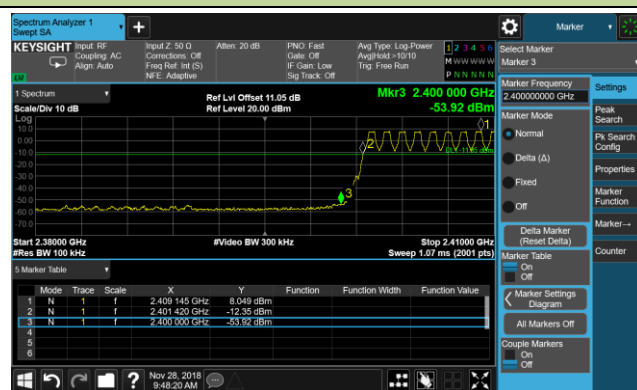
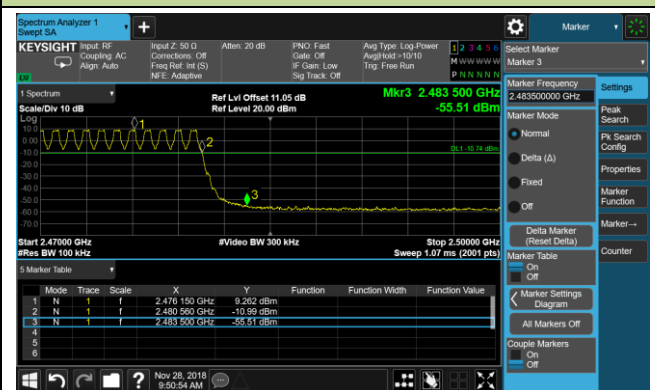


Operation Frequency Range of 20dB Bandwidth within Hopping Mode

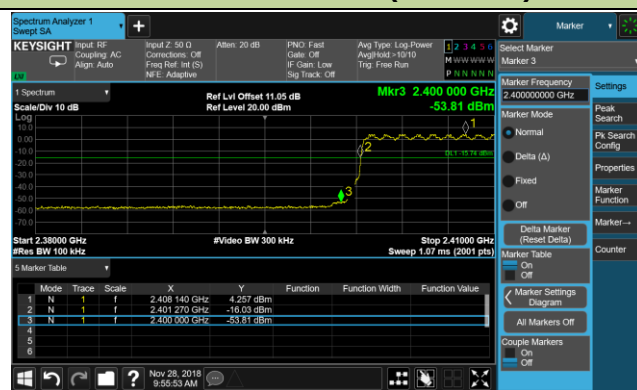
DH5 - Channel 00 (2402MHz)



DH5 - Channel 78 (2480MHz)



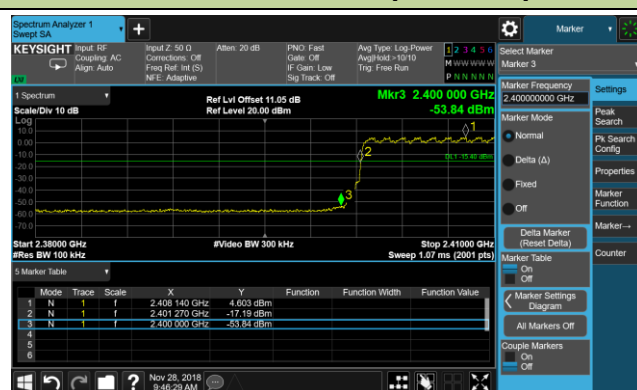
2DH5 - Channel 00 (2402MHz)



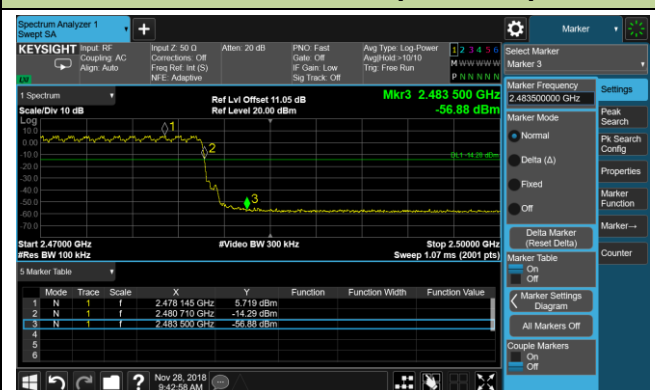
2DH5 - Channel 78 (2480MHz)



3DH5 - Channel 00 (2402MHz)



3DH5 - Channel 78 (2480MHz)



7.8. Conducted Spurious Emissions Measurement

7.8.1. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

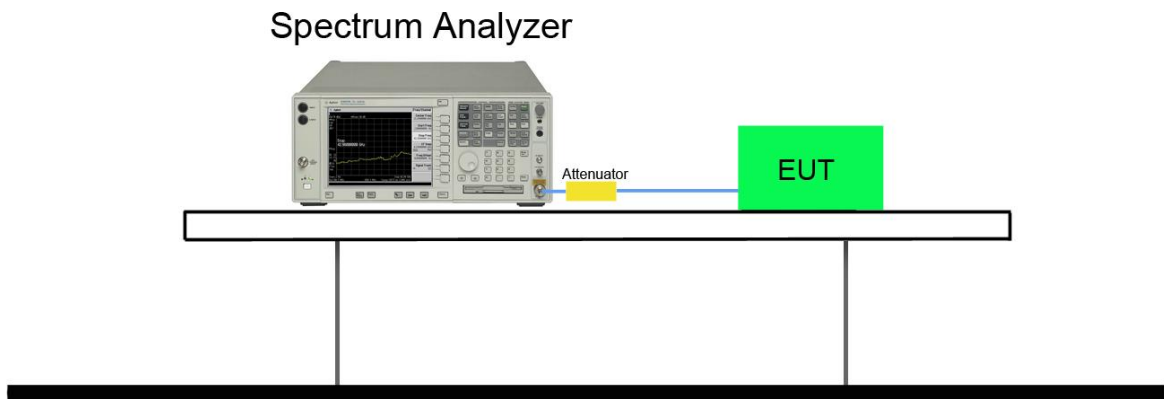
7.8.2. Test Procedure Used

ANSI C63.10-2013 - Section 7.8.8

7.8.3. Test Setting

1. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic.
Typically, several plots are required to cover this entire span.
2. RBW = 100 KHz
3. VBW $\geq$ RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize
8. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this section.

7.8.4. Test Setup



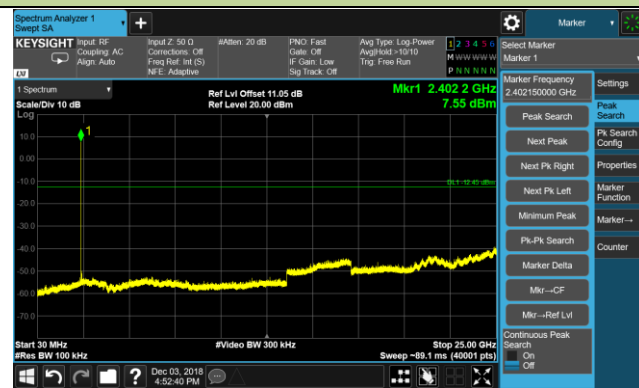
7.8.5. Test Result

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	TR3	Test Date	2018/12/03

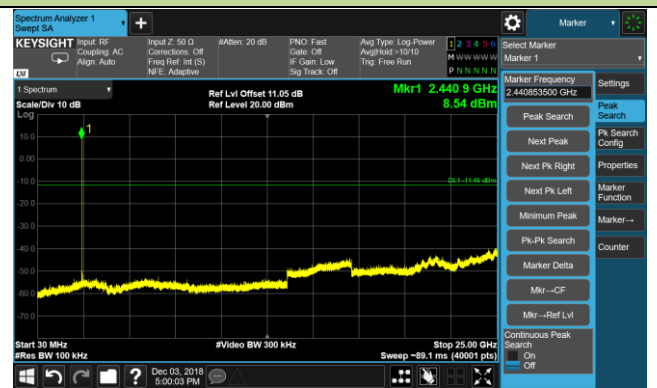
Test Mode	Channel No.	Frequency (MHz)	Limit (MHz)	Result
DH5	00	2402	20dBc	Pass
DH5	39	2441	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	39	2441	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	39	2441	20dBc	Pass
3DH5	78	2480	20dBc	Pass

DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



Channel 39 (2441MHz)

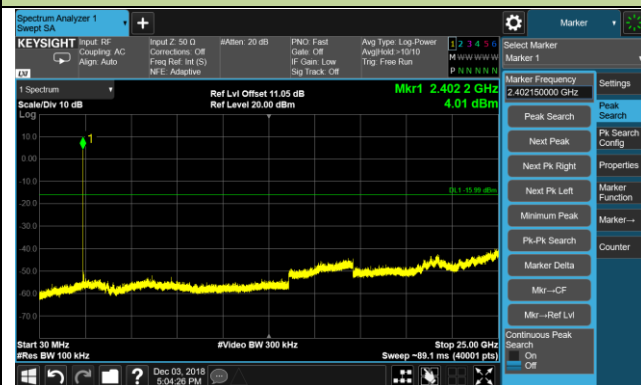


Channel 78 (2480MHz)

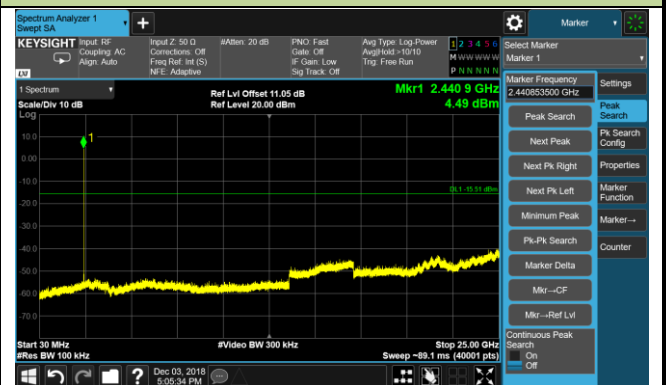


2DH5 Conducted Spurious Emissions

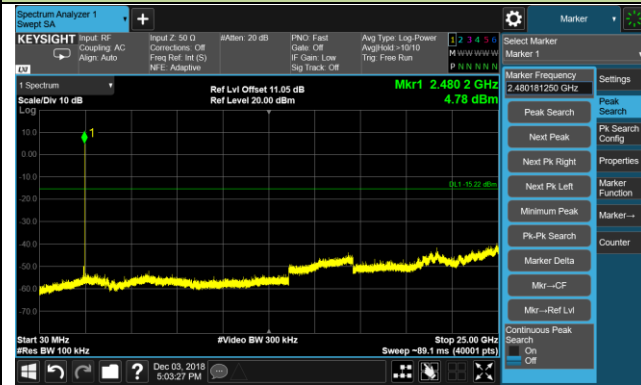
Channel 00 (2402MHz)



Channel 39 (2441MHz)

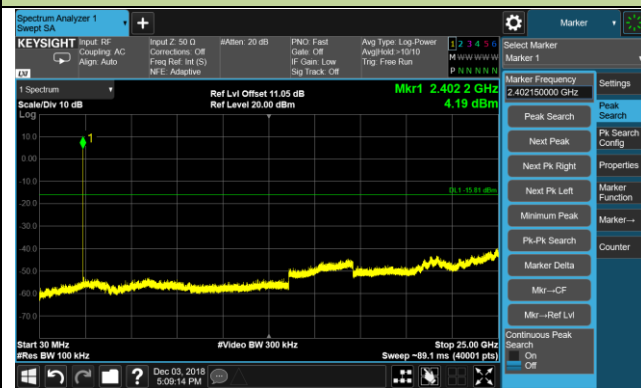


Channel 78 (2480MHz)



3DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



7.9. Radiated Spurious Emission Measurement

7.9.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
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

7.9.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.9.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

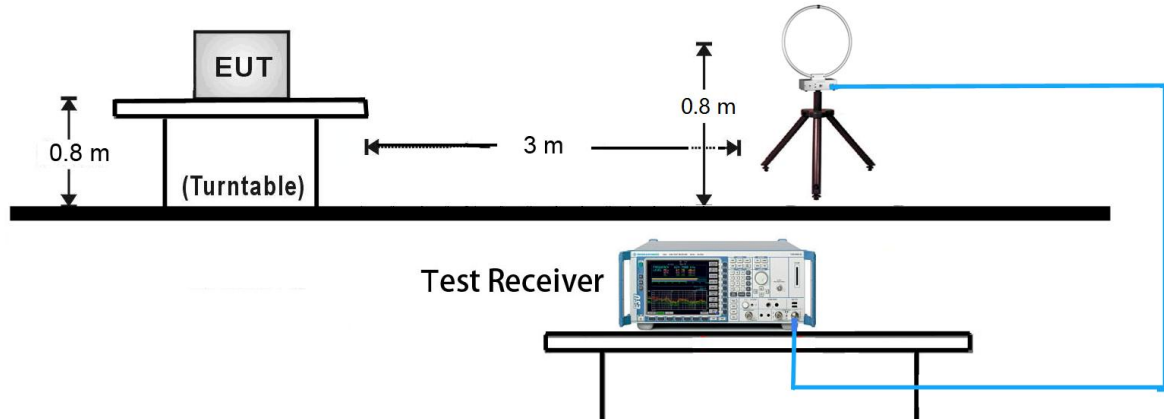
Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.

