	70.999	-51.201	122.200	Pass
Horizontal	5855.000	11.735	57.549	69.284	-41.516	110.800	Pass
Horizontal	5858.400	11.758	60.940	72.699	-37.149	109.848	Pass
Horizontal	5925.000	12.068	53.153	65.222	-2.978	68.200	Pass
Horizontal	5928.400	12.071	54.819	66.891	-1.309	68.200	Pass

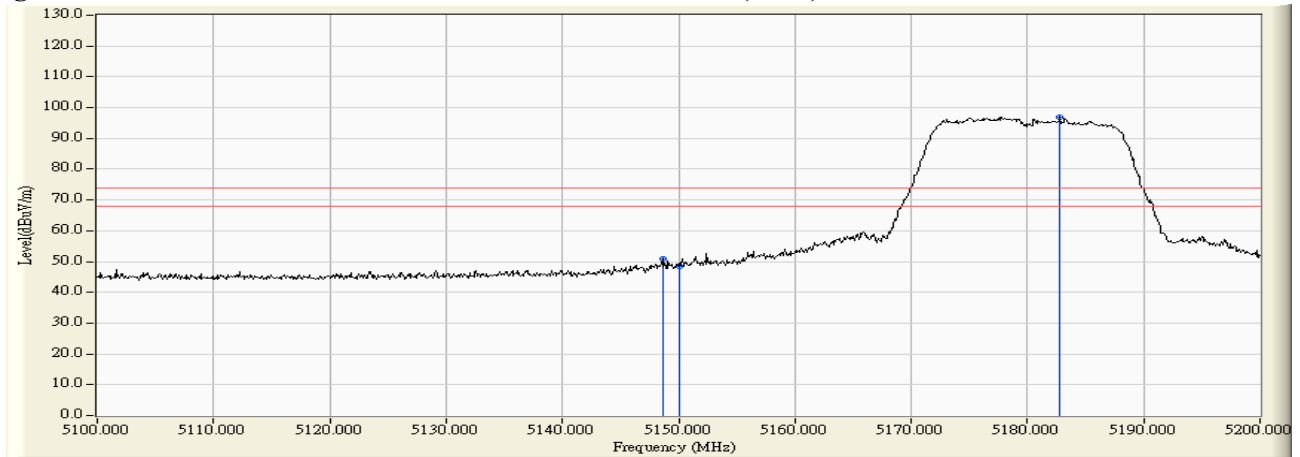
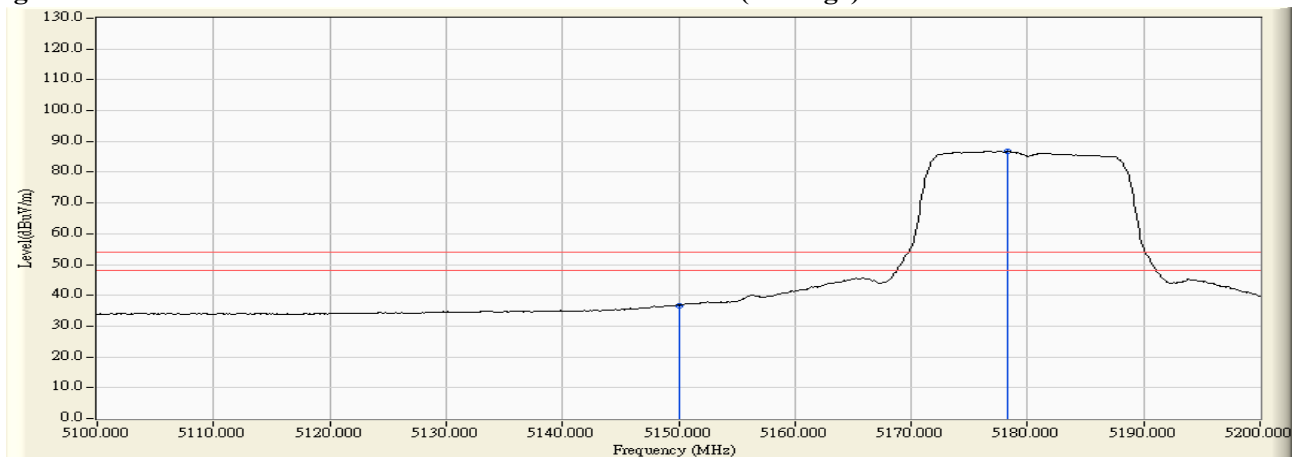


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5650.000	13.029	51.287	64.316	-3.904	68.220	Pass
Vertical	5682.400	13.022	57.566	70.587	-21.596	92.183	Pass
Vertical	5700.000	13.003	56.195	69.198	-36.002	105.200	Pass
Vertical	5715.600	12.962	61.140	74.102	-35.466	109.568	Pass
Vertical	5720.000	12.947	57.640	70.587	-40.213	110.800	Pass
Vertical	5725.000	12.930	60.127	73.057	-49.143	122.200	Pass
Vertical	5802.400	12.686	102.591	115.277	-15.923	131.200	Pass
Vertical	5850.000	12.774	57.176	69.950	-52.250	122.200	Pass
Vertical	5855.000	12.784	56.832	69.616	-41.184	110.800	Pass
Vertical	5860.800	12.796	59.681	72.477	-36.699	109.176	Pass
Vertical	5875.000	12.825	55.658	68.483	-36.717	105.200	Pass
Vertical	5925.000	12.911	53.286	66.197	-2.003	68.200	Pass
Vertical	5930.400	12.919	54.228	67.147	-1.053	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5148.600	10.474	40.341	50.815	74.00	54.00	Pass
36 (Peak)	5150.000	10.470	38.070	48.541	74.00	54.00	Pass
36 (Peak)	5182.800	10.386	86.677	97.063	--	--	--
36 (Average)	5150.000	10.470	26.277	36.748	74.00	54.00	Pass
36 (Average)	5178.300	10.398	76.328	86.726	--	--	--

Figure Channel 36: Horizontal (Peak)

Figure Channel 36: Horizontal (Average)


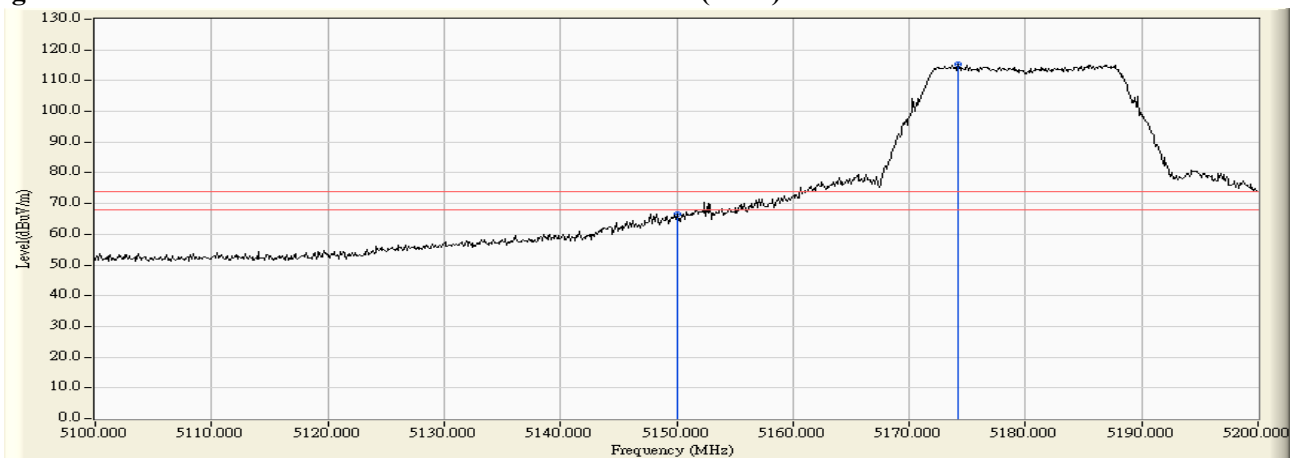
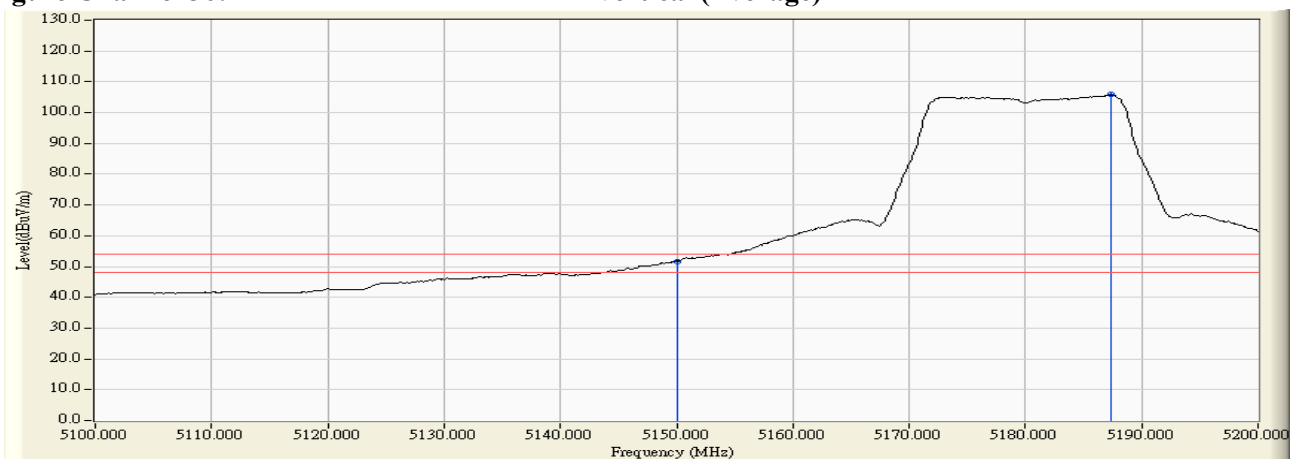
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5150.000	12.390	54.230	66.620	74.00	54.00	Pass
36 (Peak)	5174.200	12.481	103.010	115.490	--	--	--
36 (Average)	5150.000	12.390	39.365	51.755	74.00	54.00	Pass
36 (Average)	5187.300	12.528	93.253	105.782	--	--	--

Figure Channel 36:**Vertical (Peak)****Figure Channel 36:****Vertical (Average)**

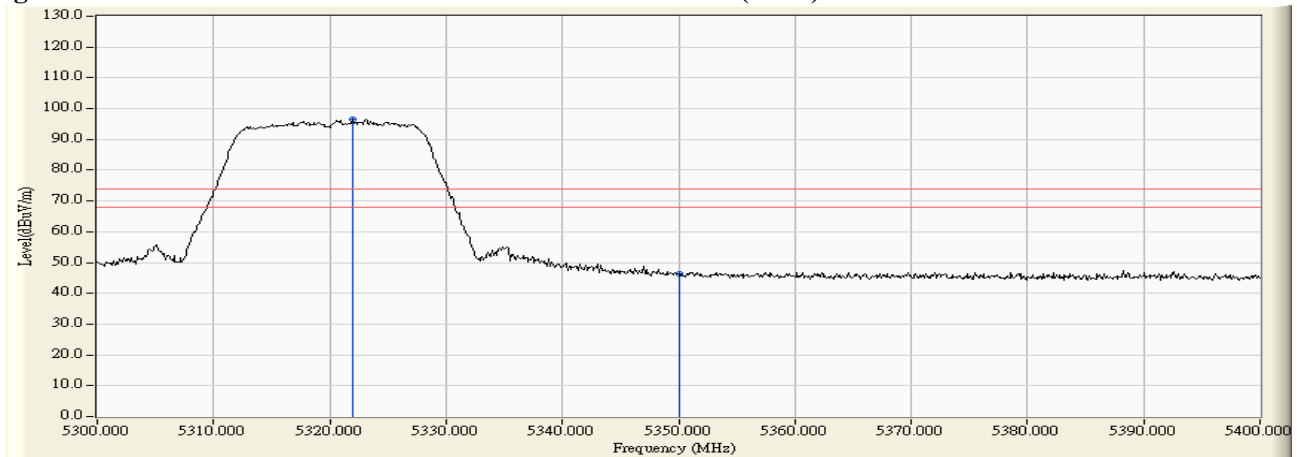
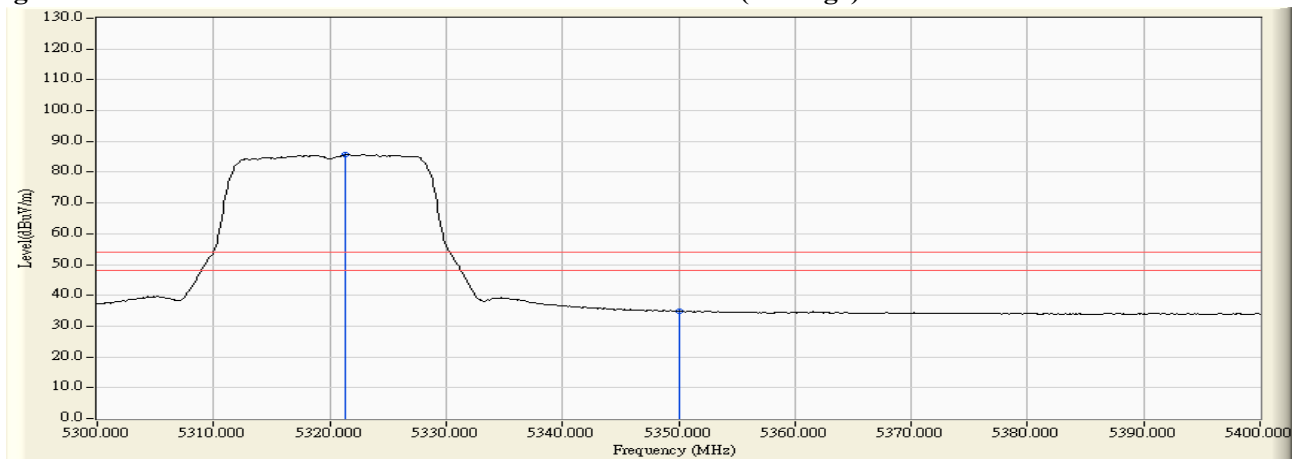
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5322.000	11.096	85.436	96.532	--	--	--
64 (Peak)	5350.000	11.024	35.202	46.226	74.00	54.00	Pass
64 (Average)	5321.300	11.098	74.624	85.722	--	--	--
64 (Average)	5350.000	11.024	23.892	34.916	74.00	54.00	Pass

Figure Channel 64: Horizontal (Peak)**Figure Channel 64: Horizontal (Average)**

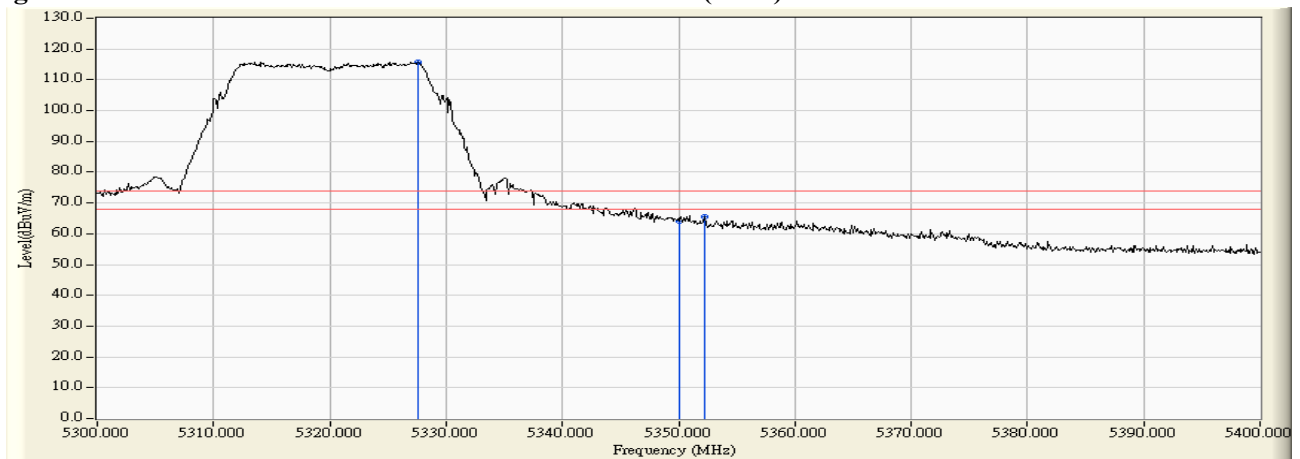
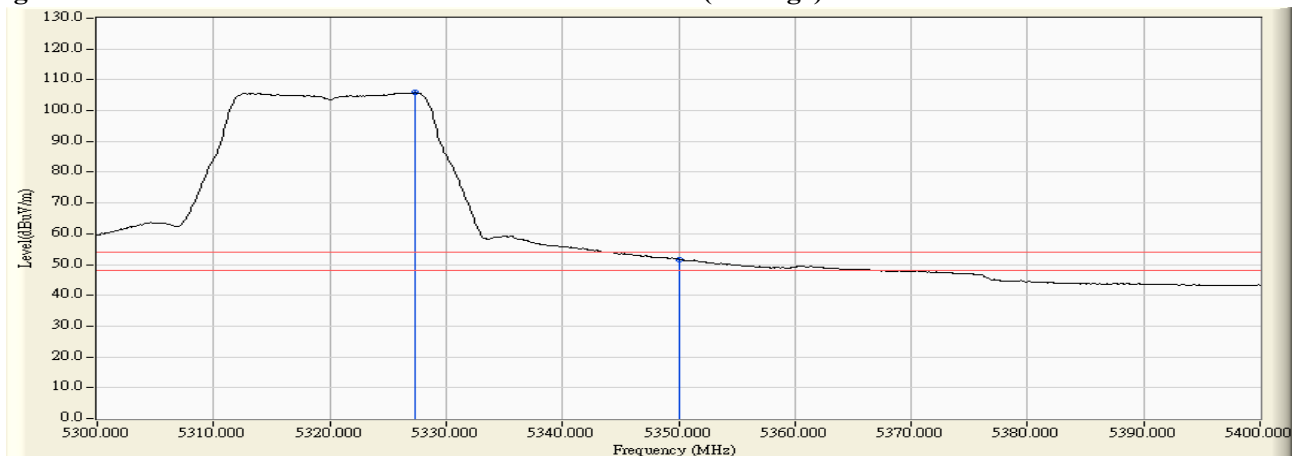
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5327.600	13.013	102.654	115.667	--	--	--
64 (Peak)	5350.000	12.999	51.301	64.300	74.00	54.00	Pass
64 (Peak)	5352.200	12.998	52.620	65.618	74.00	54.00	Pass
64 (Average)	5327.300	13.013	92.883	105.896	--	--	--
64 (Average)	5350.000	12.999	38.687	51.686	74.00	54.00	Pass

Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)**

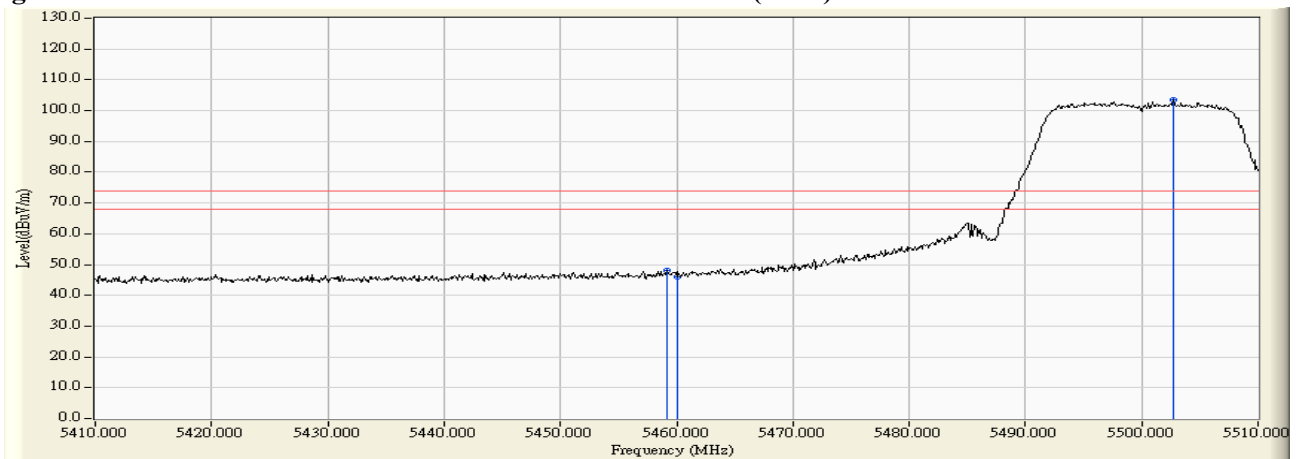
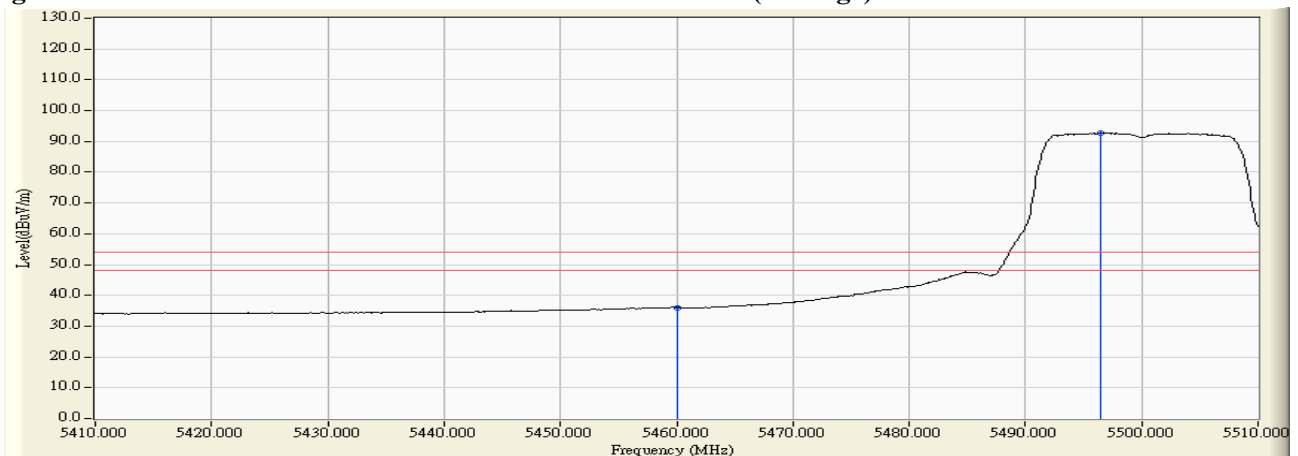
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5459.200	11.692	36.255	47.947	74.00	54.00	Pass
100 (Peak)	5460.000	11.703	34.423	46.126	74.00	54.00	Pass
100 (Peak)	5502.700	12.188	91.431	103.619	--	--	--
100 (Average)	5460.000	11.703	24.321	36.024	74.00	54.00	Pass
100 (Average)	5496.500	12.143	80.574	92.718	--	--	--

Figure Channel 100:**Horizontal (Peak)****Figure Channel 100:****Horizontal (Average)**

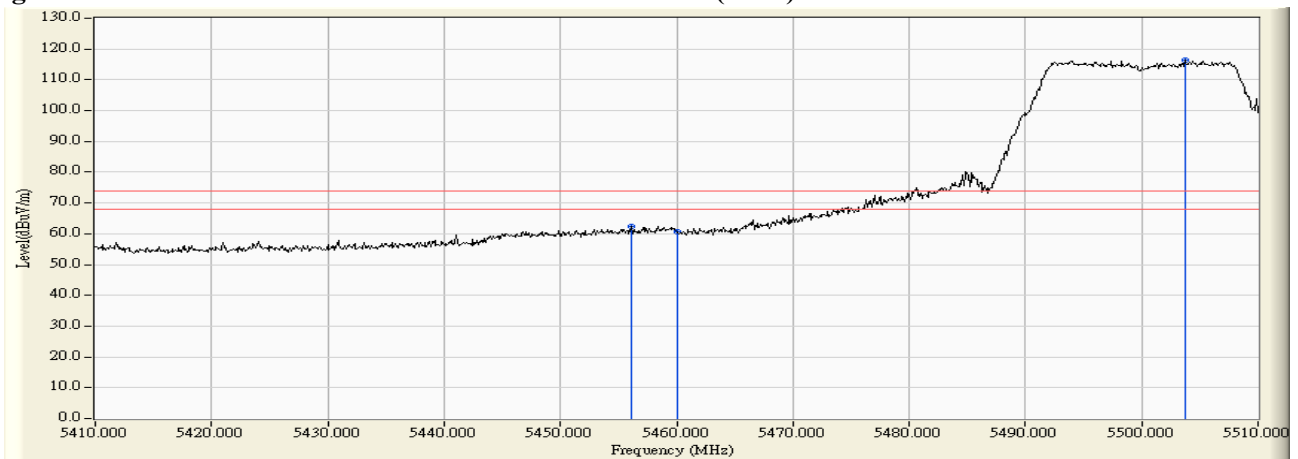
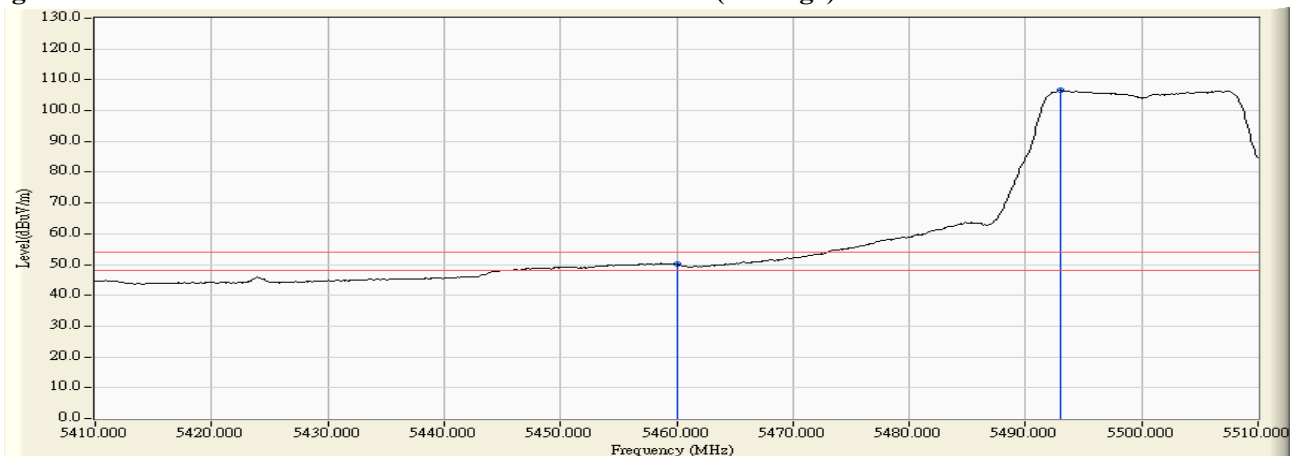
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.8)

RF Radiated Measurement (Vertical):

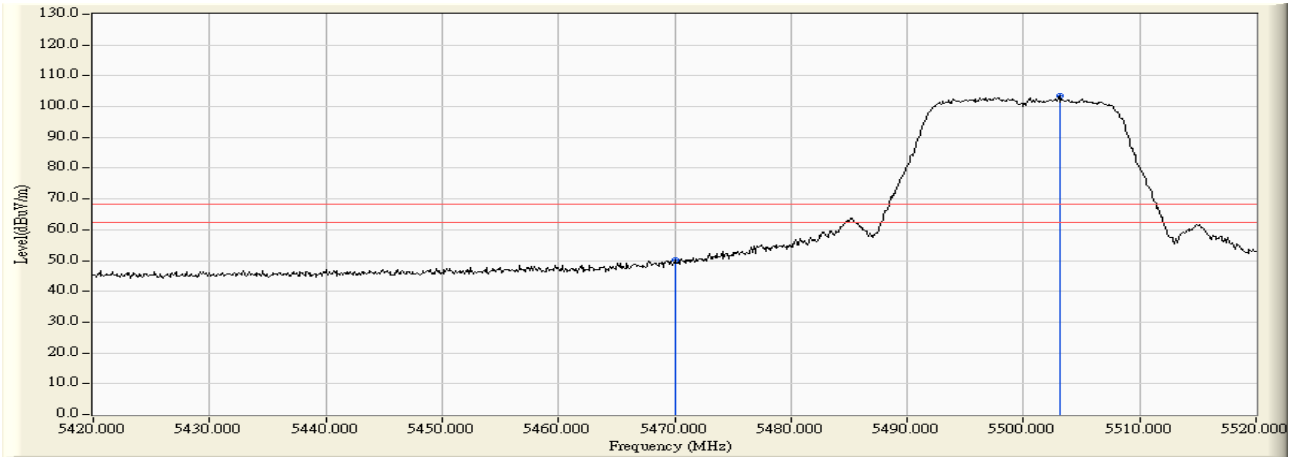
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5456.100	13.361	49.099	62.461	74.00	54.00	Pass
100 (Peak)	5460.000	13.390	47.250	60.640	74.00	54.00	Pass
100 (Peak)	5503.700	13.641	102.594	116.235	--	--	--
100 (Average)	5460.000	13.390	36.642	50.032	74.00	54.00	Pass
100 (Average)	5493.000	13.606	92.891	106.498	--	--	--

Figure Channel 100: Vertical (Peak)**Figure Channel 100: Vertical (Average)**

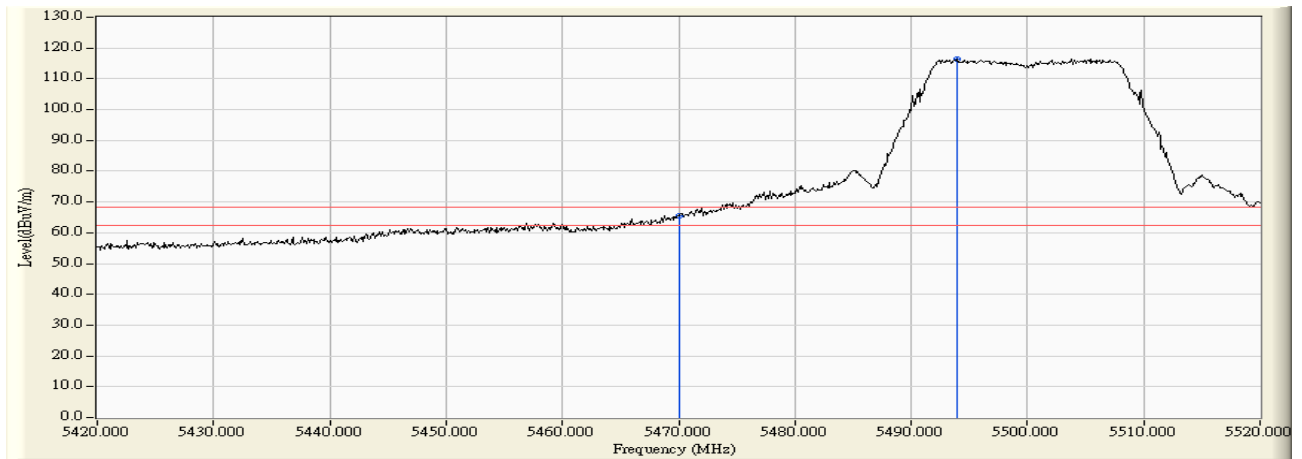
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.8)

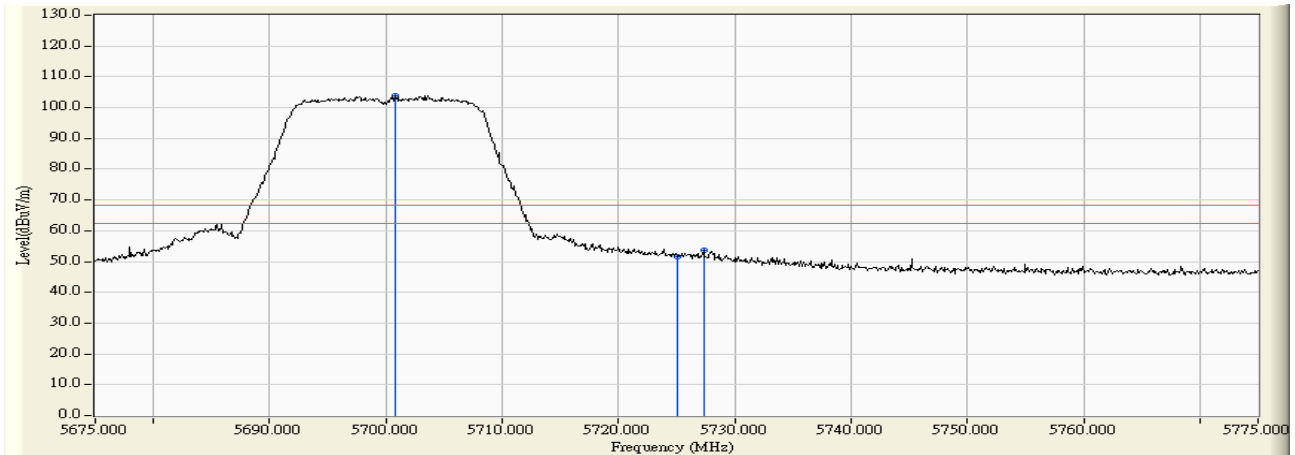
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5470.000	11.838	38.229	50.067	-18.153	68.220	Pass
Horizontal	5503.100	12.191	91.166	103.357	35.137	68.220	Pass

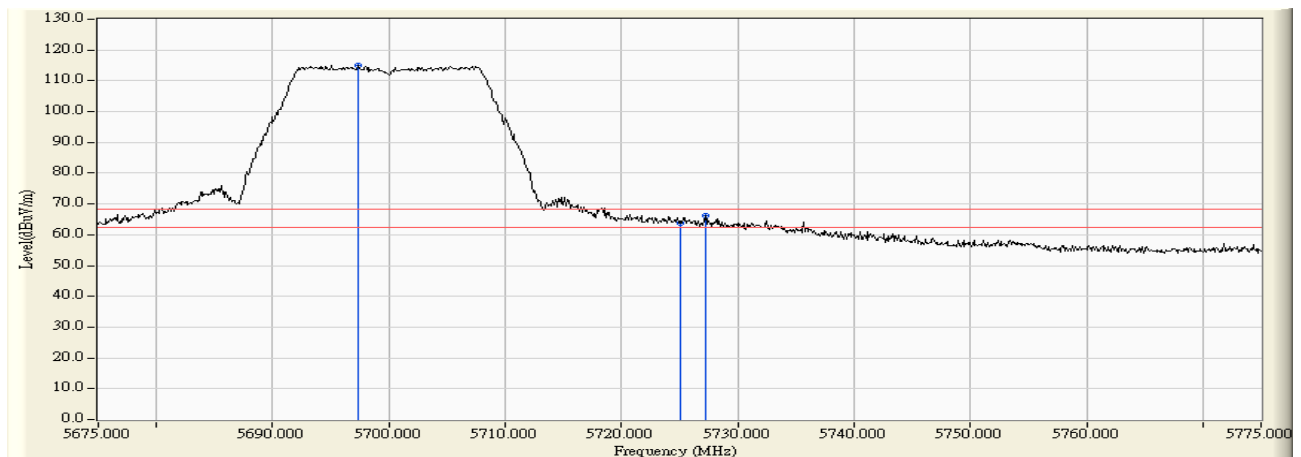


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5470.000	13.462	52.219	65.681	-2.539	68.220	Pass
Vertical	5494.000	13.610	102.720	116.330	48.110	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140 (Antenna No.8)

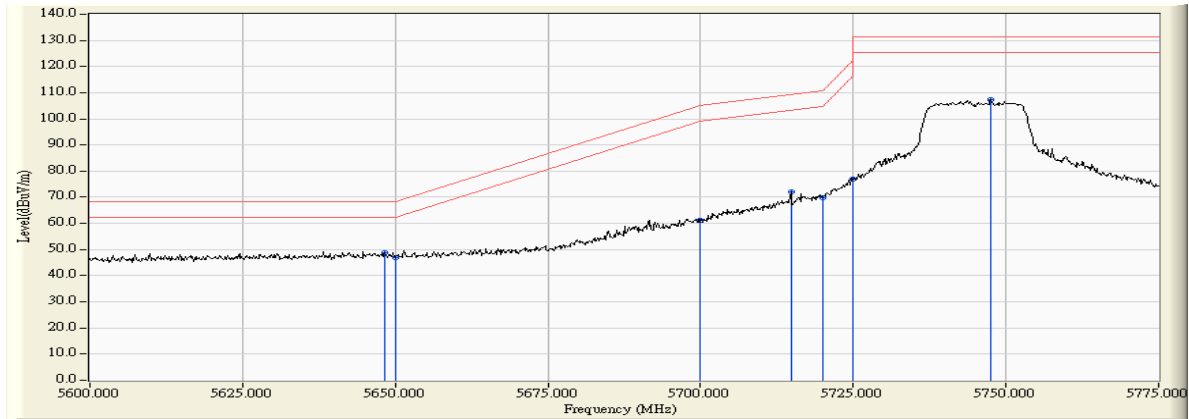
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5700.800	11.647	92.123	103.770	35.550	68.220	Pass
Horizontal	5725.000	11.592	40.159	51.751	-16.469	68.220	Pass
Horizontal	5727.300	11.585	41.915	53.500	-14.720	68.220	Pass

