

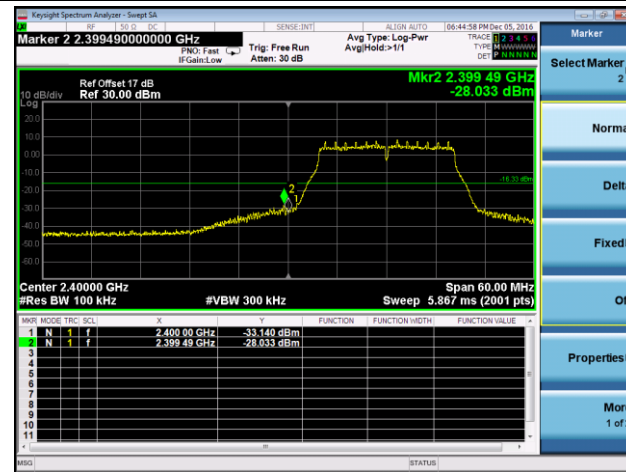
802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

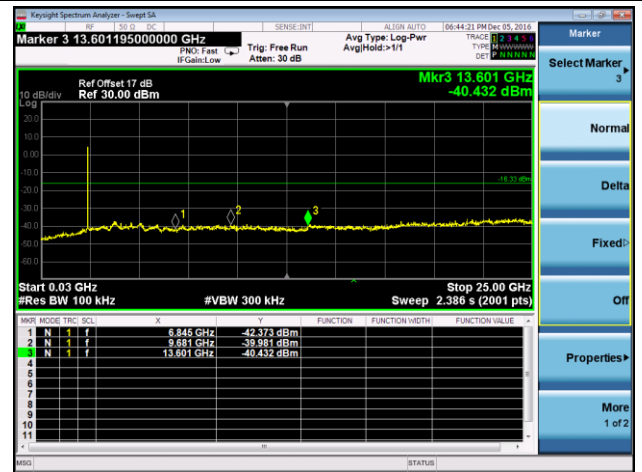


Channel 01 (2412MHz)

Low Band Edge

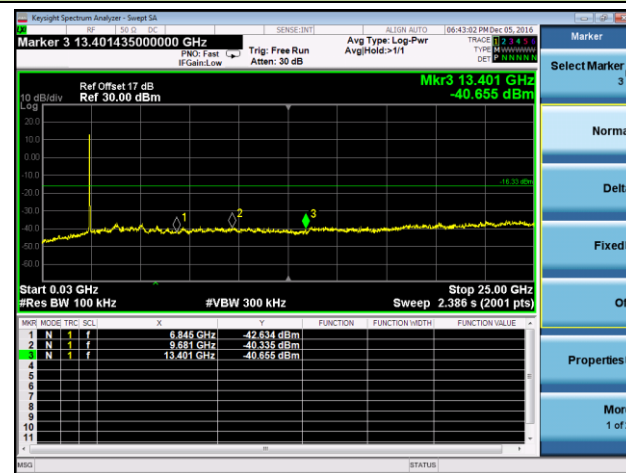


Spurious Emission



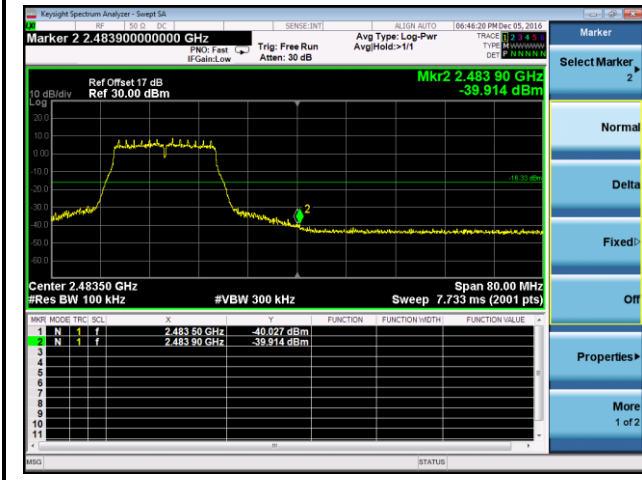
Channel 06 (2437MHz)