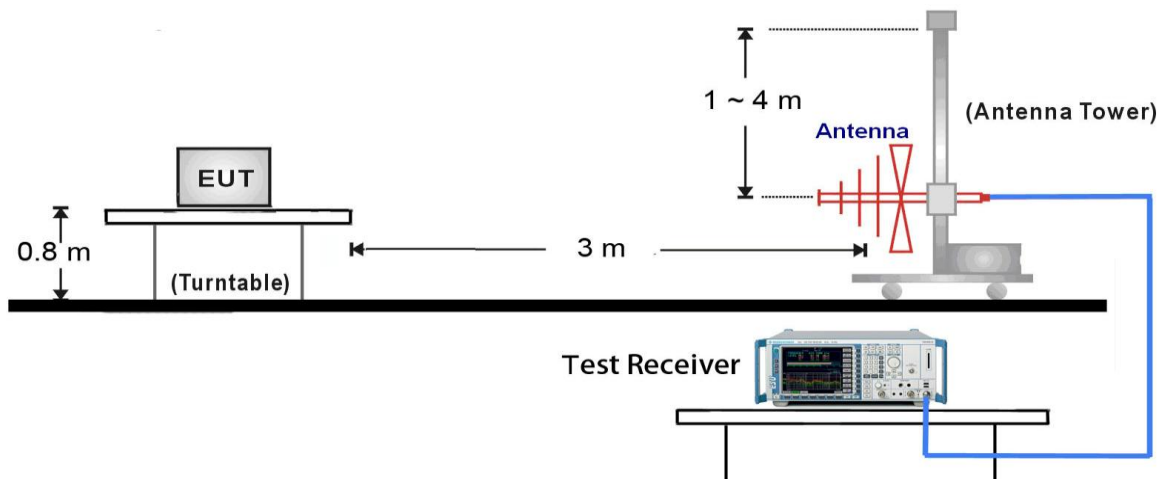
If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.9.4.Test Setup

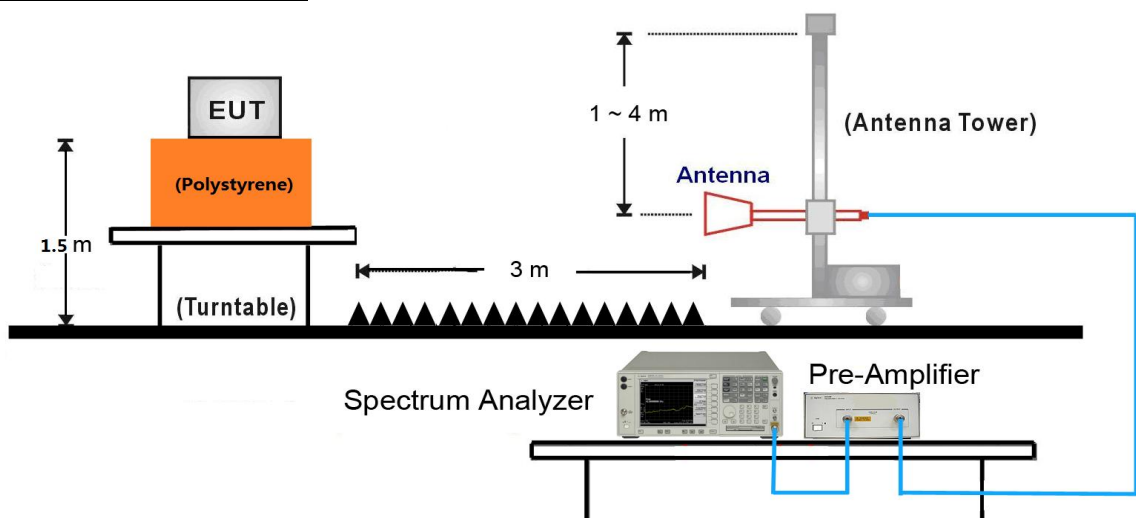
9kHz ~ 30MHz Test Setup:



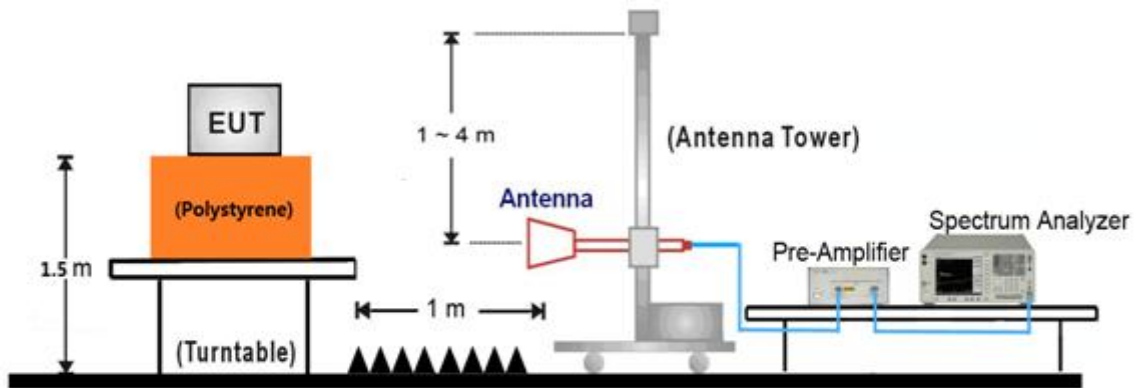
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.9.5. Test Result

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	DH5	Test Channel:	00
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4128.0	39.9	0.8	40.7	74.0	-33.3	Peak	Horizontal
	4808.0	39.7	3.7	43.4	74.0	-30.6	Peak	Horizontal
*	6006.5	38.4	6.1	44.5	79.0	-34.5	Peak	Horizontal
*	6729.0	37.4	8.7	46.1	79.0	-32.9	Peak	Horizontal
	3873.0	40.6	0.3	40.9	74.0	-33.1	Peak	Vertical
	4825.0	38.8	3.7	42.5	74.0	-31.5	Peak	Vertical
*	5938.5	37.9	6.0	43.9	79.0	-35.1	Peak	Vertical
*	7162.5	35.8	11.9	47.7	79.0	-31.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.0dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	DH5	Test Channel:	39
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4085.5	40.3	0.7	41.0	74.0	-33.0	Peak	Horizontal
	4799.5	39.0	3.7	42.7	74.0	-31.3	Peak	Horizontal
*	6006.5	37.8	6.1	43.9	80.3	-36.4	Peak	Horizontal
*	7137.0	35.7	11.7	47.4	80.3	-32.9	Peak	Horizontal
	4247.0	40.0	1.3	41.3	74.0	-32.7	Peak	Vertical
	4842.0	38.7	3.7	42.4	74.0	-31.6	Peak	Vertical
*	6261.5	38.2	7.0	45.2	80.3	-35.1	Peak	Vertical
*	7137.0	35.8	11.7	47.5	80.3	-32.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.3dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	DH5	Test Channel:	78
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4085.5	40.0	0.7	40.7	74.0	-33.3	Peak	Horizontal
	4782.5	38.7	3.7	42.4	74.0	-31.6	Peak	Horizontal
*	5683.5	38.3	4.8	43.1	80.8	-37.7	Peak	Horizontal
*	6916.0	36.0	9.9	45.9	80.8	-34.9	Peak	Horizontal
	4102.5	39.8	0.7	40.5	74.0	-33.5	Peak	Vertical
	4833.5	38.3	3.7	42.0	74.0	-32.0	Peak	Vertical
*	5896.0	37.1	5.9	43.0	80.8	-37.8	Peak	Vertical
*	6720.5	37.3	8.7	46.0	80.8	-34.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.8dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	2DH5	Test Channel:	00
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4051.5	40.8	0.5	41.3	74.0	-32.7	Peak	Horizontal
	4757.0	39.1	3.7	42.8	74.0	-31.2	Peak	Horizontal
*	5998.0	37.9	6.1	44.0	77.9	-33.9	Peak	Horizontal
*	7043.5	37.0	11.0	48.0	77.9	-29.9	Peak	Horizontal
	4043.0	41.2	0.5	41.7	74.0	-32.3	Peak	Vertical
	4799.5	39.2	3.7	42.9	74.0	-31.1	Peak	Vertical
*	6049.0	38.0	6.2	44.2	77.9	-33.7	Peak	Vertical
*	7145.5	35.5	11.8	47.3	77.9	-30.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (97.9dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	2DH5	Test Channel:	39
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4000.5	40.1	0.4	40.5	74.0	-33.5	Peak	Horizontal
	4825.0	39.2	3.7	42.9	74.0	-31.1	Peak	Horizontal
*	6083.0	37.8	6.4	44.2	79.0	-34.8	Peak	Horizontal
*	7052.0	37.0	11.0	48.0	79.0	-31.0	Peak	Horizontal
	4017.5	40.6	0.4	41.0	74.0	-33.0	Peak	Vertical
	4621.0	38.3	3.3	41.6	74.0	-32.4	Peak	Vertical
*	6006.5	37.6	6.1	43.7	79.0	-35.3	Peak	Vertical
*	7103.0	35.9	11.5	47.4	79.0	-31.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.0dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	2DH5	Test Channel:	78
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	40.5	0.5	41.0	74.0	-33.0	Peak	Horizontal
	4765.5	37.8	3.7	41.5	74.0	-32.5	Peak	Horizontal
*	6083.0	37.5	6.4	43.9	79.9	-36.0	Peak	Horizontal
*	7145.5	35.8	11.8	47.6	79.9	-32.3	Peak	Horizontal
	3847.5	41.1	0.3	41.4	74.0	-32.6	Peak	Vertical
	4842.0	39.0	3.7	42.7	74.0	-31.3	Peak	Vertical
*	5717.5	38.1	5.0	43.1	79.9	-36.8	Peak	Vertical
*	7069.0	36.4	11.2	47.6	79.9	-32.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.9dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	3DH5	Test Channel:	00
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4017.5	40.4	0.4	40.8	74.0	-33.2	Peak	Horizontal
	4842.0	38.5	3.7	42.2	74.0	-31.8	Peak	Horizontal
*	5743.0	38.0	5.1	43.1	78.1	-35.0	Peak	Horizontal
*	6899.0	36.3	9.8	46.1	78.1	-32.0	Peak	Horizontal
	3983.5	40.4	0.4	40.8	74.0	-33.2	Peak	Vertical
	4765.5	37.9	3.7	41.6	74.0	-32.4	Peak	Vertical
*	5998.0	38.4	6.1	44.5	78.1	-33.6	Peak	Vertical
*	7086.0	36.5	11.3	47.8	78.1	-30.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.1dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	3DH5	Test Channel:	39
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4060.0	41.2	0.6	41.8	74.0	-32.2	Peak	Horizontal
	4816.5	38.1	3.7	41.8	74.0	-32.2	Peak	Horizontal
*	6023.5	39.6	6.2	45.8	78.9	-33.1	Peak	Horizontal
*	7137.0	36.6	11.7	48.3	78.9	-30.6	Peak	Horizontal
	4017.5	40.0	0.4	40.4	74.0	-33.6	Peak	Vertical
	4867.5	38.4	3.7	42.1	74.0	-31.9	Peak	Vertical
*	6397.5	37.8	7.7	45.5	78.9	-33.4	Peak	Vertical
*	7094.5	35.5	11.4	46.9	78.9	-32.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.9dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Product	AX11000 MU-MIMO Tri-Band Gaming Router	Temperature	25°C
Test Engineer	Kevin Ker	Relative Humidity	56%
Test Site	AC1	Test Date	2018/11/29
Test Mode:	3DH5	Test Channel:	78
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4009.0	41.2	0.4	41.6	74.0	-32.4	Peak	Horizontal
	4842.0	38.6	3.7	42.3	74.0	-31.7	Peak	Horizontal
*	6015.0	38.2	6.1	44.3	80.2	-35.9	Peak	Horizontal
*	7128.5	35.6	11.7	47.3	80.2	-32.9	Peak	Horizontal
	4043.0	41.1	0.5	41.6	74.0	-32.4	Peak	Vertical
	4791.0	38.4	3.7	42.1	74.0	-31.9	Peak	Vertical
*	5777.0	38.0	5.3	43.3	80.2	-36.9	Peak	Vertical
*	6576.0	36.7	8.6	45.3	80.2	-34.9	Peak	Vertical

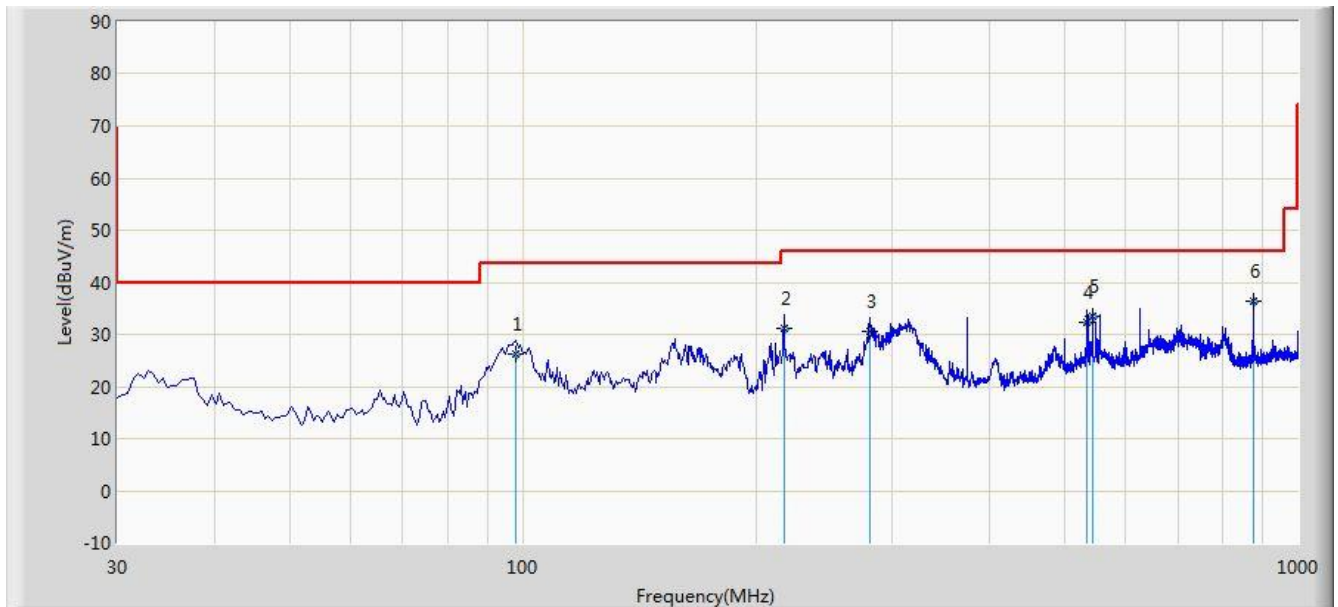
Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.2dBμV/m) or 15.209 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/12/01 - 01:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Worst case mode	