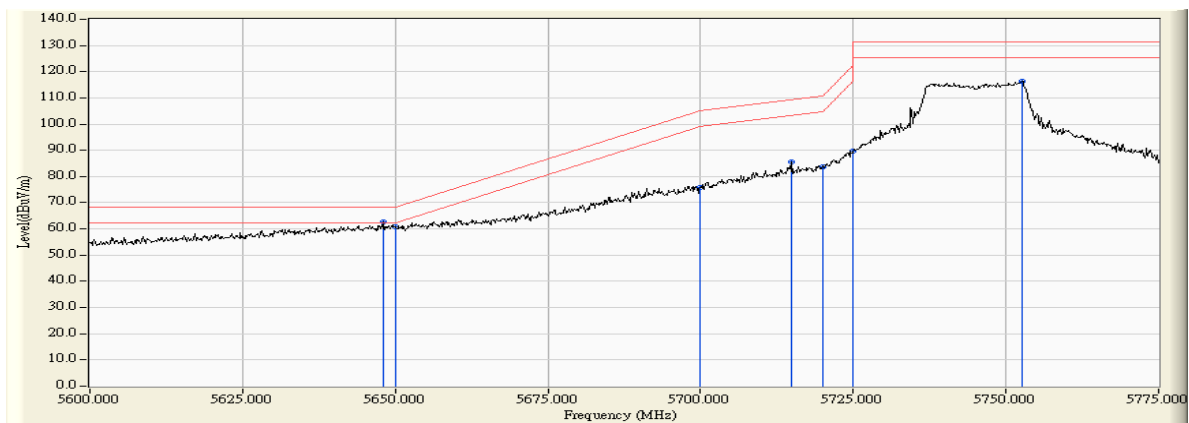


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5697.400	13.008	102.003	115.011	46.791	68.220	Pass
Vertical	5725.000	12.930	50.986	63.916	-4.304	68.220	Pass
Vertical	5727.200	12.922	53.333	66.256	-1.964	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 149 (Antenna No.8)

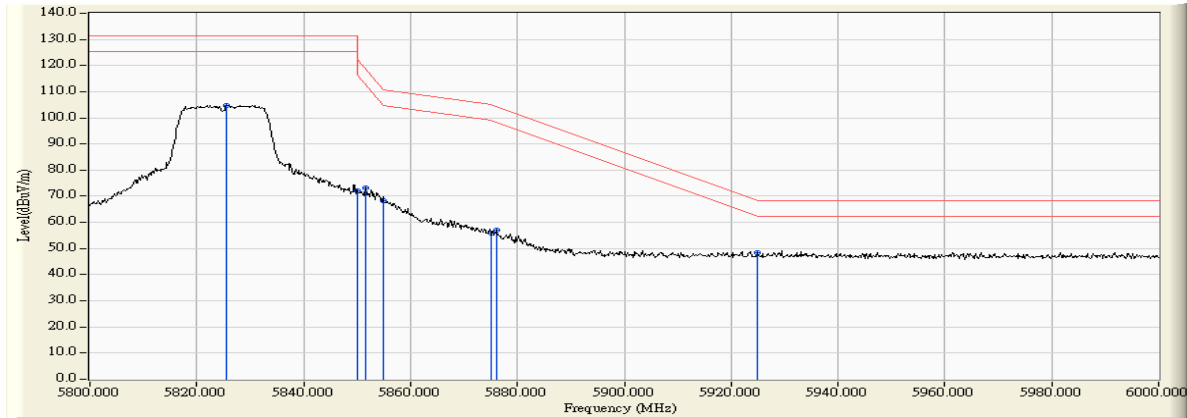
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5648.300	11.550	37.317	48.868	-19.352	68.220	Pass
Horizontal	5650.000	11.554	35.377	46.932	-21.288	68.220	Pass
Horizontal	5700.000	11.647	49.481	61.128	-44.072	105.200	Pass
Horizontal	5714.800	11.623	60.319	71.942	-37.402	109.344	Pass
Horizontal	5720.000	11.607	58.368	69.975	-40.825	110.800	Pass
Horizontal	5725.000	11.592	65.384	76.976	-45.224	122.200	Pass
Horizontal	5747.525	11.520	96.009	107.529	-23.671	131.200	Pass

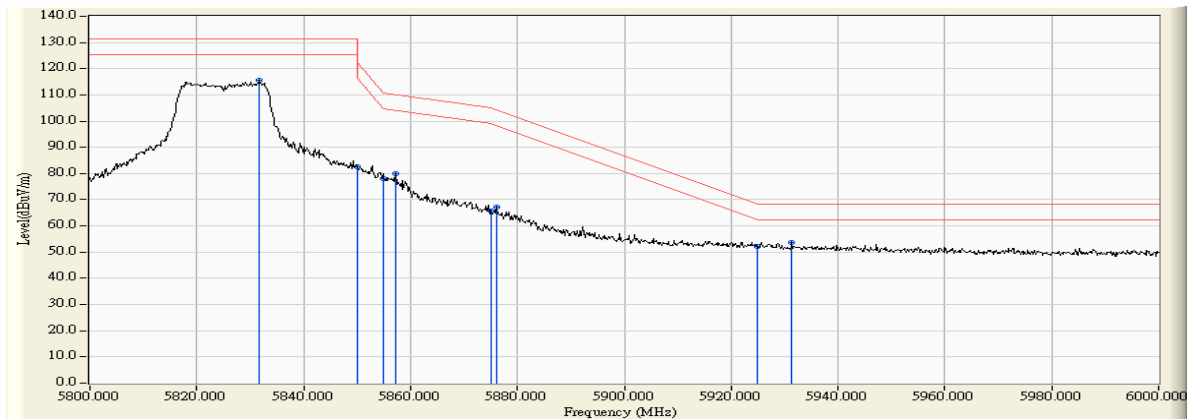


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5648.125	13.030	49.776	62.806	-5.414	68.220	Pass
Vertical	5650.000	13.029	47.803	60.832	-7.388	68.220	Pass
Vertical	5700.000	13.003	62.712	75.715	-29.485	105.200	Pass
Vertical	5714.975	12.965	72.429	85.393	-24.000	109.393	Pass
Vertical	5720.000	12.947	70.777	83.724	-27.076	110.800	Pass
Vertical	5725.000	12.930	76.618	89.548	-32.652	122.200	Pass
Vertical	5752.600	12.833	103.459	116.292	-14.908	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 165 (Antenna No.8)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5825.600	11.532	93.294	104.826	-26.374	131.200	Pass
Horizontal	5850.000	11.701	60.198	71.899	-50.301	122.200	Pass
Horizontal	5851.600	11.711	61.491	73.203	-45.349	118.552	Pass
Horizontal	5855.000	11.735	56.592	68.327	-42.473	110.800	Pass
Horizontal	5875.000	11.873	43.994	55.867	-49.333	105.200	Pass
Horizontal	5876.000	11.880	45.199	57.079	-47.381	104.460	Pass
Horizontal	5925.000	12.068	36.348	48.417	-19.783	68.200	Pass

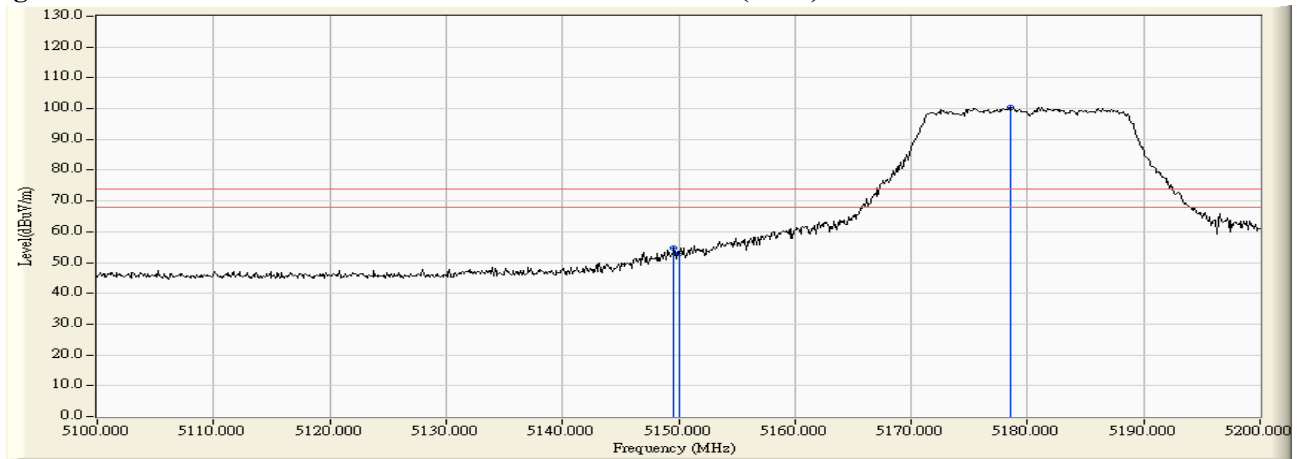
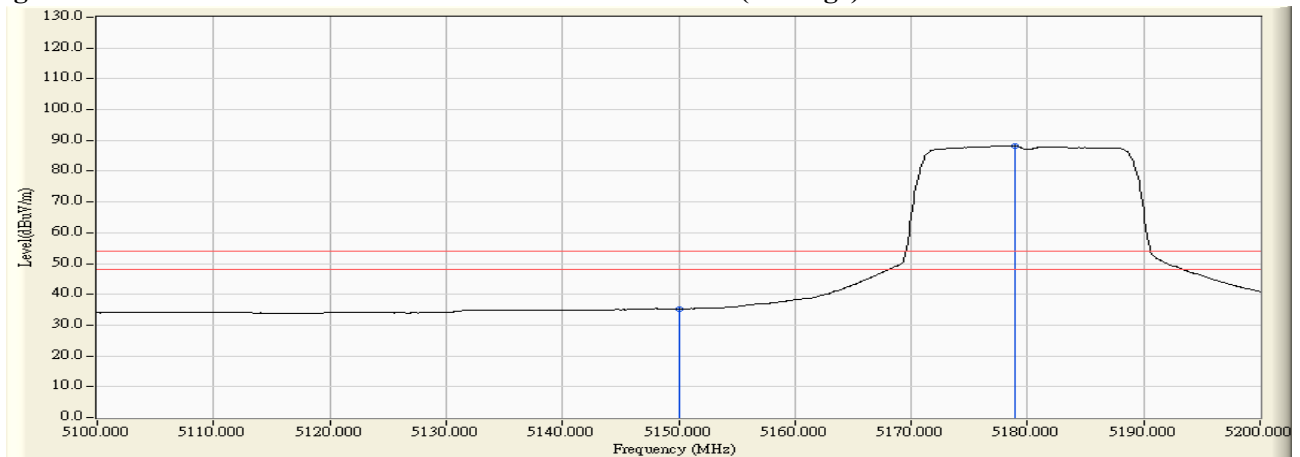


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5831.800	12.736	102.758	115.493	-15.707	131.200	Pass
Vertical	5850.000	12.774	69.969	82.743	-39.457	122.200	Pass
Vertical	5855.000	12.784	65.237	78.021	-32.779	110.800	Pass
Vertical	5857.200	12.789	67.073	79.862	-30.322	110.184	Pass
Vertical	5875.000	12.825	52.802	65.627	-39.573	105.200	Pass
Vertical	5876.000	12.828	54.194	67.022	-37.438	104.460	Pass
Vertical	5925.000	12.911	39.133	52.044	-16.156	68.200	Pass
Vertical	5931.400	12.920	40.614	53.534	-14.666	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 36 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5149.600	10.472	44.158	54.630	74.00	54.00	Pass
36 (Peak)	5150.000	10.470	42.629	53.100	74.00	54.00	Pass
36 (Peak)	5178.500	10.398	89.914	100.312	--	--	--
36 (Average)	5150.000	10.470	24.765	35.236	74.00	54.00	Pass
36 (Average)	5178.900	10.396	77.792	88.189	--	--	--

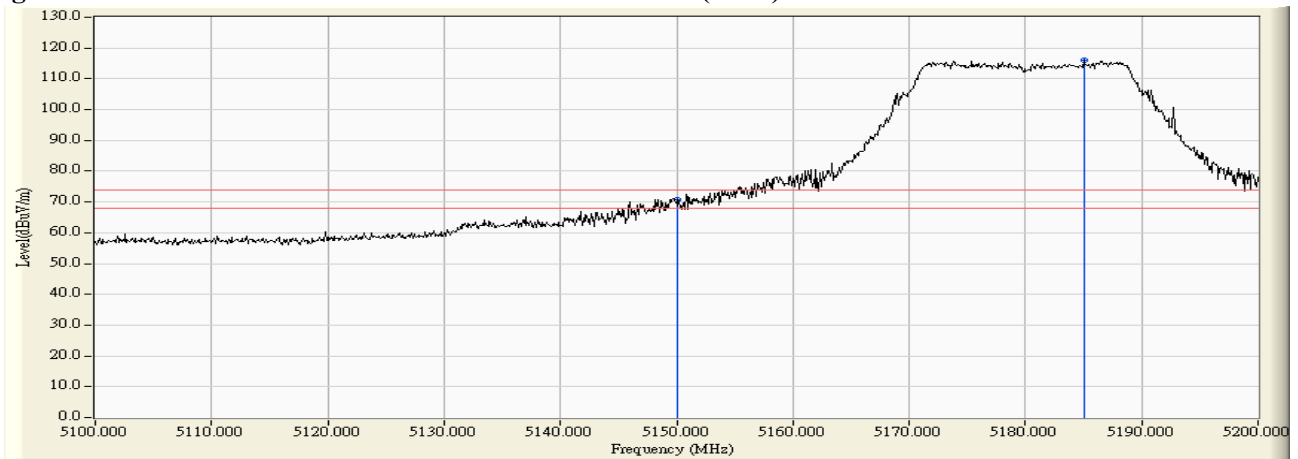
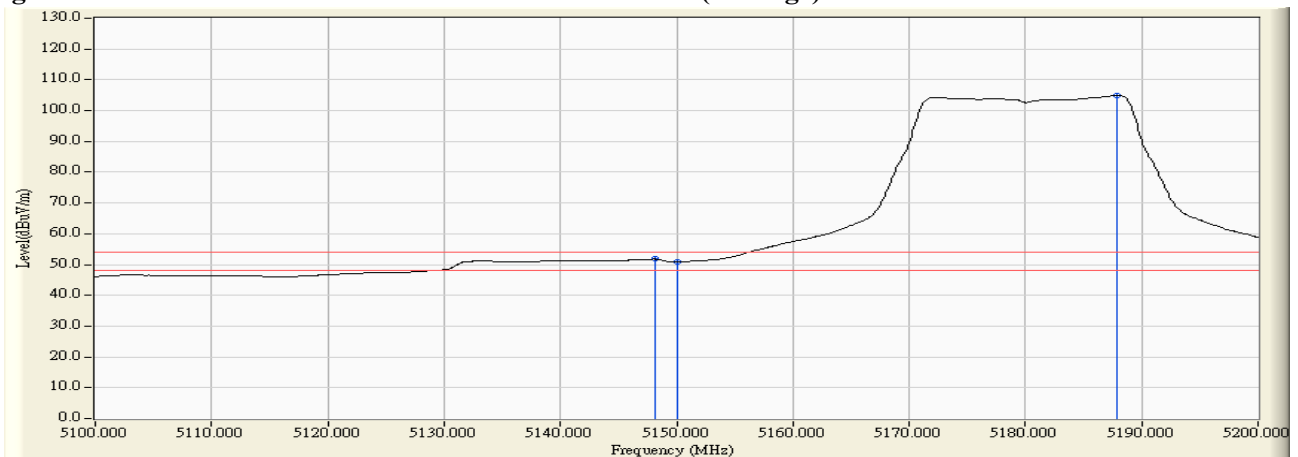
Figure Channel 36: Horizontal (Peak)

Figure Channel 36: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 36 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5150.000	12.390	58.492	70.882	74.00	54.00	Pass
36 (Peak)	5185.000	12.520	103.565	116.085	--	--	--
36 (Average)	5148.100	12.384	39.378	51.761	74.00	54.00	Pass
36 (Average)	5150.000	12.390	38.396	50.786	74.00	54.00	Pass
36 (Average)	5187.900	12.531	92.410	104.941	--	--	--

Figure Channel 36: Vertical (Peak)

Figure Channel 36: Vertical (Average)


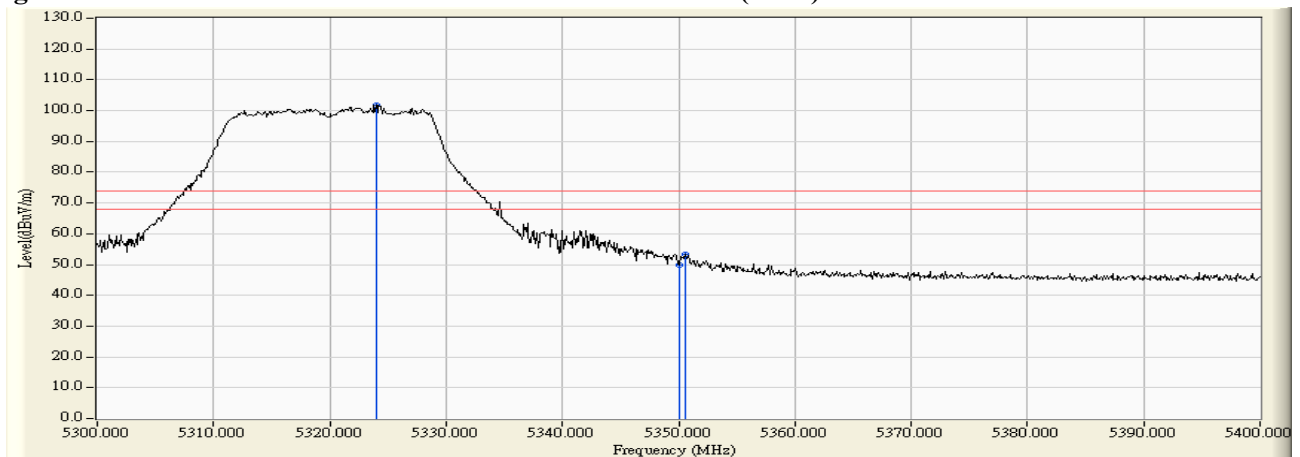
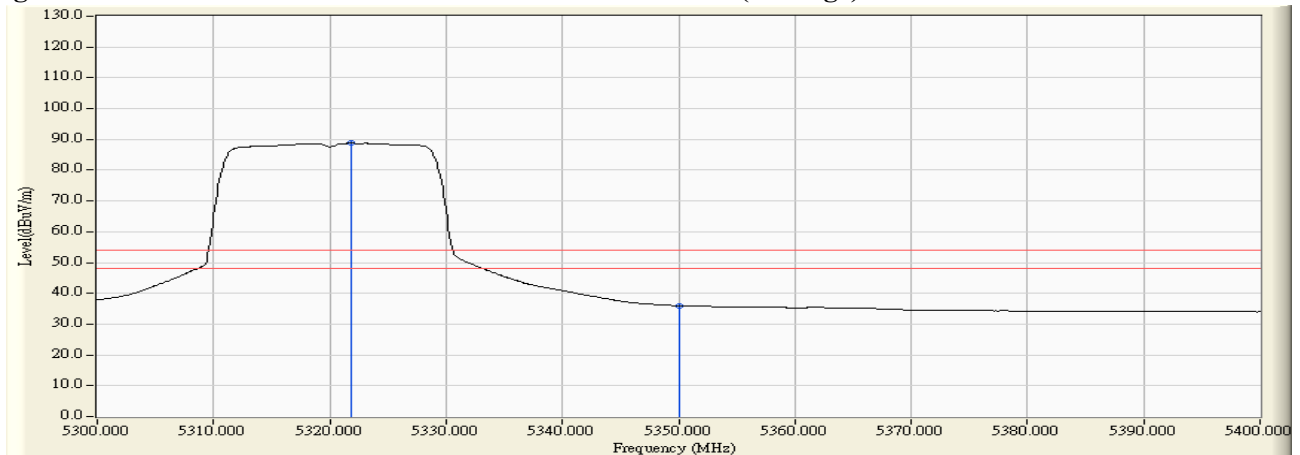
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 64 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5324.000	11.090	90.789	101.880	--	--	--
64 (Peak)	5350.000	11.024	38.656	49.680	74.00	54.00	Pass
64 (Peak)	5350.600	11.023	42.336	53.359	74.00	54.00	Pass
64 (Average)	5321.900	11.096	77.656	88.752	--	--	--
64 (Average)	5350.000	11.024	24.891	35.915	74.00	54.00	Pass

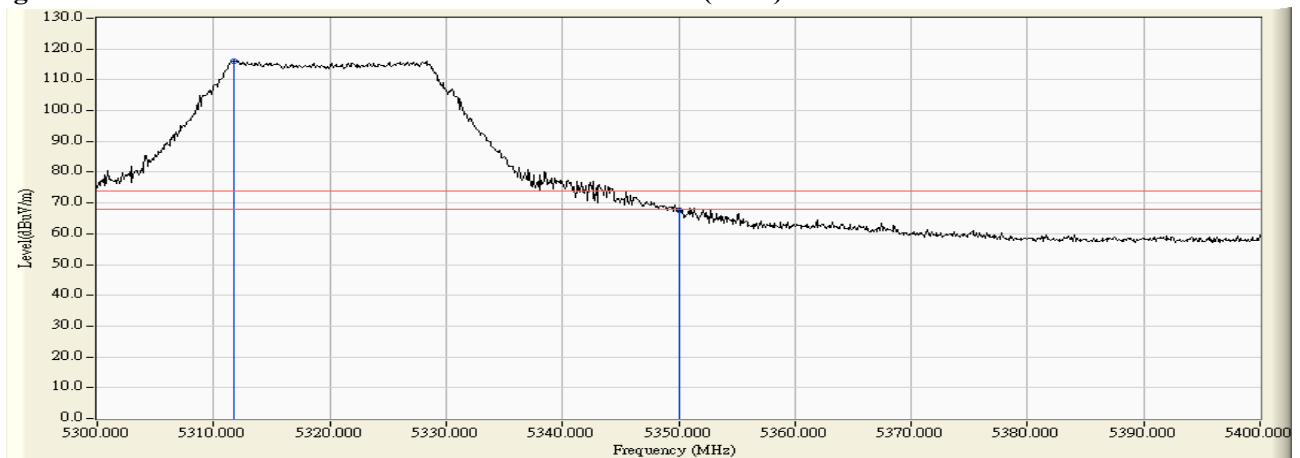
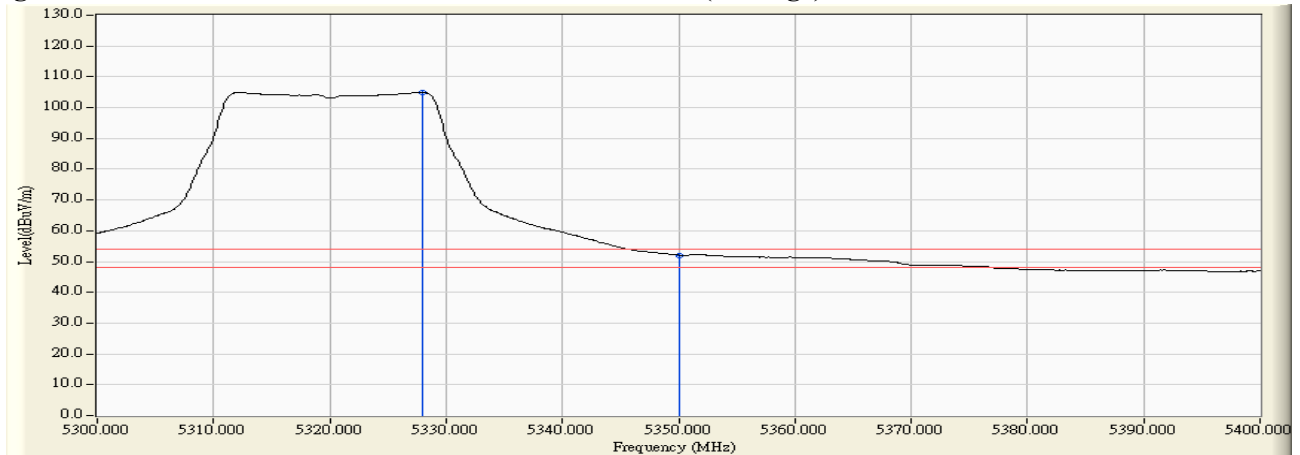
Figure Channel 64: Horizontal (Peak)**Figure Channel 64: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 64 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5311.800	13.022	103.150	116.173	--	--	--
64 (Peak)	5350.000	12.999	54.495	67.494	74.00	54.00	Pass
64 (Average)	5328.000	13.013	91.953	104.965	--	--	--
64 (Average)	5350.000	12.999	39.096	52.095	74.00	54.00	Pass

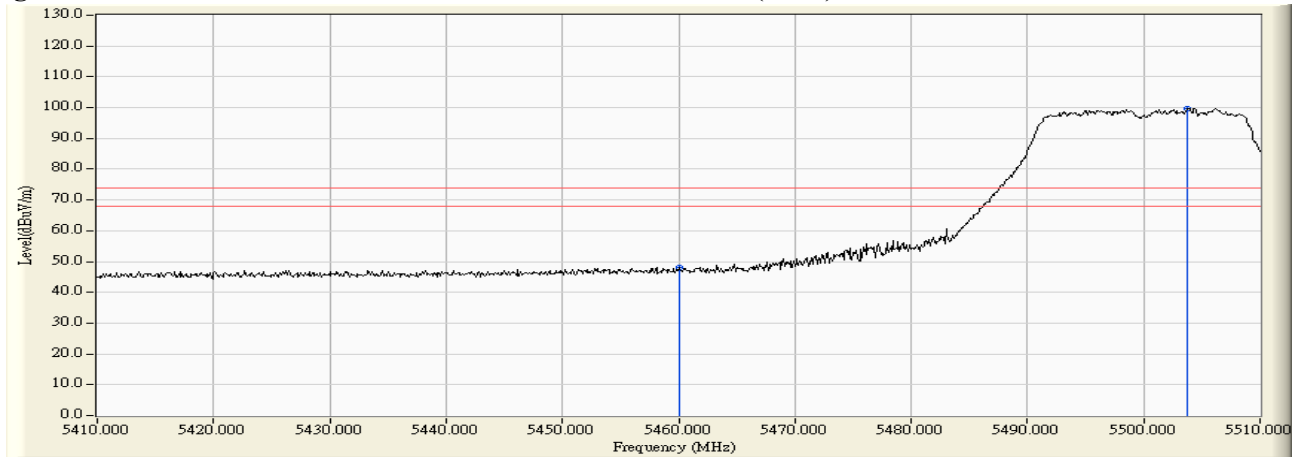
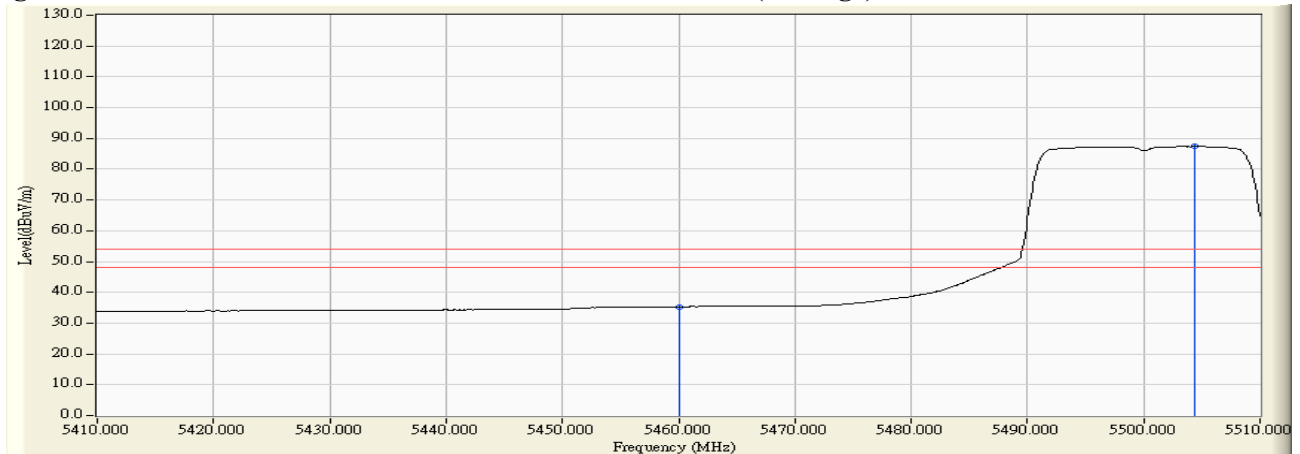
Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5460.000	11.703	36.367	48.070	74.00	54.00	Pass
100 (Peak)	5503.800	12.196	87.632	99.827	--	--	--
100 (Average)	5460.000	11.703	23.622	35.325	74.00	54.00	Pass
100 (Average)	5504.400	12.199	75.193	87.393	--	--	--

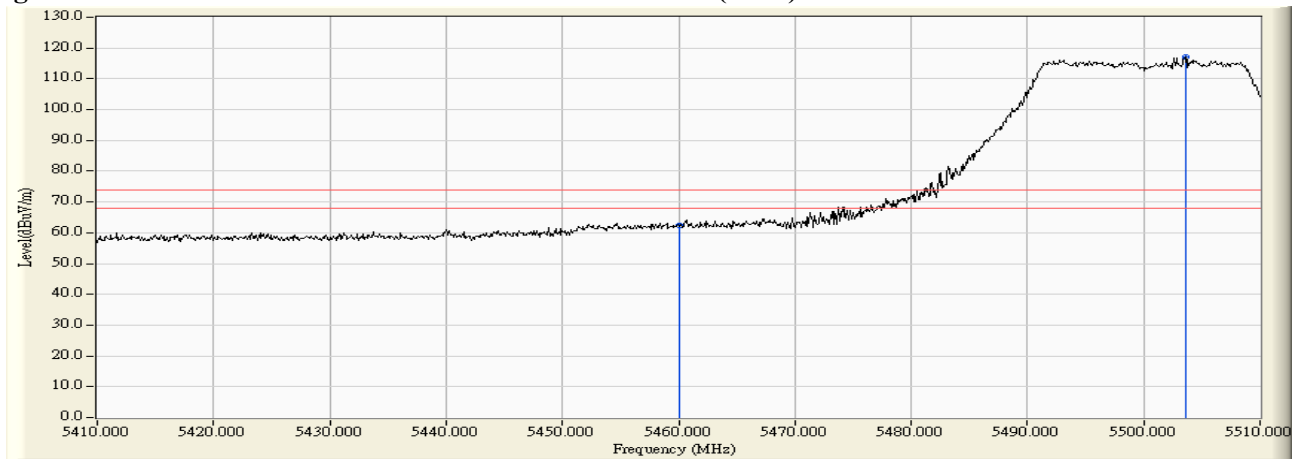
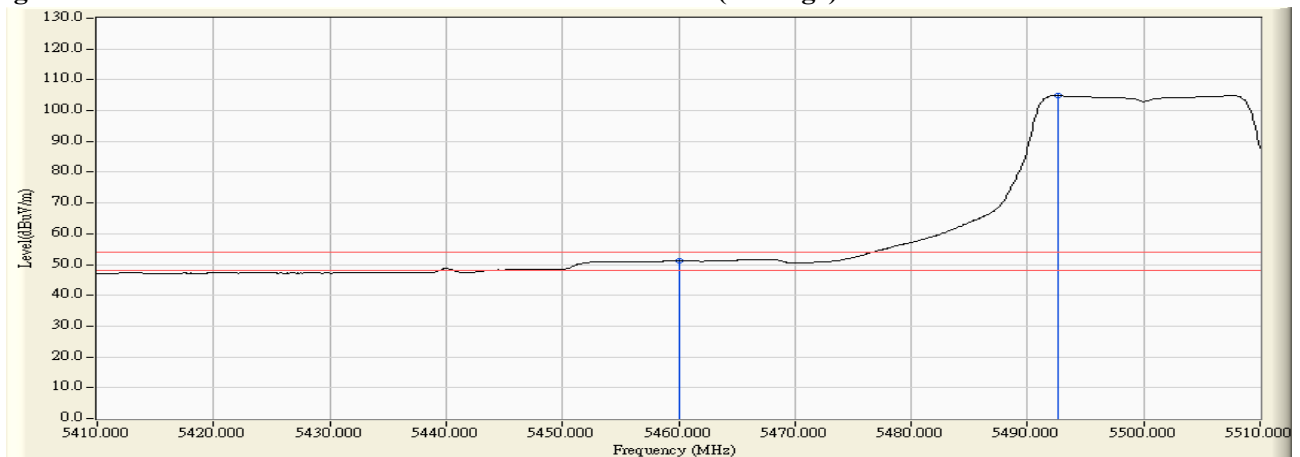
Figure Channel 100: Horizontal (Peak)**Figure Channel 100: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.8)

RF Radiated Measurement (Vertical):

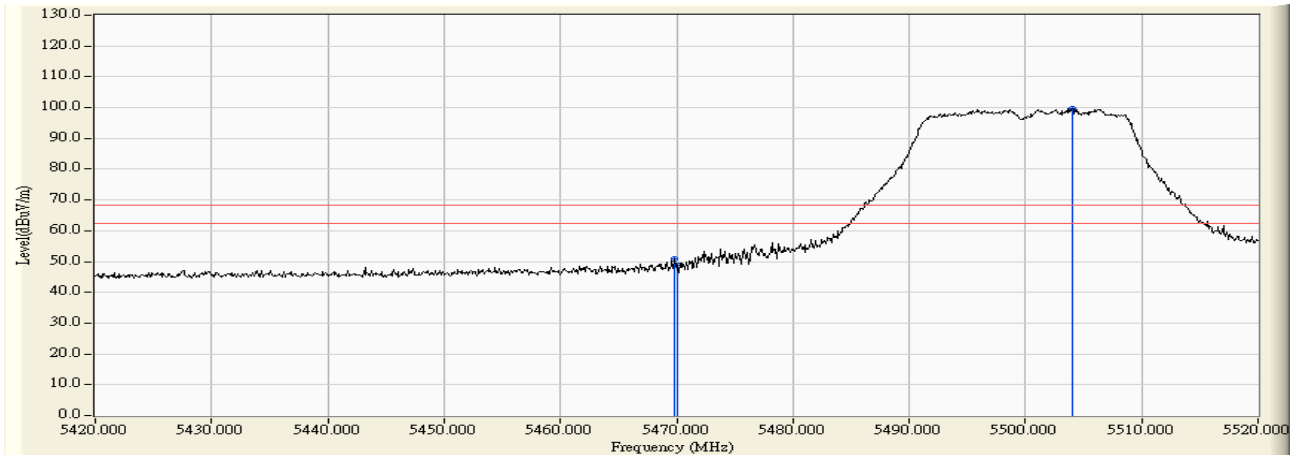
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5460.000	13.390	48.945	62.335	74.00	54.00	Pass
100 (Peak)	5503.600	13.640	103.326	116.966	--	--	--
100 (Average)	5460.000	13.390	37.804	51.194	74.00	54.00	Pass
100 (Average)	5492.600	13.605	91.230	104.836	--	--	--

Figure Channel 100:**Vertical (Peak)****Figure Channel 100:****Vertical (Average)**

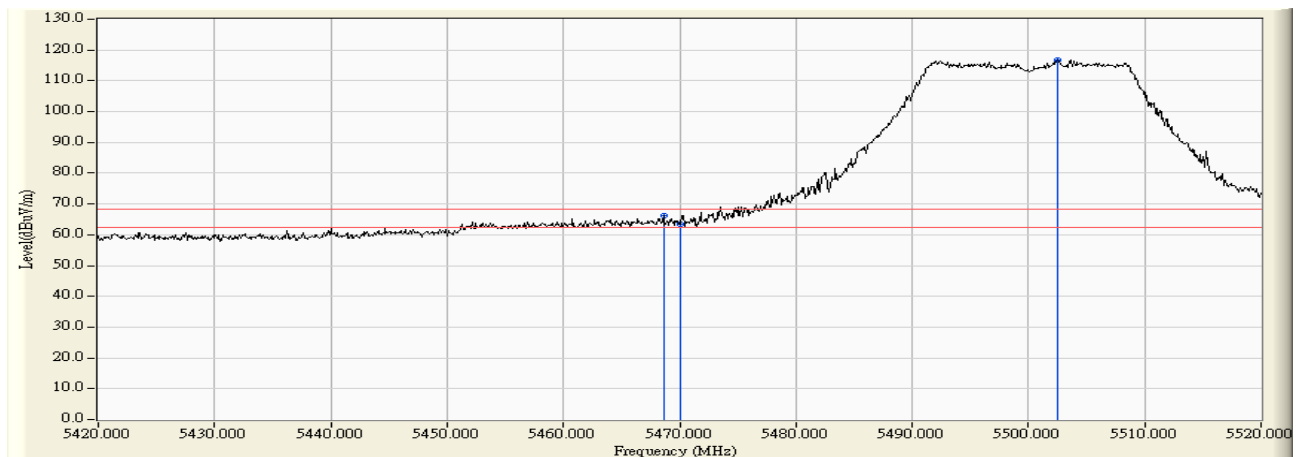
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.8)