Spurious Emission

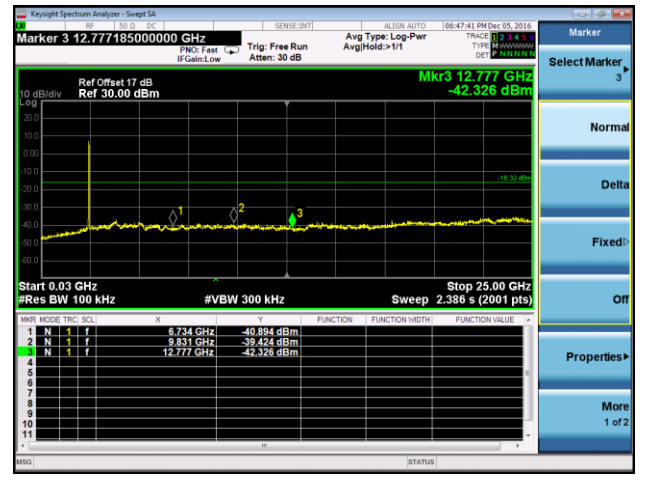


Channel 11 (2462MHz)

High Band Edge

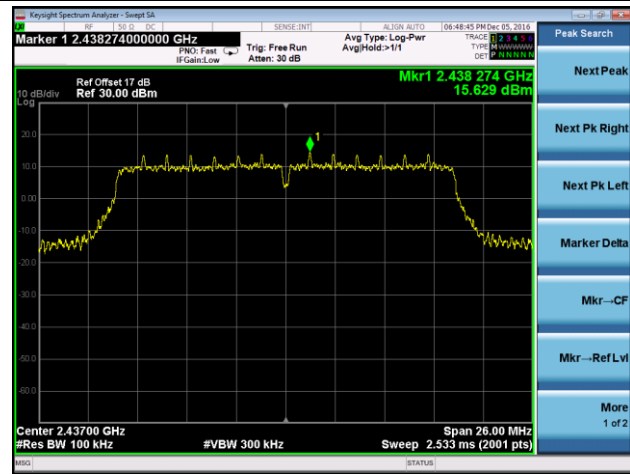


Spurious Emission



802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

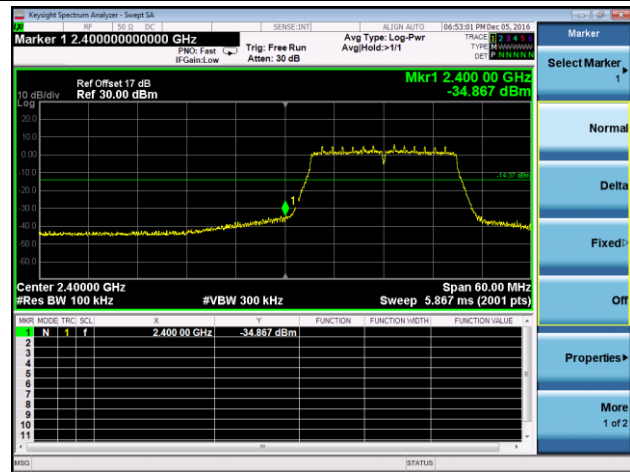


Navigation and control buttons for the spectrum analyzer interface:

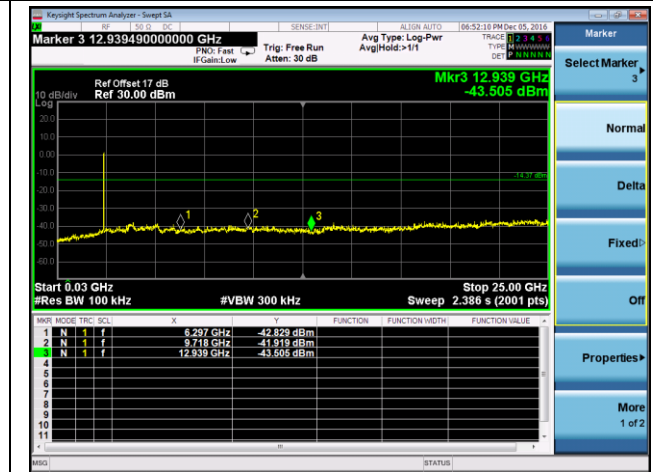
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr--CF
- Mkr--Ref Lvl
- More

Channel 01 (2412MHz)