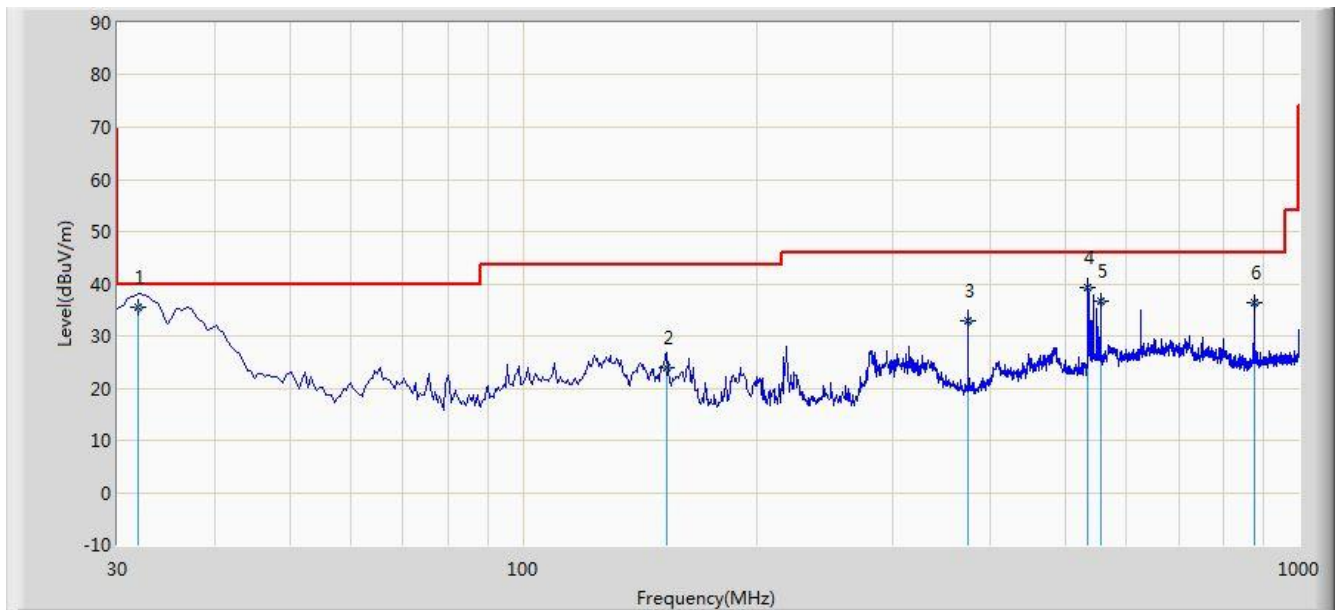
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			97.900	26.195	13.406	-17.305	43.500	12.789	QP
2			217.210	31.185	18.464	-14.815	46.000	12.721	QP
3			280.260	30.722	16.340	-15.278	46.000	14.382	QP
4			535.370	32.347	13.247	-13.653	46.000	19.100	QP
5			544.100	33.355	14.094	-12.645	46.000	19.261	QP
6		*	875.355	36.278	12.060	-9.722	46.000	24.218	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/12/01 - 01:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Worst case mode	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	31.940	35.638	23.245	-4.362	40.000	12.392	QP
2			153.190	23.918	14.210	-19.582	43.500	9.708	QP
3			374.835	32.773	16.348	-13.227	46.000	16.425	QP
4			535.370	39.254	20.154	-6.746	46.000	19.100	QP
5			555.255	36.554	17.050	-9.446	46.000	19.504	QP
6			875.355	36.389	12.171	-9.611	46.000	24.218	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

7.10. Radiated Restricted Band Edge Measurement

7.10.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
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

7.10.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.10.3.Test Setting

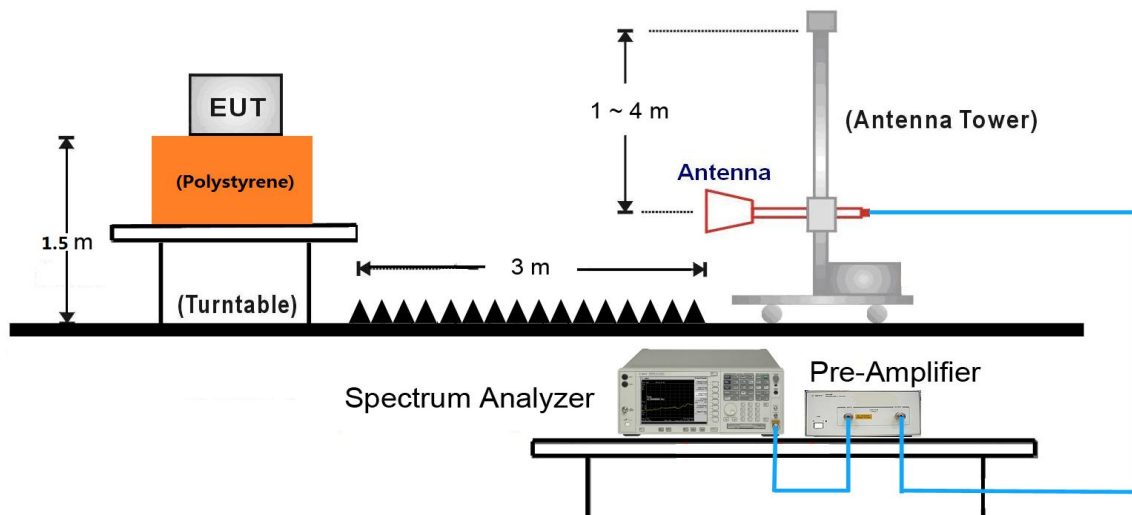
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

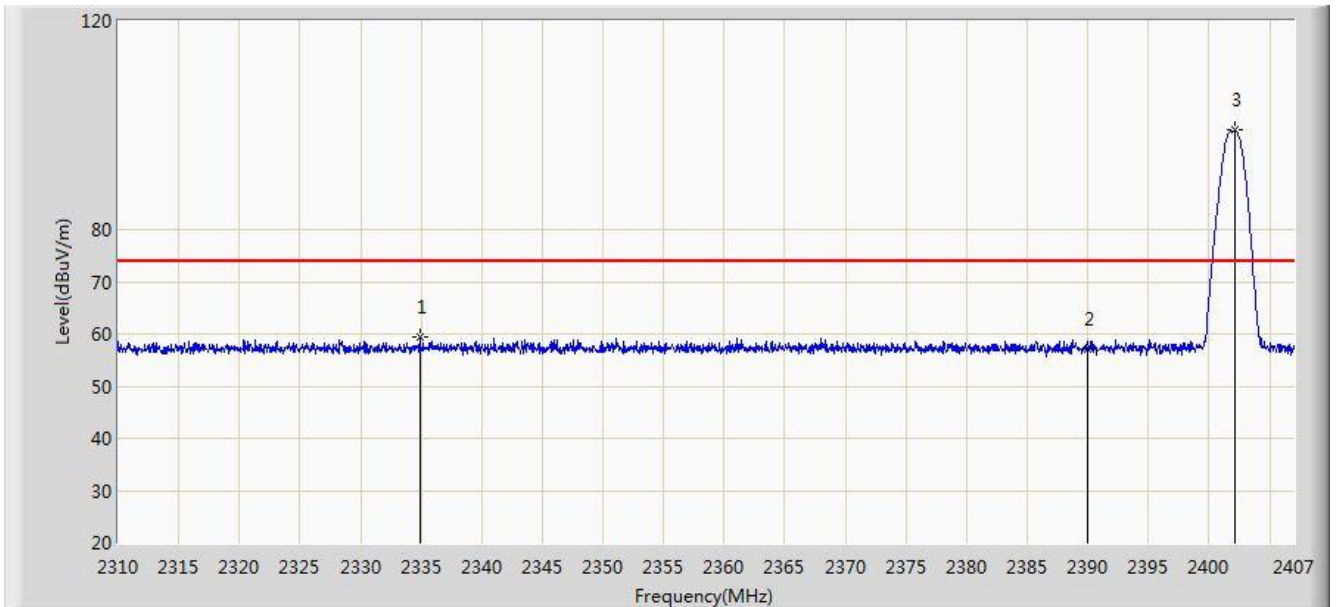
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.10.4.Test Setup



7.10.5.Test Result

Site: AC1	Time: 2018/11/28 - 14:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

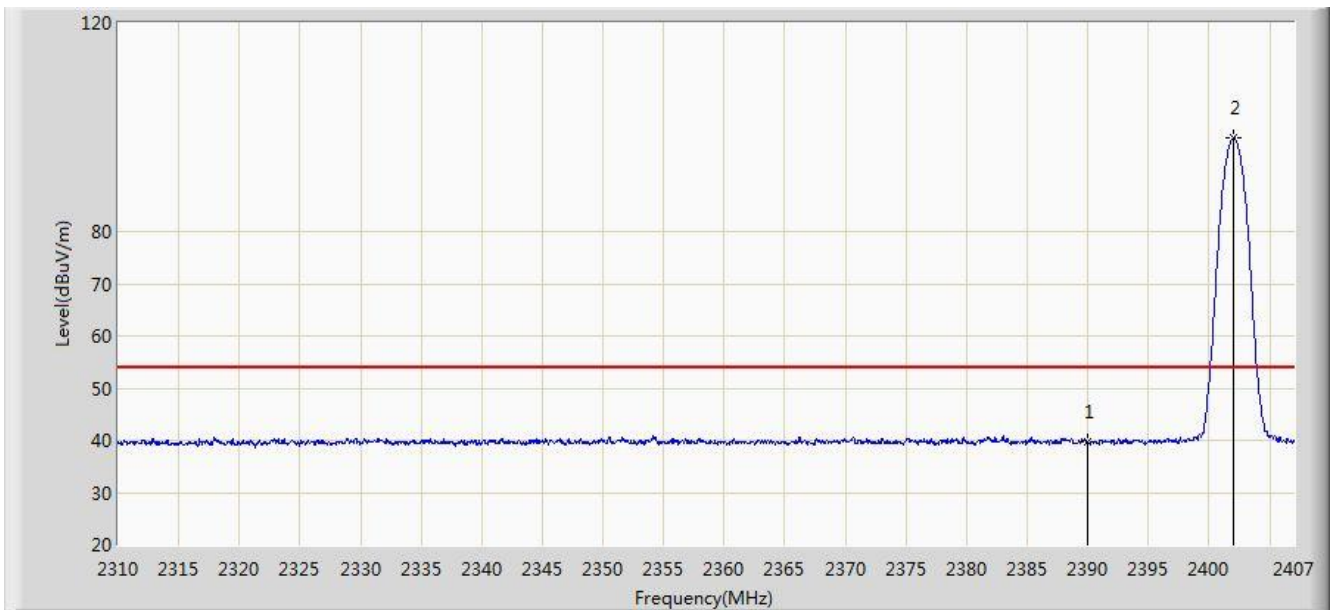


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2334.881	59.490	26.816	-14.510	74.000	32.674	PK
2			2390.000	57.230	24.676	-16.770	74.000	32.554	PK
3		*	2402.150	99.025	66.487	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

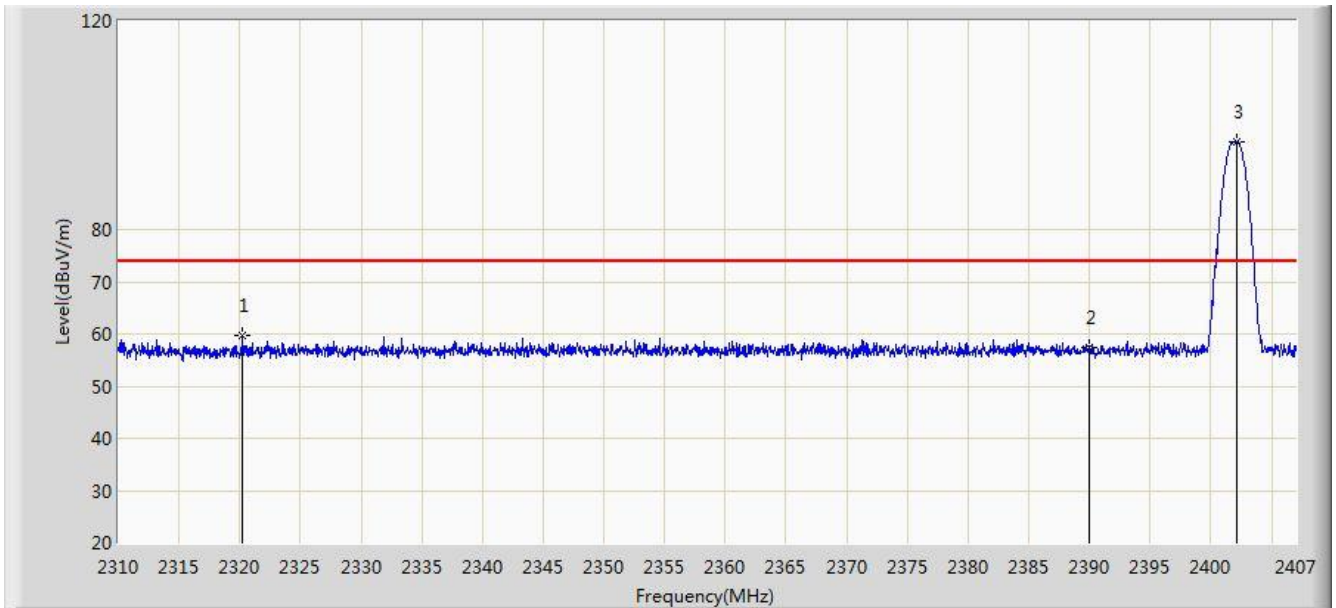


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	39.705	7.151	-14.295	54.000	32.554	AV
2		*	2401.956	97.881	65.342	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