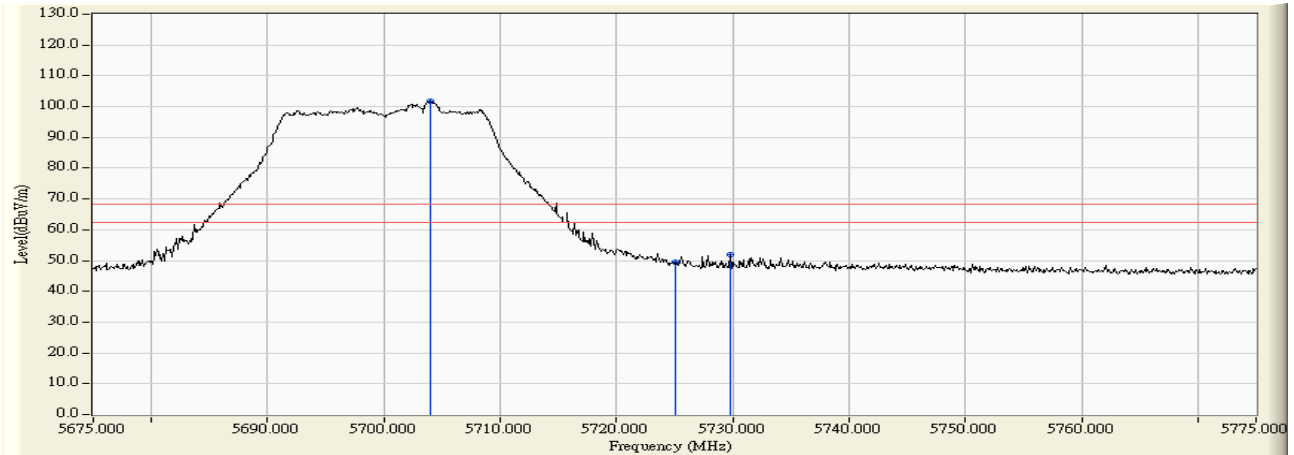
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5469.800	11.836	39.185	51.021	-17.199	68.220	Pass
Horizontal	5470.000	11.838	36.945	48.783	-19.437	68.220	Pass
Horizontal	5504.000	12.197	87.571	99.768	31.548	68.220	Pass

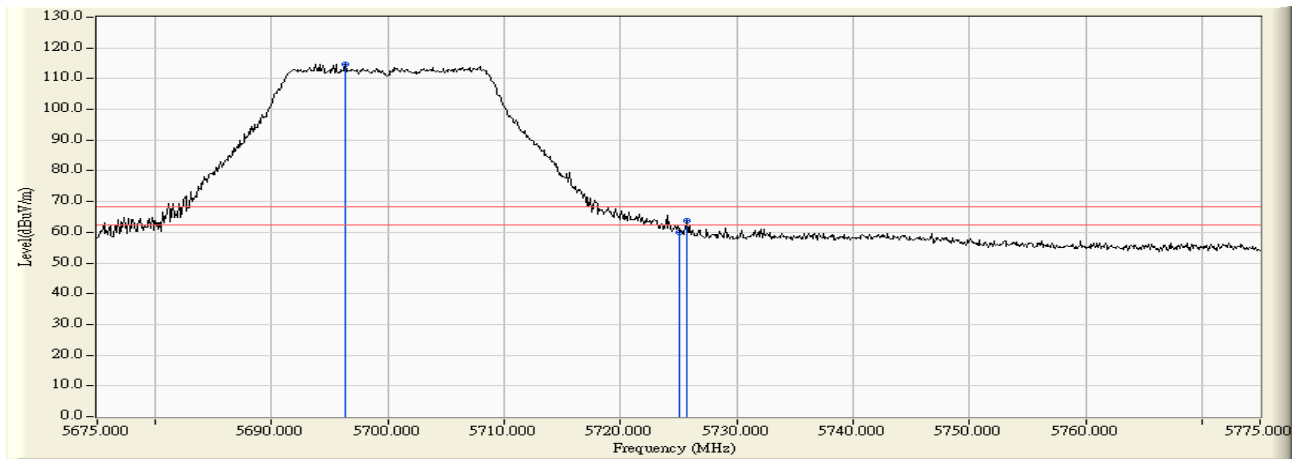


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5468.600	13.451	52.770	66.222	-1.998	68.220	Pass
Vertical	5470.000	13.462	49.894	63.356	-4.864	68.220	Pass
Vertical	5502.500	13.638	103.253	116.890	48.670	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 140 (Antenna No.8)

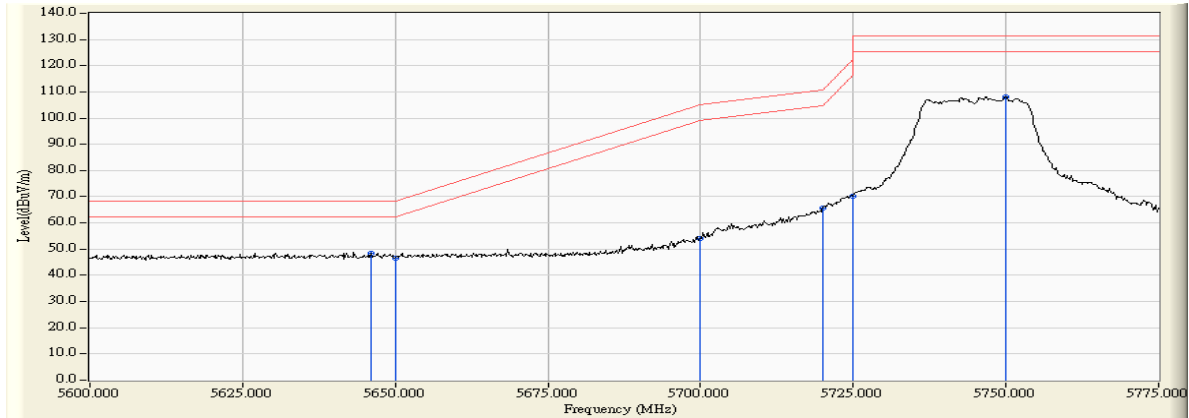
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5704.000	11.645	89.979	101.624	33.404	68.220	Pass
Horizontal	5725.000	11.592	37.925	49.517	-18.703	68.220	Pass
Horizontal	5729.800	11.577	40.508	52.085	-16.135	68.220	Pass

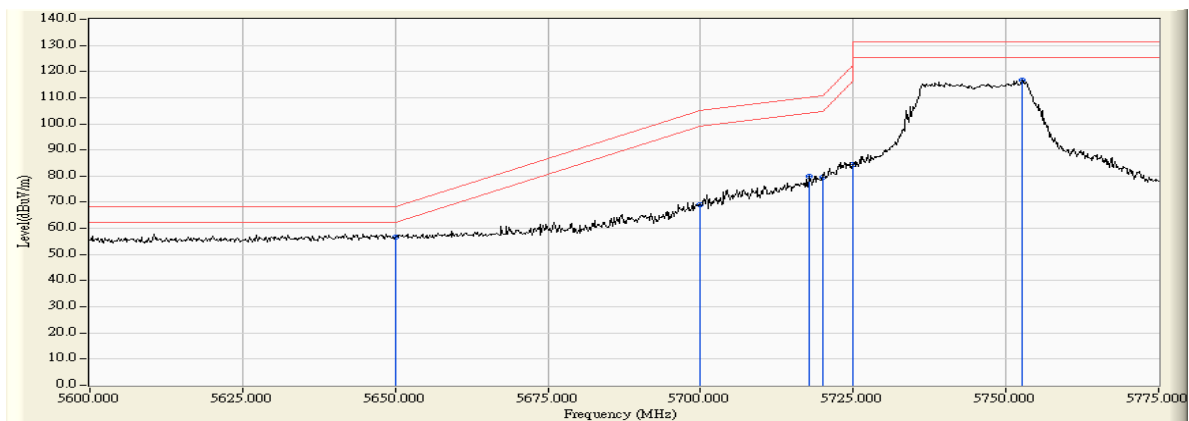


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5696.300	13.011	101.816	114.826	46.606	68.220	Pass
Vertical	5725.000	12.930	46.936	59.866	-8.354	68.220	Pass
Vertical	5725.700	12.928	51.011	63.939	-4.281	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 149 (Antenna No.8)

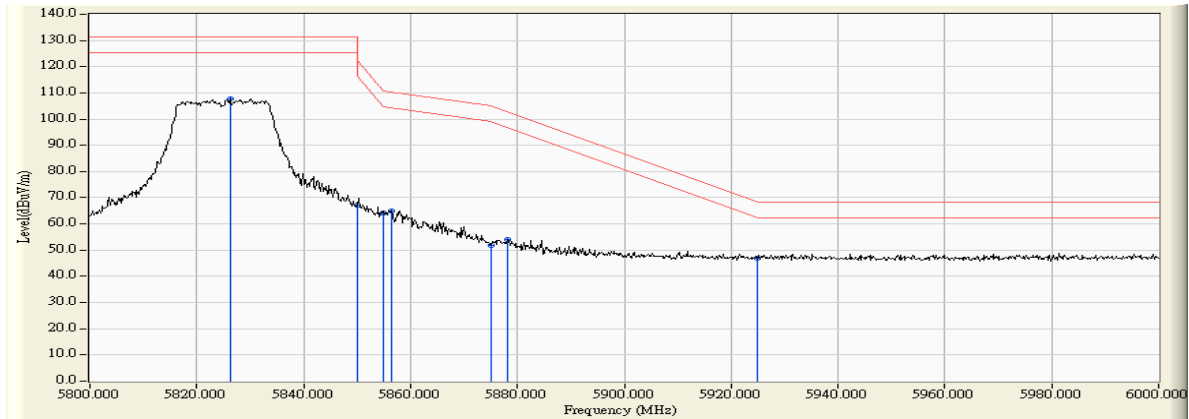
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5646.025	11.545	36.982	48.527	-19.693	68.220	Pass
Horizontal	5650.000	34.274	35.150	46.705	-21.515	68.220	Pass
Horizontal	5700.000	34.347	42.386	54.033	-51.167	105.200	Pass
Horizontal	5720.000	34.299	54.029	65.636	-45.164	110.800	Pass
Horizontal	5725.000	34.282	58.772	70.364	-51.836	122.200	Pass
Horizontal	5749.975	34.193	96.744	108.256	-22.944	131.200	Pass

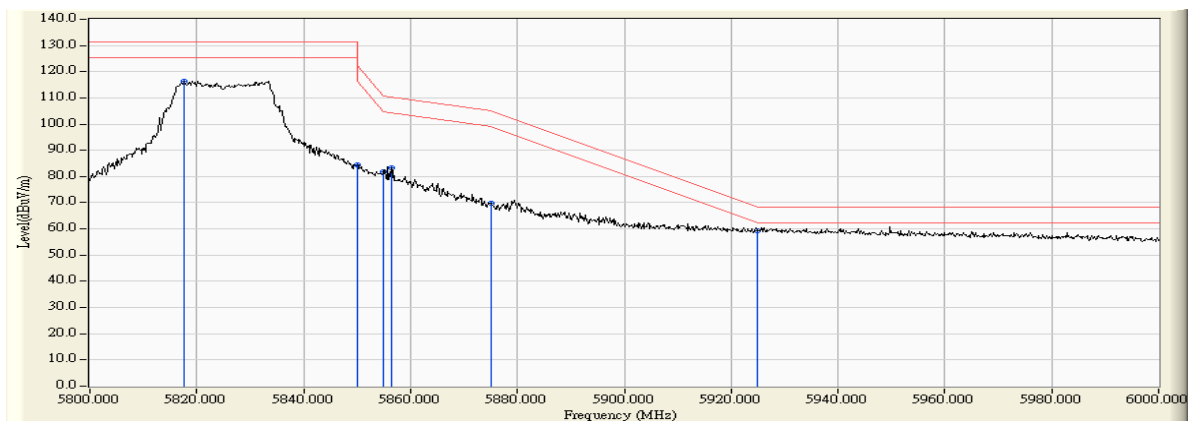


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5650.000	13.029	43.512	56.541	-11.679	68.220	Pass
Vertical	5700.000	13.003	56.052	69.055	-36.145	105.200	Pass
Vertical	5717.775	12.955	67.064	80.019	-30.158	110.177	Pass
Vertical	5720.000	12.947	66.673	79.620	-31.180	110.800	Pass
Vertical	5725.000	12.930	71.483	84.413	-37.787	122.200	Pass
Vertical	5752.600	12.833	103.763	116.596	-14.604	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 165 (Antenna No.8)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5826.200	11.537	96.311	107.847	-23.353	131.200	Pass
Horizontal	5850.000	11.701	55.339	67.040	-55.160	122.200	Pass
Horizontal	5855.000	11.735	52.521	64.256	-46.544	110.800	Pass
Horizontal	5856.400	11.745	53.372	65.117	-45.291	110.408	Pass
Horizontal	5875.000	11.873	40.029	51.902	-53.298	105.200	Pass
Horizontal	5878.200	11.896	42.125	54.020	-48.812	102.832	Pass
Horizontal	5925.000	12.068	34.804	46.873	-21.327	68.200	Pass

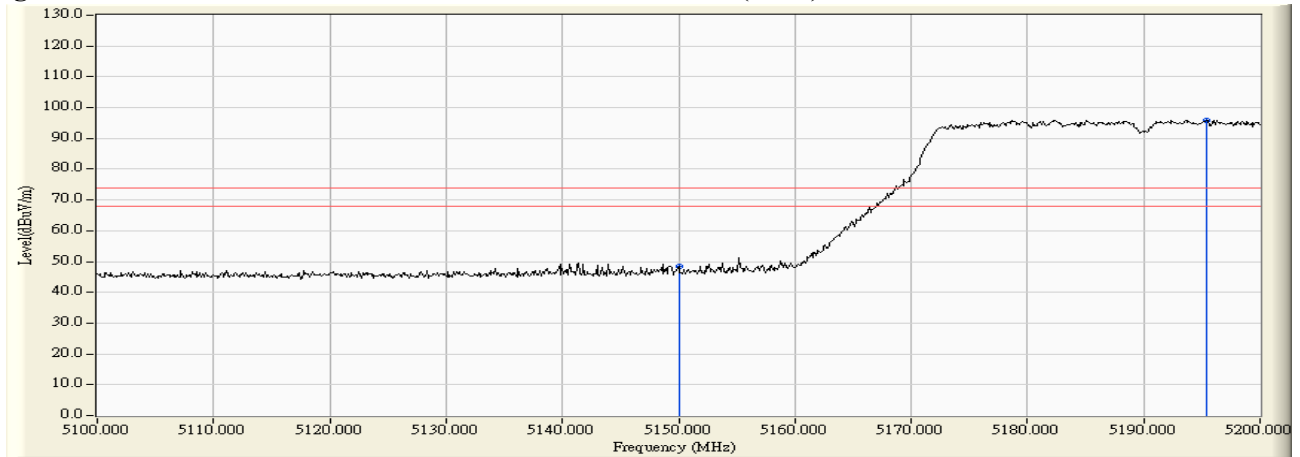
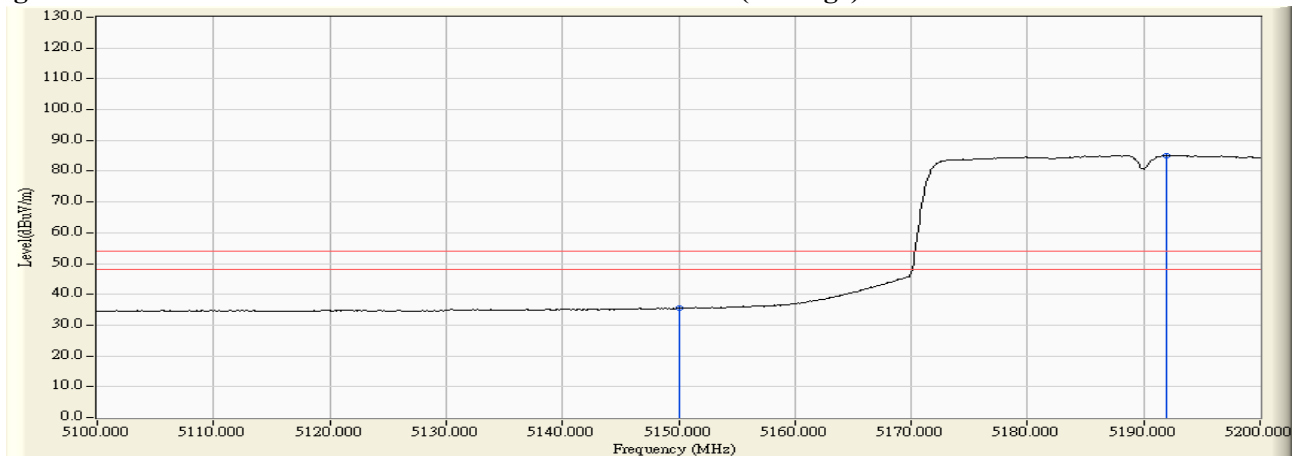


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5817.600	12.706	103.687	116.393	-14.807	131.200	Pass
Vertical	5850.000	12.774	71.608	84.382	-37.818	122.200	Pass
Vertical	5855.000	12.784	68.892	81.676	-29.124	110.800	Pass
Vertical	5856.400	12.787	70.535	83.322	-27.086	110.408	Pass
Vertical	5875.000	12.825	56.983	69.808	-35.392	105.200	Pass
Vertical	5925.000	12.911	46.570	59.481	-8.719	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 38 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
38 (Peak)	5150.000	10.470	37.909	48.380	74.00	54.00	Pass
38 (Peak)	5195.400	10.348	85.665	96.013	--	--	--
38 (Average)	5150.000	10.470	24.914	35.385	74.00	54.00	Pass
38 (Average)	5192.000	10.360	74.749	85.109	--	--	--

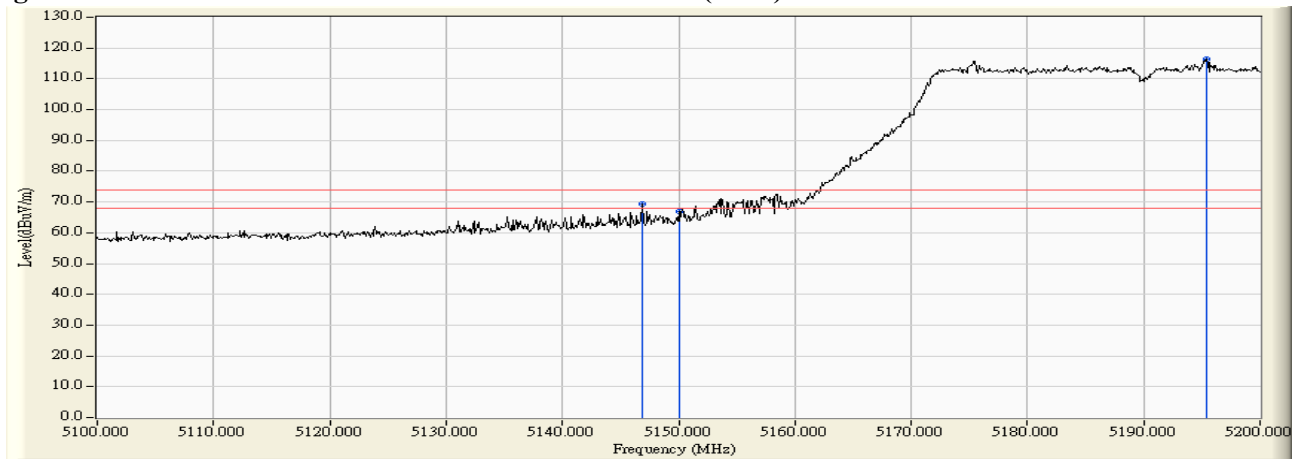
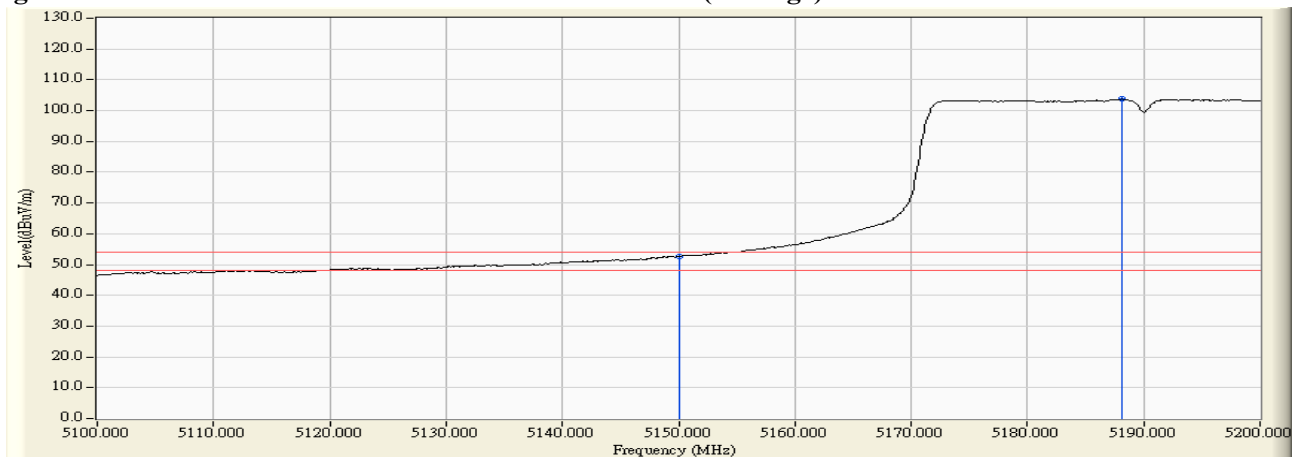
Figure Channel 38:**Horizontal (Peak)****Figure Channel 38:****Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 38 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
38 (Peak)	5146.900	12.378	56.920	69.299	74.00	54.00	Pass
38 (Peak)	5150.000	12.390	54.630	67.020	74.00	54.00	Pass
38 (Peak)	5195.400	12.552	103.697	116.249	--	--	--
38 (Average)	5150.000	12.390	40.205	52.595	74.00	54.00	Pass
38 (Average)	5188.100	12.532	91.195	103.726	--	--	--

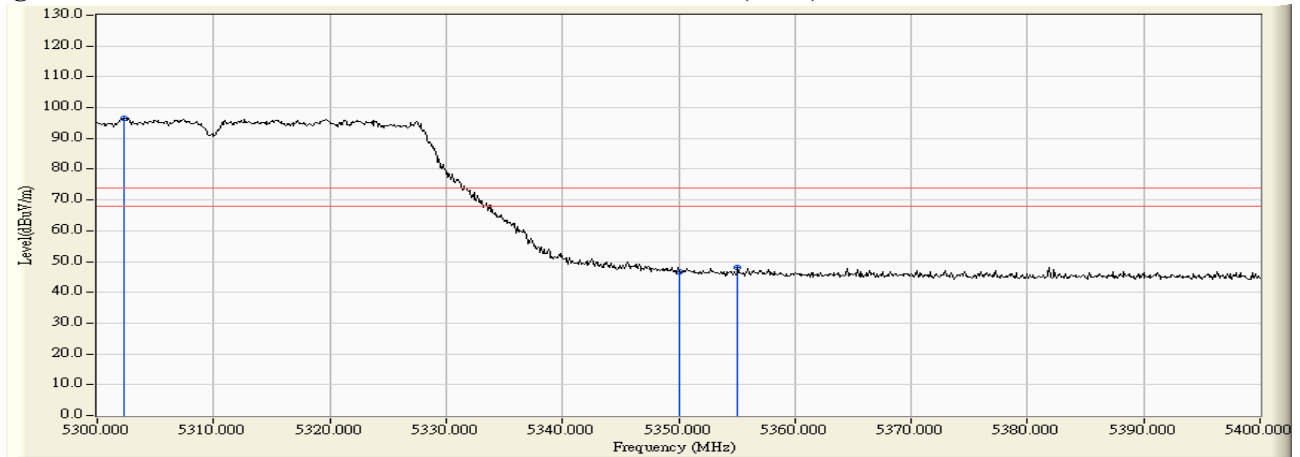
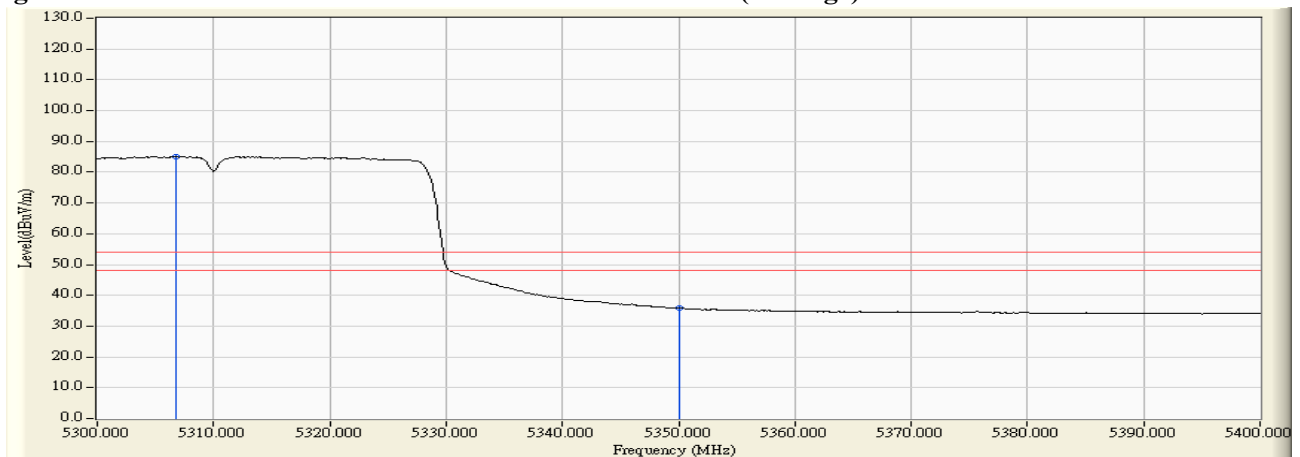
Figure Channel 38: Vertical (Peak)

Figure Channel 38: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 62 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
62 (Peak)	5302.300	11.146	85.462	96.608	--	--	--
62 (Peak)	5350.000	11.024	35.648	46.672	74.00	54.00	Pass
62 (Peak)	5355.100	11.011	36.969	47.980	74.00	54.00	Pass
62 (Average)	5306.800	11.135	73.871	85.006	--	--	--
62 (Average)	5350.000	11.024	24.830	35.854	74.00	54.00	Pass

Figure Channel 62: Horizontal (Peak)**Figure Channel 62: Horizontal (Average)**

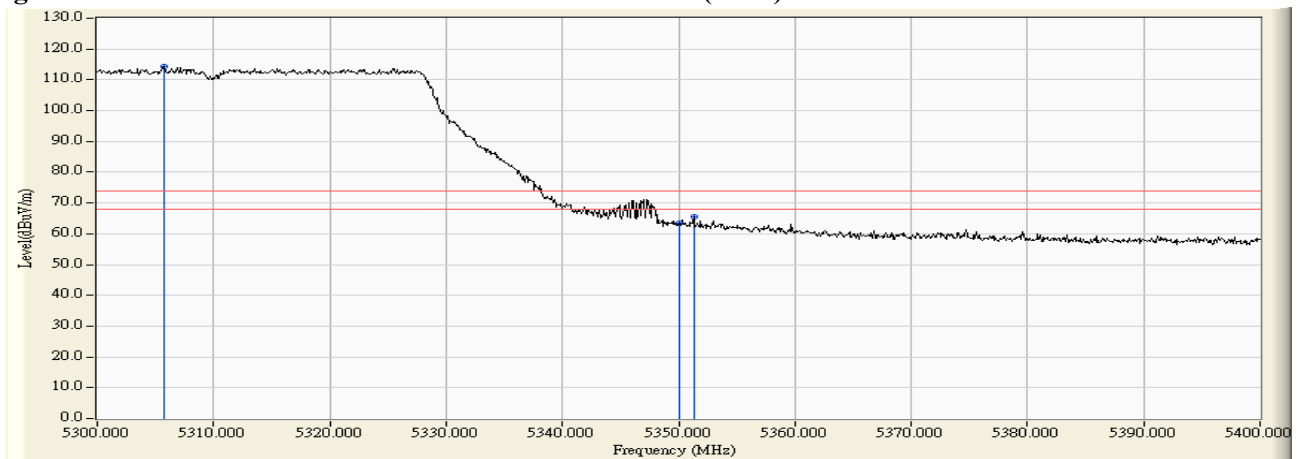
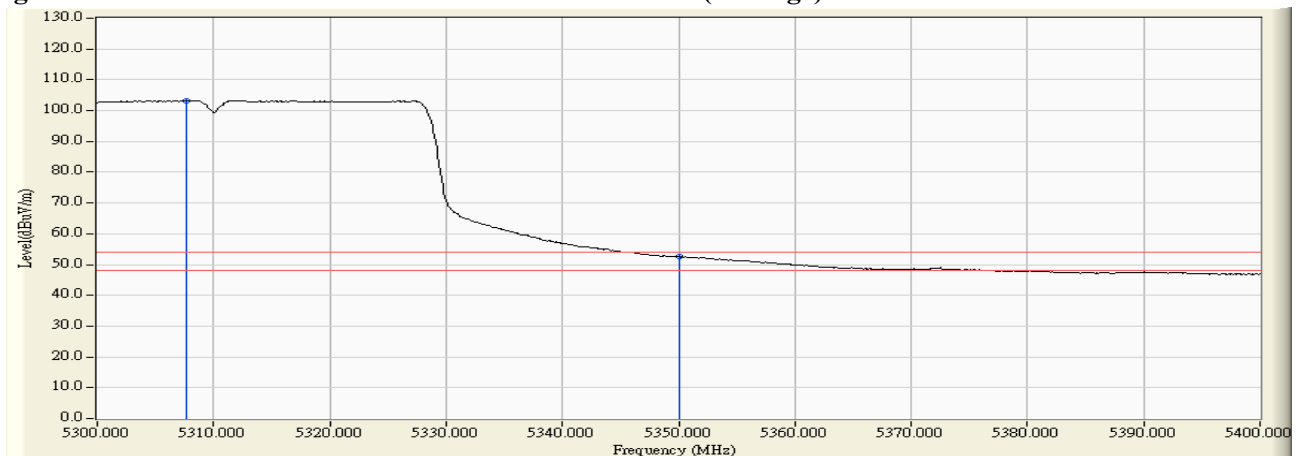
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 62 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5305.700	13.026	101.196	114.223	--	--	--
62 (Peak)	5350.000	12.999	50.333	63.332	74.00	54.00	Pass
62 (Peak)	5351.300	12.999	52.499	65.498	74.00	54.00	Pass
62 (Average)	5307.700	13.025	90.279	103.304	--	--	--
62 (Average)	5350.000	12.999	39.469	52.468	74.00	54.00	Pass

Figure Channel 62: Vertical (Peak)**Figure Channel 62: Vertical (Average)**

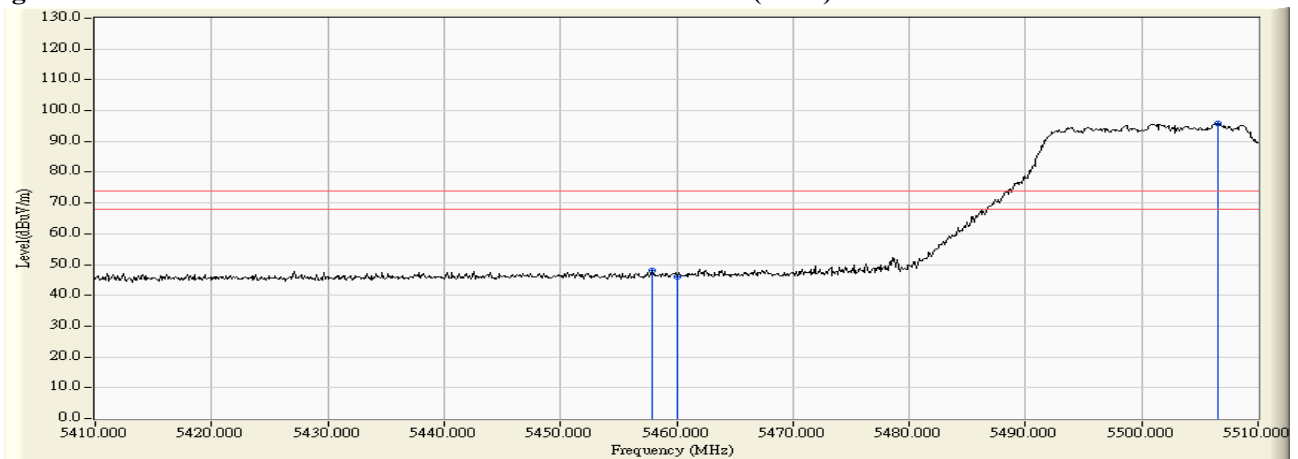
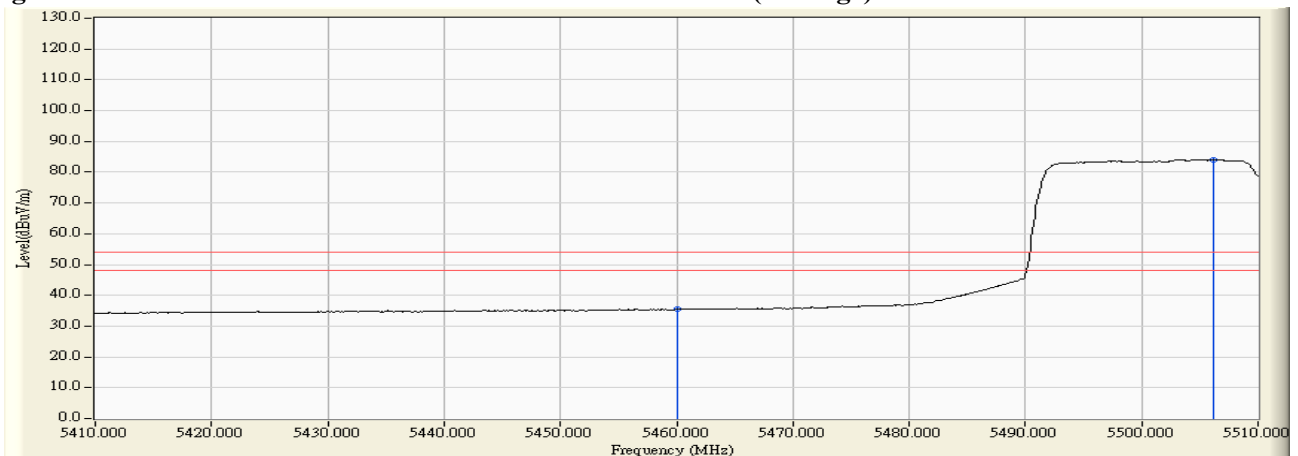
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5457.900	11.674	36.586	48.260	74.00	54.00	Pass
102 (Peak)	5460.000	11.703	34.458	46.161	74.00	54.00	Pass
102 (Peak)	5506.500	12.191	83.686	95.878	--	--	--
102 (Average)	5460.000	11.703	23.746	35.449	74.00	54.00	Pass
102 (Average)	5506.200	12.193	71.822	84.016	--	--	--

Figure Channel 102: Horizontal (Peak)

Figure Channel 102: Horizontal (Average)