Low Band Edge

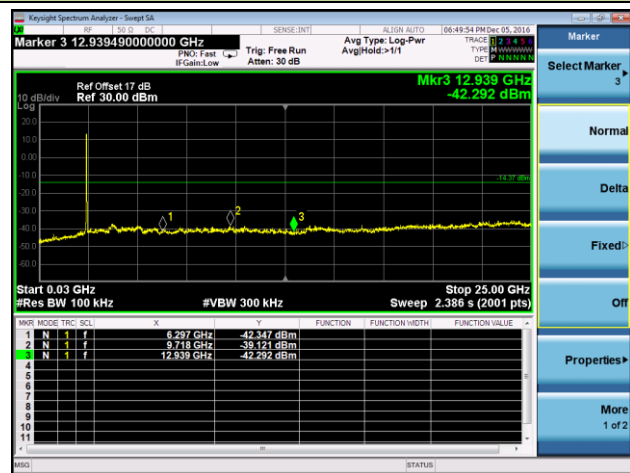


Spurious Emission



Channel 06 (2437MHz)

Spurious Emission

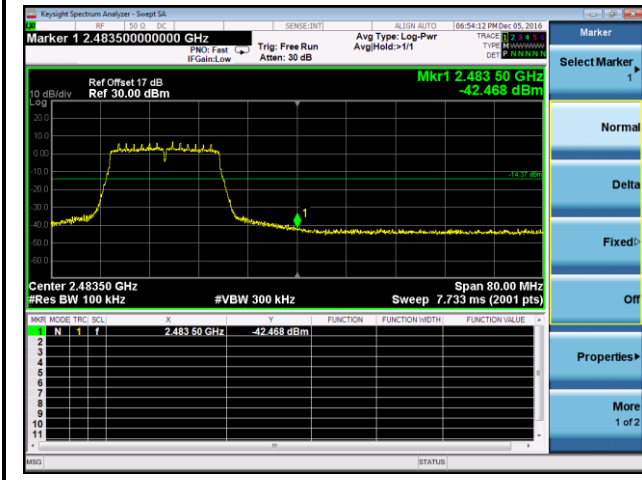


Navigation and control buttons for the spectrum analyzer interface:

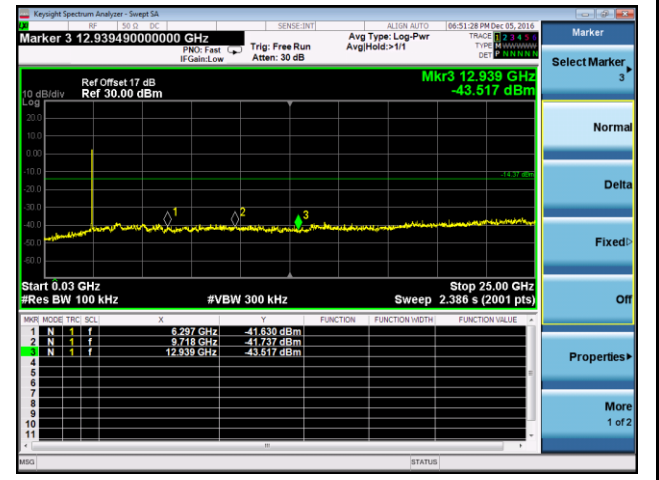
- Marker
- Select Marker 3
- Normal
- Delta
- Fixed
- Off
- Properties
- More

Channel 11 (2462MHz)

High Band Edge

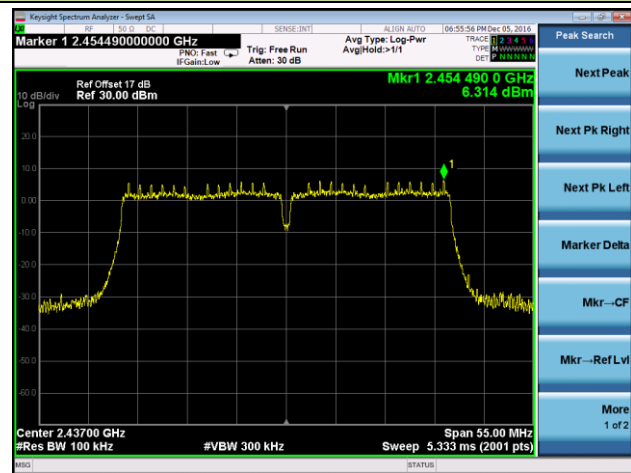


Spurious Emission



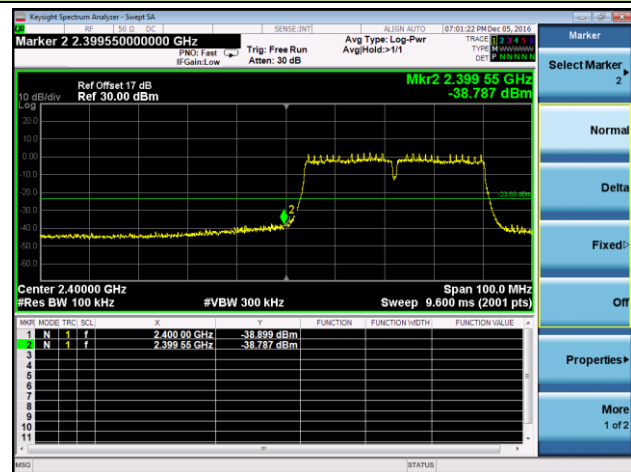
802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