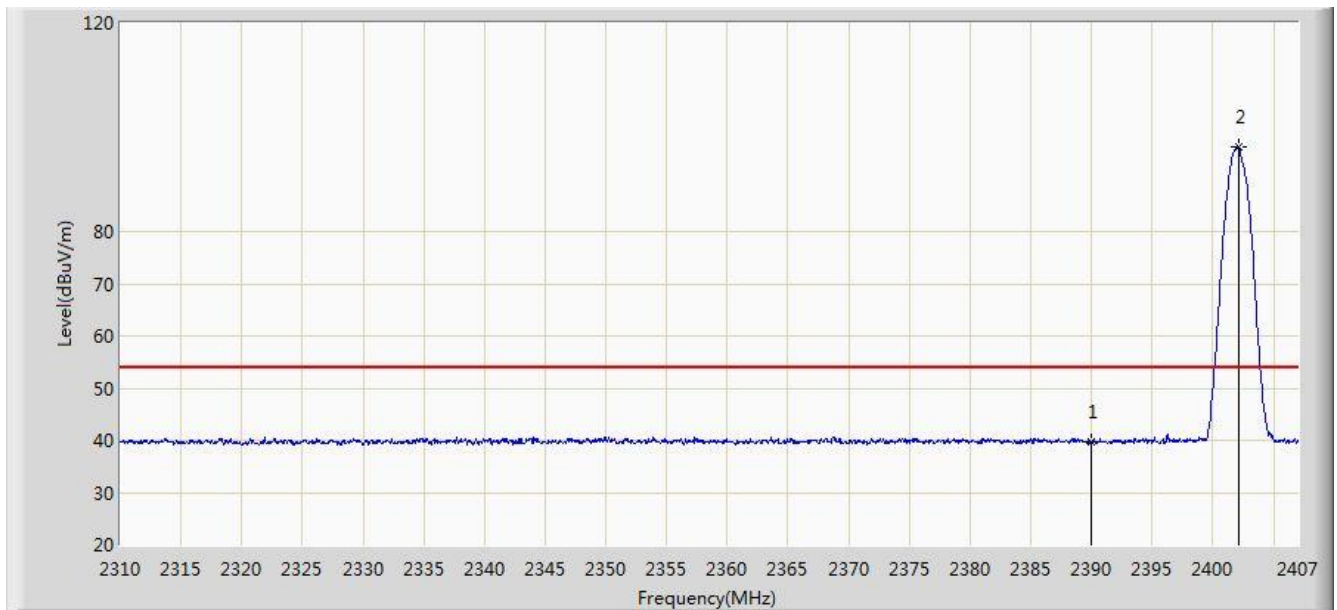


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2320.233	59.670	26.935	-14.330	74.000	32.735	PK
2			2390.000	57.386	24.832	-16.614	74.000	32.554	PK
3		*	2402.150	96.852	64.314	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2402MHz	

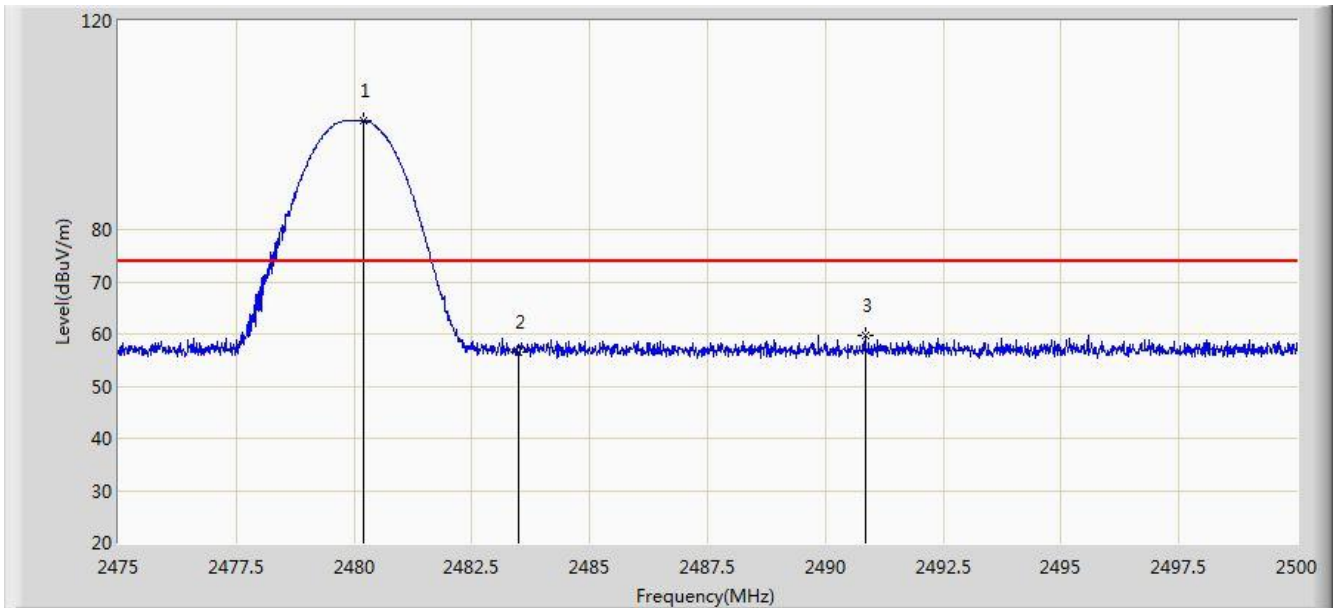


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	39.631	7.077	-14.369	54.000	32.554	AV
2		*	2402.102	96.342	63.804	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

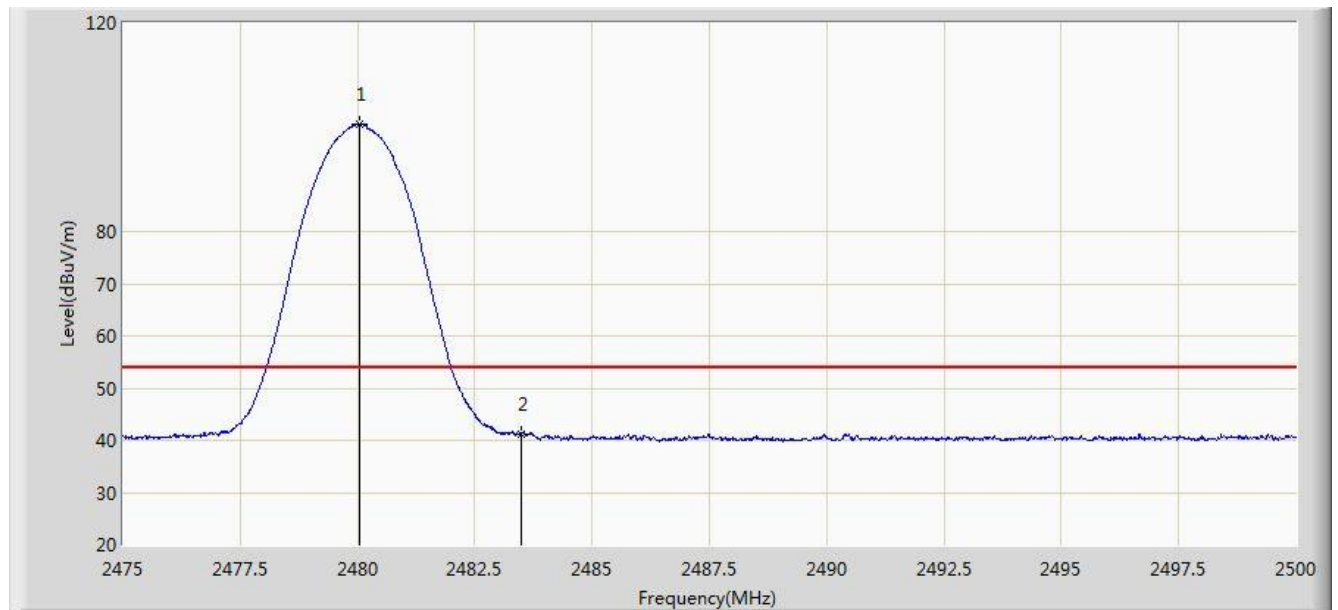


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.200	100.830	68.259	N/A	N/A	32.570	PK
2			2483.500	56.613	24.032	-17.387	74.000	32.580	PK
3			2490.837	59.697	27.094	-14.303	74.000	32.603	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

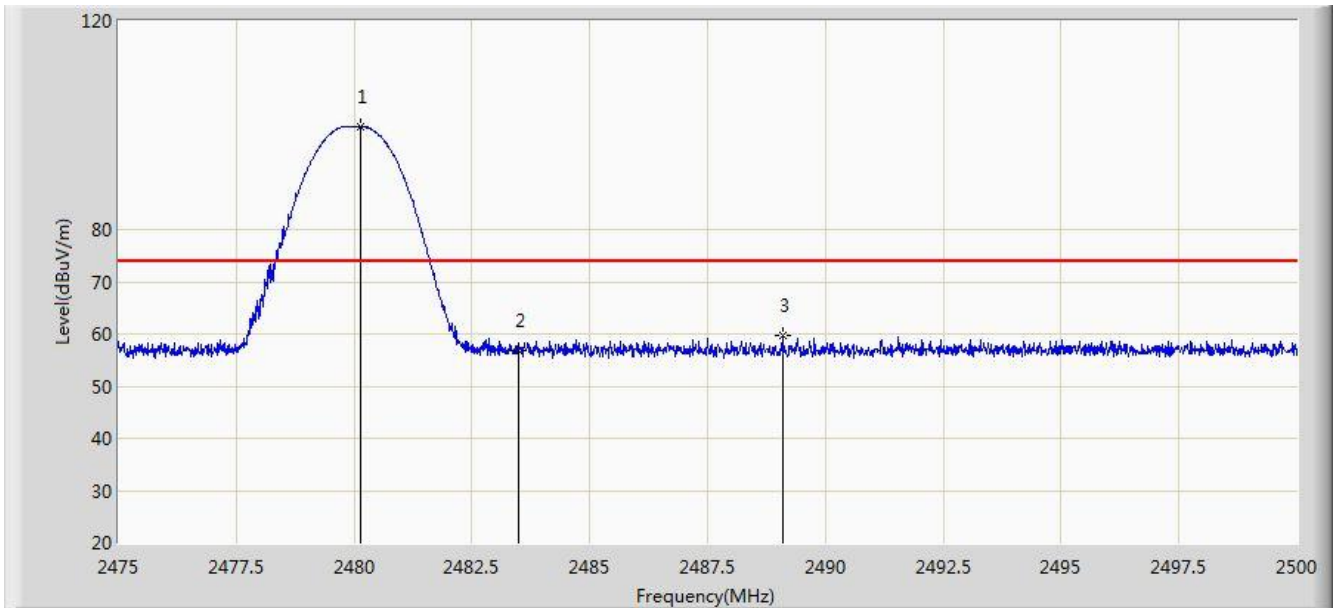


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.050	100.528	67.958	N/A	N/A	32.570	AV
2			2483.500	41.116	8.535	-12.884	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

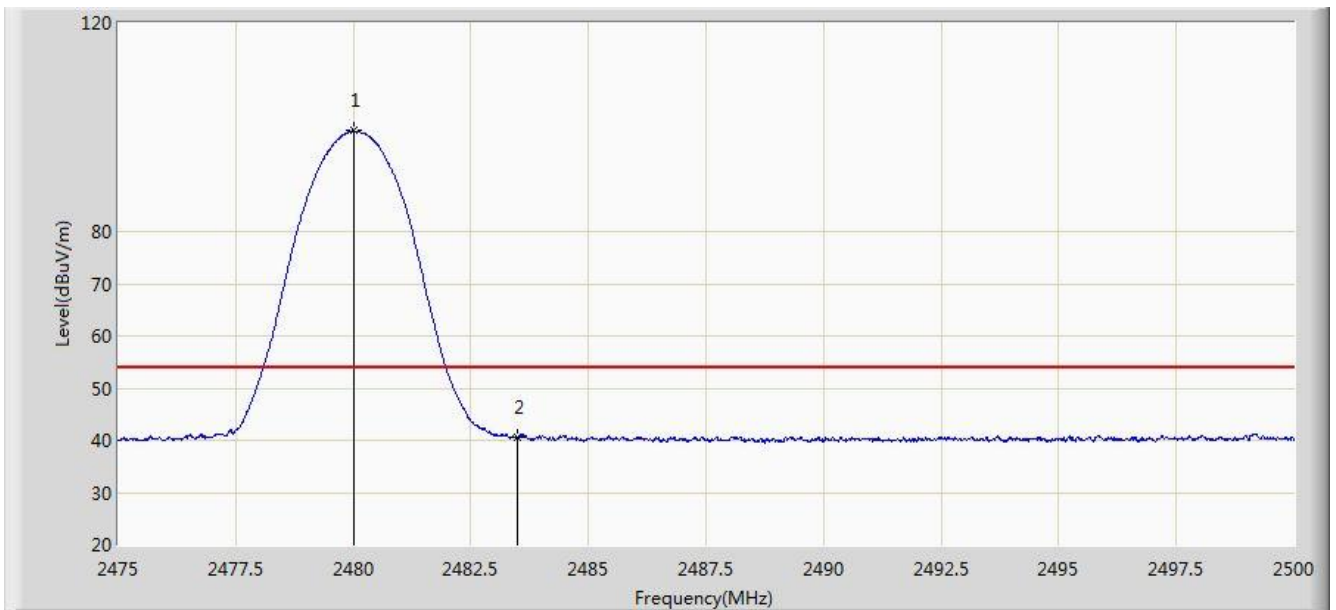


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.137	99.734	67.164	N/A	N/A	32.570	PK
2			2483.500	56.757	24.176	-17.243	74.000	32.580	PK
3			2489.100	59.633	27.036	-14.367	74.000	32.597	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by DH5 at Channel 2480MHz	