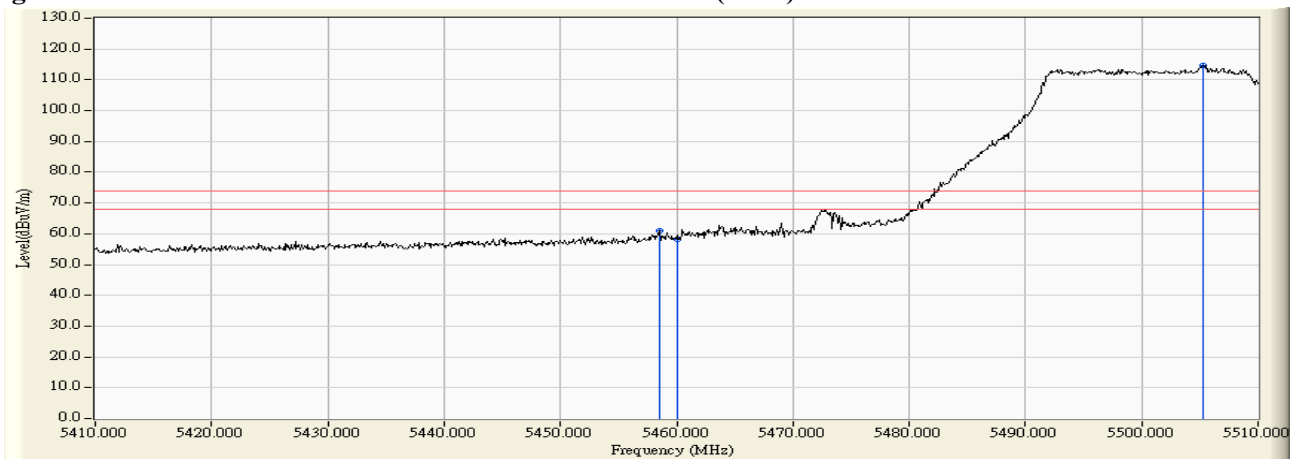
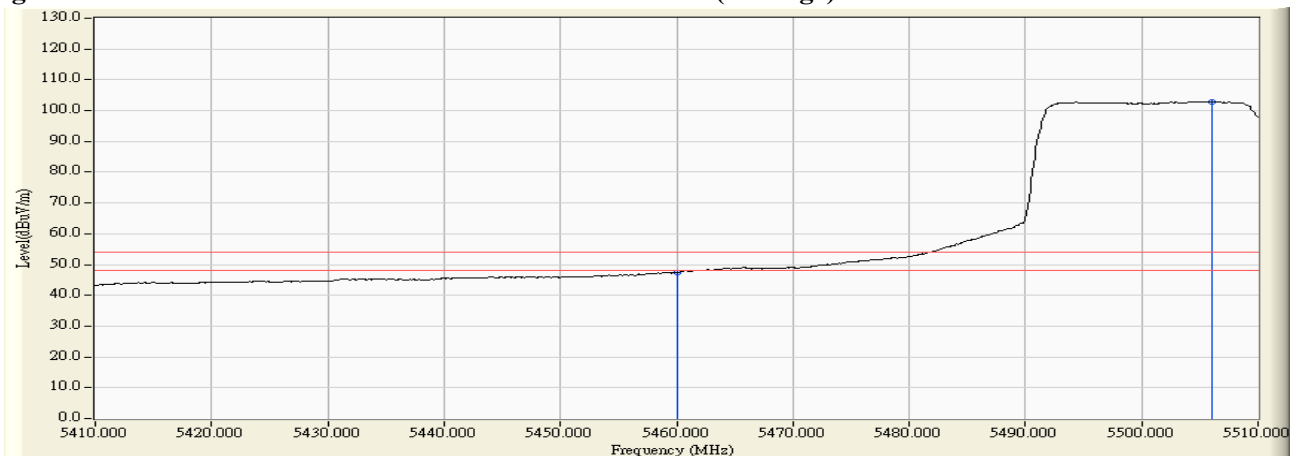
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.8)

RF Radiated Measurement (Vertical):

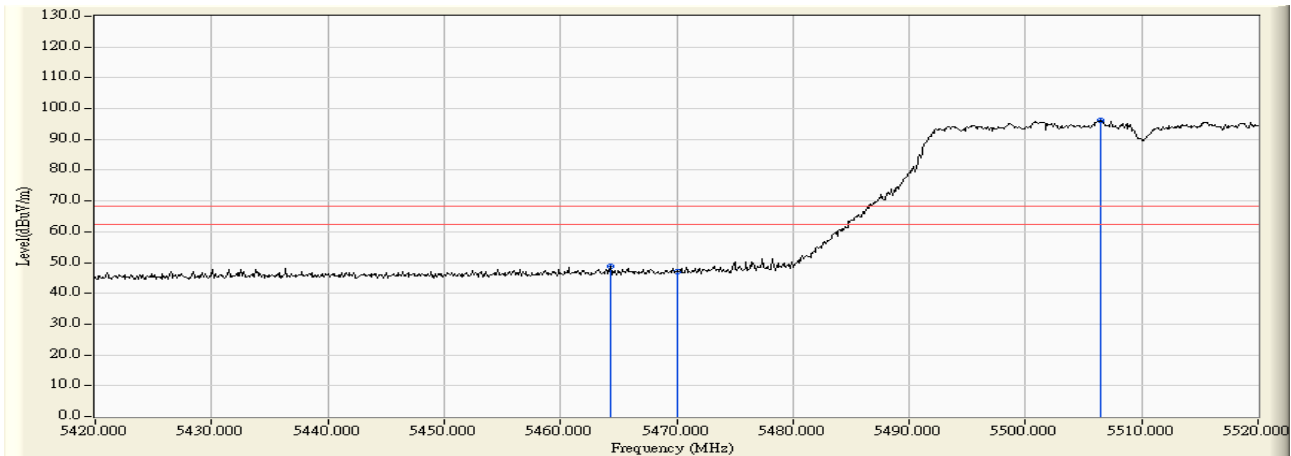
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
102 (Peak)	5458.500	13.379	47.539	60.918	74.00	54.00	Pass
102 (Peak)	5460.000	13.390	44.744	58.134	74.00	54.00	Pass
102 (Peak)	5505.300	13.643	101.110	114.753	--	--	--
102 (Average)	5460.000	13.390	34.075	47.465	74.00	54.00	Pass
102 (Average)	5506.100	13.638	89.278	102.916	--	--	--

Figure Channel 102: Vertical (Peak)**Figure Channel 102: Vertical (Average)**

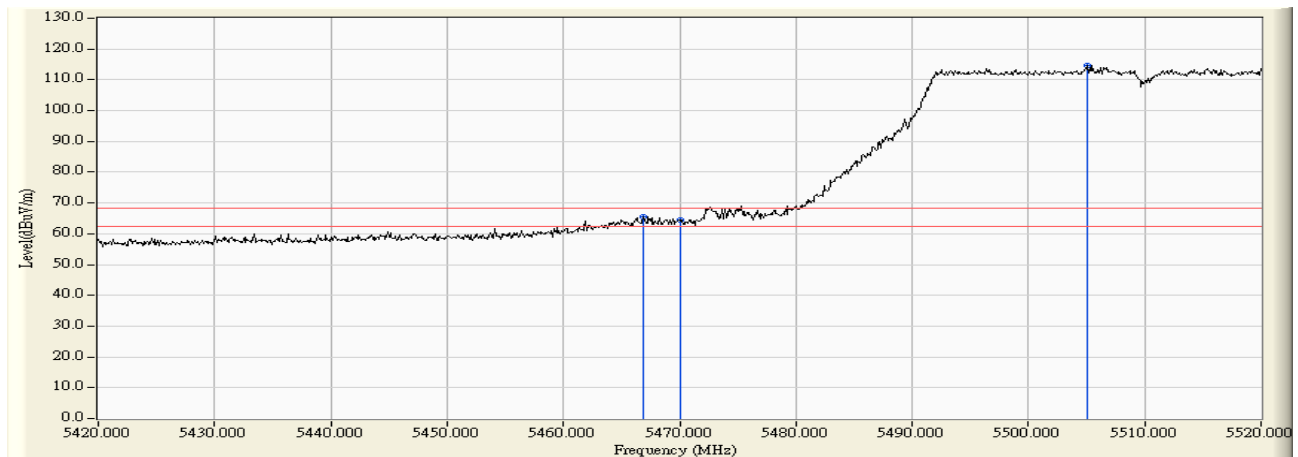
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.8)

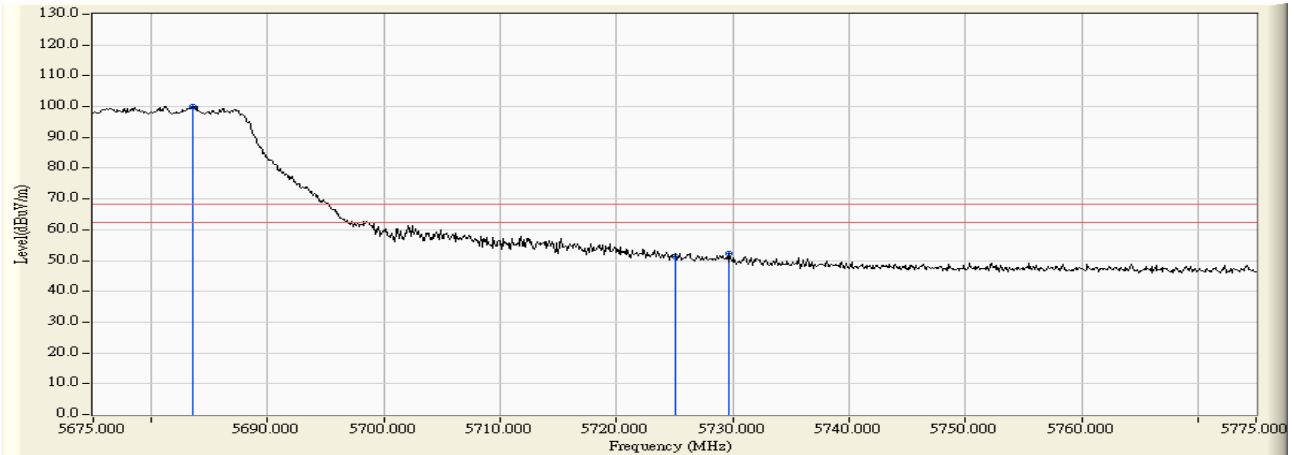
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5464.300	11.762	37.078	48.839	-19.381	68.220	Pass
Horizontal	5470.000	11.838	35.210	47.048	-21.172	68.220	Pass
Horizontal	5506.500	12.191	83.847	96.039	27.819	68.220	Pass

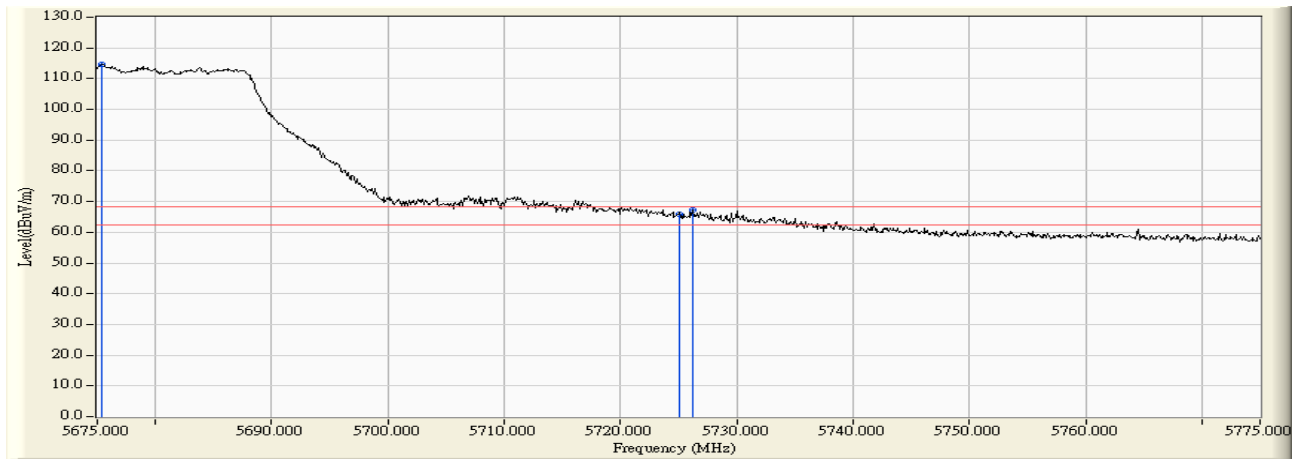


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5466.900	13.440	52.209	65.649	-2.571	68.220	Pass
Vertical	5470.000	13.462	51.179	64.641	-3.579	68.220	Pass
Vertical	5505.100	13.645	101.170	114.814	46.594	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 134 (Antenna No.8)

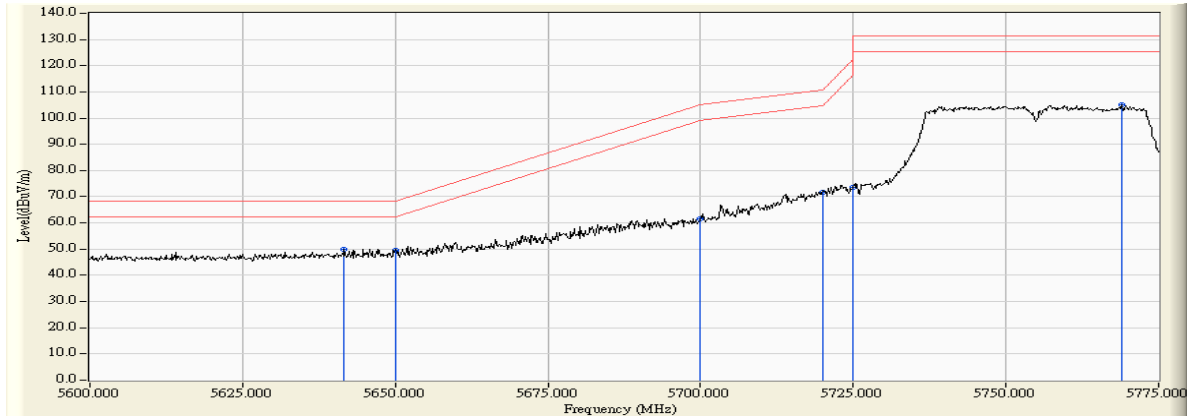
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5683.600	11.633	88.552	100.185	31.965	68.220	Pass
Horizontal	5725.000	11.592	39.475	51.067	-17.153	68.220	Pass
Horizontal	5729.700	11.577	40.828	52.405	-15.815	68.220	Pass

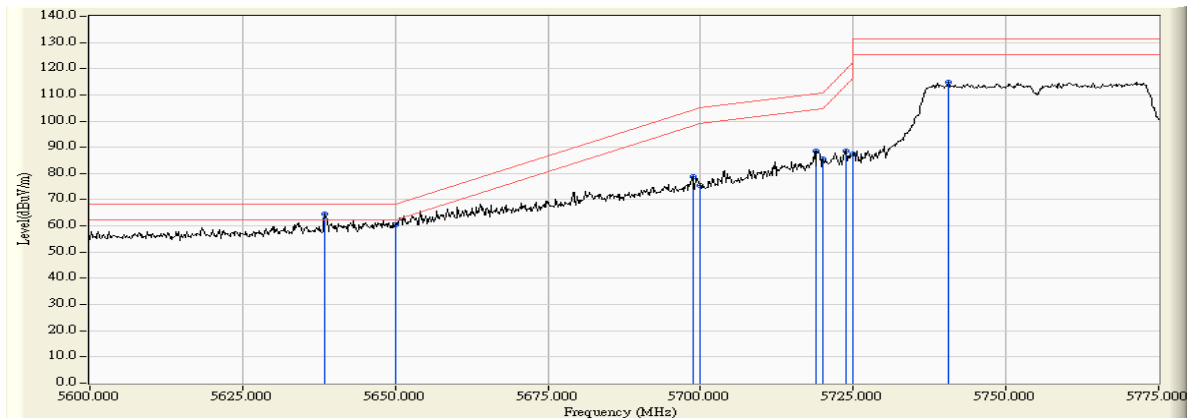


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5675.400	13.023	101.528	114.551	46.331	68.220	Pass
Vertical	5725.000	12.930	52.904	65.834	-2.386	68.220	Pass
Vertical	5726.200	12.926	54.271	67.197	-1.023	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 151 (Antenna No.8)

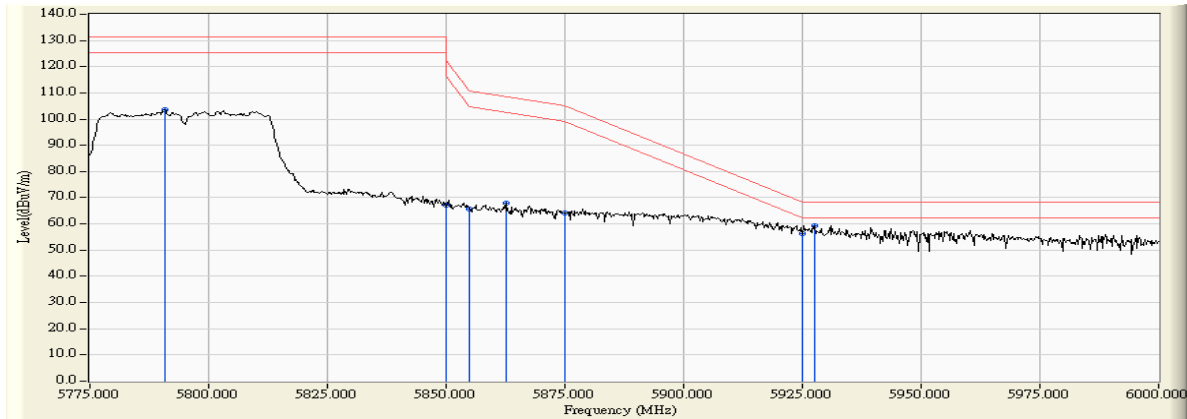
RF Radiated Measurement :


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5641.650	11.534	38.524	50.058	-18.162	68.220	Pass
Horizontal	5650.000	11.554	38.046	49.601	-18.619	68.220	Pass
Horizontal	5700.000	11.647	49.936	61.583	-43.617	105.200	Pass
Horizontal	5720.000	11.607	60.225	71.832	-38.968	110.800	Pass
Horizontal	5725.000	11.592	62.102	73.694	-48.506	122.200	Pass
Horizontal	5768.875	11.454	93.470	104.923	-26.277	131.200	Pass

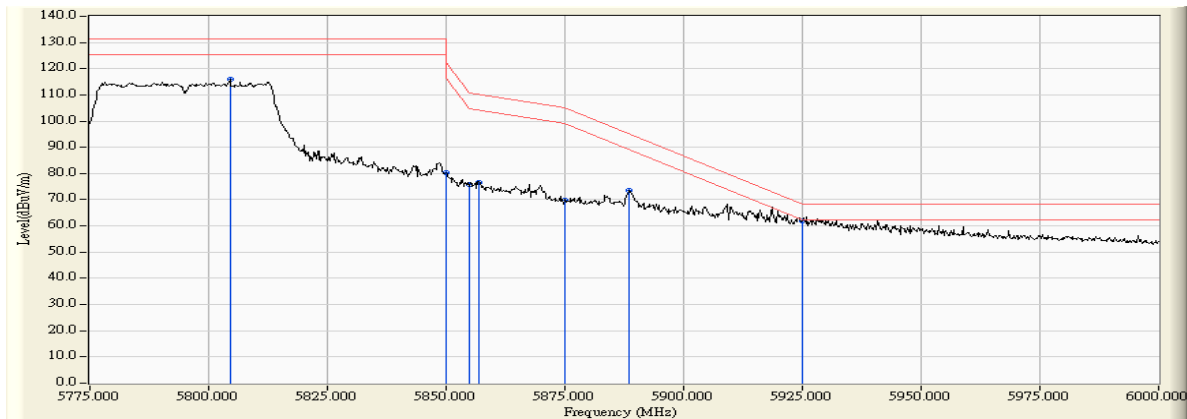


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5638.500	13.031	51.516	64.548	-3.672	68.220	Pass
Vertical	5650.000	13.029	47.563	60.592	-7.628	68.220	Pass
Vertical	5698.700	13.006	65.724	78.730	-25.509	104.239	Pass
Vertical	5700.000	13.003	62.285	75.288	-29.912	105.200	Pass
Vertical	5719.000	12.950	75.620	88.571	-21.949	110.520	Pass
Vertical	5720.000	12.947	72.488	85.435	-25.365	110.800	Pass
Vertical	5723.725	12.935	75.551	88.486	-30.807	119.293	Pass
Vertical	5725.000	12.930	74.396	87.326	-34.874	122.200	Pass
Vertical	5740.525	12.876	101.916	114.792	-16.408	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 159 (Antenna No.8)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5790.750	11.383	92.071	103.455	-27.745	131.200	Pass
Horizontal	5850.000	11.701	55.483	67.184	-55.016	122.200	Pass
Horizontal	5855.000	11.735	54.028	65.763	-45.037	110.800	Pass
Horizontal	5862.750	11.788	55.969	67.757	-40.873	108.630	Pass
Horizontal	5875.000	11.873	52.150	64.023	-41.177	105.200	Pass
Horizontal	5925.000	12.068	44.301	56.370	-11.830	68.200	Pass
Horizontal	5927.550	12.071	47.340	59.411	-8.789	68.200	Pass

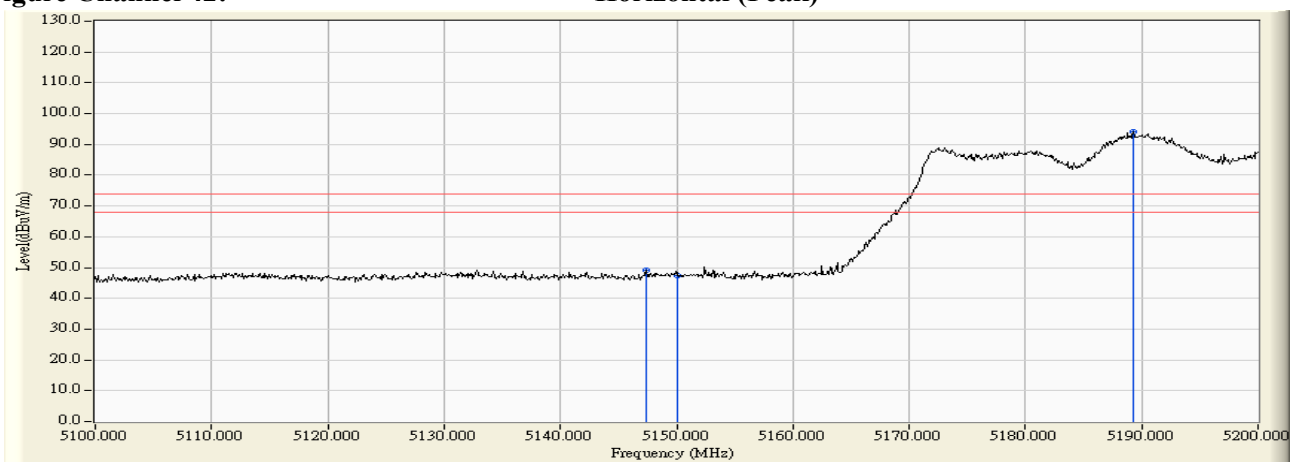
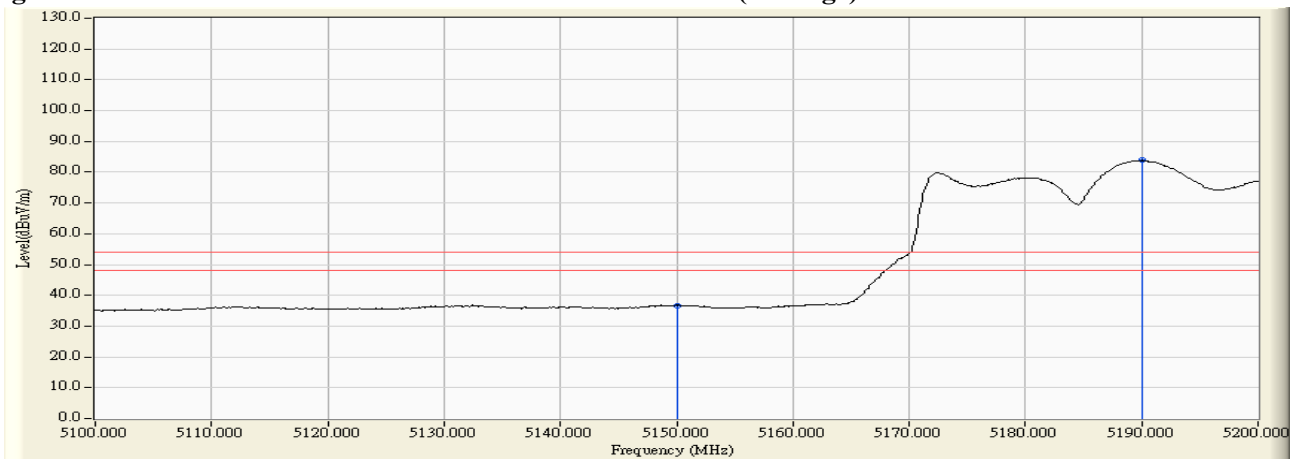


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5804.475	12.688	103.195	115.883	-15.317	131.200	Pass
Vertical	5850.000	12.774	67.469	80.243	-41.957	122.200	Pass
Vertical	5855.000	12.784	63.064	75.848	-34.952	110.800	Pass
Vertical	5856.900	12.787	63.968	76.756	-33.512	110.268	Pass
Vertical	5875.000	12.825	57.115	69.940	-35.260	105.200	Pass
Vertical	5888.625	12.855	60.550	73.405	-21.712	95.117	Pass
Vertical	5925.000	12.911	48.869	61.780	-6.420	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 42 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
42 (Peak)	5147.400	10.478	38.667	49.144	74.00	54.00	Pass
42 (Peak)	5150.000	10.470	36.766	47.237	74.00	54.00	Pass
42 (Peak)	5189.300	10.369	83.667	94.036	--	--	--
42 (Average)	5150.000	10.470	26.268	36.739	74.00	54.00	Pass
42 (Average)	5190.100	10.366	73.469	83.835	--	--	--

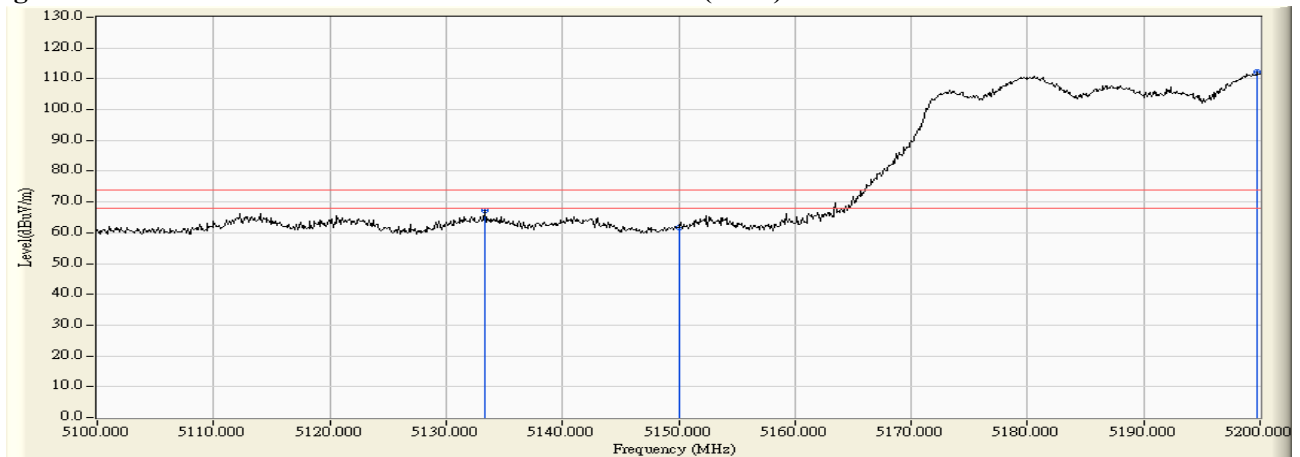
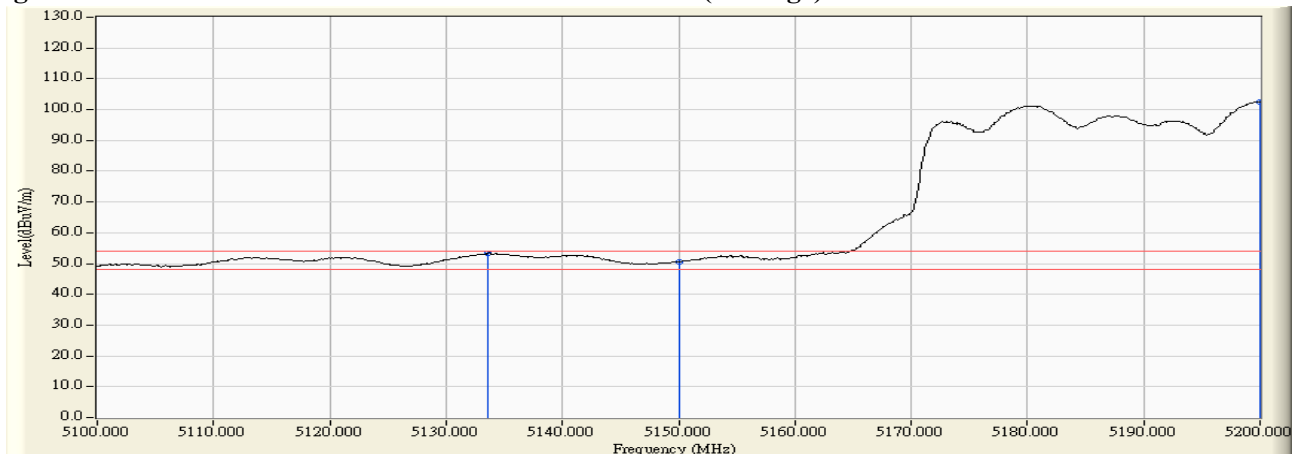
Figure Channel 42: Horizontal (Peak)**Figure Channel 42: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 42 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
42 (Peak)	5133.300	12.327	54.936	67.263	74.00	54.00	Pass
42 (Peak)	5150.000	12.390	49.439	61.829	74.00	54.00	Pass
42 (Peak)	5199.800	12.567	99.665	112.233	--	--	--
42 (Average)	5133.600	12.328	41.074	53.402	74.00	54.00	Pass
42 (Average)	5150.000	12.390	38.228	50.618	74.00	54.00	Pass
42 (Average)	5200.000	12.569	89.969	102.538	--	--	--

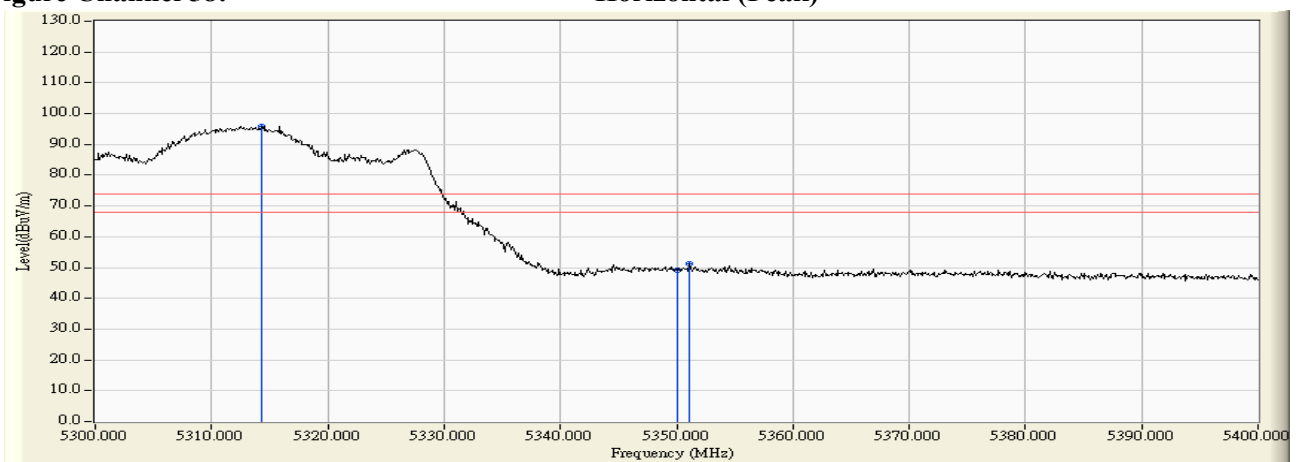
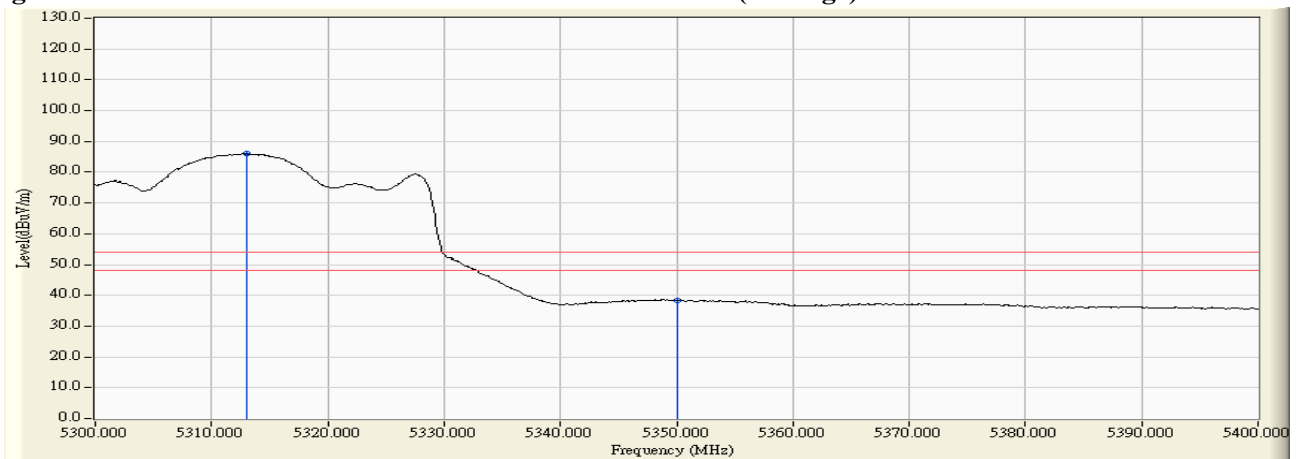
Figure Channel 42: Vertical (Peak)**Figure Channel 42: Vertical (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 58 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5314.300	11.115	84.821	95.936	--	--	--
58 (Peak)	5350.000	11.024	38.252	49.276	74.00	54.00	Pass
58 (Peak)	5351.100	11.021	40.089	51.111	74.00	54.00	Pass
58 (Average)	5313.000	11.119	74.905	86.024	--	--	--
58 (Average)	5350.000	11.024	27.367	38.391	74.00	54.00	Pass

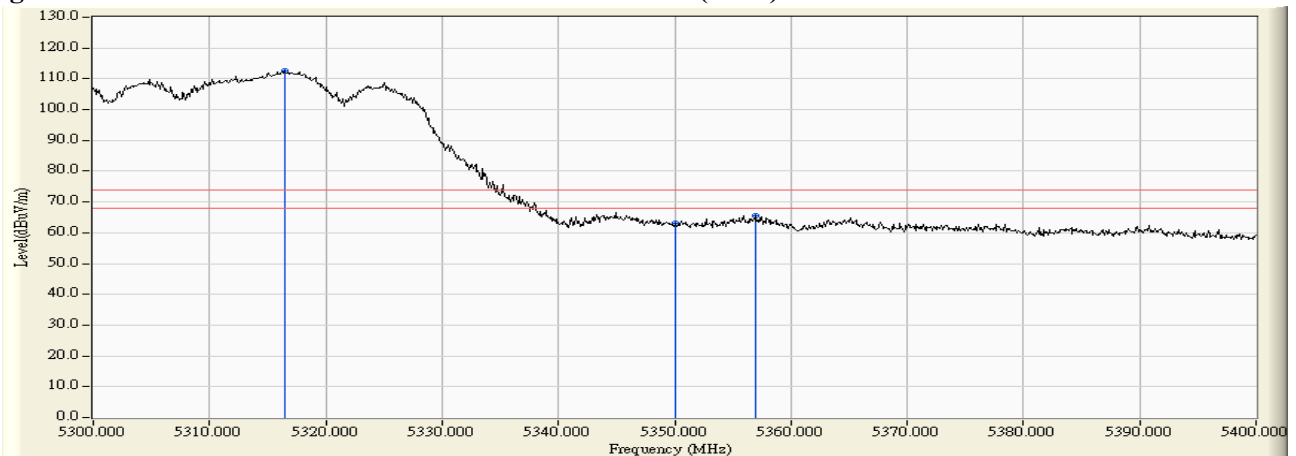
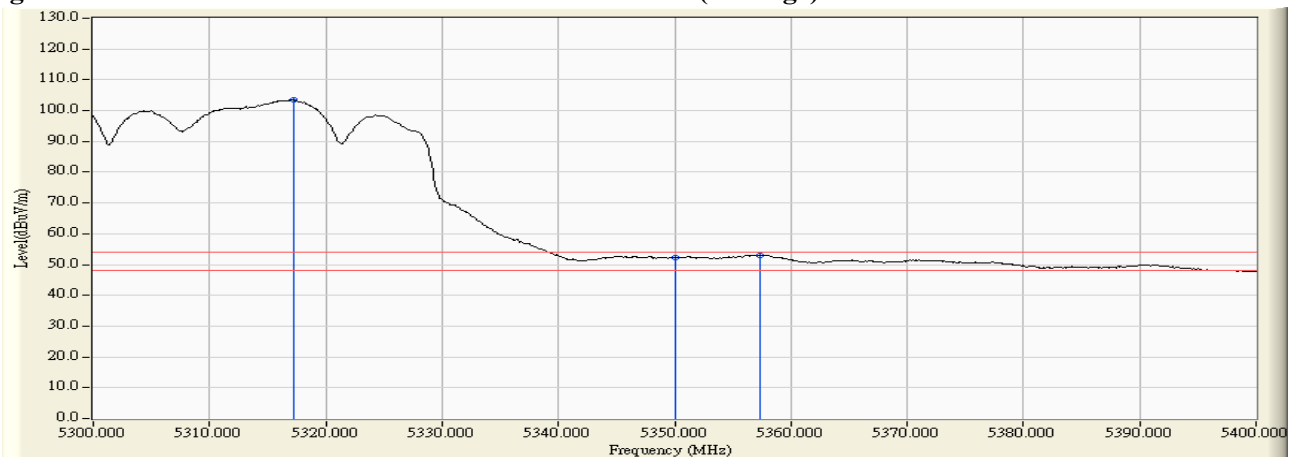
Figure Channel 58: Horizontal (Peak)