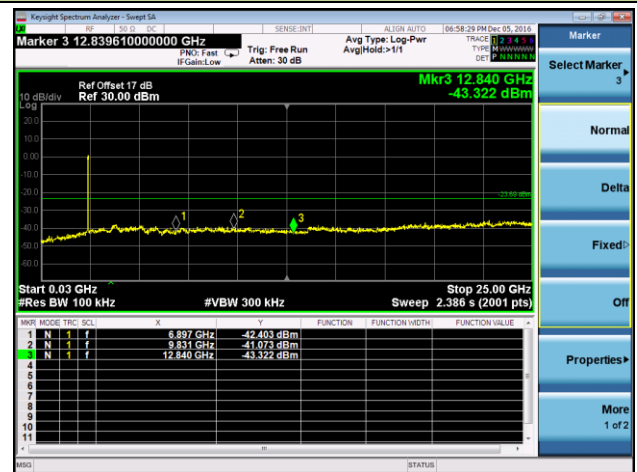


Channel 03 (2422MHz)

Low Band Edge

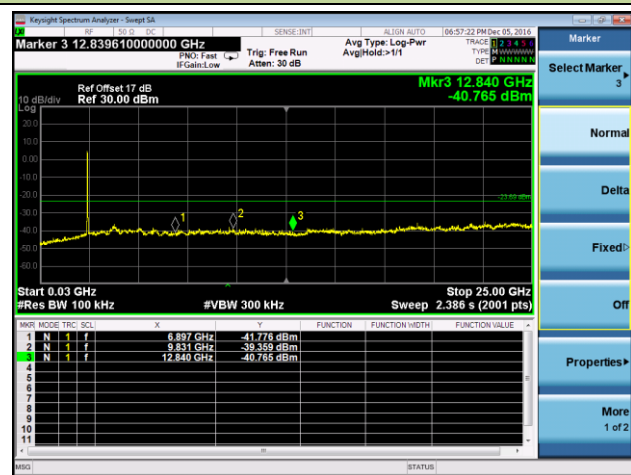


Spurious Emission



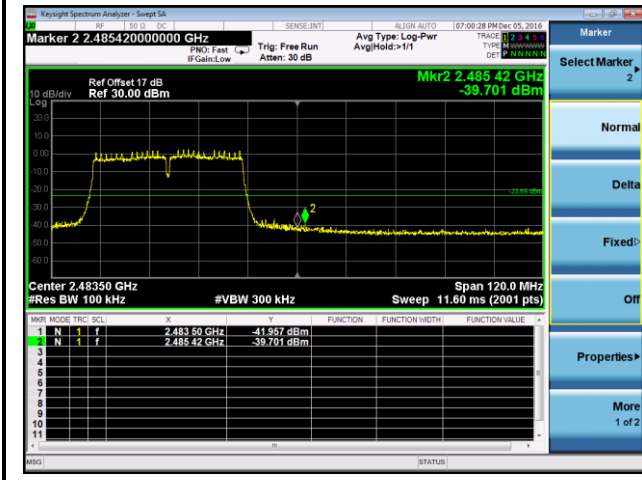
Channel 06 (2437MHz)

Spurious Emission

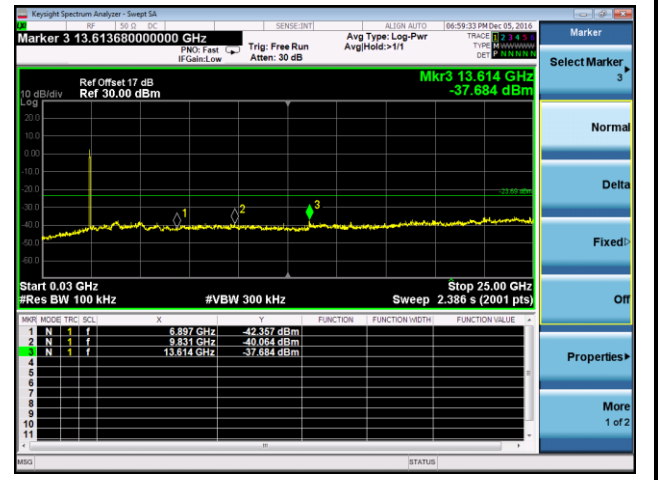


Channel 09 (2452MHz)