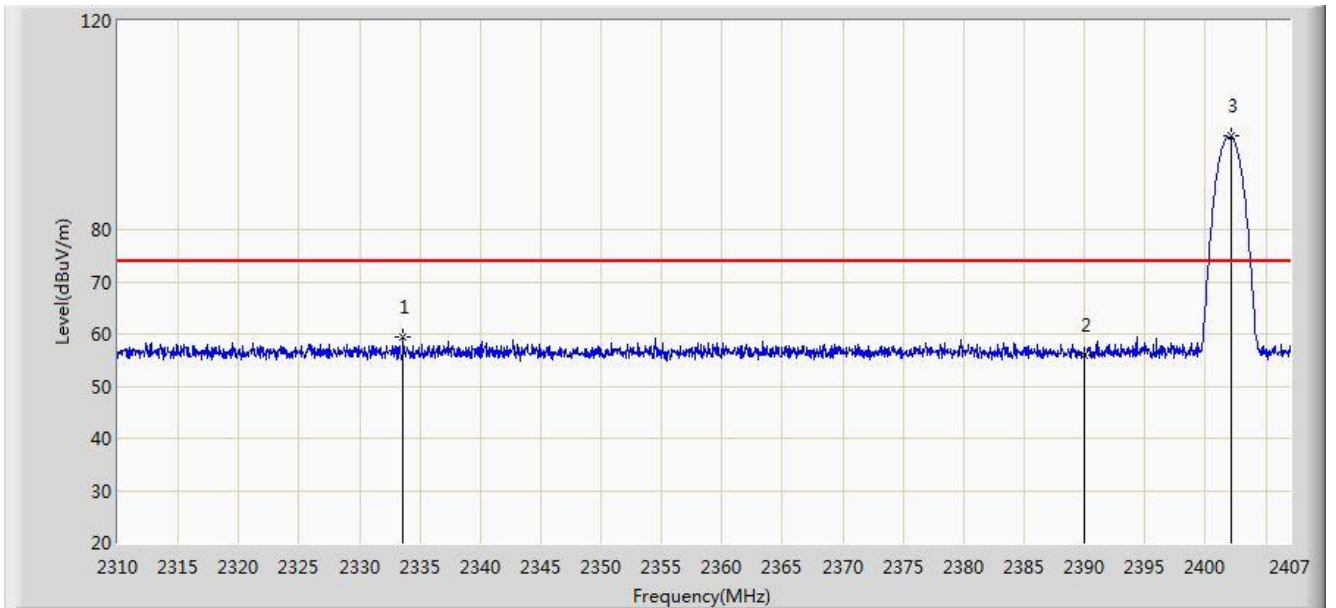


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.012	99.298	66.728	N/A	N/A	32.570	AV
2			2483.500	40.678	8.097	-13.322	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

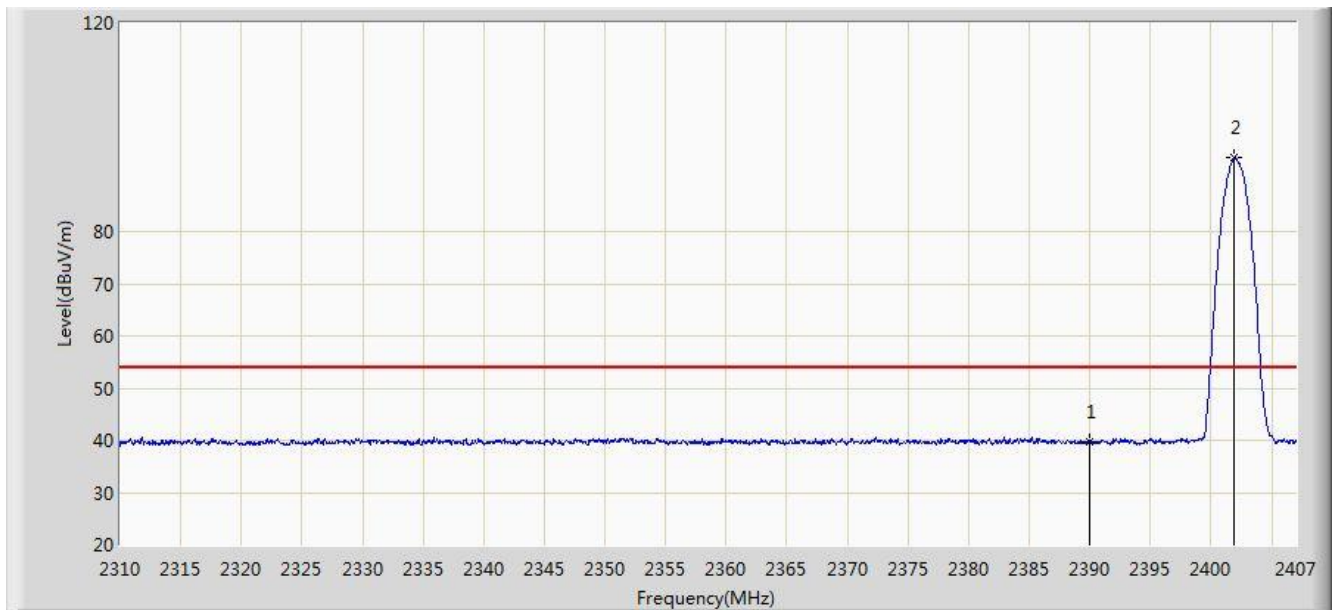


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2333.619	59.312	26.633	-14.688	74.000	32.679	PK
2			2390.000	56.079	23.525	-17.921	74.000	32.554	PK
3		*	2402.150	97.856	65.318	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

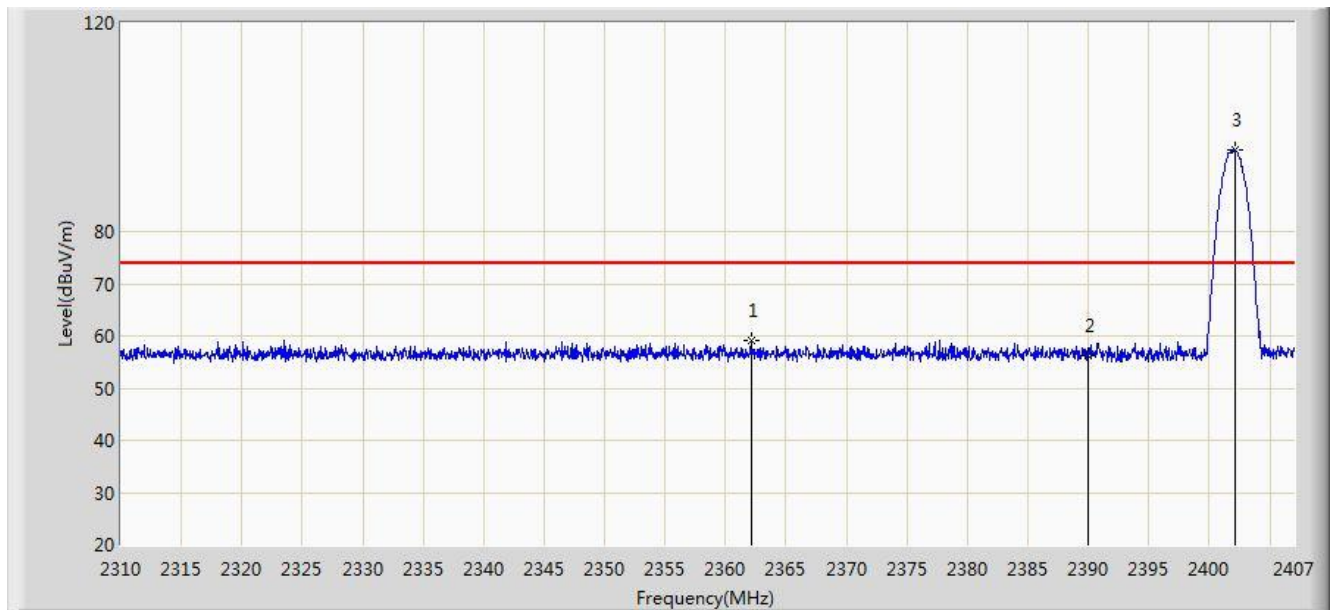


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	39.689	7.135	-14.311	54.000	32.554	AV
2		*	2401.907	94.167	61.628	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

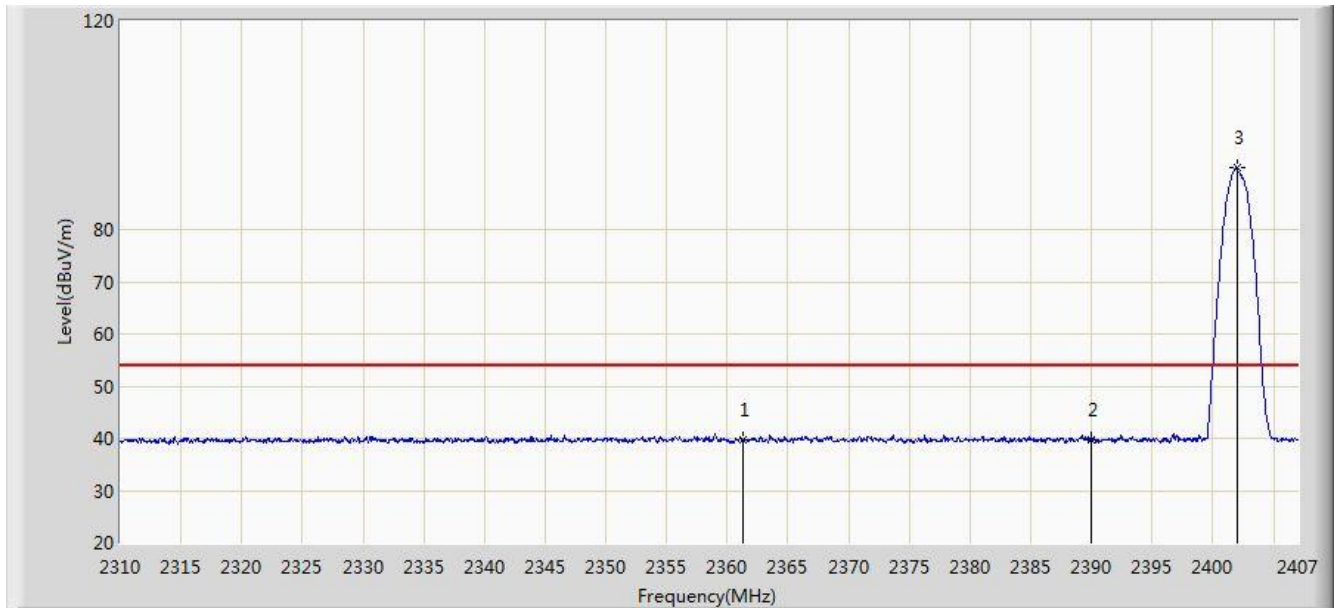


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2362.089	59.144	26.551	-14.856	74.000	32.594	PK
2			2390.000	56.361	23.807	-17.639	74.000	32.554	PK
3		*	2402.150	95.628	63.090	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

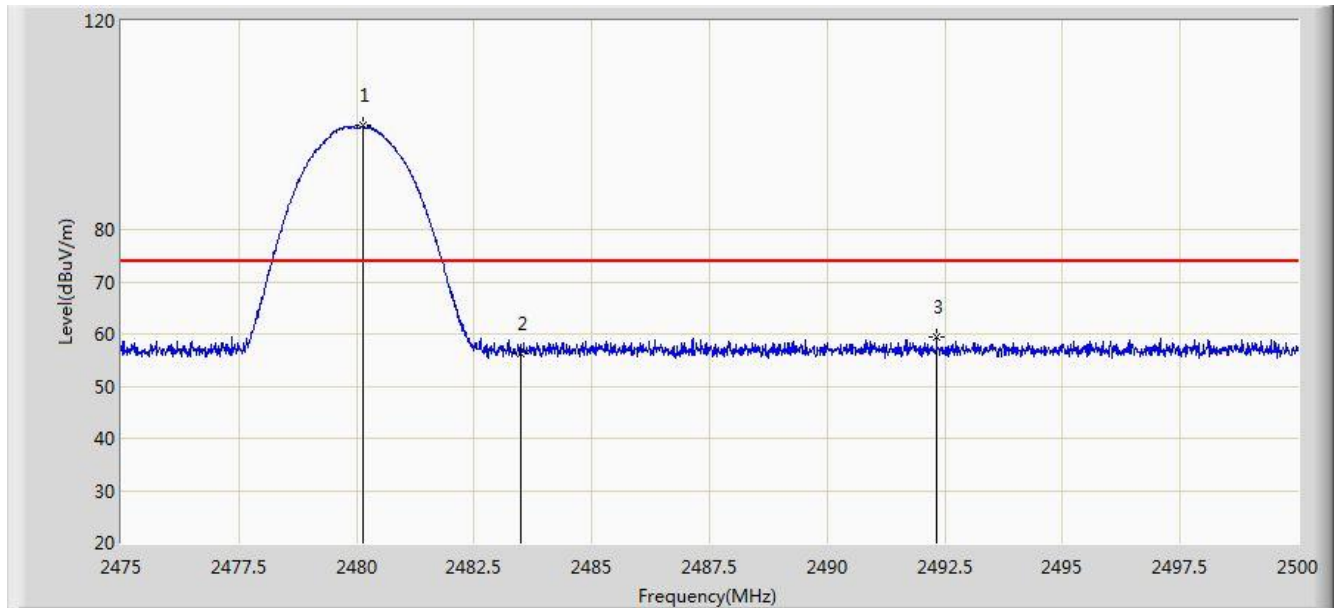


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2361.264	39.755	7.160	-14.245	54.000	32.595	AV
2			2390.000	39.816	7.262	-14.184	54.000	32.554	AV
3		*	2401.956	91.953	59.414	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