Figure Channel 58: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 58 (Antenna No.8)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
58 (Peak)	5316.500	13.020	99.508	112.528	--	--	--
58 (Peak)	5350.000	12.999	49.987	62.986	74.00	54.00	Pass
58 (Peak)	5356.900	12.994	52.534	65.528	74.00	54.00	Pass
58 (Average)	5317.200	13.019	90.662	103.681	--	--	--
58 (Average)	5350.000	12.999	39.124	52.123	74.00	54.00	Pass
58 (Average)	5357.400	12.994	40.060	53.054	74.00	54.00	Pass

Figure Channel 58:**Vertical (Peak)****Figure Channel 58:****Vertical (Average)**

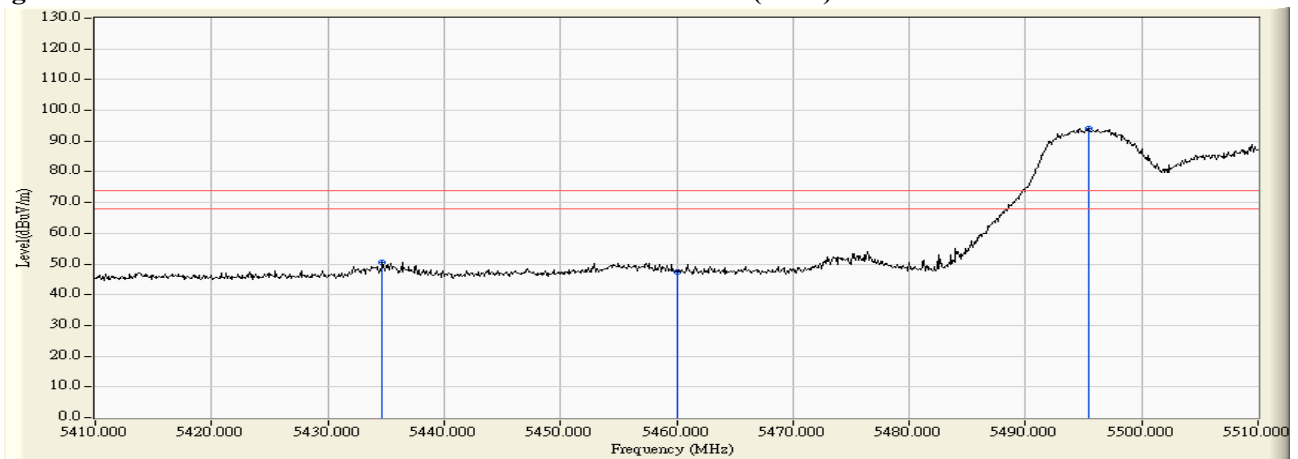
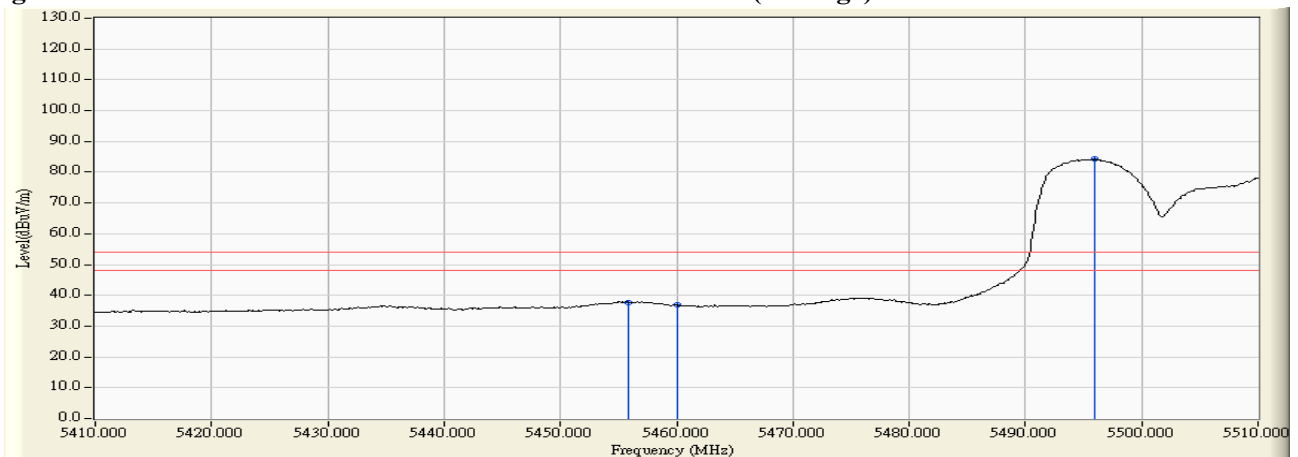
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 106 (Antenna No.8)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5434.700	11.363	39.043	50.406	74.00	54.00	Pass
106 (Peak)	5460.000	11.703	35.594	47.297	74.00	54.00	Pass
106 (Peak)	5495.400	12.136	82.082	94.218	--	--	--
106 (Average)	5455.800	11.646	26.059	37.705	74.00	54.00	Pass
106 (Average)	5460.000	11.703	25.104	36.807	74.00	54.00	Pass
106 (Average)	5495.900	12.140	72.075	84.215	--	--	--

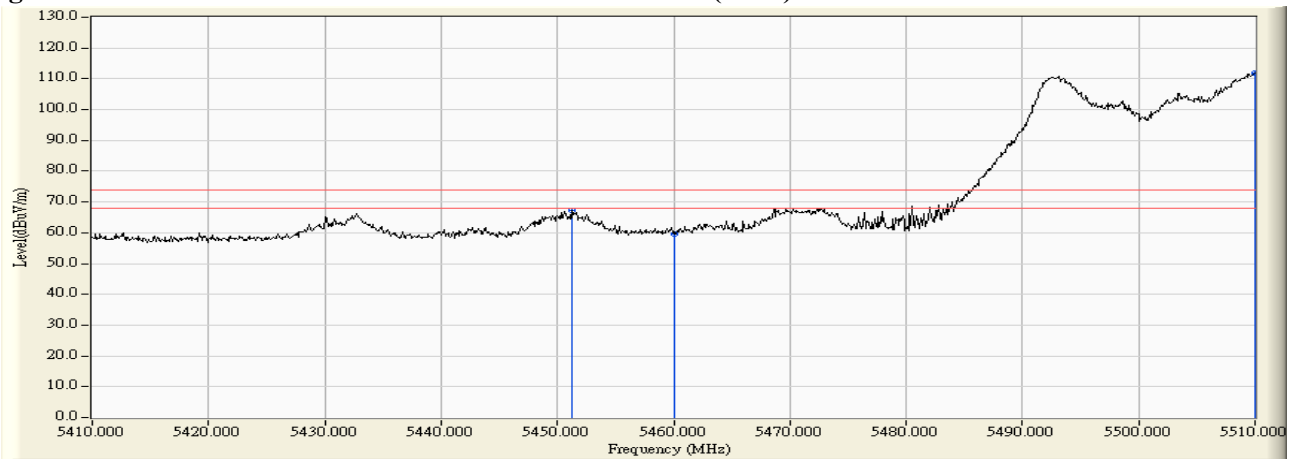
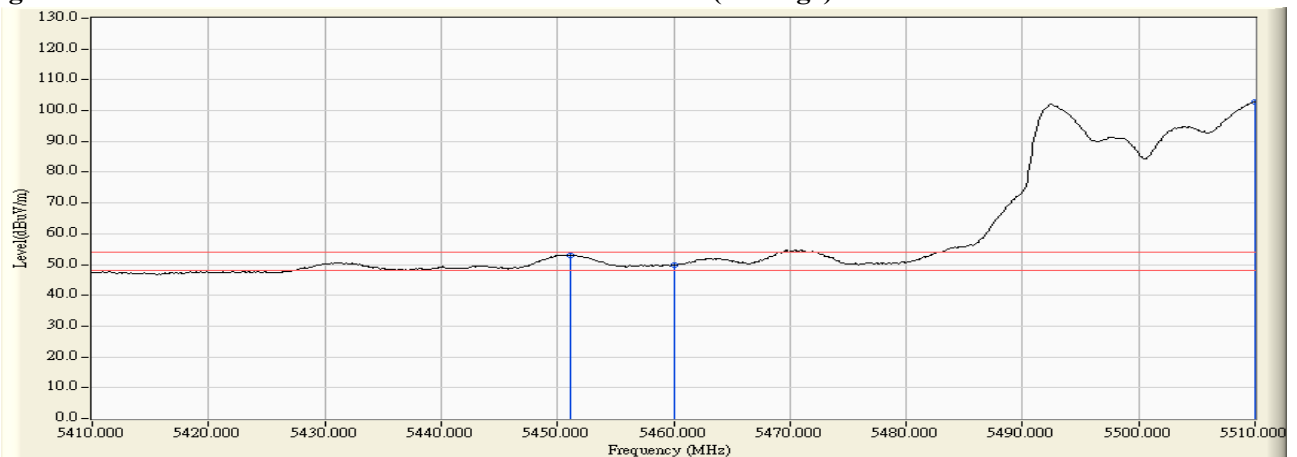
Figure Channel 106: Horizontal (Peak)

Figure Channel 106: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 106 (Antenna No.8)

RF Radiated Measurement (Vertical):

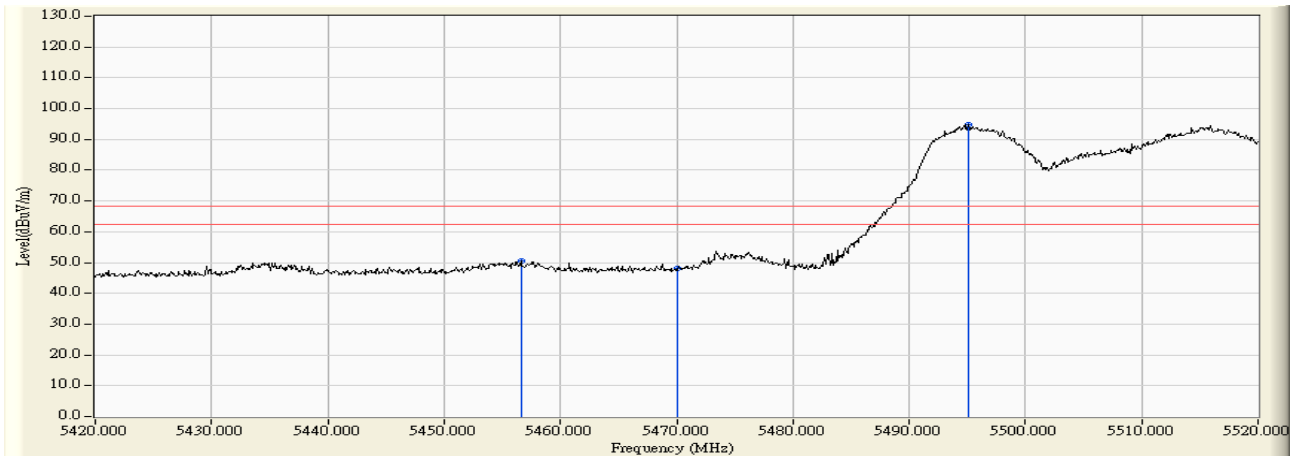
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
106 (Peak)	5451.200	13.328	53.768	67.095	74.00	54.00	Pass
106 (Peak)	5460.000	13.390	46.203	59.593	74.00	54.00	Pass
106 (Peak)	5510.000	13.613	98.127	111.740	--	--	--
106 (Average)	5451.100	13.326	39.783	53.110	74.00	54.00	Pass
106 (Average)	5460.000	13.390	36.418	49.808	74.00	54.00	Pass
106 (Average)	5510.000	13.613	89.137	102.750	--	--	--

Figure Channel 106:**Vertical (Peak)****Figure Channel 106:****Vertical (Average)**

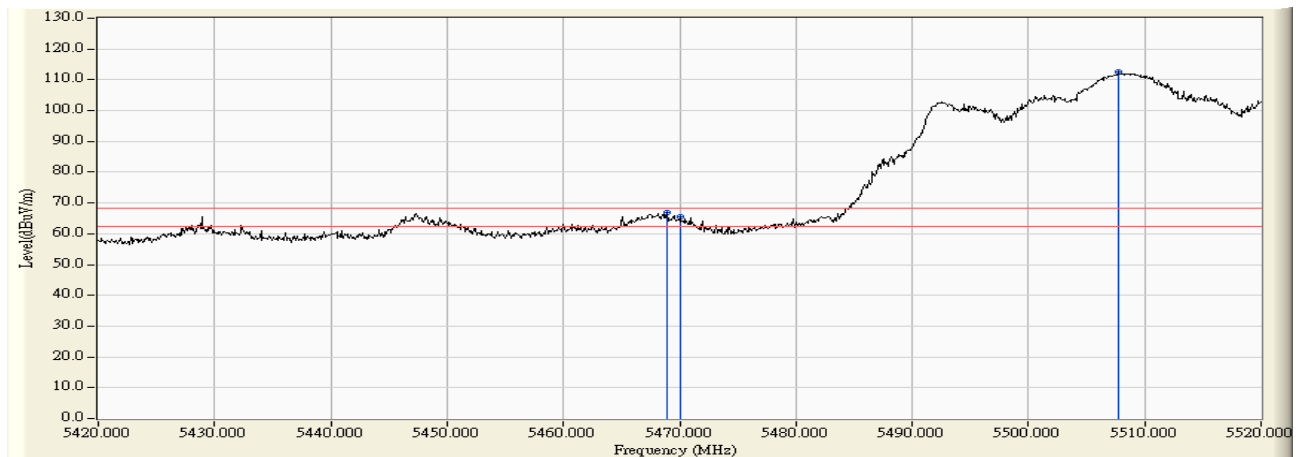
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps) -Channel 106 (Antenna No.8)

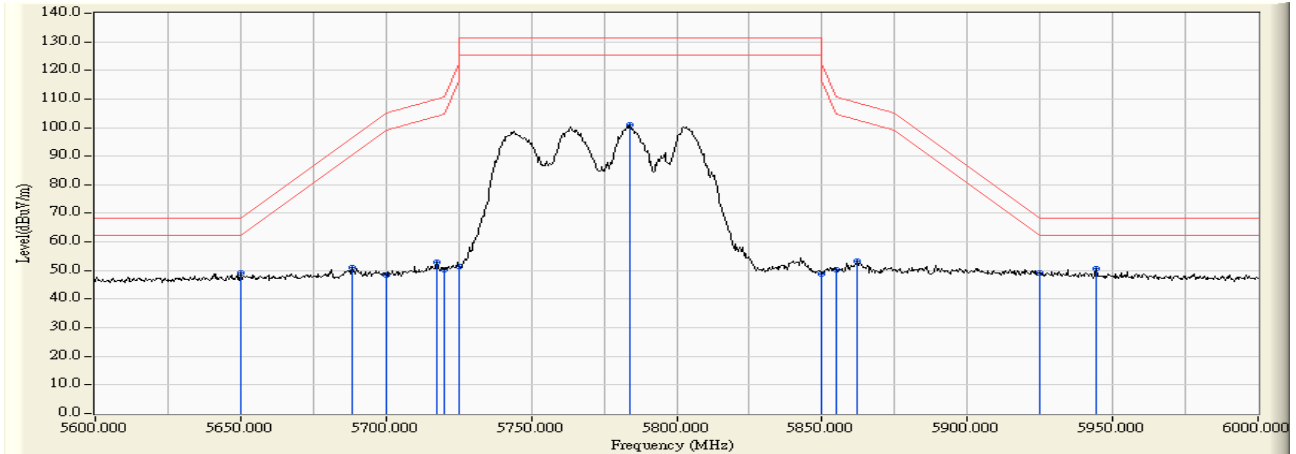
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5456.600	11.658	38.734	50.391	-17.829	68.220	Pass
Horizontal	5470.000	11.838	36.113	47.951	-20.269	68.220	Pass
Horizontal	5495.100	12.135	82.557	94.691	26.471	68.220	Pass

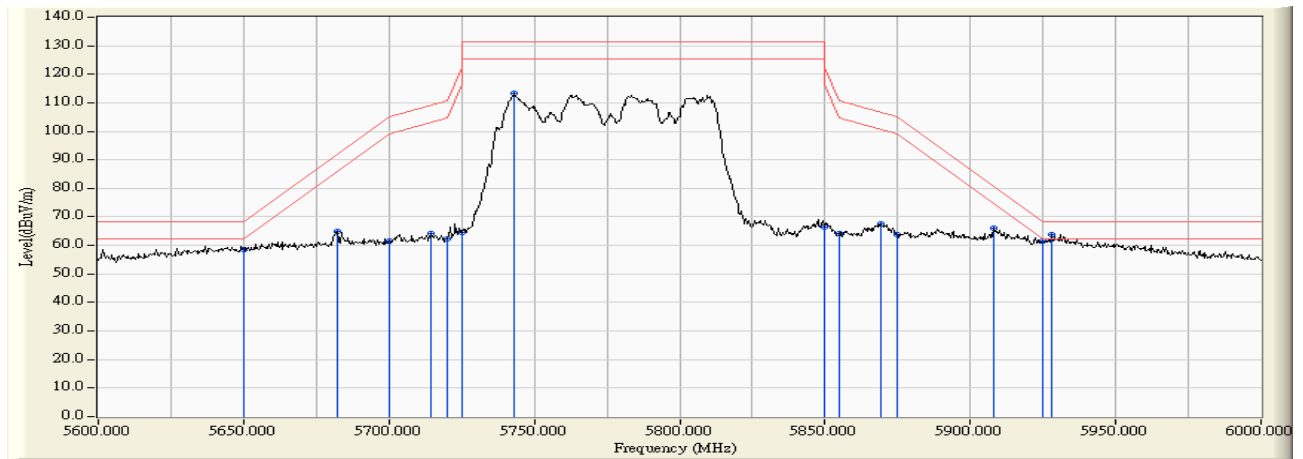


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5468.900	13.455	53.520	66.974	-1.246	68.220	Pass
Vertical	5470.000	13.462	52.099	65.561	-2.659	68.220	Pass
Vertical	5507.700	13.628	98.917	112.544	44.324	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/06/04
 Test Mode : Mode 6: Transmit (802.11ac-80BW-130Mbps)-Channel 155 (Antenna No.8)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5650.000	11.554	37.638	49.193	-19.027	68.220	Pass
Horizontal	5688.400	11.644	39.489	51.133	-45.488	96.621	Pass
Horizontal	5700.000	11.647	36.712	48.359	-56.841	105.200	Pass
Horizontal	5717.600	11.614	41.275	52.889	-57.239	110.128	Pass
Horizontal	5720.000	11.607	38.716	50.323	-60.477	110.800	Pass
Horizontal	5725.000	11.592	39.962	51.554	-70.646	122.200	Pass
Horizontal	5784.000	11.405	89.498	100.903	-30.297	131.200	Pass
Horizontal	5850.000	11.701	37.246	48.947	-73.253	122.200	Pass
Horizontal	5855.000	11.735	38.536	50.271	-60.529	110.800	Pass
Horizontal	5862.000	11.783	41.501	53.284	-55.556	108.840	Pass
Horizontal	5925.000	12.068	37.040	49.109	-19.091	68.200	Pass
Horizontal	5944.400	12.086	38.411	50.497	-17.703	68.200	Pass

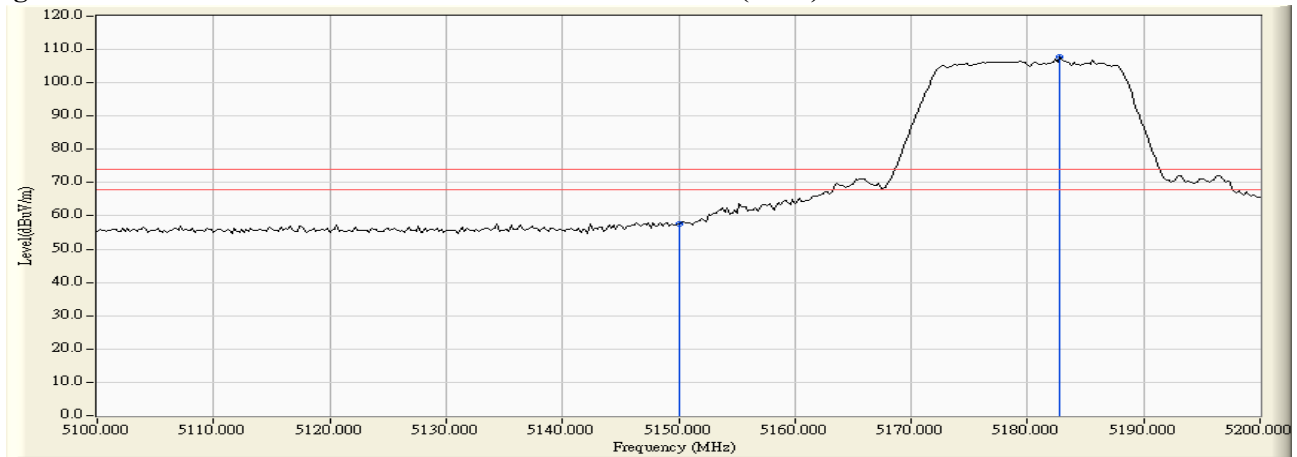
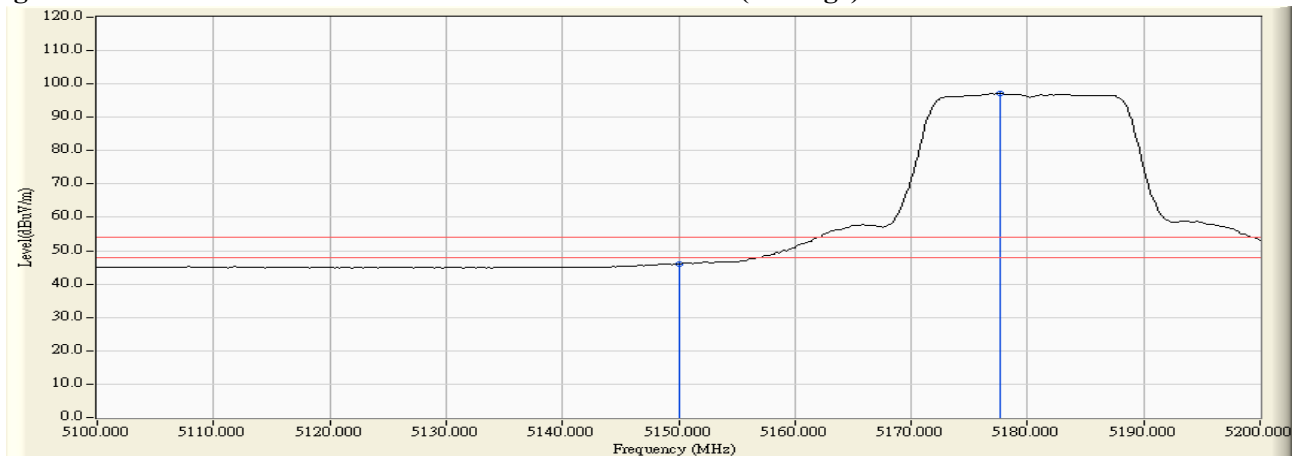


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5650.000	13.029	45.512	58.541	-9.679	68.220	Pass
Vertical	5682.000	13.022	51.933	64.954	-26.933	91.887	Pass
Vertical	5700.000	13.003	48.723	61.726	-43.474	105.200	Pass
Vertical	5714.400	12.965	51.139	64.105	-45.127	109.232	Pass
Vertical	5720.000	12.947	49.231	62.178	-48.622	110.800	Pass
Vertical	5725.000	12.930	51.478	64.408	-57.792	122.200	Pass
Vertical	5743.200	12.866	100.457	113.324	-17.876	131.200	Pass
Vertical	5850.000	12.774	53.630	66.404	-55.796	122.200	Pass
Vertical	5855.000	12.784	51.343	64.127	-46.673	110.800	Pass
Vertical	5869.200	12.813	54.656	67.469	-39.355	106.824	Pass
Vertical	5875.000	12.825	50.845	63.670	-41.530	105.200	Pass
Vertical	5908.000	12.888	53.065	65.953	-14.827	80.780	Pass
Vertical	5925.000	12.911	48.493	61.404	-6.796	68.200	Pass
Vertical	5928.000	12.916	51.046	63.962	-4.238	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5150.000	10.470	47.065	57.536	74.00	54.00	Pass
36 (Peak)	5182.800	10.386	97.348	107.734	--	--	--
36 (Average)	5150.000	10.470	35.525	45.996	74.00	54.00	Pass
36 (Average)	5177.600	10.400	86.667	97.067	--	--	--

Figure Channel 36:
Horizontal (Peak)

Figure Channel 36:
Horizontal (Average)


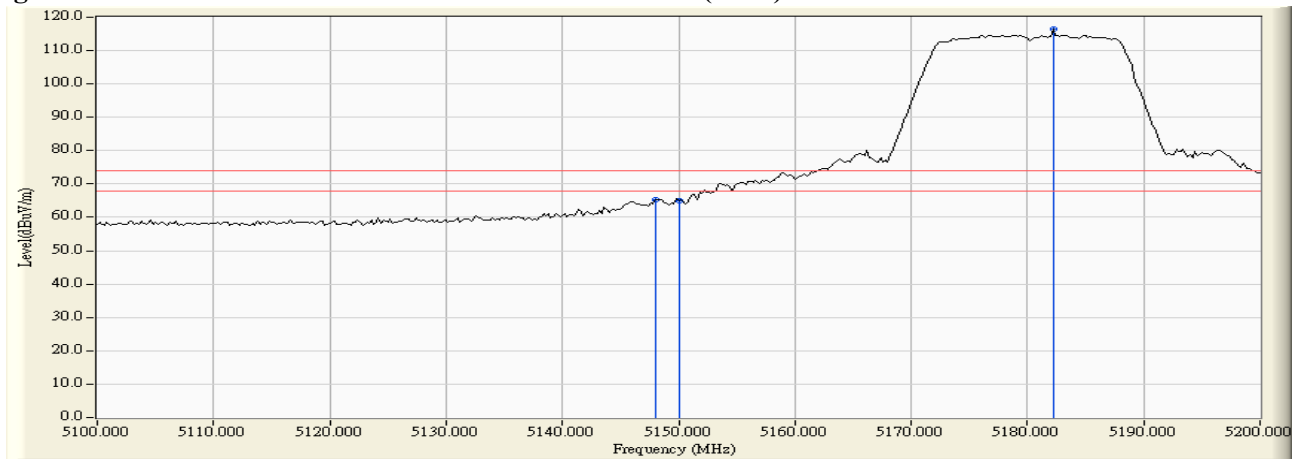
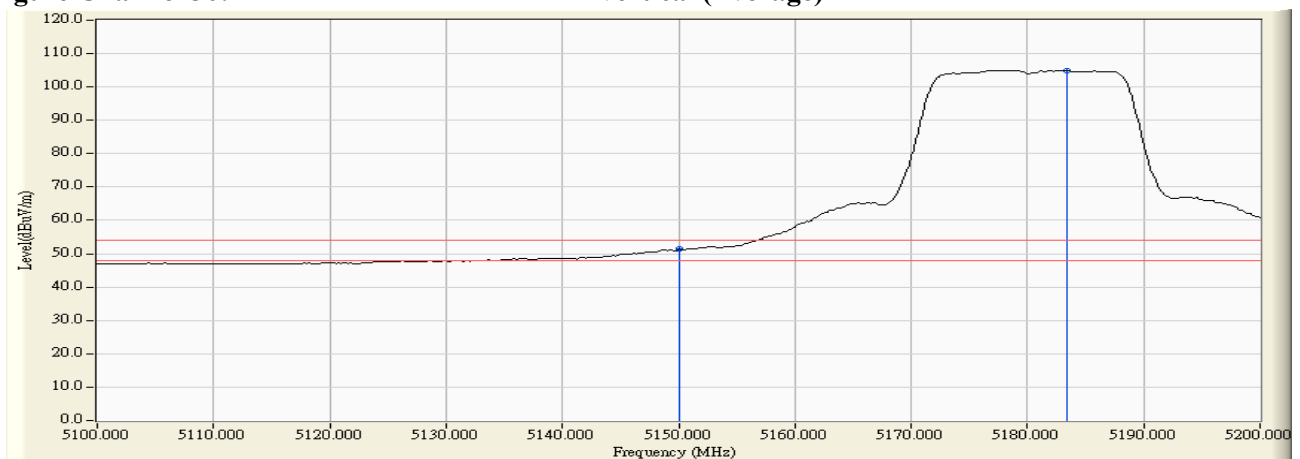
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36 (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
36 (Peak)	5148.000	12.382	52.855	65.238	74.00	54.00	Pass
36 (Peak)	5150.000	12.390	52.736	65.126	74.00	54.00	Pass
36 (Peak)	5182.200	12.509	103.883	116.392	--	--	--
36 (Average)	5150.000	12.390	38.930	51.320	74.00	54.00	Pass
36 (Average)	5183.400	12.514	92.490	105.004	--	--	--

Figure Channel 36:**Vertical (Peak)****Figure Channel 36:****Vertical (Average)**

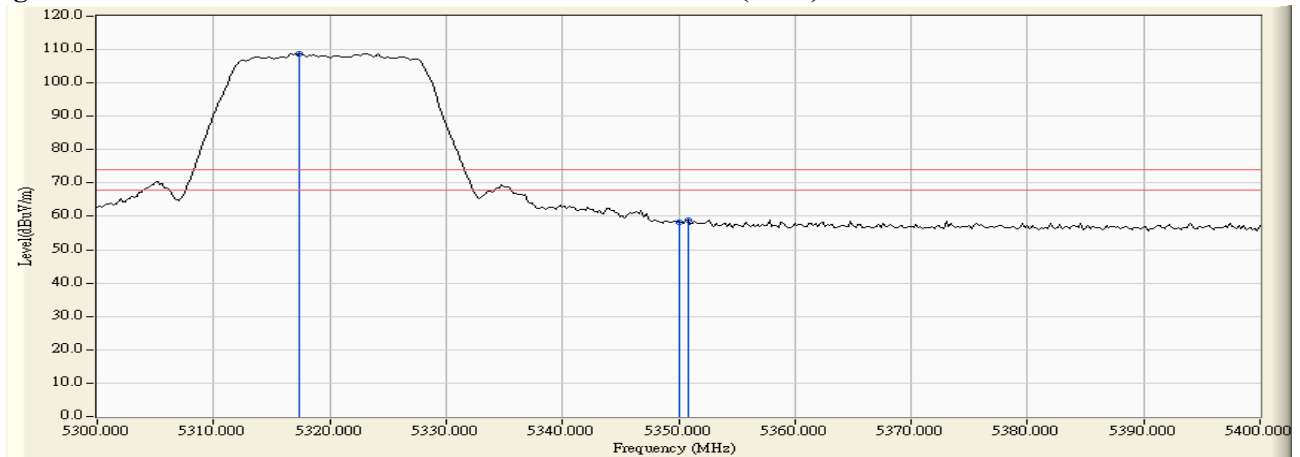
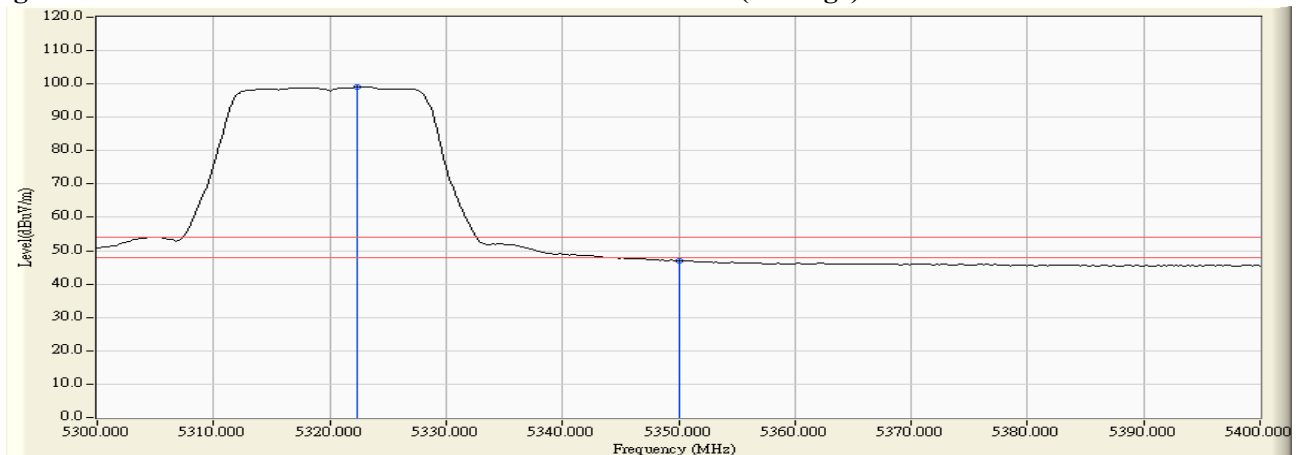
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5317.400	11.107	97.741	108.848	--	--	--
64 (Peak)	5350.000	11.024	47.105	58.129	74.00	54.00	Pass
64 (Peak)	5350.800	11.023	47.821	58.843	74.00	54.00	Pass
64 (Average)	5322.400	11.095	88.106	99.201	--	--	--
64 (Average)	5350.000	11.024	35.958	46.982	74.00	54.00	Pass

Figure Channel 64: Horizontal (Peak)

Figure Channel 64: Horizontal (Average)


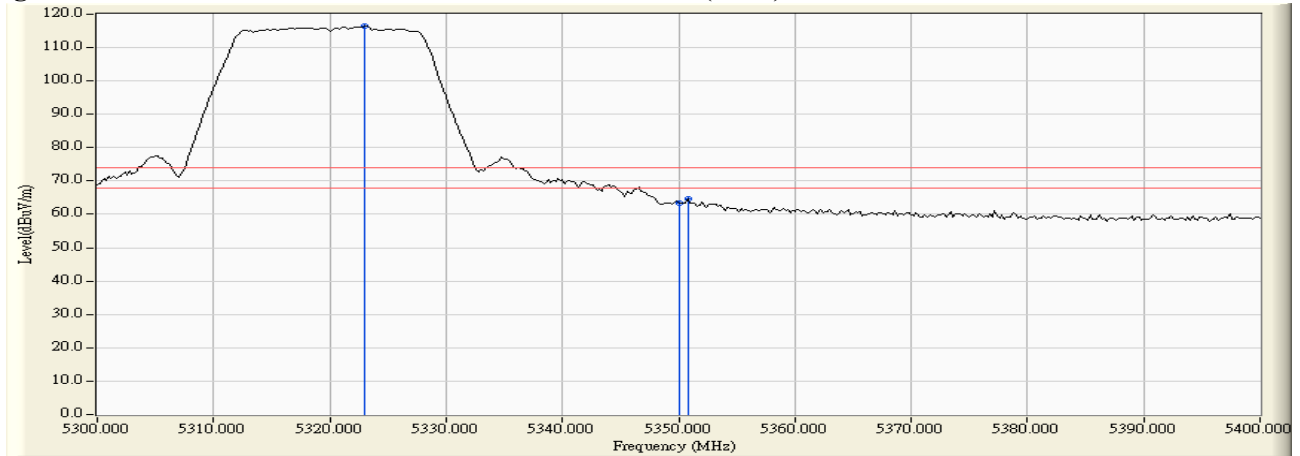
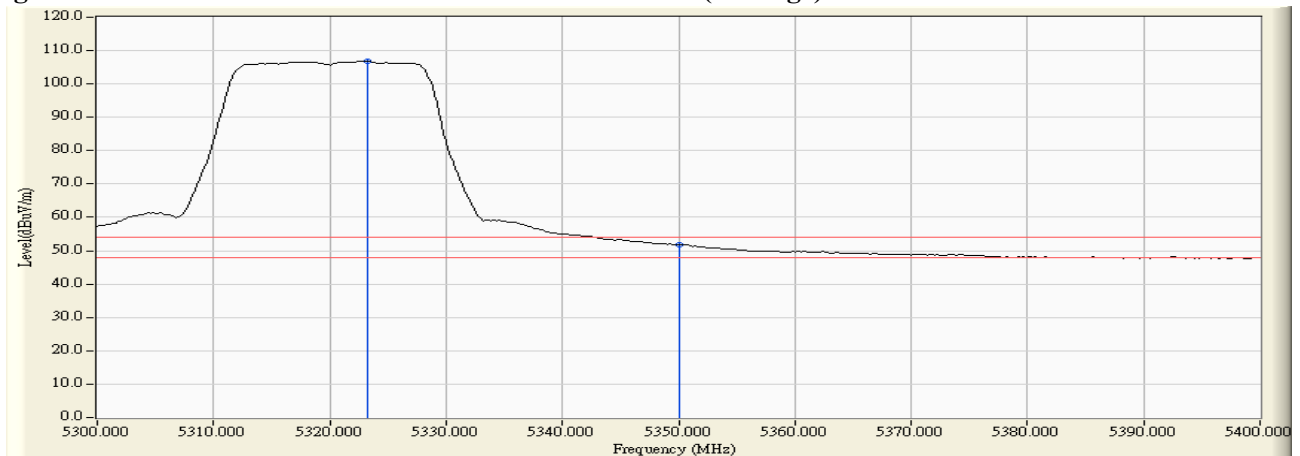
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5323.000	13.016	103.449	116.465	--	--	--
64 (Peak)	5350.000	12.999	50.412	63.411	74.00	54.00	Pass
64 (Peak)	5350.800	12.999	51.658	64.657	74.00	54.00	Pass
64 (Average)	5323.200	13.016	93.775	106.790	--	--	--
64 (Average)	5350.000	12.999	38.759	51.758	74.00	54.00	Pass

Figure Channel 64:**Vertical (Peak)****Figure Channel 64:****Vertical (Average)**

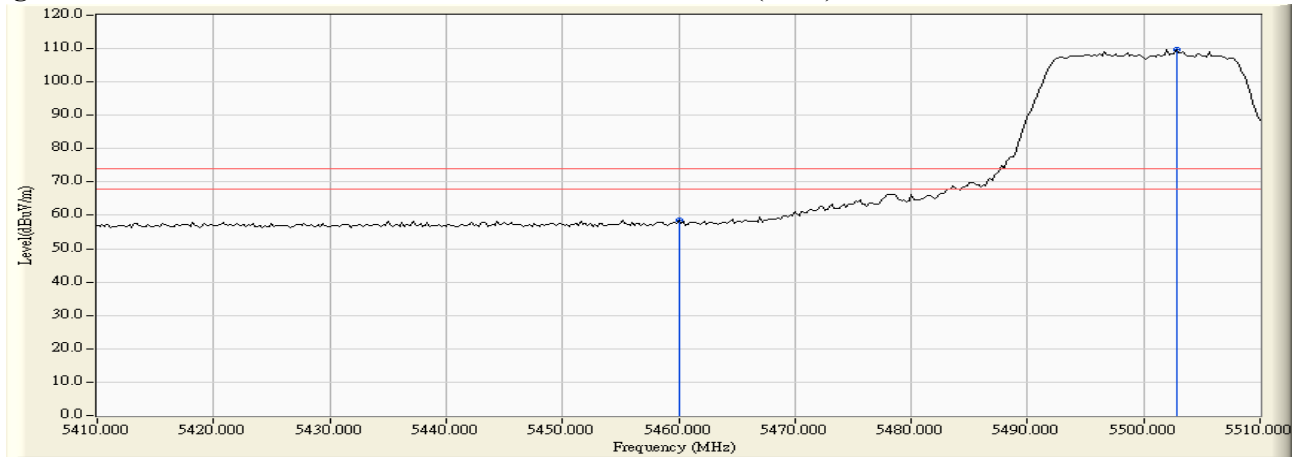
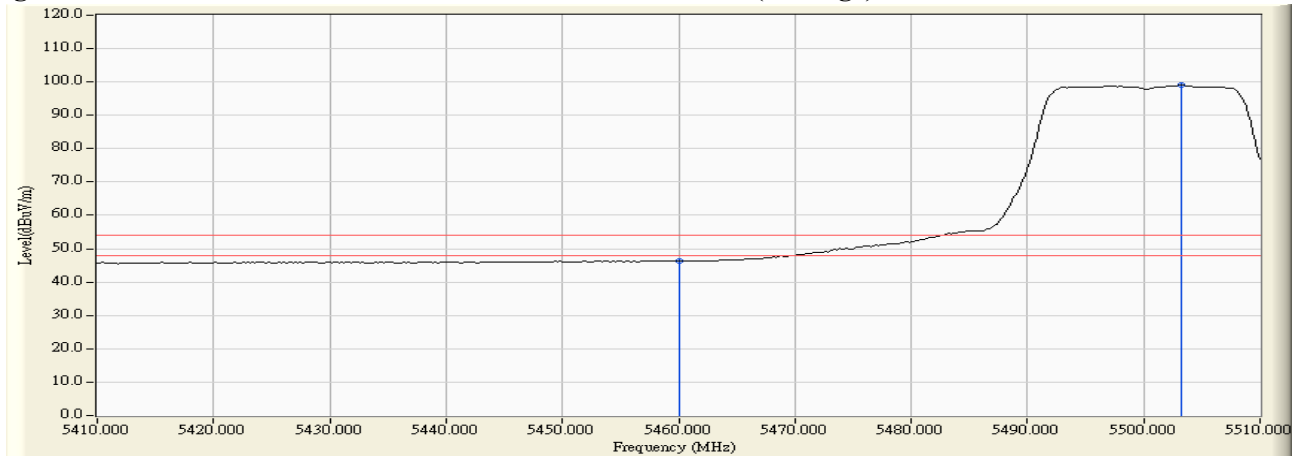
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
100 (Peak)	5460.000	11.703	46.944	58.647	74.00	54.00	Pass
100 (Peak)	5502.800	12.189	97.618	109.806	--	--	--
100 (Average)	5460.000	11.703	34.567	46.270	74.00	54.00	Pass
100 (Average)	5503.200	12.191	86.825	99.016	--	--	--

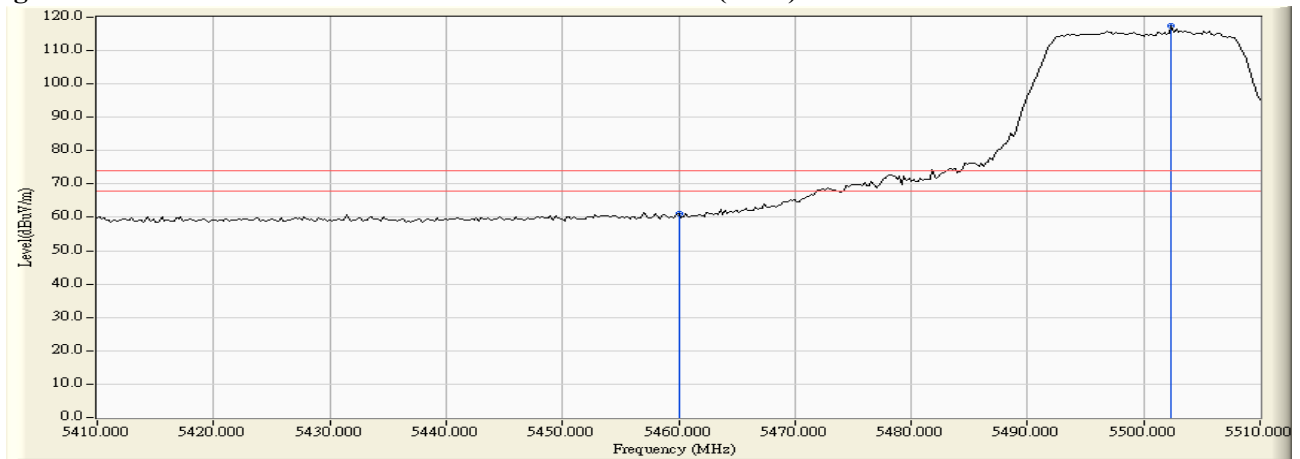
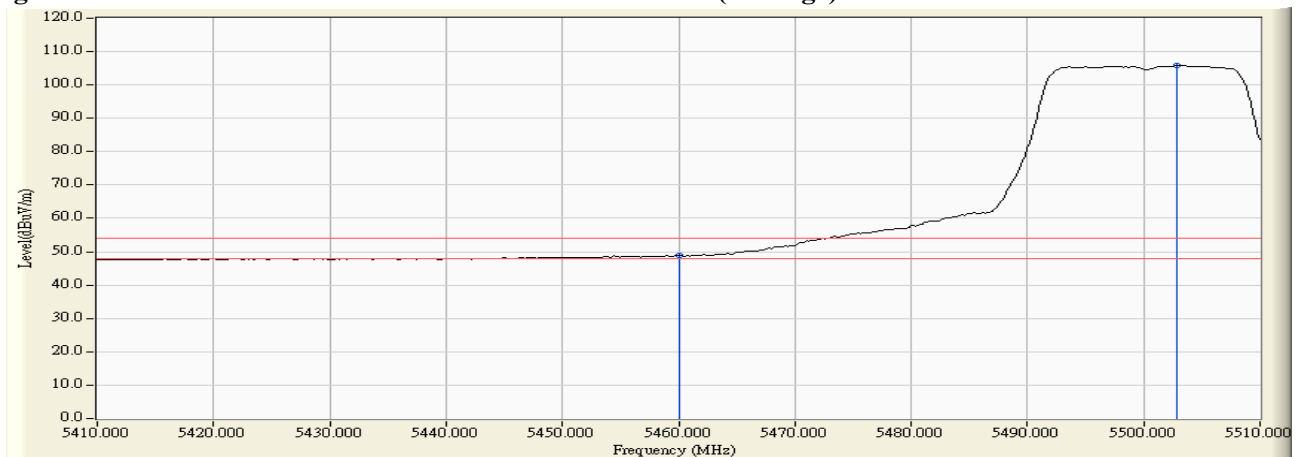
Figure Channel 100: Horizontal (Peak)**Figure Channel 100: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.17)

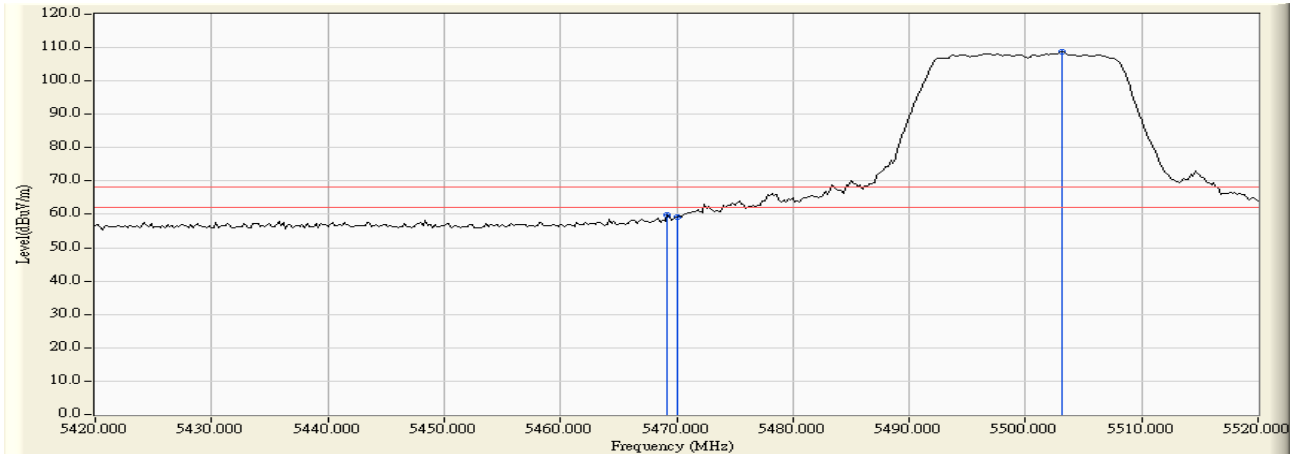
RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
100 (Peak)	5460.000	13.390	47.588	60.978	74.00	54.00	Pass
100 (Peak)	5502.400	13.637	103.689	117.326	--	--	--
100 (Average)	5460.000	13.390	35.355	48.745	74.00	54.00	Pass
100 (Average)	5502.800	13.638	92.269	105.907	--	--	--

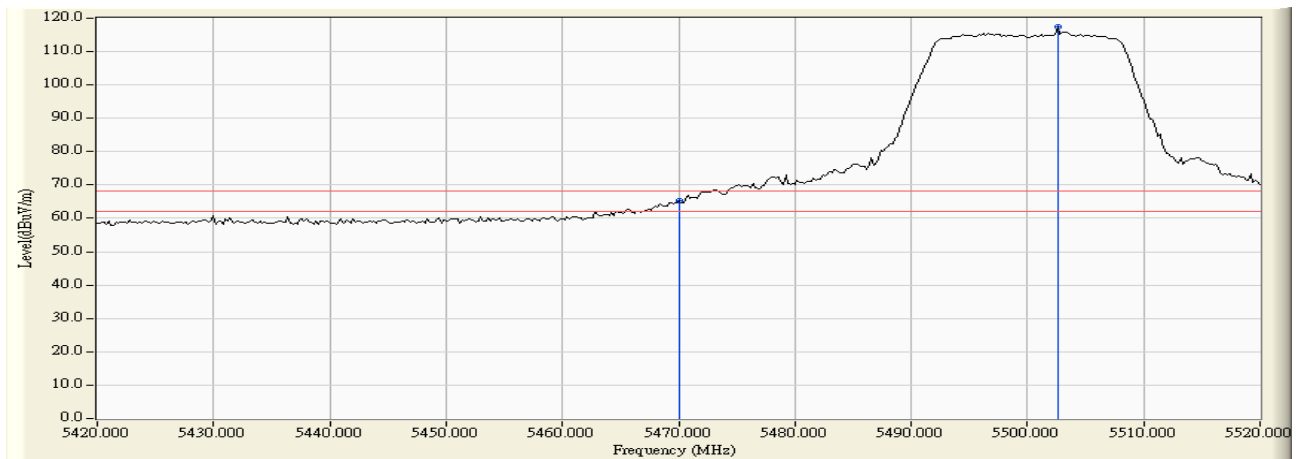
Figure Channel 100: Vertical (Peak)**Figure Channel 100: Vertical (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (Antenna No.17)

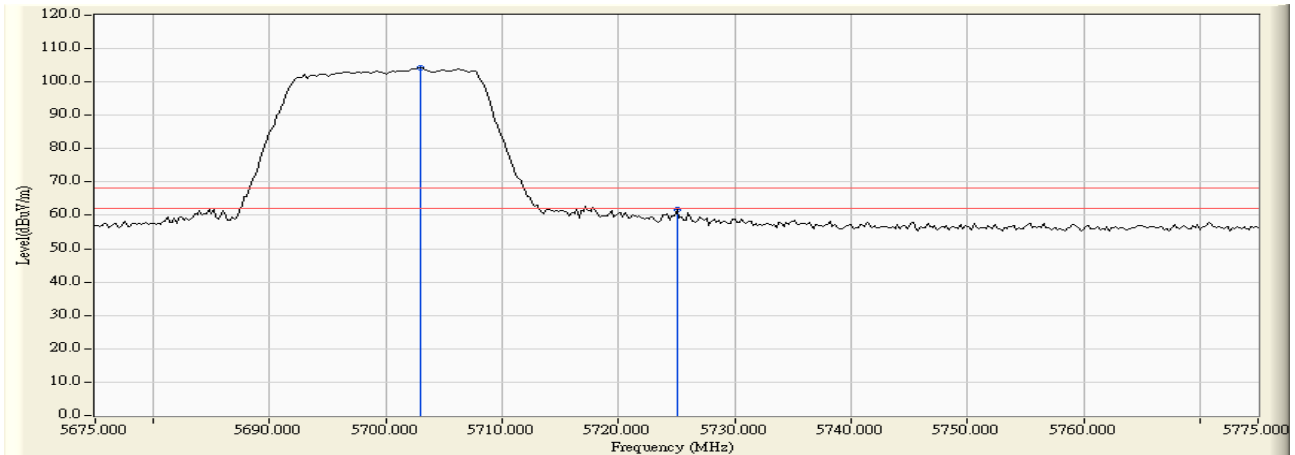
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5469.200	11.827	48.069	59.897	-8.323	68.220	Pass
Horizontal	5470.000	11.838	47.316	59.154	-9.066	68.220	Pass
Horizontal	5503.200	12.191	96.573	108.764	40.544	68.220	Pass

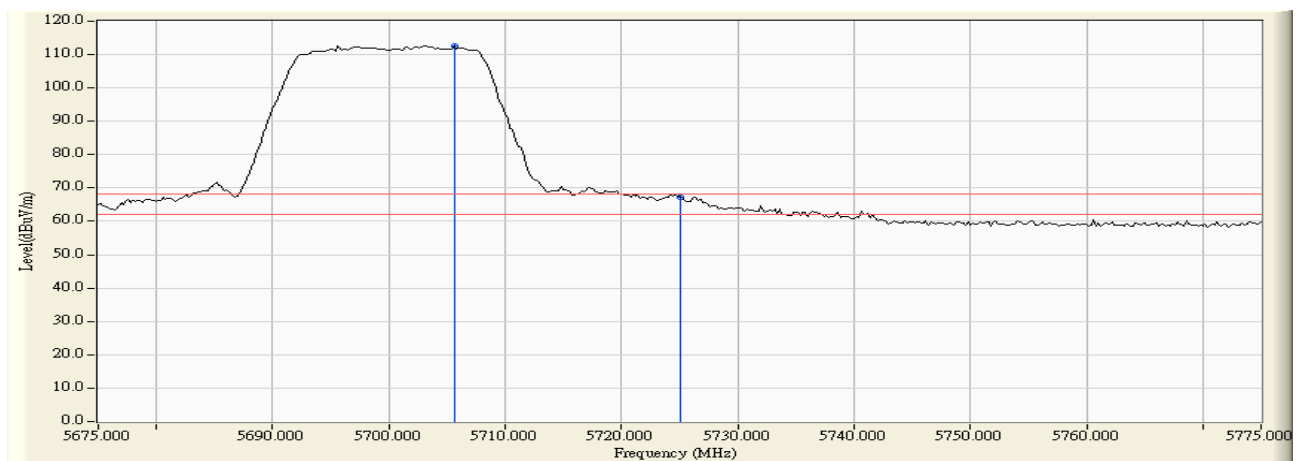


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5470.000	13.462	51.735	65.197	-3.023	68.220	Pass
Vertical	5502.600	13.638	103.659	117.296	49.076	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140 (Antenna No.17)

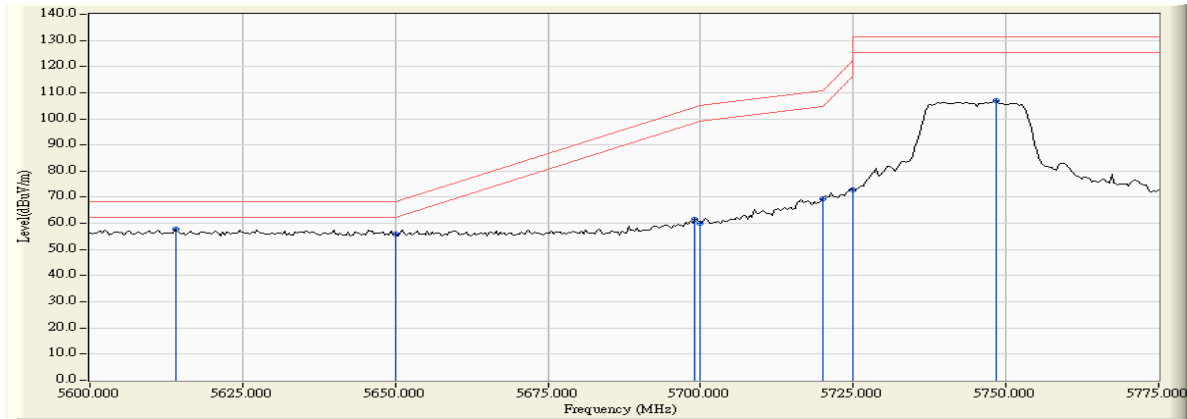
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5703.000	11.646	92.604	104.249	36.029	68.220	Pass
Horizontal	5725.000	11.592	50.305	61.897	-6.323	68.220	Pass

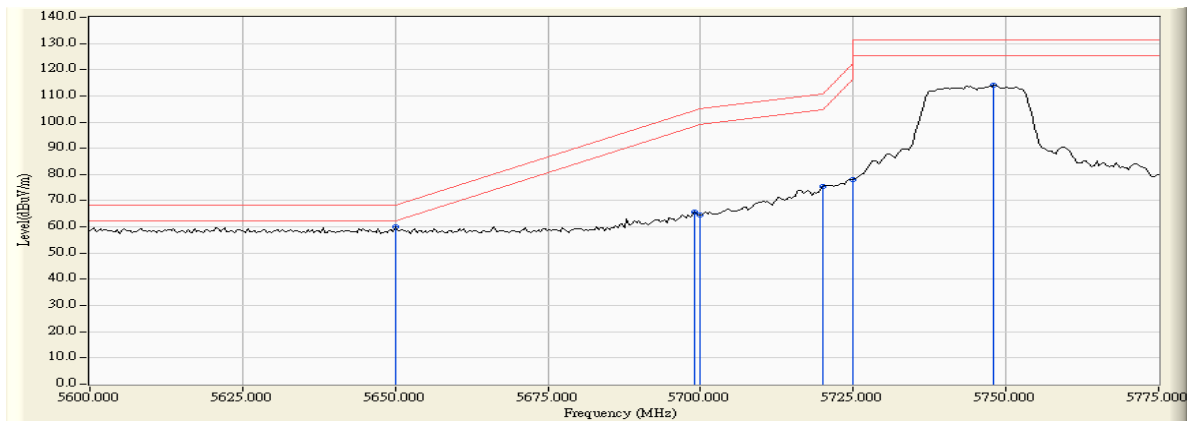


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5705.600	12.992	99.765	112.757	44.537	68.220	Pass
Vertical	5725.000	12.930	54.221	67.151	-1.069	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 149 (Antenna No.17)

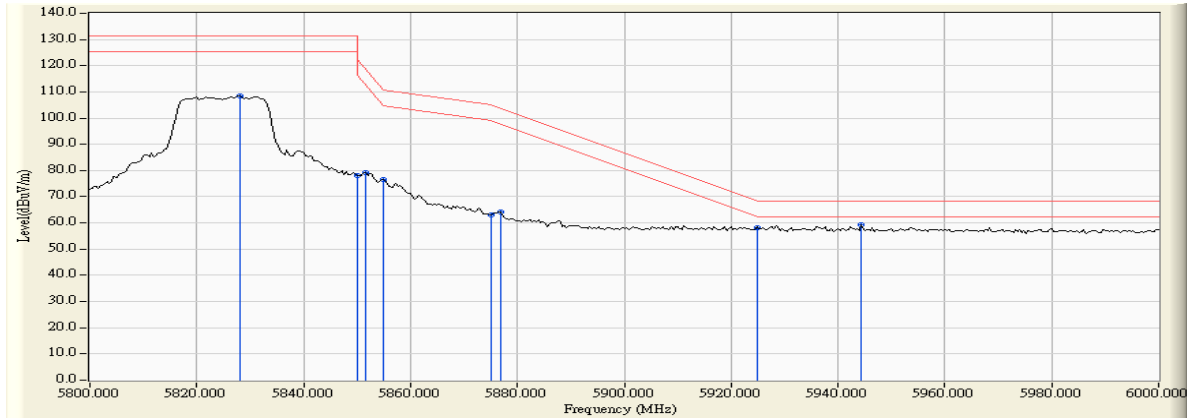
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5614.000	11.469	46.301	57.771	-10.449	68.220	Pass
Horizontal	5650.000	11.554	44.434	55.989	-12.231	68.220	Pass
Horizontal	5699.050	11.648	49.871	61.519	-42.978	104.497	Pass
Horizontal	5700.000	11.647	48.488	60.135	-45.065	105.200	Pass
Horizontal	5720.000	11.607	57.969	69.576	-41.224	110.800	Pass
Horizontal	5725.000	11.592	61.100	72.692	-49.508	122.200	Pass
Horizontal	5748.400	11.517	95.280	106.797	-24.403	131.200	Pass

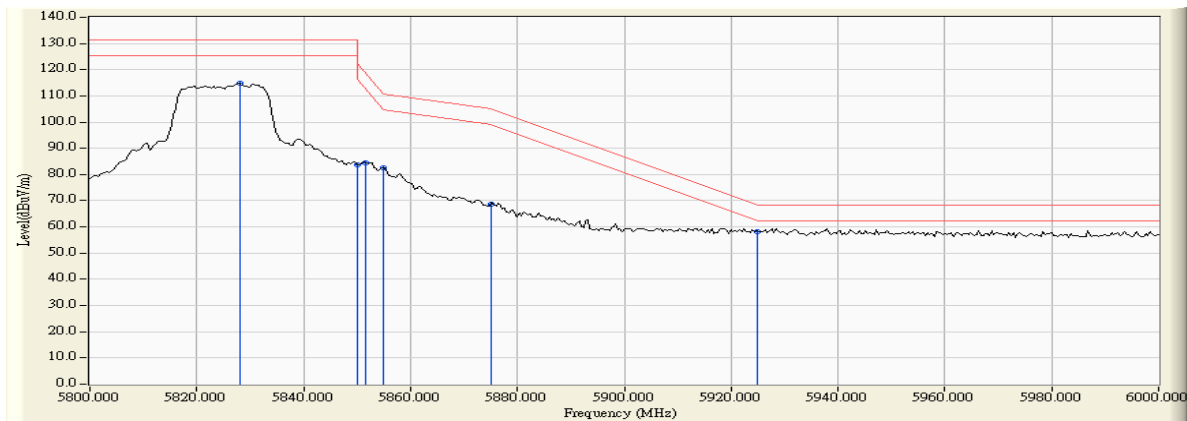


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5650.000	13.029	46.856	59.885	-8.335	68.220	Pass
Vertical	5699.050	13.005	52.521	65.526	-38.971	104.497	Pass
Vertical	5700.000	13.003	51.556	64.559	-40.641	105.200	Pass
Vertical	5720.000	12.947	62.491	75.438	-35.362	110.800	Pass
Vertical	5725.000	12.930	65.259	78.189	-44.011	122.200	Pass
Vertical	5748.050	12.850	101.173	114.022	-17.178	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 165 (Antenna No.17)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5828.000	11.549	97.072	108.620	-22.580	131.200	Pass
Horizontal	5850.000	11.701	66.203	77.904	-44.296	122.200	Pass
Horizontal	5851.600	11.711	67.480	79.192	-39.360	118.552	Pass
Horizontal	5855.000	11.735	64.737	76.472	-34.328	110.800	Pass
Horizontal	5875.000	11.873	51.245	63.118	-42.082	105.200	Pass
Horizontal	5876.800	11.885	52.183	64.069	-39.799	103.868	Pass
Horizontal	5925.000	12.068	46.076	58.145	-10.055	68.200	Pass
Horizontal	5944.400	12.086	47.182	59.268	-8.932	68.200	Pass

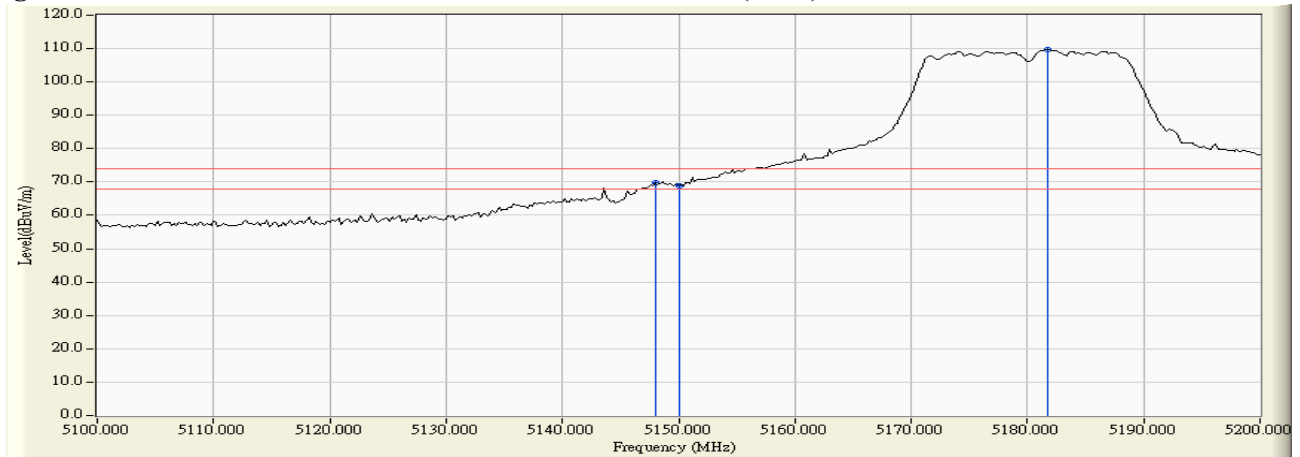
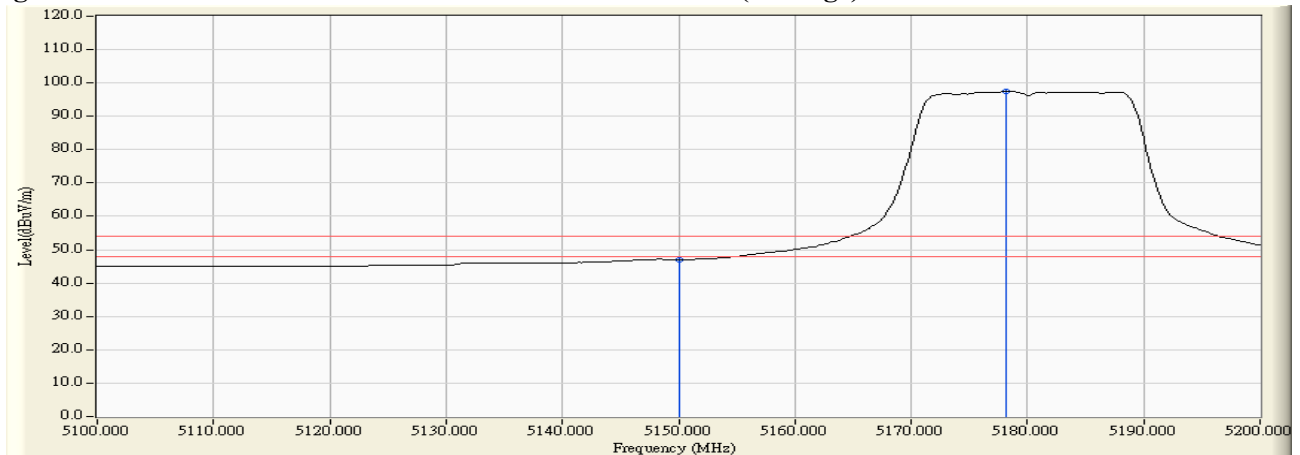


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5828.000	12.728	102.032	114.759	-16.441	131.200	Pass
Vertical	5850.000	12.774	70.895	83.669	-38.531	122.200	Pass
Vertical	5851.600	12.776	71.816	84.593	-33.959	118.552	Pass
Vertical	5855.000	12.784	69.796	82.580	-28.220	110.800	Pass
Vertical	5875.000	12.825	55.821	68.646	-36.554	105.200	Pass
Vertical	5925.000	12.911	45.375	58.286	-9.914	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 36 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5148.000	10.475	59.335	69.811	74.00	54.00	Pass
36 (Peak)	5150.000	10.470	58.366	68.837	74.00	54.00	Pass
36 (Peak)	5181.800	10.388	99.205	109.594	--	--	--
36 (Average)	5150.000	10.470	36.443	46.914	74.00	54.00	Pass
36 (Average)	5178.200	10.398	87.107	97.505	--	--	--

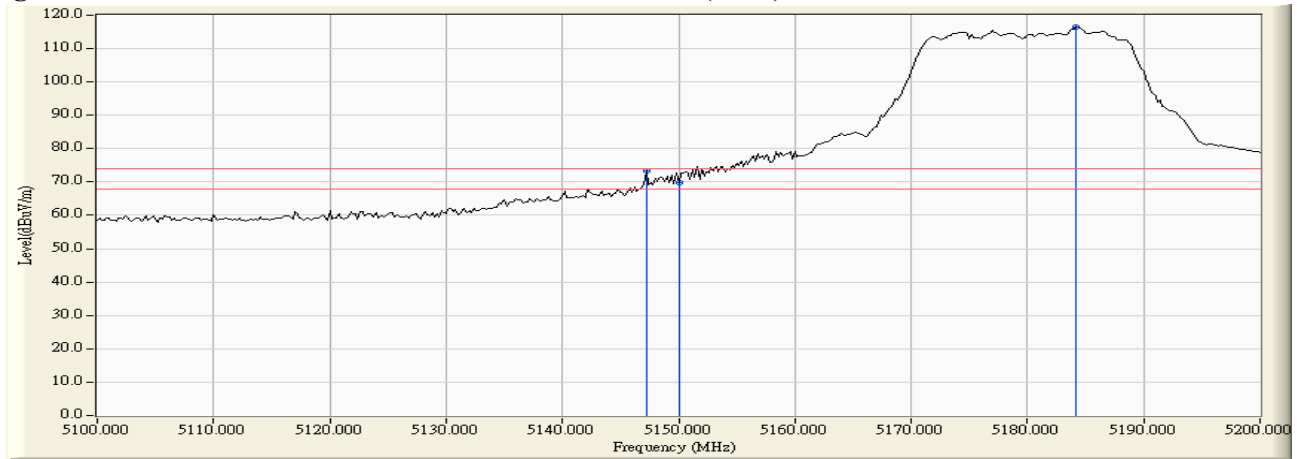
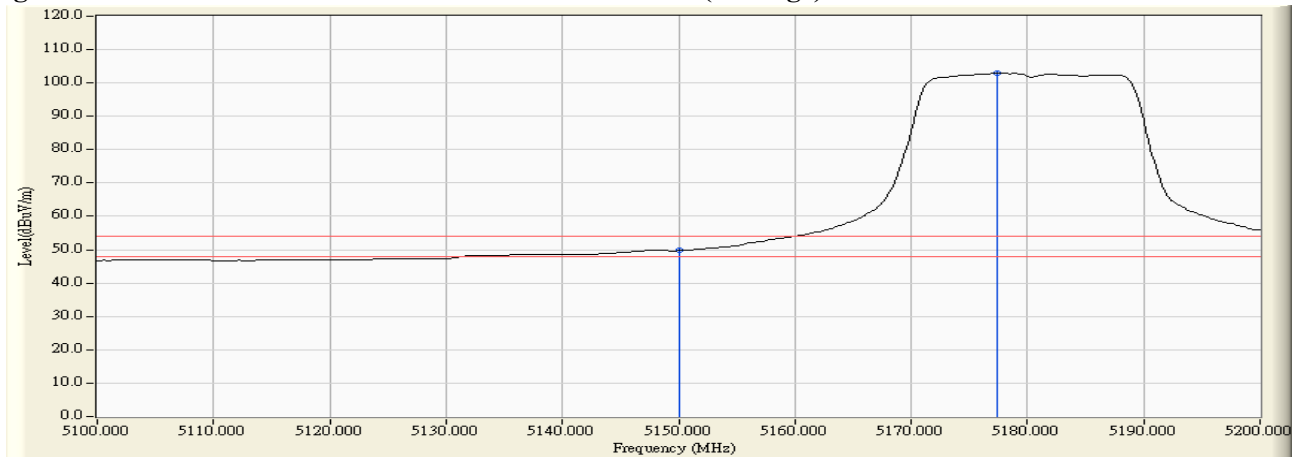
Figure Channel 36: Horizontal (Peak)

Figure Channel 36: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 36 (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
36 (Peak)	5147.200	12.380	61.116	73.496	74.00	54.00	Pass
36 (Peak)	5150.000	12.390	57.372	69.762	74.00	54.00	Pass
36 (Peak)	5184.200	12.516	104.013	116.530	--	--	--
36 (Average)	5150.000	12.390	37.328	49.718	74.00	54.00	Pass
36 (Average)	5177.400	12.493	90.344	102.836	--	--	--

Figure Channel 36: Vertical (Peak)

Figure Channel 36: Vertical (Average)