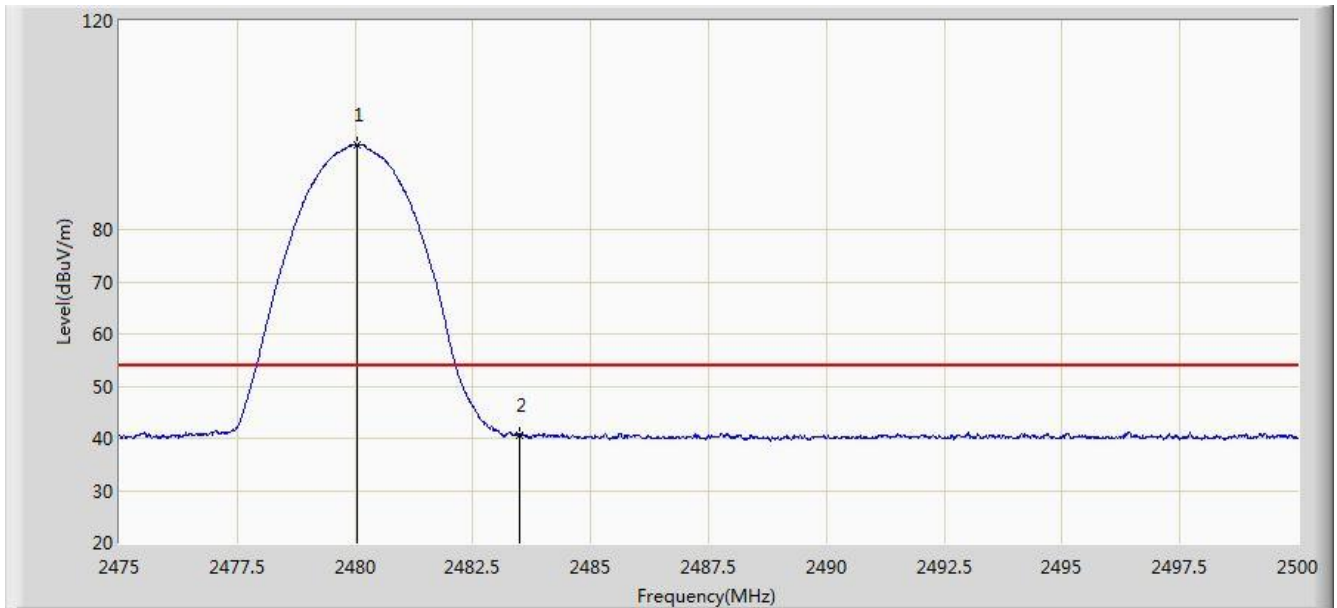


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.125	99.865	67.295	N/A	N/A	32.570	PK
2			2483.500	56.309	23.728	-17.691	74.000	32.580	PK
3			2492.325	59.426	26.819	-14.574	74.000	32.607	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

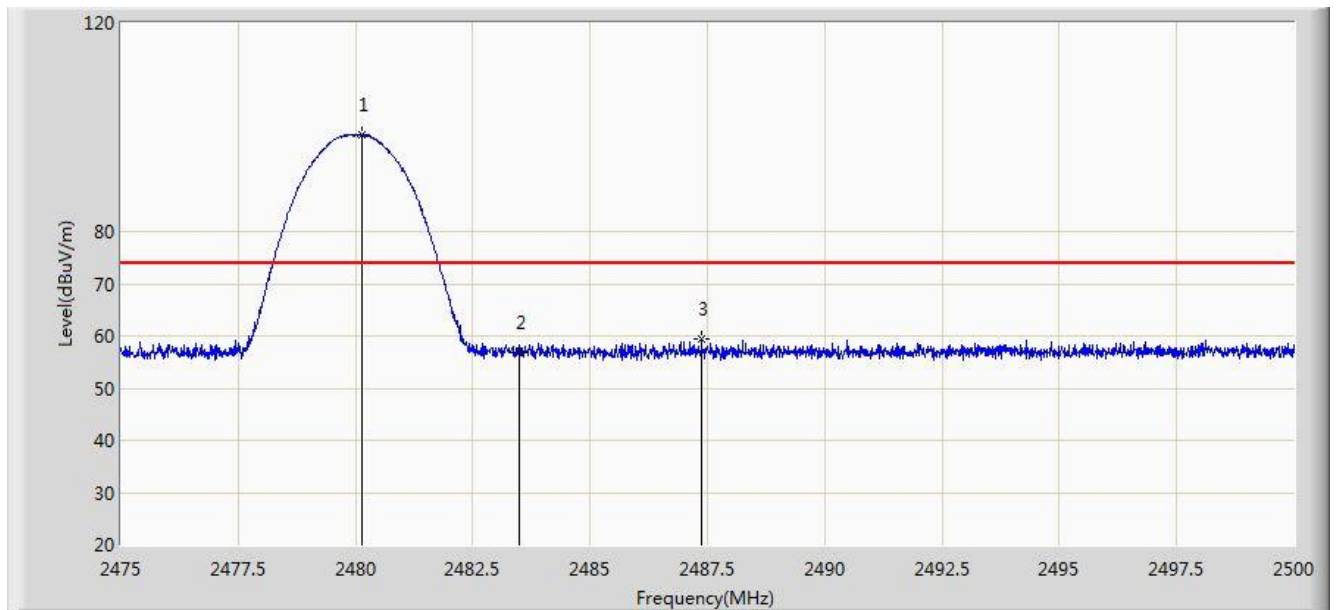


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.050	96.322	63.752	N/A	N/A	32.570	AV
2			2483.500	40.628	8.047	-13.372	54.000	32.580	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

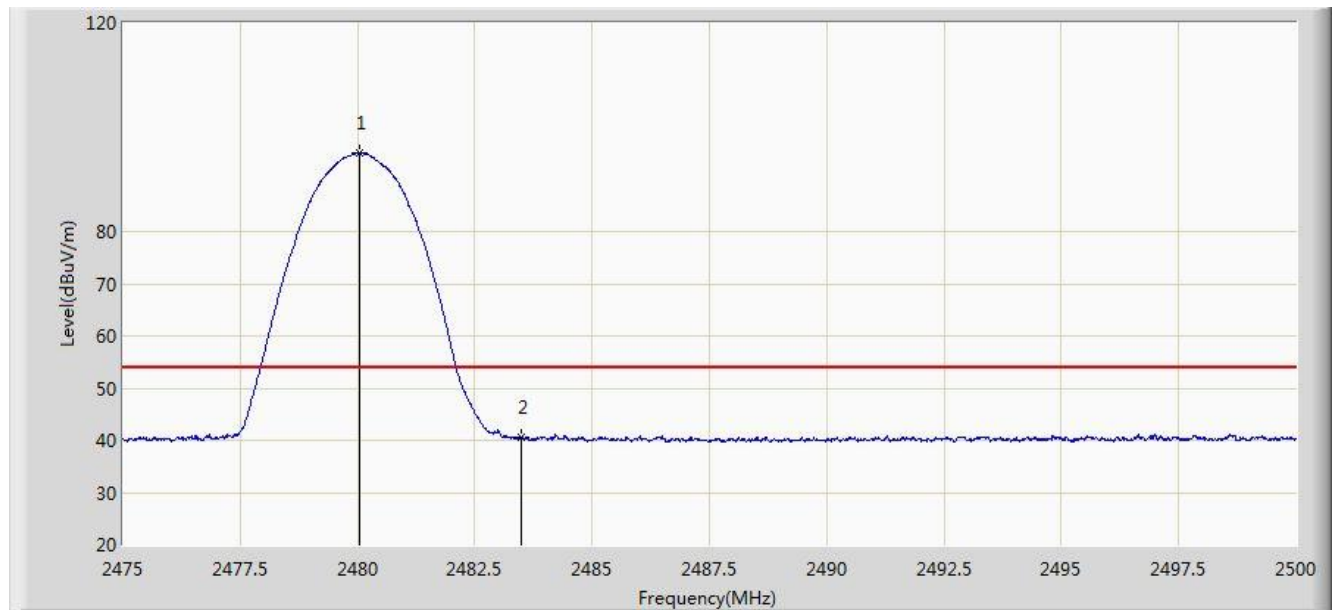


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.125	98.595	66.025	N/A	N/A	32.570	PK
2			2483.500	56.842	24.261	-17.158	74.000	32.580	PK
3			2487.375	59.297	26.705	-14.703	74.000	32.592	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

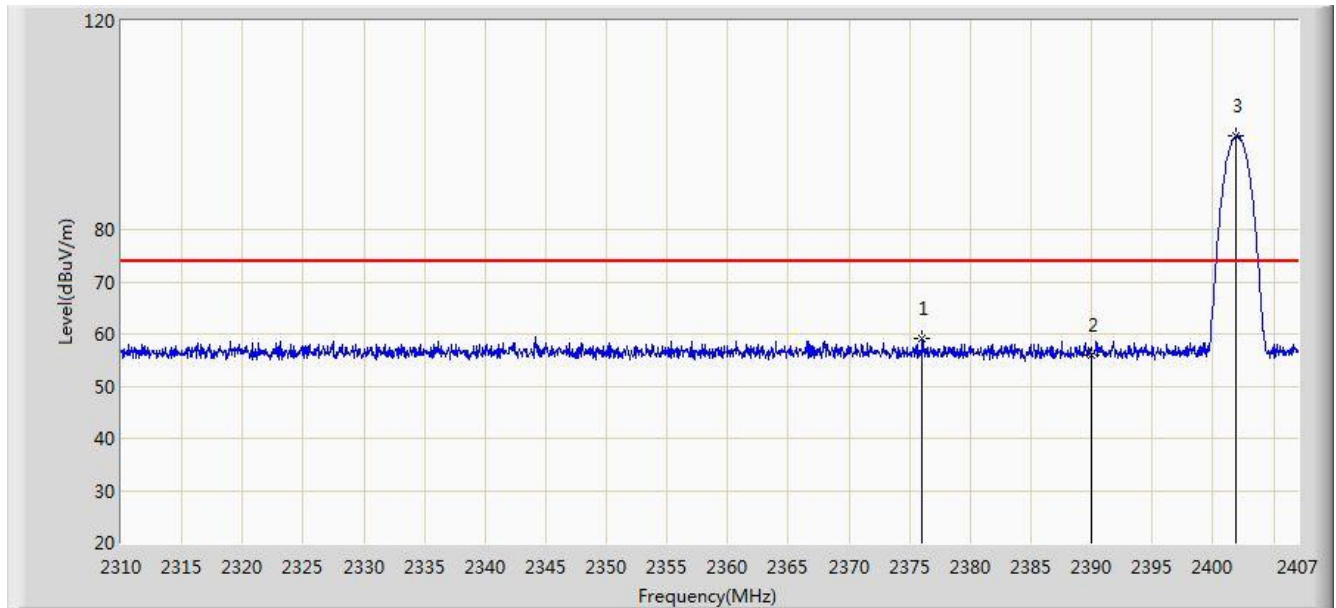


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.050	95.038	62.468	N/A	N/A	32.570	AV
2			2483.500	40.669	8.088	-13.331	54.000	32.580	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 15:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

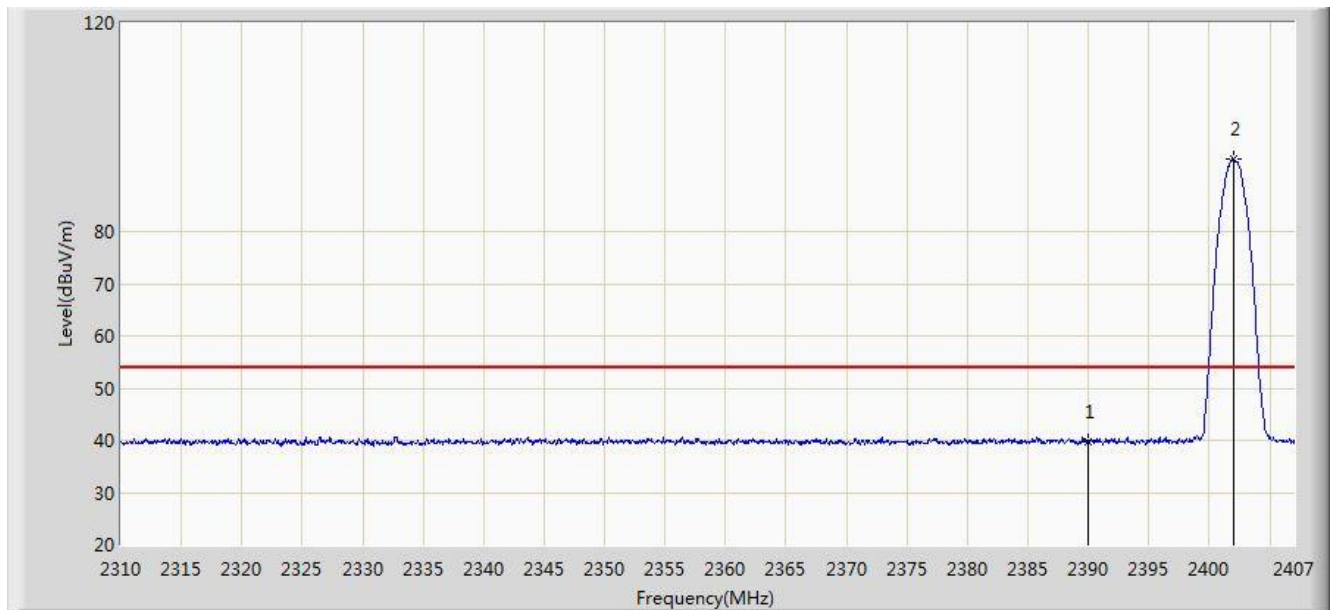


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2376.057	59.117	26.543	-14.883	74.000	32.573	PK
2			2390.000	55.991	23.437	-18.009	74.000	32.554	PK
3		*	2401.907	98.074	65.535	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