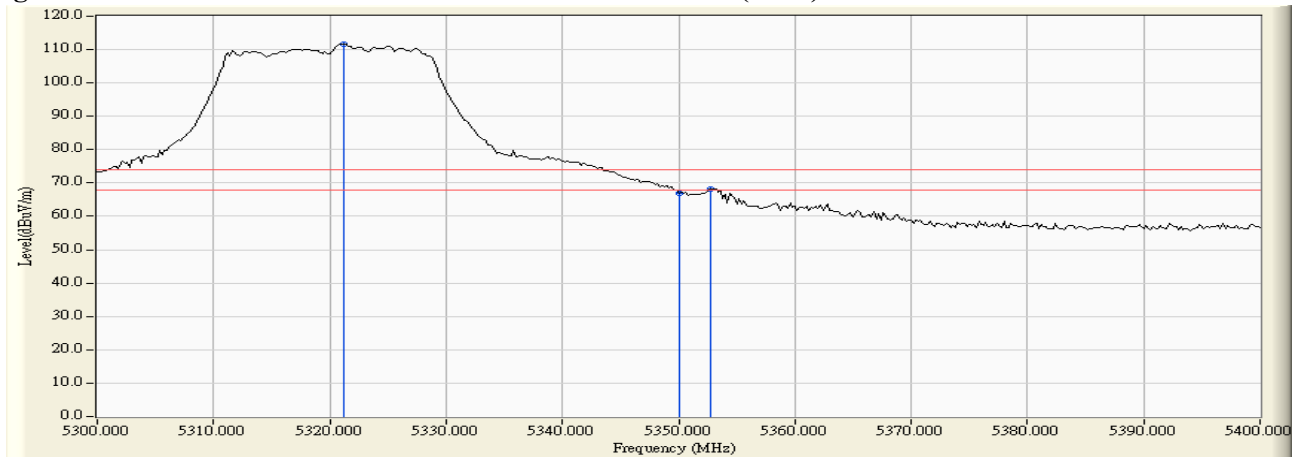
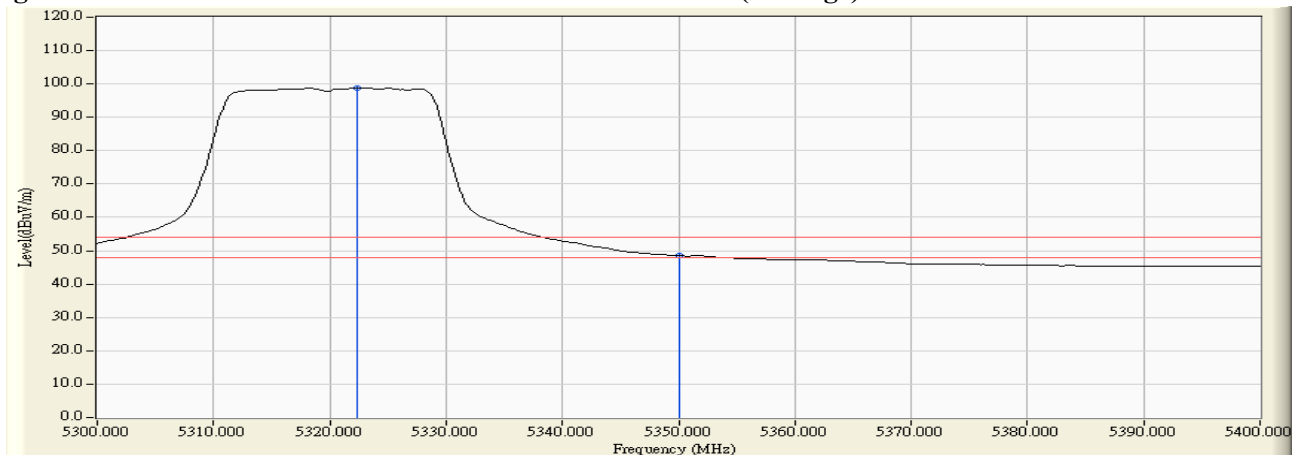
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 64 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5321.200	11.098	100.591	111.689	--	--	--
64 (Peak)	5350.000	11.024	56.029	67.053	74.00	54.00	Pass
64 (Peak)	5352.800	11.016	57.315	68.332	74.00	54.00	Pass
64 (Average)	5322.400	11.095	87.791	98.886	--	--	--
64 (Average)	5350.000	11.024	37.481	48.505	74.00	54.00	Pass

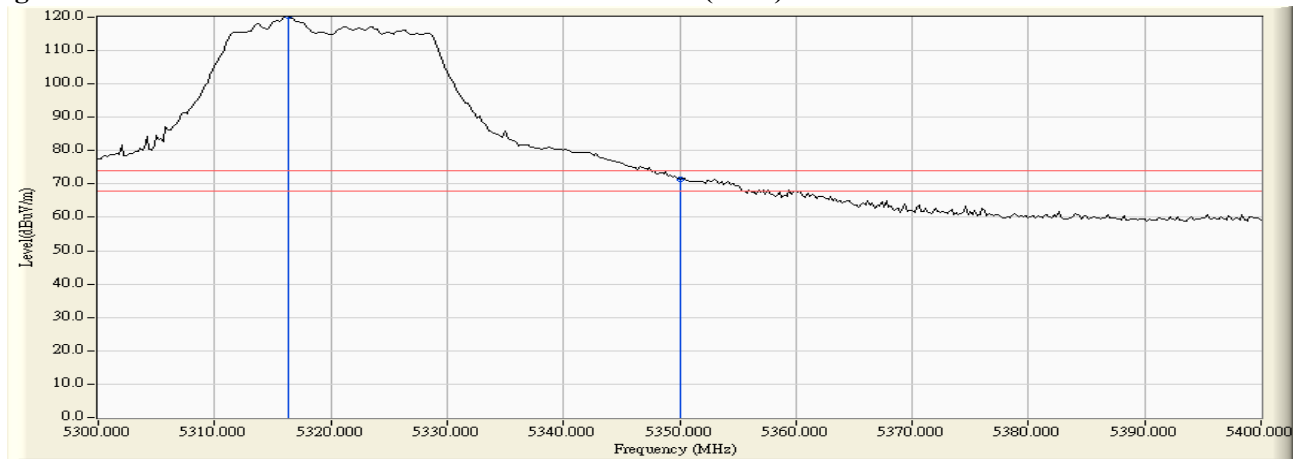
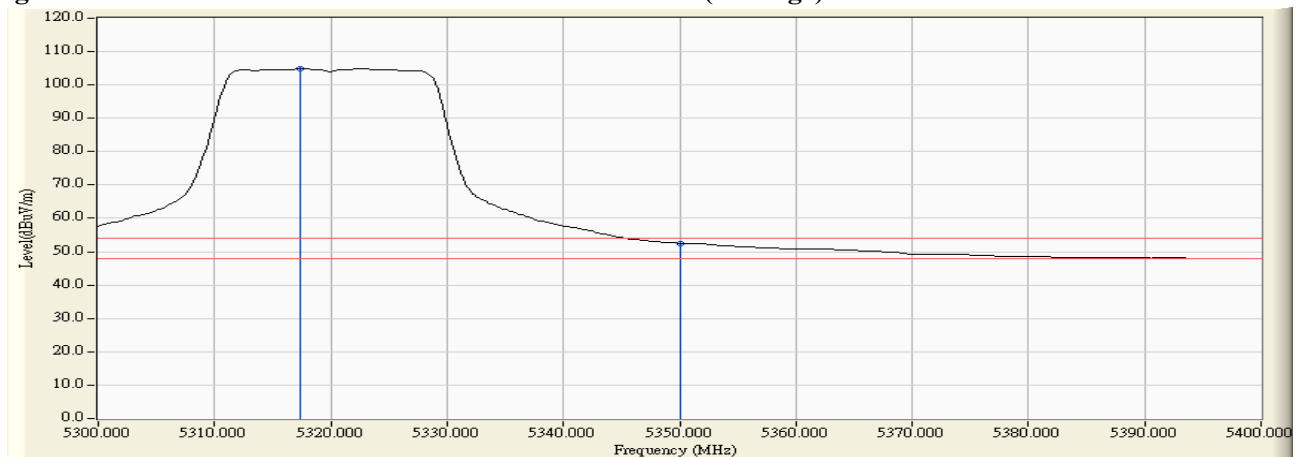
Figure Channel 64: Horizontal (Peak)

Figure Channel 64: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 64 (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
64 (Peak)	5316.400	13.020	107.214	120.234	--	--	--
64 (Peak)	5350.000	12.999	58.470	71.469	74.00	54.00	Pass
64 (Average)	5317.400	13.019	91.891	104.910	--	--	--
64 (Average)	5350.000	12.999	39.571	52.570	74.00	54.00	Pass

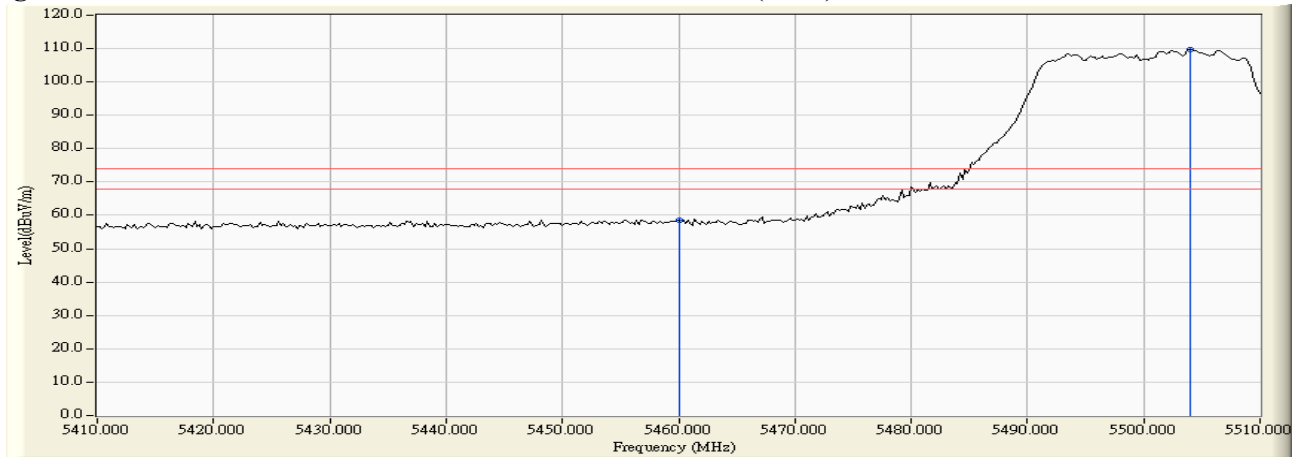
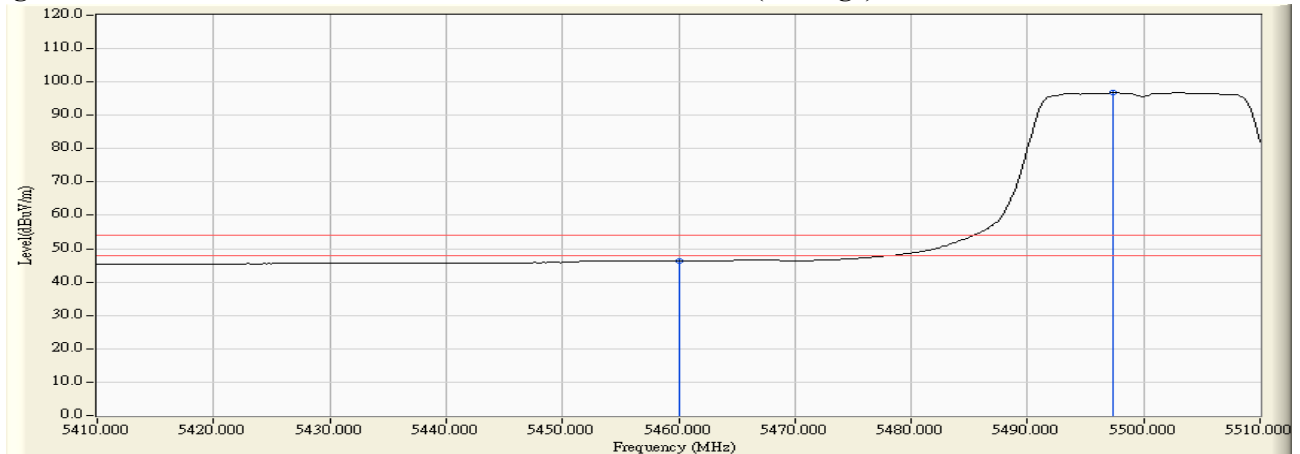
Figure Channel 64: Vertical (Peak)**Figure Channel 64: Vertical (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
100 (Peak)	5460.000	11.703	46.861	58.564	74.00	54.00	Pass
100 (Peak)	5504.000	12.197	97.441	109.638	--	--	--
100 (Average)	5460.000	11.703	34.647	46.350	74.00	54.00	Pass
100 (Average)	5497.400	12.151	84.657	96.808	--	--	--

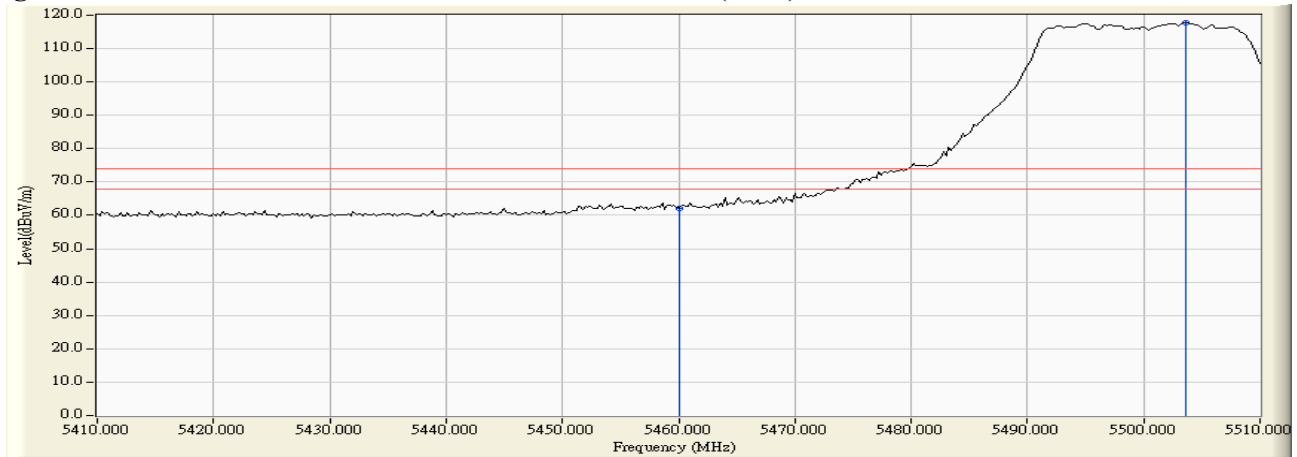
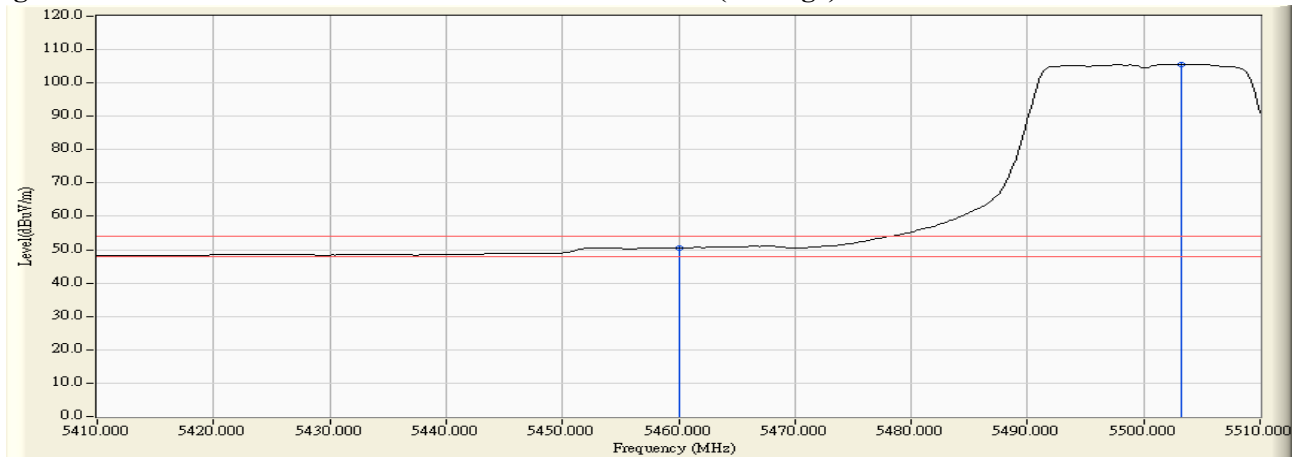
Figure Channel 100: Horizontal (Peak)**Figure Channel 100: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.17)

RF Radiated Measurement (Vertical):

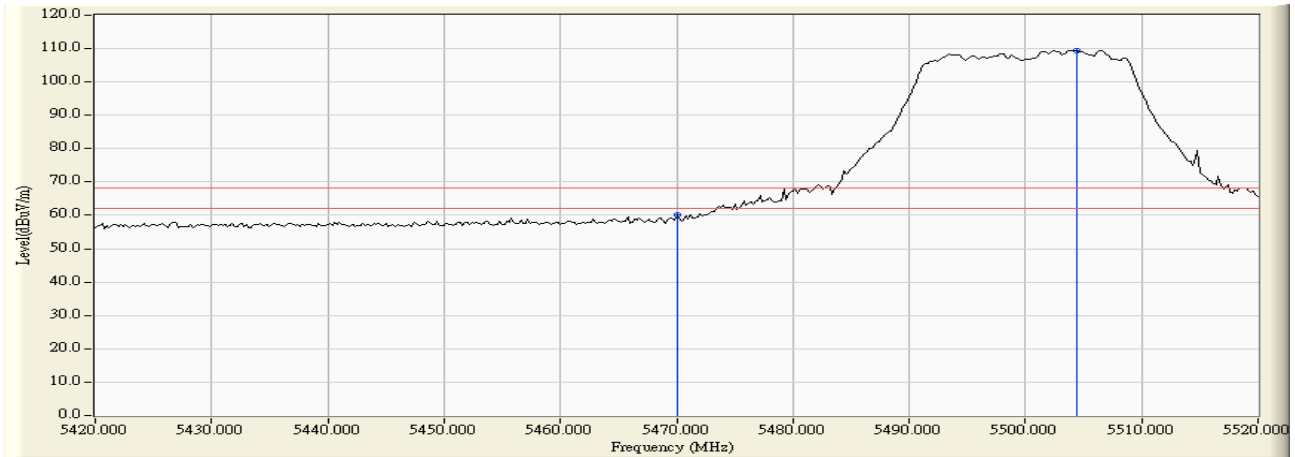
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5460.000	13.390	48.774	62.164	74.00	54.00	Pass
100 (Peak)	5503.600	13.640	104.185	117.825	--	--	--
100 (Average)	5460.000	13.390	37.086	50.476	74.00	54.00	Pass
100 (Average)	5503.200	13.639	92.013	105.652	--	--	--

Figure Channel 100:**Vertical (Peak)****Figure Channel 100:****Vertical (Average)**

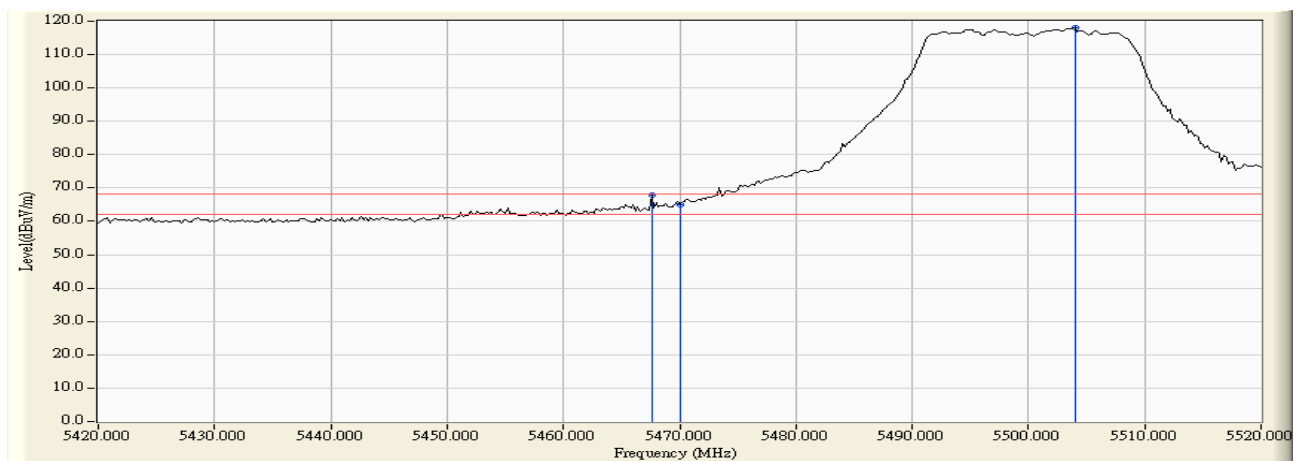
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 100 (Antenna No.17)

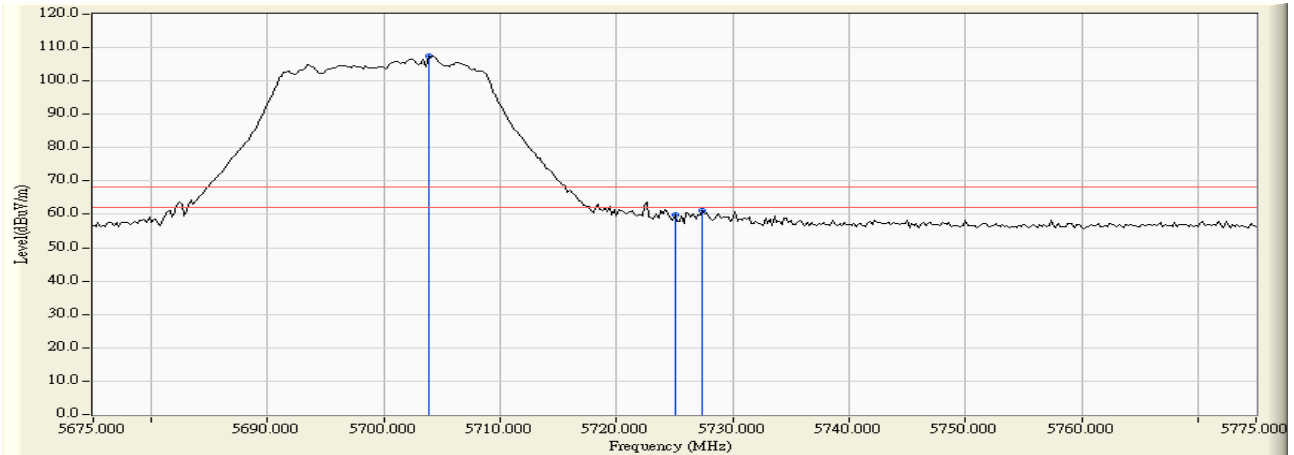
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5470.000	11.838	48.268	60.106	-8.114	68.220	Pass
Horizontal	5504.400	12.199	97.340	109.540	41.320	68.220	Pass

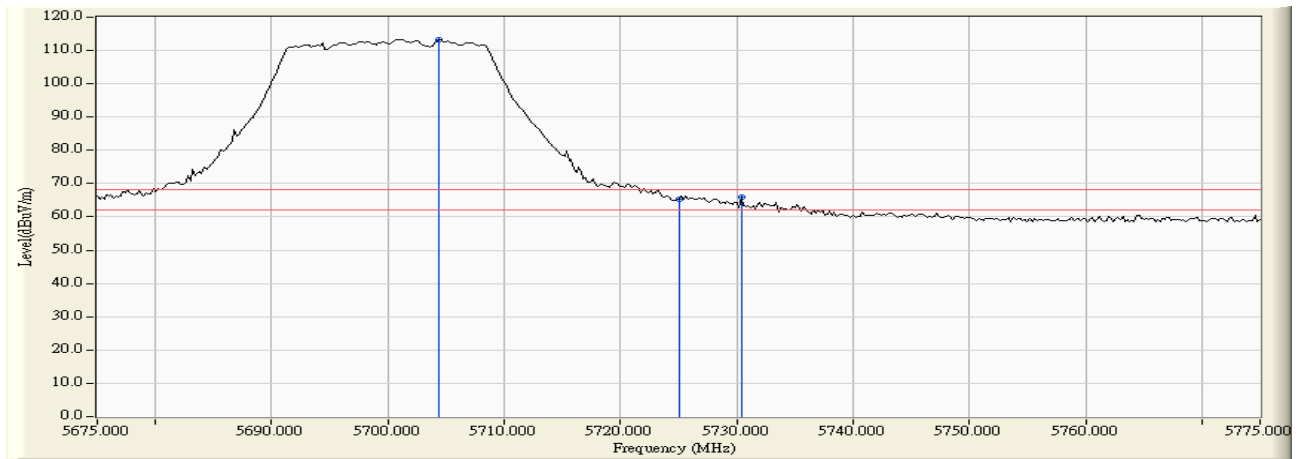


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5467.600	13.445	54.338	67.783	-0.437	68.220	Pass
Vertical	5470.000	13.462	51.539	65.001	-3.219	68.220	Pass
Vertical	5504.000	13.642	104.473	118.115	49.895	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 140 (Antenna No.17)

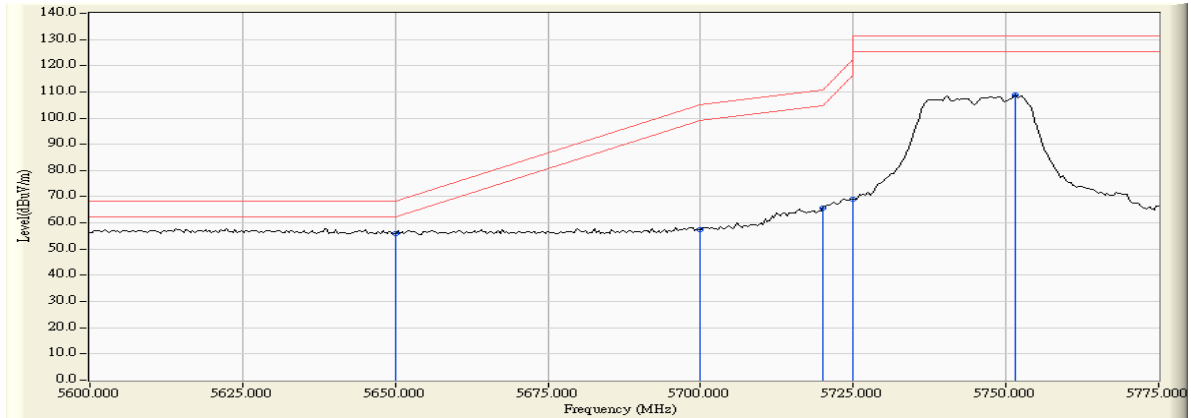
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5703.800	11.645	95.862	107.507	39.287	68.220	Pass
Horizontal	5725.000	11.592	48.399	59.991	-8.229	68.220	Pass
Horizontal	5727.400	11.584	49.401	60.985	-7.235	68.220	Pass

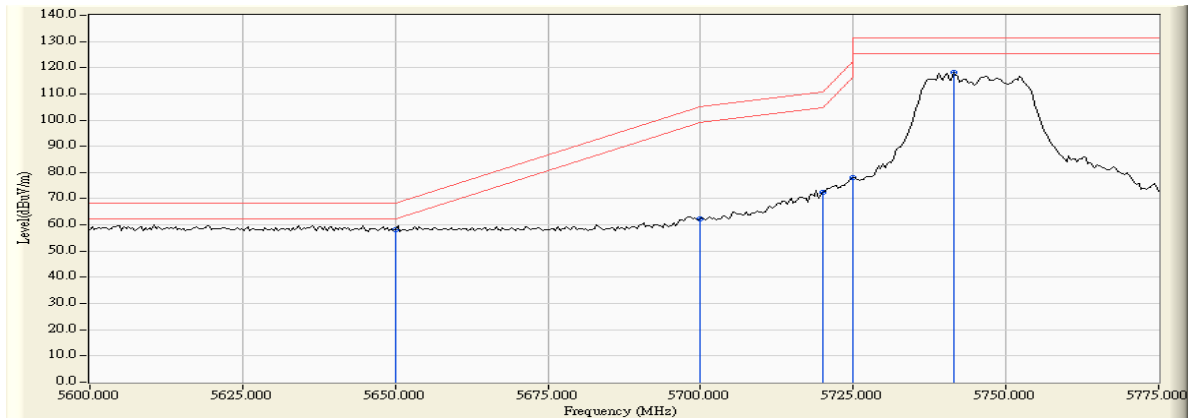


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5704.400	12.994	100.241	113.236	45.016	68.220	Pass
Vertical	5725.000	12.930	52.404	65.334	-2.886	68.220	Pass
Vertical	5730.400	12.911	52.927	65.839	-2.381	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 149 (Antenna No.17)

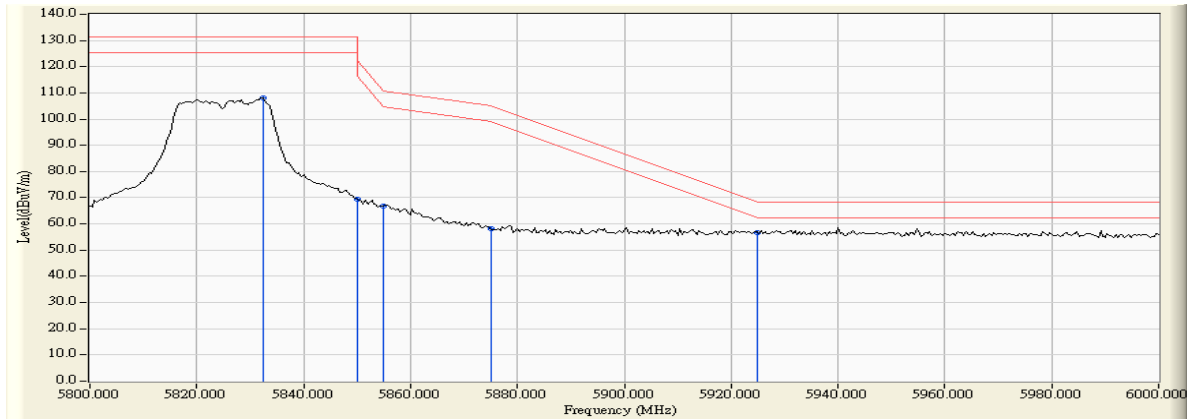
RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5650.000	11.554	44.409	55.964	-12.256	68.220	Pass
Horizontal	5700.000	11.647	45.834	57.481	-47.719	105.200	Pass
Horizontal	5720.000	11.607	54.247	65.854	-44.946	110.800	Pass
Horizontal	5725.000	11.592	57.395	68.987	-53.213	122.200	Pass
Horizontal	5751.550	11.507	97.225	108.733	-22.467	131.200	Pass

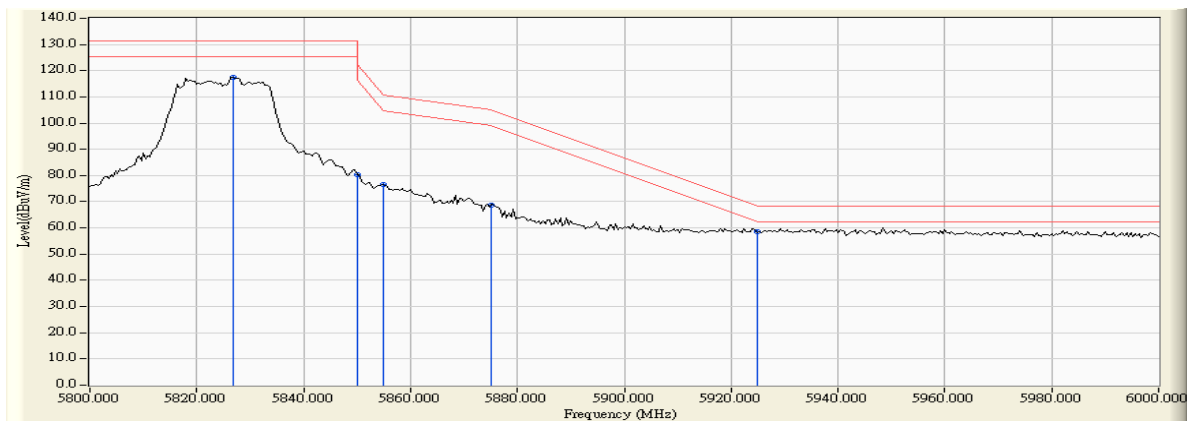


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5650.000	13.029	45.094	58.123	-10.097	68.220	Pass
Vertical	5700.000	13.003	49.373	62.376	-42.824	105.200	Pass
Vertical	5720.000	12.947	59.473	72.420	-38.380	110.800	Pass
Vertical	5725.000	12.930	65.054	77.984	-44.216	122.200	Pass
Vertical	5741.400	12.874	105.380	118.253	-12.947	131.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 2: Transmit (802.11n-20BW 28.8Mbps) -Channel 165 (Antenna No.17)

RF Radiated Measurement:


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5832.400	11.579	96.668	108.247	-22.953	131.200	Pass
Horizontal	5850.000	11.701	57.558	69.259	-52.941	122.200	Pass
Horizontal	5855.000	11.735	55.149	66.884	-43.916	110.800	Pass
Horizontal	5875.000	11.873	46.359	58.232	-46.968	105.200	Pass
Horizontal	5925.000	12.068	44.727	56.796	-11.404	68.200	Pass

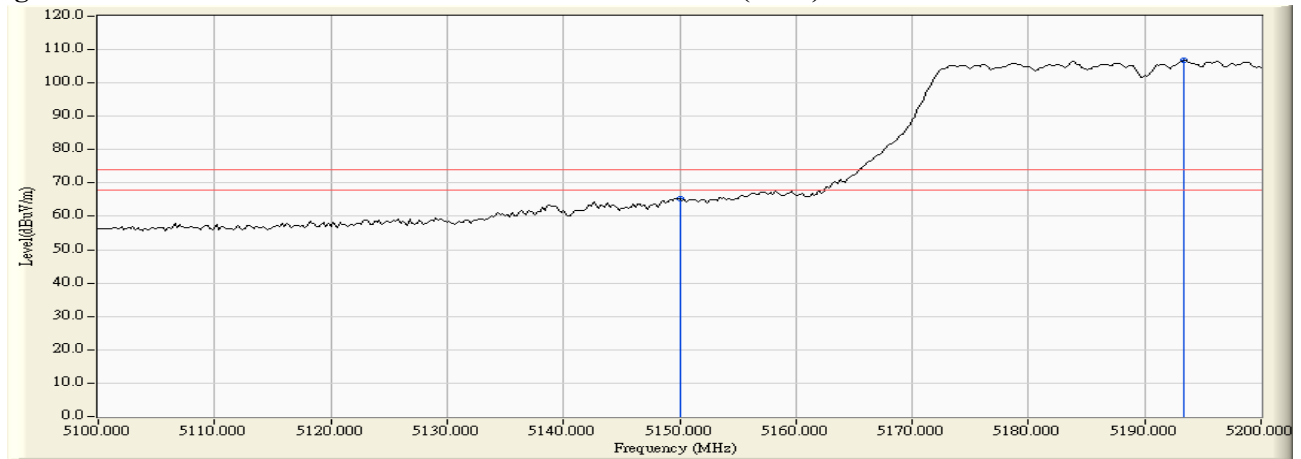
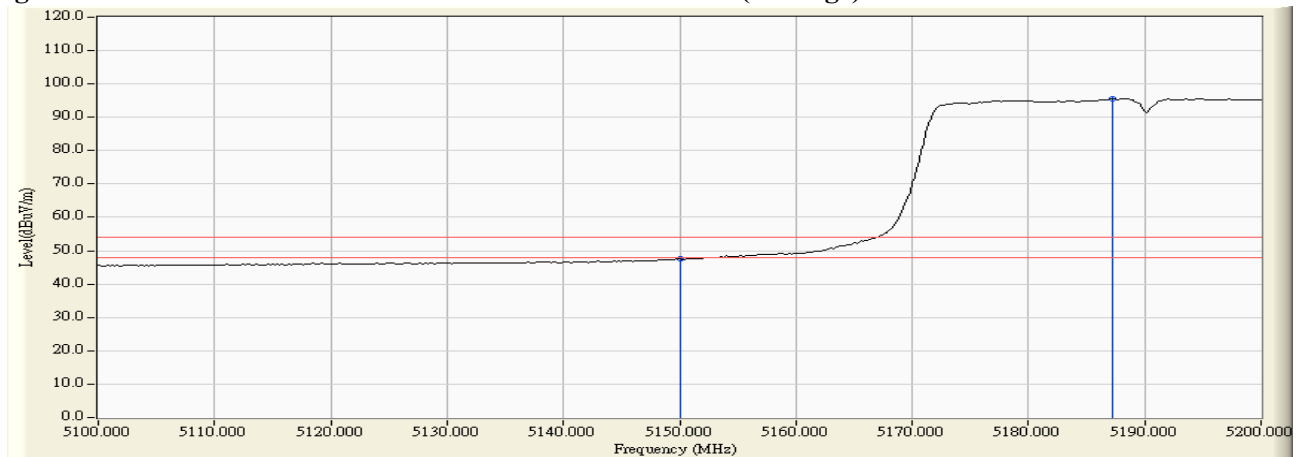