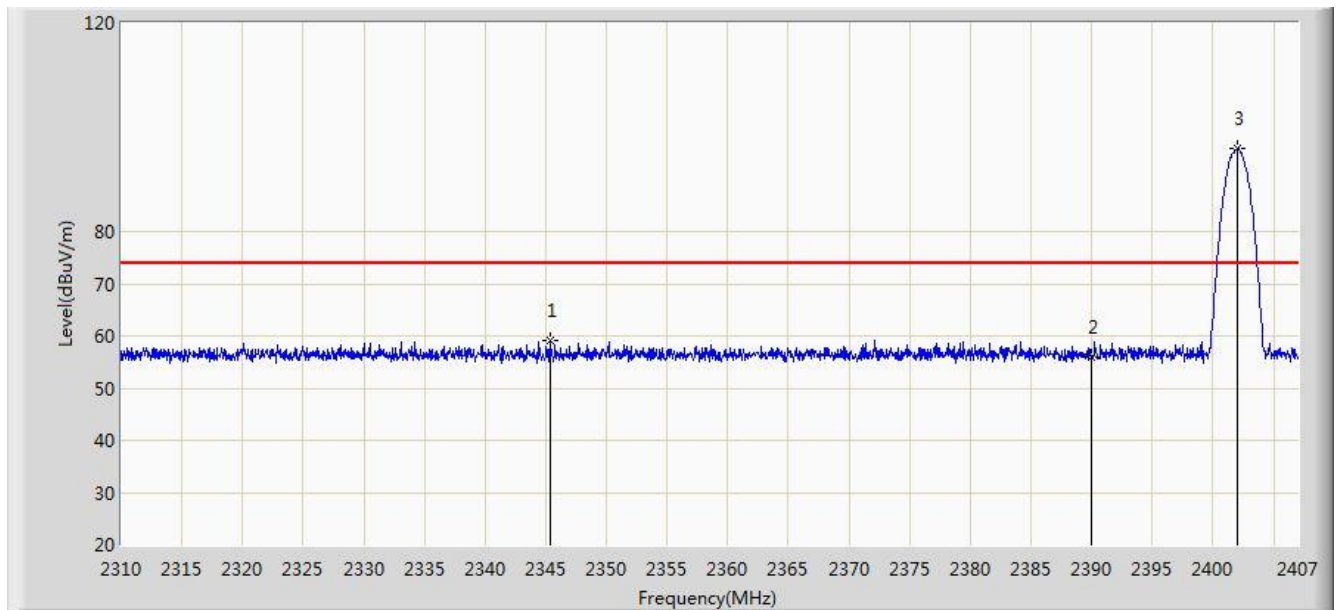


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	39.815	7.261	-14.185	54.000	32.554	AV
2		*	2401.956	94.051	61.512	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

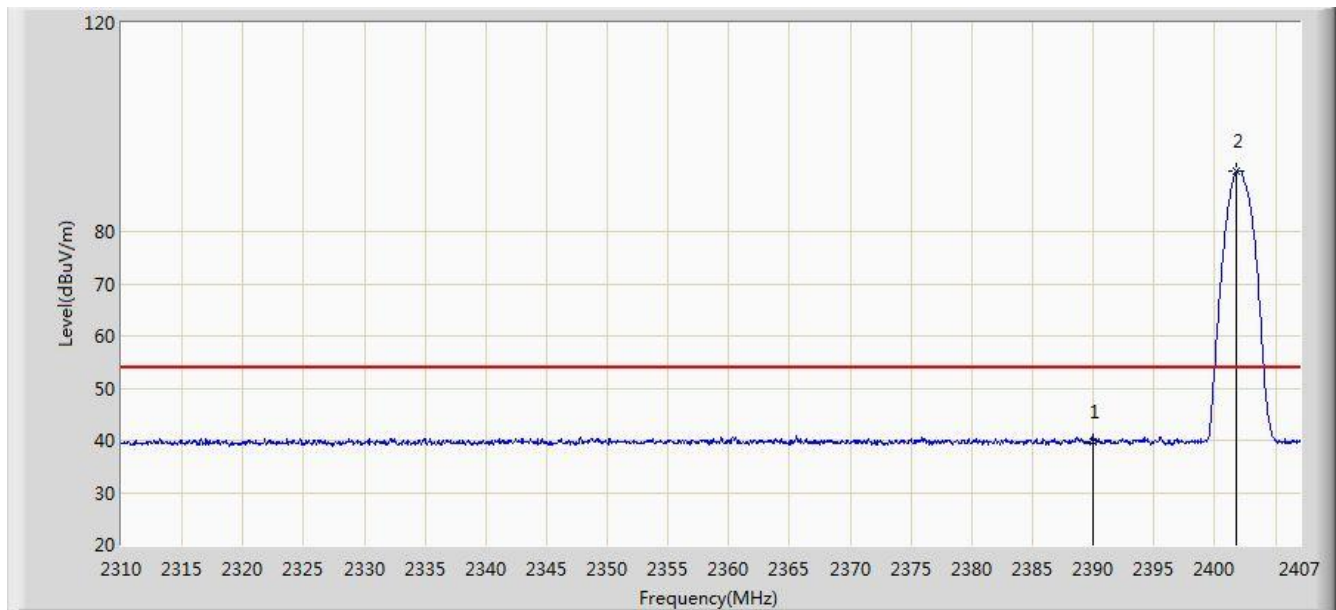


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2345.405	59.124	26.490	-14.876	74.000	32.634	PK
2			2390.000	55.955	23.401	-18.045	74.000	32.554	PK
3		*	2402.004	95.948	63.409	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

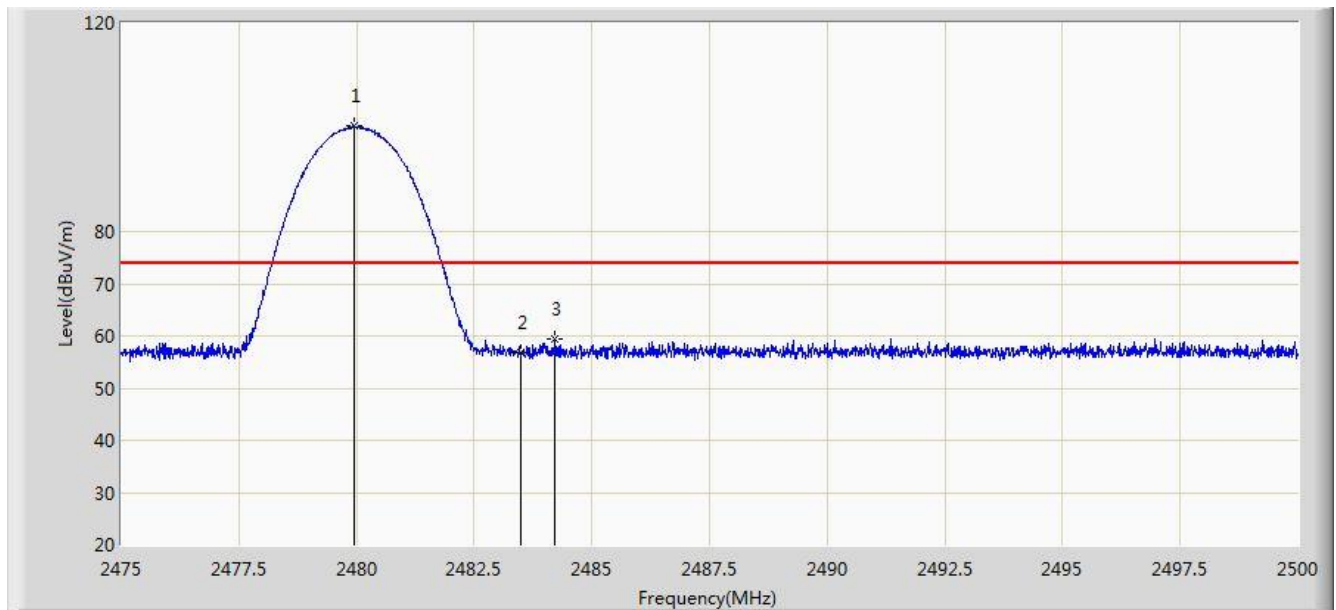


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	39.802	7.248	-14.198	54.000	32.554	AV
2		*	2401.811	91.661	59.122	N/A	N/A	32.539	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

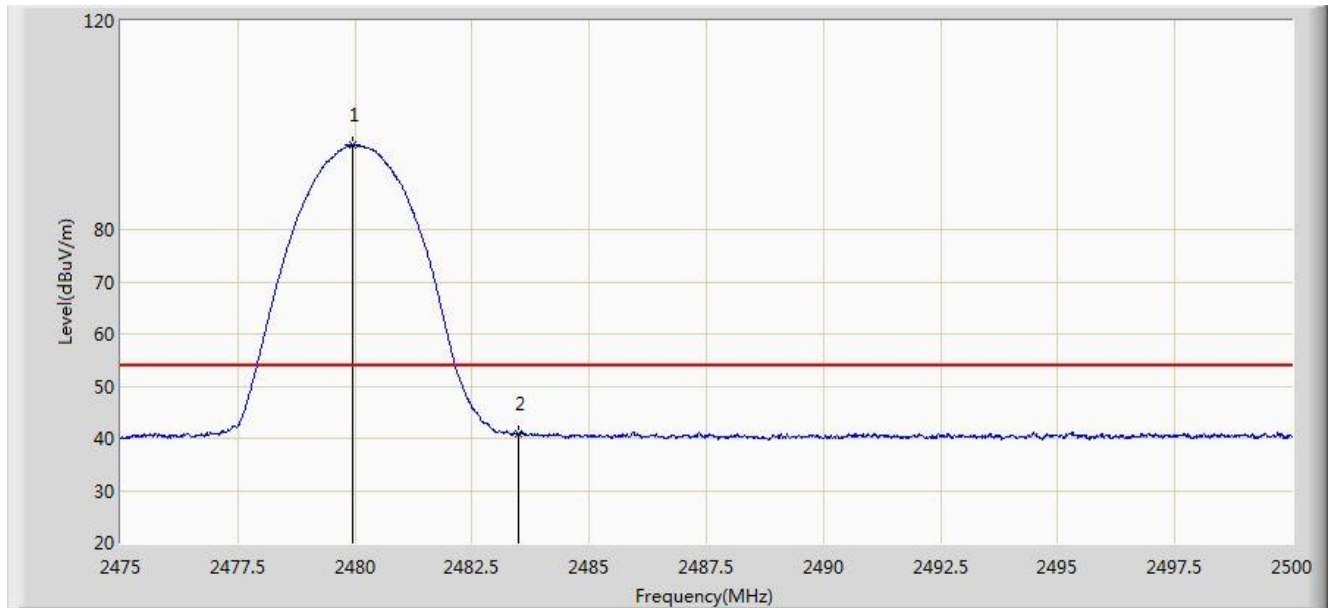


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.950	100.158	67.588	N/A	N/A	32.570	PK
2			2483.500	56.897	24.316	-17.103	74.000	32.580	PK
3			2484.225	59.538	26.955	-14.462	74.000	32.583	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

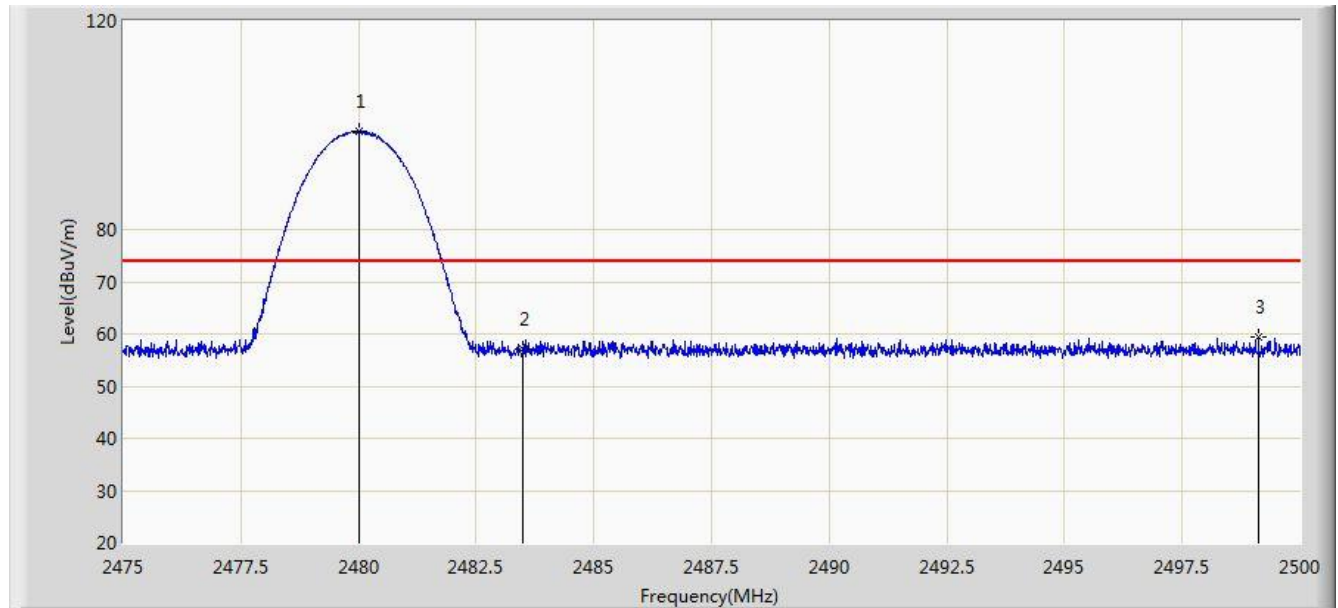


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.962	96.218	63.648	N/A	N/A	32.570	AV
2			2483.500	40.768	8.187	-13.232	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

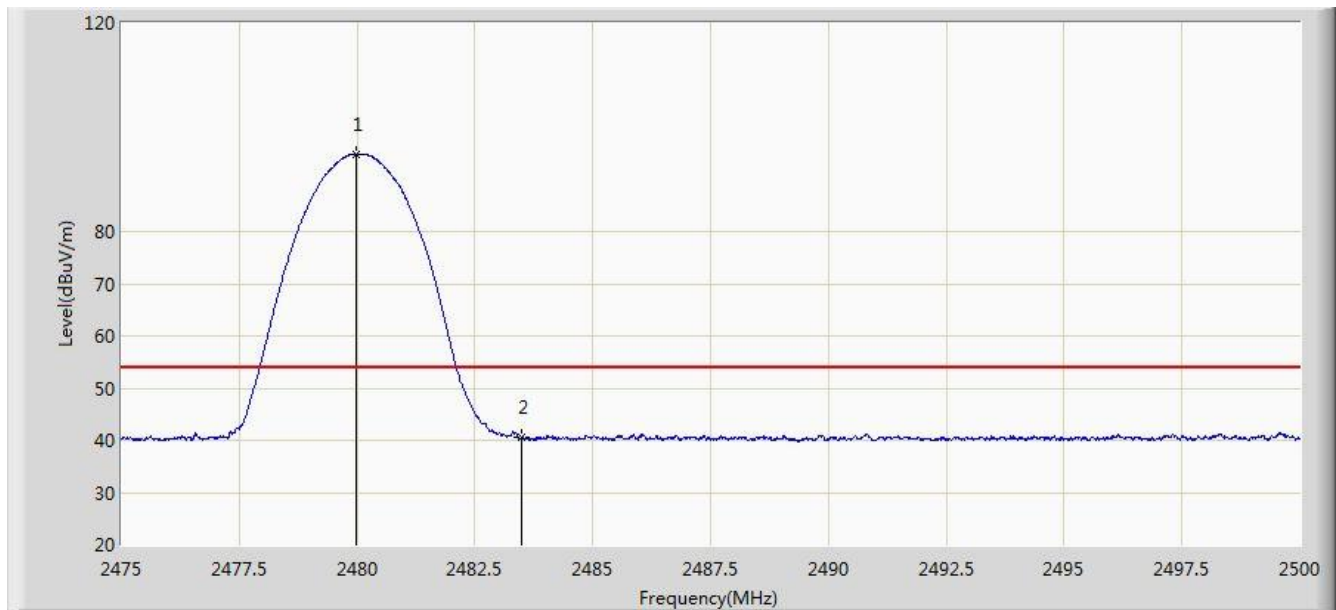


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.012	98.900	66.330	N/A	N/A	32.570	PK
2			2483.500	56.993	24.412	-17.007	74.000	32.580	PK
3			2499.125	59.437	26.811	-14.563	74.000	32.627	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2018/11/28 - 16:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at Channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.988	94.867	62.297	N/A	N/A	32.570	AV
2			2483.500	40.570	7.989	-13.430	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.11. AC Conducted Emissions Measurement

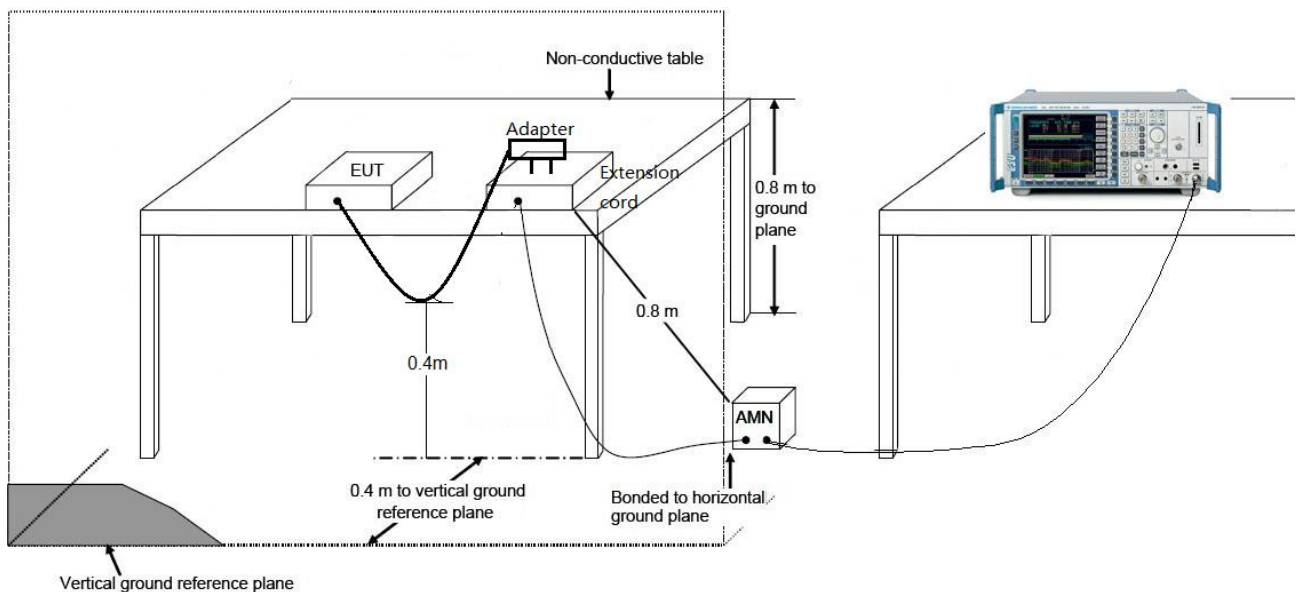
7.11.1. Test Limit

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

Note 1: The lower limit shall apply at the transition frequencies.

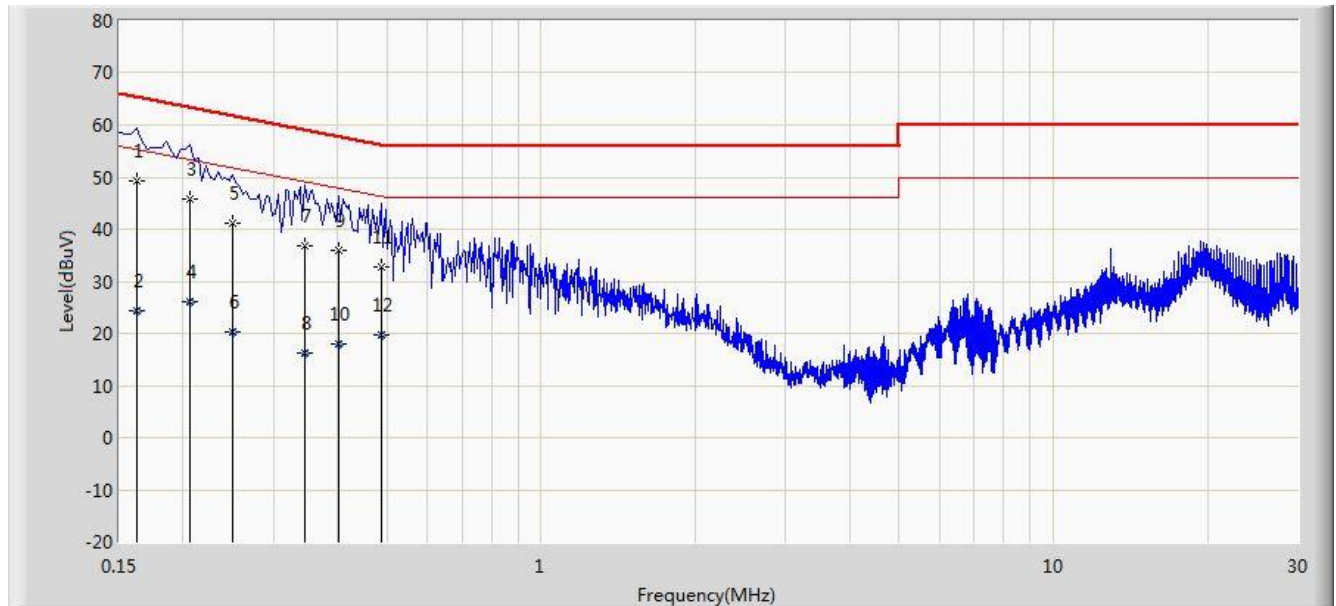
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.11.2. Test Setup



7.11.3.Test Result

Site: SR2	Time: 2018/11/27 - 15:10
Limit: FCC_Part15.207_CE_AC Power	Engineer: Kevin Ker
Probe: ENV216_Filter On	Polarity: Line
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Worst Mode	

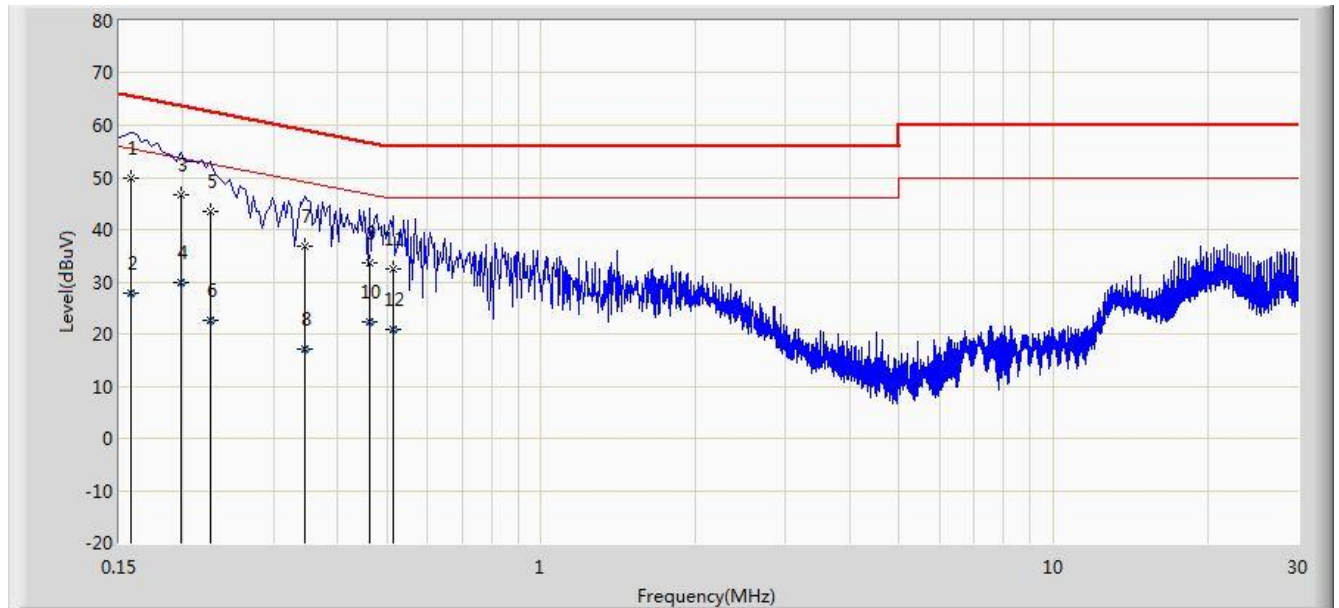


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.162	49.343	39.308	-16.018	65.361	10.035	QP
2			0.162	24.359	14.324	-31.002	55.361	10.035	AV
3			0.206	45.762	35.760	-17.603	63.365	10.002	QP
4			0.206	26.170	16.168	-27.195	53.365	10.002	AV
5			0.250	41.039	31.071	-20.719	61.757	9.967	QP
6			0.250	20.212	10.244	-31.546	51.757	9.967	AV
7			0.346	36.685	26.670	-22.373	59.058	10.014	QP
8			0.346	16.163	6.148	-32.895	49.058	10.014	AV
9			0.402	36.083	26.041	-21.729	57.812	10.041	QP
10			0.402	18.080	8.038	-29.732	47.812	10.041	AV
11			0.486	32.761	22.678	-23.475	56.236	10.083	QP
12			0.486	19.651	9.568	-26.585	46.236	10.083	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SR2	Time: 2018/11/27 - 15:14
Limit: FCC_Part15.207_CE_AC Power	Engineer: Kevin Ker
Probe: ENV216_Filter On	Polarity: Neutral
EUT: AX11000 MU-MIMO Tri-Band Gaming Router	Power: AC 120V/60Hz
Worst Mode	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.158	49.758	39.576	-15.811	65.568	10.182	QP
2			0.158	27.703	17.521	-27.866	55.568	10.182	AV
3			0.198	46.582	36.573	-17.112	63.694	10.010	QP
4			0.198	29.809	19.800	-23.885	53.694	10.010	AV
5			0.226	43.527	33.578	-19.068	62.595	9.949	QP
6			0.226	22.610	12.661	-29.985	52.595	9.949	AV
7			0.346	36.917	26.893	-22.140	59.058	10.024	QP
8			0.346	17.043	7.019	-32.014	49.058	10.024	AV
9			0.462	33.583	23.486	-23.074	56.657	10.097	QP
10			0.462	22.221	12.124	-24.436	46.657	10.097	AV
11			0.514	32.539	22.428	-23.461	56.000	10.112	QP
12			0.514	20.803	10.692	-25.197	46.000	10.112	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **AX11000 MU-MIMO Tri-Band Gaming Router** is in compliance with Part 15C of the FCC rules.

The End

Appendix A - Test Setup Photograph

Refer to “1811TW0112-UT” file.

Appendix B - EUT Photograph

Refer to “1811TW0112-UE” file.