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5826.800	12.725	104.874	117.599	-13.601	131.200	Pass
Vertical	5850.000	12.774	67.454	80.228	-41.972	122.200	Pass
Vertical	5855.000	12.784	63.671	76.455	-34.345	110.800	Pass
Vertical	5875.000	12.825	55.732	68.557	-36.643	105.200	Pass
Vertical	5925.000	12.911	45.546	58.457	-9.743	68.200	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 38 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
38 (Peak)	5150.000	10.470	54.795	65.266	74.00	54.00	Pass
38 (Peak)	5193.400	10.354	96.377	106.732	--	--	--
38 (Average)	5150.000	10.470	37.016	47.487	74.00	54.00	Pass
38 (Average)	5187.200	10.375	85.110	95.486	--	--	--

Figure Channel 38: Horizontal (Peak)

Figure Channel 38: Horizontal (Average)


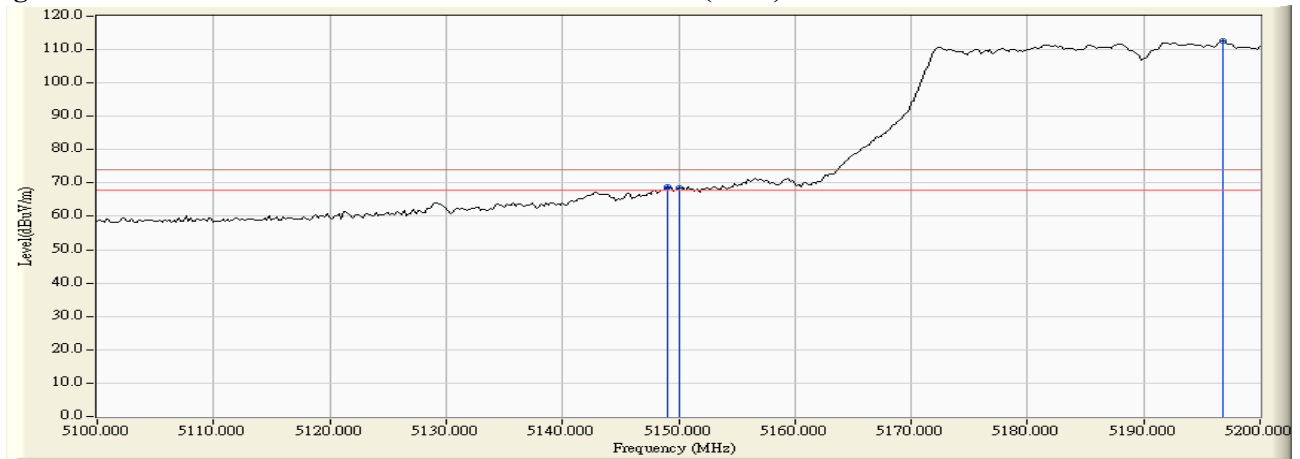
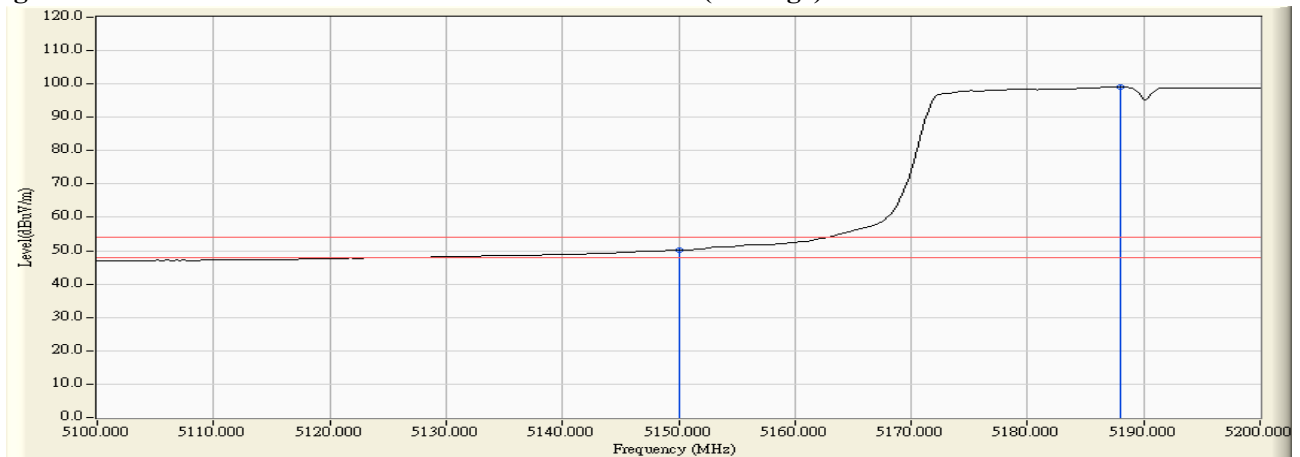
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 38 (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
38 (Peak)	5149.000	12.386	56.342	68.729	74.00	54.00	Pass
38 (Peak)	5150.000	12.390	56.065	68.455	74.00	54.00	Pass
38 (Peak)	5196.800	12.556	99.924	112.480	--	--	--
38 (Average)	5150.000	12.390	37.799	50.189	74.00	54.00	Pass
38 (Average)	5188.000	12.531	86.592	99.123	--	--	--

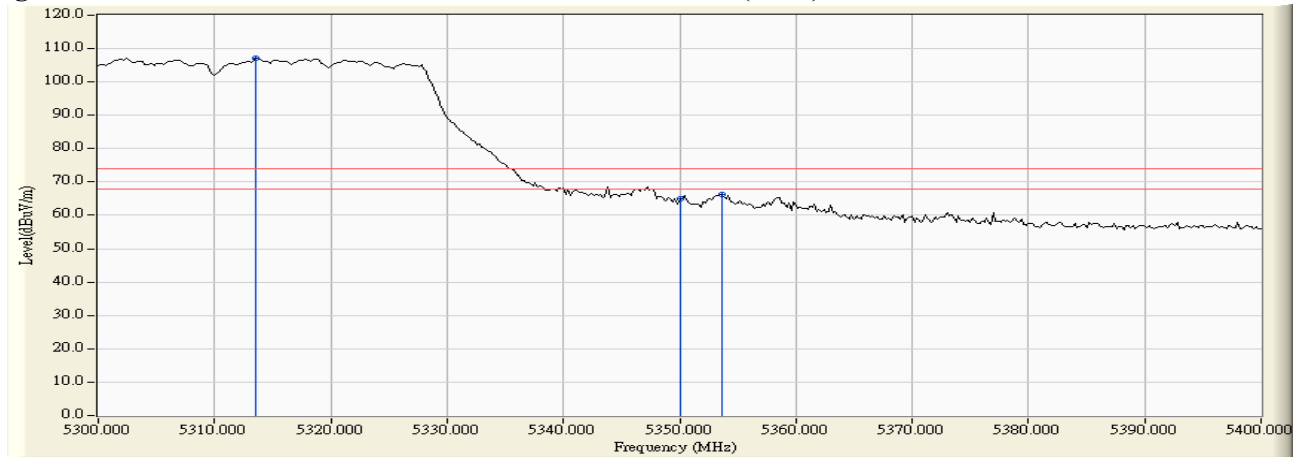
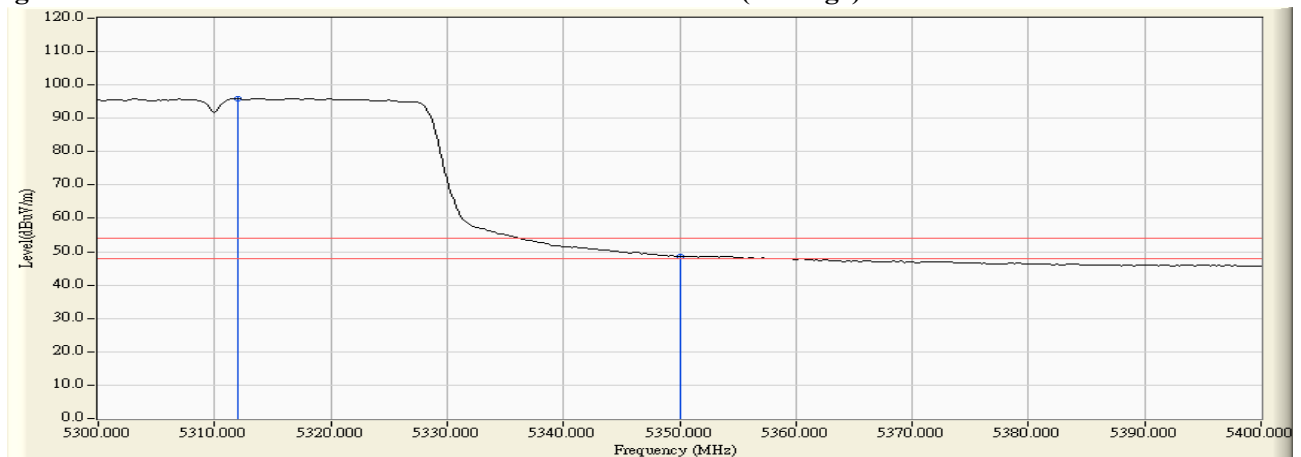
Figure Channel 38: Vertical (Peak)

Figure Channel 38: 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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 62 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5313.600	11.118	95.906	107.023	--	--	--
62 (Peak)	5350.000	11.024	54.091	65.115	74.00	54.00	Pass
62 (Peak)	5353.600	11.015	55.331	66.346	74.00	54.00	Pass
62 (Average)	5312.000	11.121	84.878	95.999	--	--	--
62 (Average)	5350.000	11.024	37.511	48.535	74.00	54.00	Pass

Figure Channel 62: Horizontal (Peak)**Figure Channel 62: Horizontal (Average)**

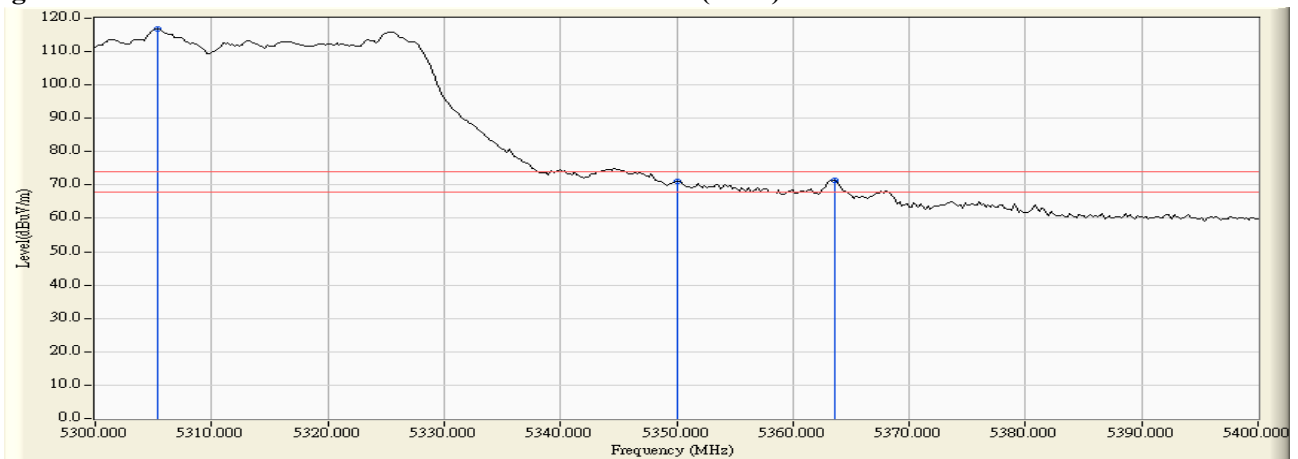
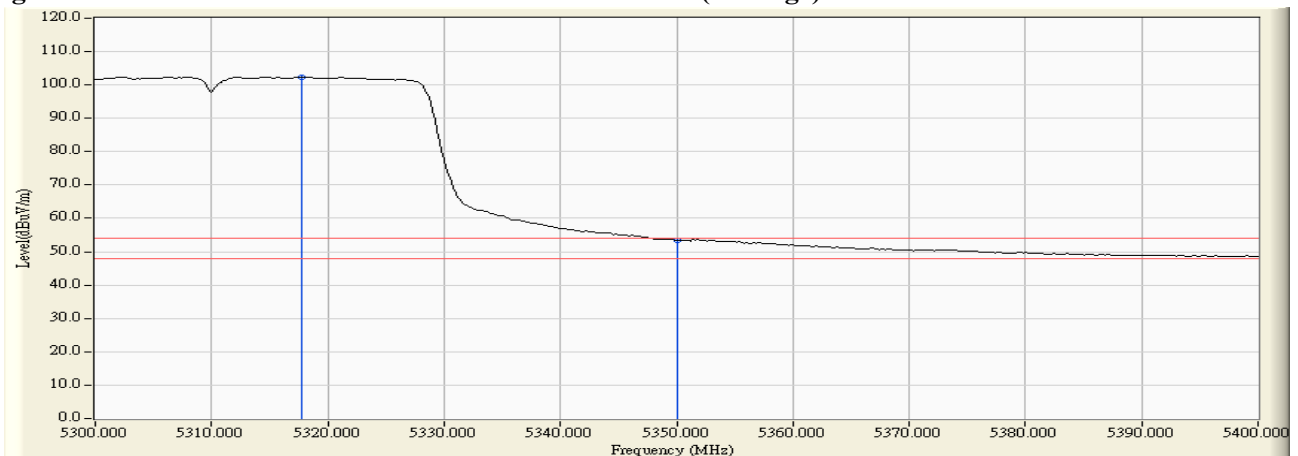
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 62 (Antenna No.17)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
62 (Peak)	5305.400	13.027	103.676	116.703	--	--	--
62 (Peak)	5350.000	12.999	58.191	71.190	74.00	54.00	Pass
62 (Peak)	5363.600	12.989	58.451	71.440	74.00	54.00	Pass
62 (Average)	5317.800	13.019	89.427	102.446	--	--	--
62 (Average)	5350.000	12.999	40.360	53.359	74.00	54.00	Pass

Figure Channel 62: Vertical (Peak)**Figure Channel 62: Vertical (Average)**

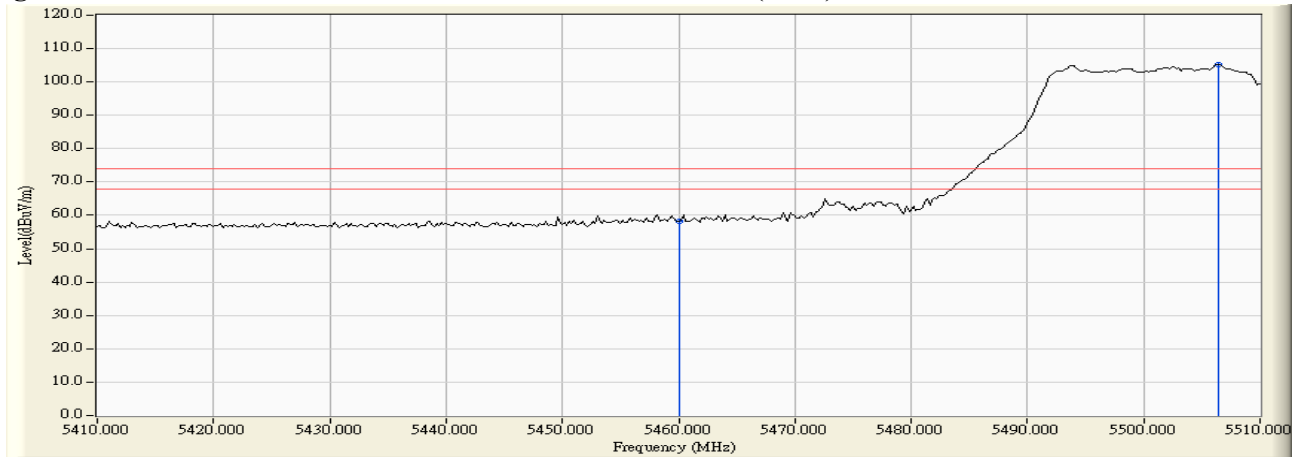
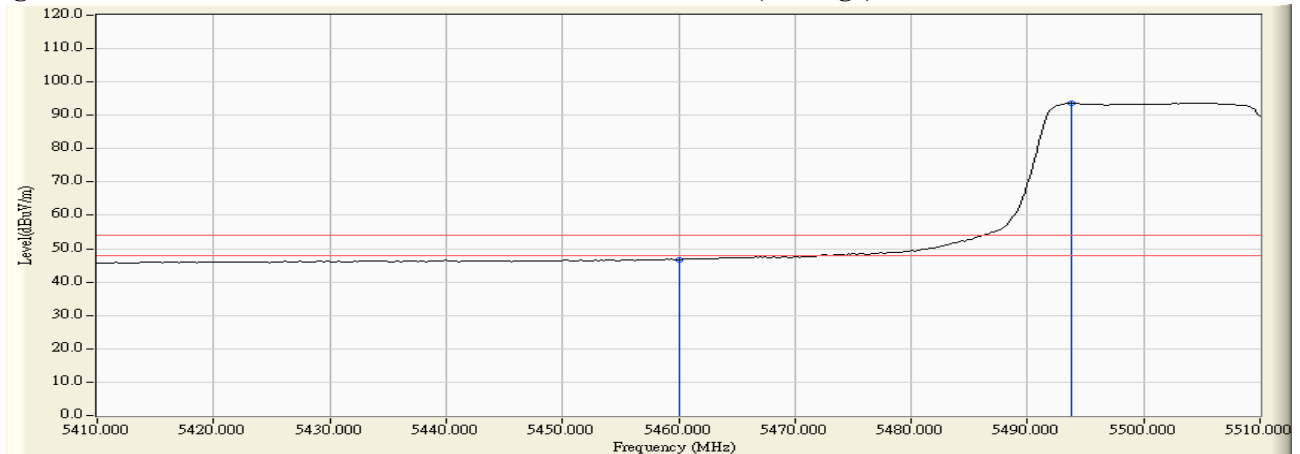
Note:

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.17)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
102 (Peak)	5460.000	11.703	46.669	58.372	74.00	54.00	Pass
102 (Peak)	5506.400	12.193	92.944	105.136	--	--	--
102 (Average)	5460.000	11.703	34.925	46.628	74.00	54.00	Pass
102 (Average)	5493.800	12.125	81.612	93.737	--	--	--

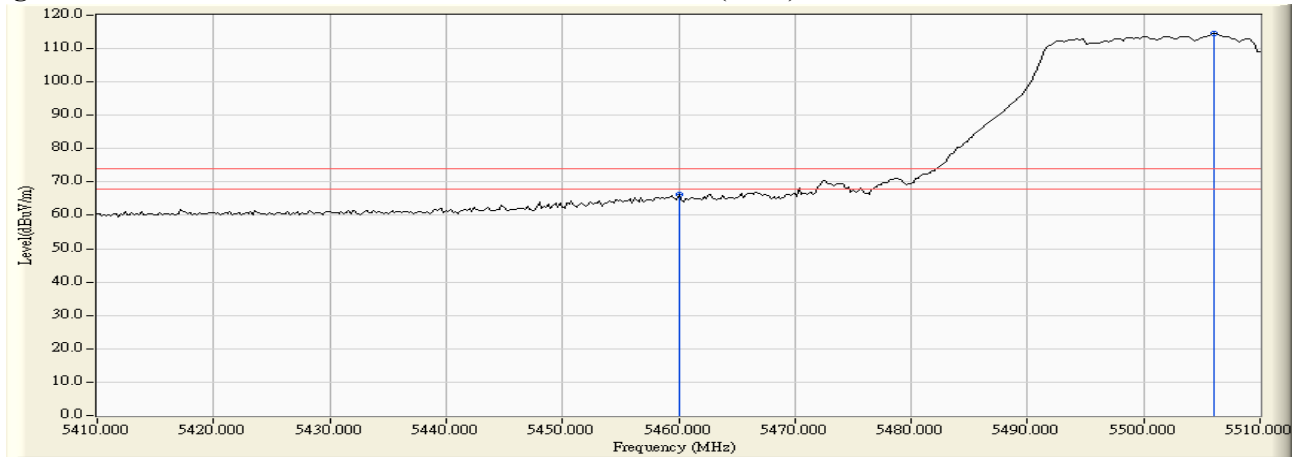
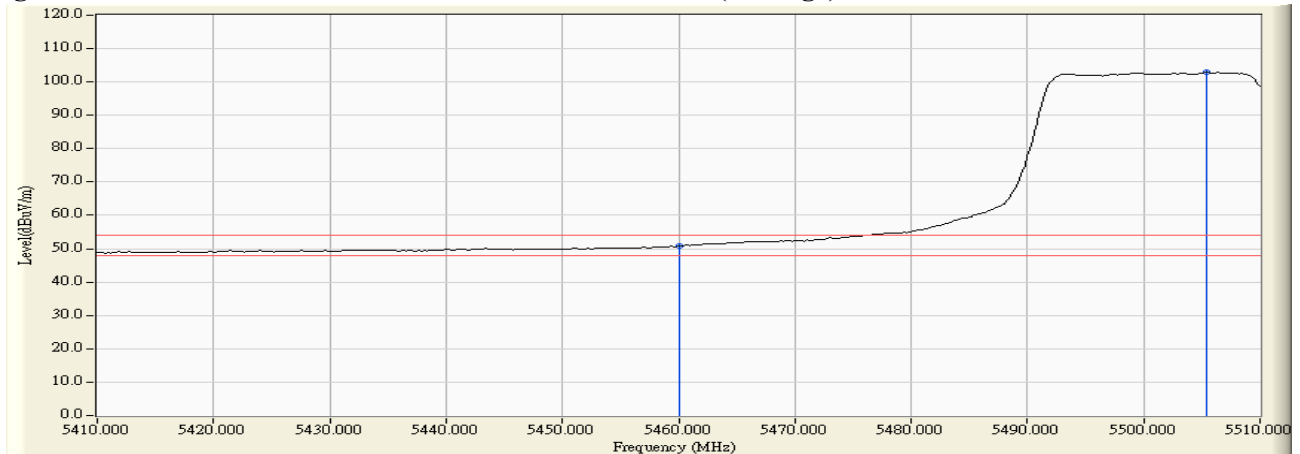
Figure Channel 102: Horizontal (Peak)**Figure Channel 102: Horizontal (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.17)

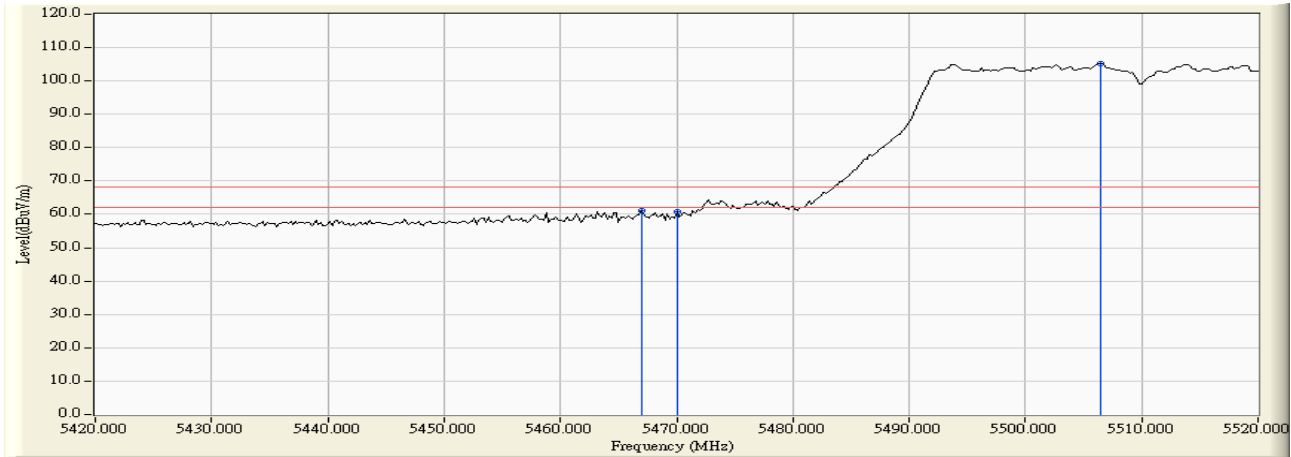
RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5460.000	13.390	52.902	66.292	74.00	54.00	Pass
102 (Peak)	5506.000	13.638	100.805	114.443	--	--	--
102 (Average)	5460.000	13.390	37.300	50.690	74.00	54.00	Pass
102 (Average)	5505.400	13.642	89.199	102.841	--	--	--

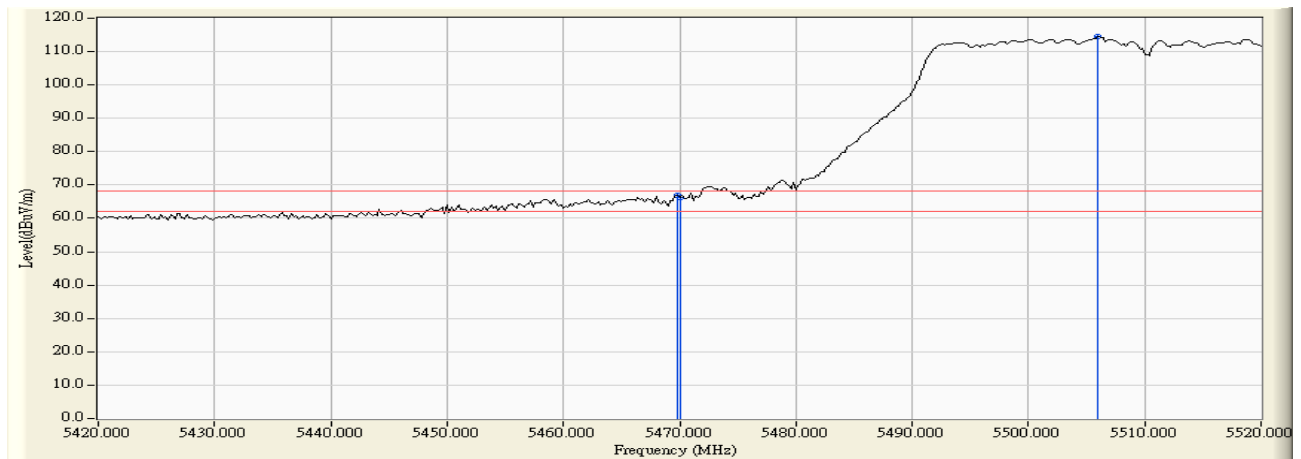
Figure Channel 102: Vertical (Peak)**Figure Channel 102: Vertical (Average)****Note:**

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 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 102 (Antenna No.17)

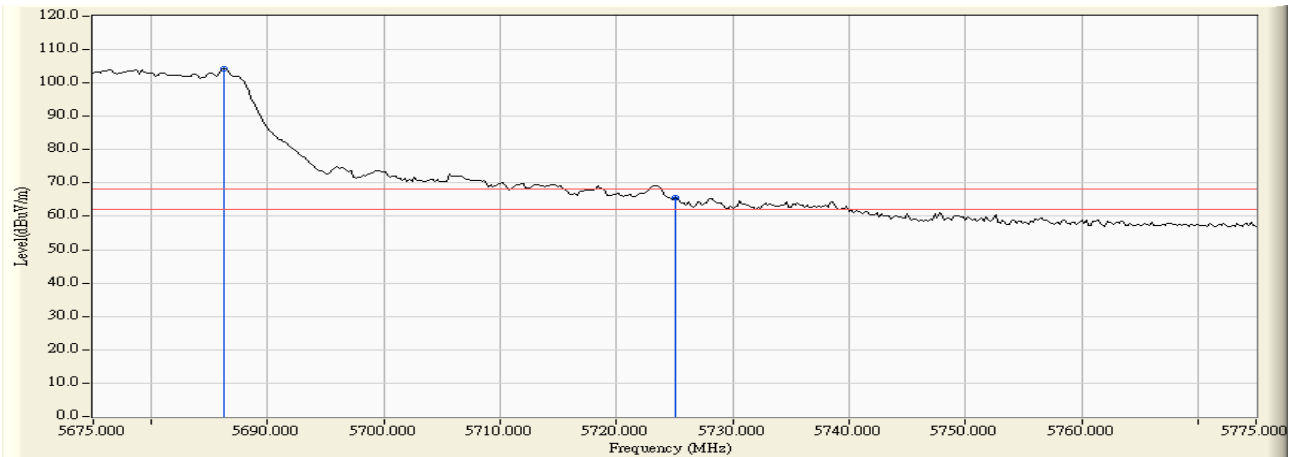
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5467.000	11.799	49.457	61.255	-6.965	68.220	Pass
Horizontal	5470.000	11.838	48.951	60.789	-7.431	68.220	Pass
Horizontal	5506.400	12.193	92.998	105.190	36.970	68.220	Pass

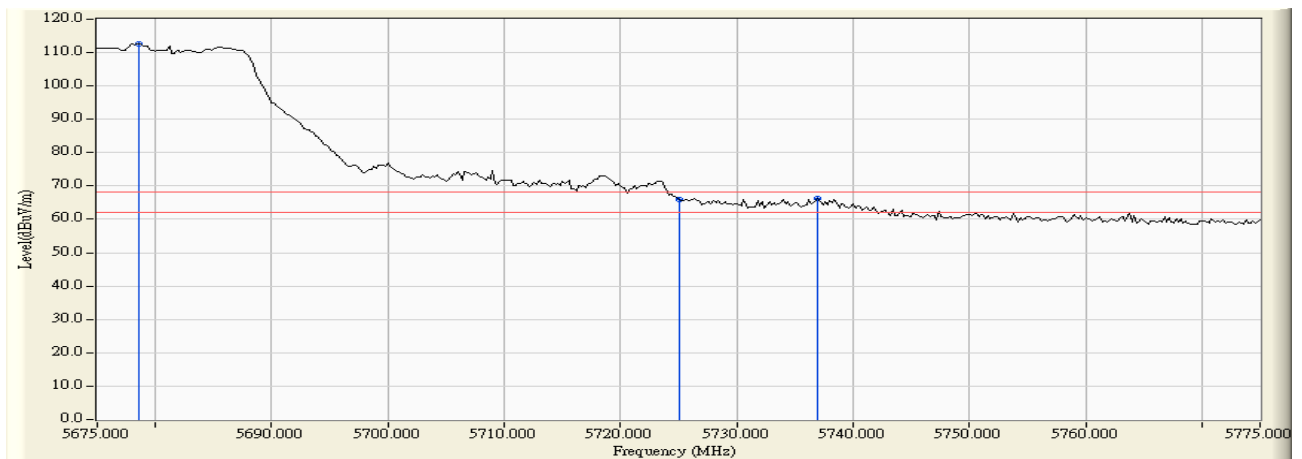


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5469.800	13.461	53.340	66.800	-1.420	68.220	Pass
Vertical	5470.000	13.462	52.700	66.162	-2.058	68.220	Pass
Vertical	5506.000	13.638	100.843	114.481	46.261	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 134 (Antenna No.17)

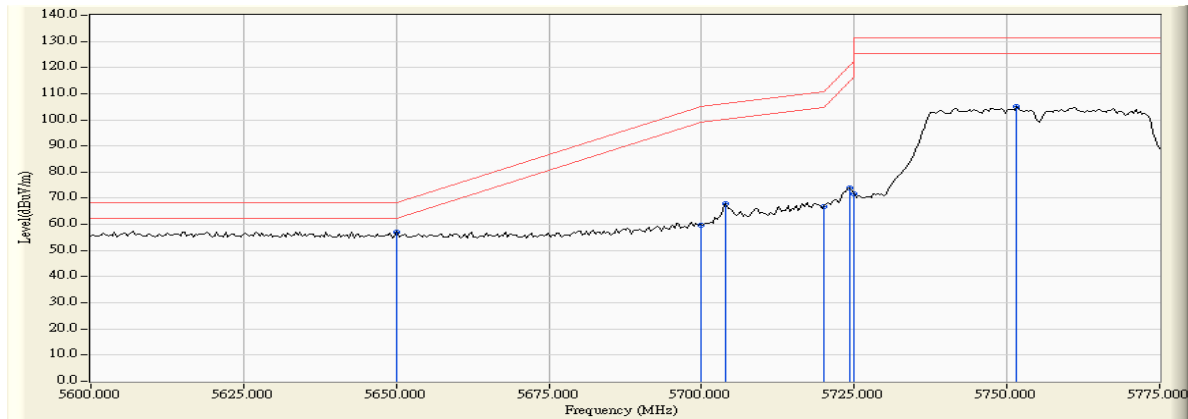
RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5686.200	11.639	92.478	104.117	35.897	68.220	Pass
Horizontal	5725.000	11.592	54.012	65.604	-2.616	68.220	Pass

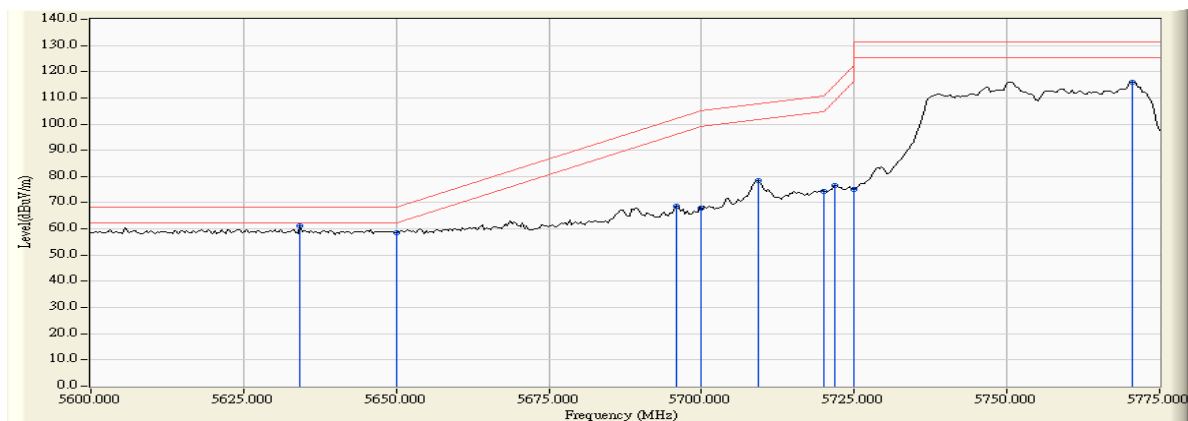


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5678.600	13.022	99.539	112.561	44.341	68.220	Pass
Vertical	5725.000	12.930	53.067	65.997	-2.223	68.220	Pass
Vertical	5737.000	12.889	53.503	66.392	-1.828	68.220	Pass

Product : MOXA IEEE 802.11a/n/ac 4*4 module
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Date : 2018/05/24
 Test Mode : Mode 3: Transmit (802.11n-40BW 60Mbps) -Channel 151 (Antenna No.17)

RF Radiated Measurement :


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5650.000	11.554	45.473	57.028	-11.192	68.220	Pass
Horizontal	5700.000	11.647	48.133	59.780	-45.420	105.200	Pass
Horizontal	5703.950	11.645	56.443	68.088	-38.218	106.306	Pass
Horizontal	5720.000	11.607	55.278	66.885	-43.915	110.800	Pass
Horizontal	5724.250	11.594	62.212	73.806	-46.684	120.490	Pass
Horizontal	5725.000	11.592	60.228	71.820	-50.380	122.200	Pass
Horizontal	5751.550	11.507	93.732	105.240	-25.960	131.200	Pass



	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5634.300	13.033	48.000	61.033	-7.187	68.220	Pass
Vertical	5650.000	13.029	45.402	58.431	-9.789	68.220	Pass
Vertical	5695.900	13.011	55.615	68.626	-33.542	102.168	Pass
Vertical	5700.000	13.003	54.913	67.916	-37.284	105.200	Pass
Vertical	5709.200	12.983	65.325	78.309	-29.467	107.776	Pass
Vertical	5720.000	12.947	61.302	74.249	-36.551	110.800	Pass
Vertical	5721.800	12.941	63.516	76.457	-38.447	114.904	Pass
Vertical	5725.000	12.930	62.245	75.175	-47.025	122.200	Pass
Vertical	5770.450	12.770	103.390	116.161	-15.039	131.200	Pass