High Band Edge



Spurious Emission



7.6. Radiated Spurious Emission Measurement

7.6.1. 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

7.6.2. Test Procedure Used

KDB 558074 D01v03r05 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r05 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r05 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

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

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW \geq 1/T

4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode

5. Detector = Peak

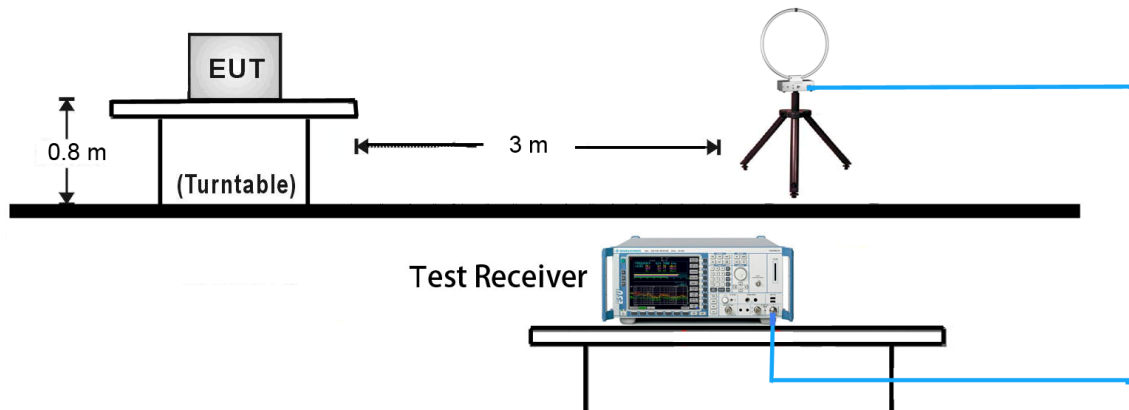
6. Sweep time = auto

7. Trace mode = max hold

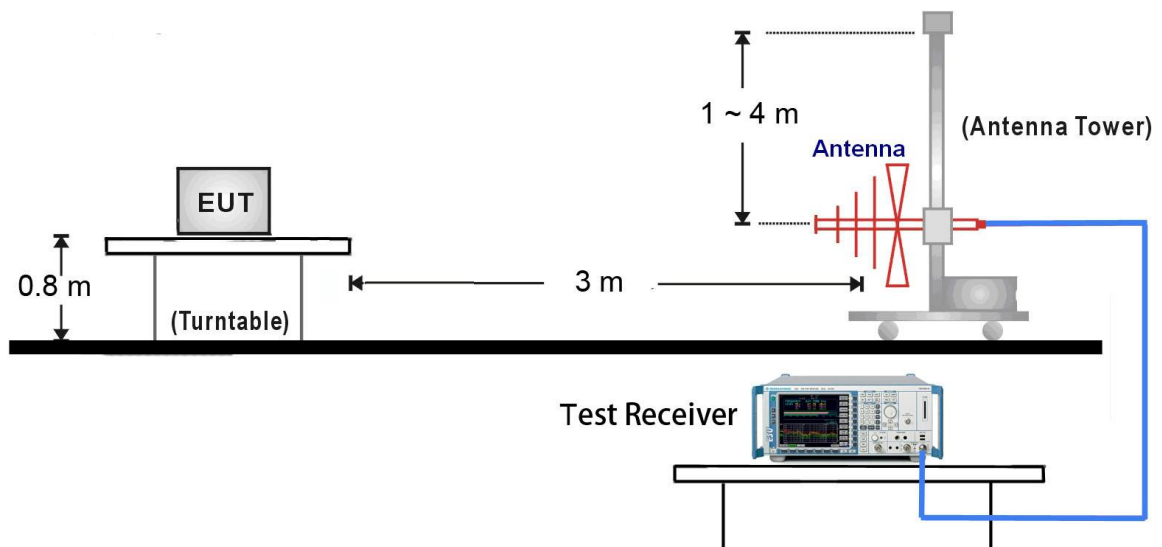
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

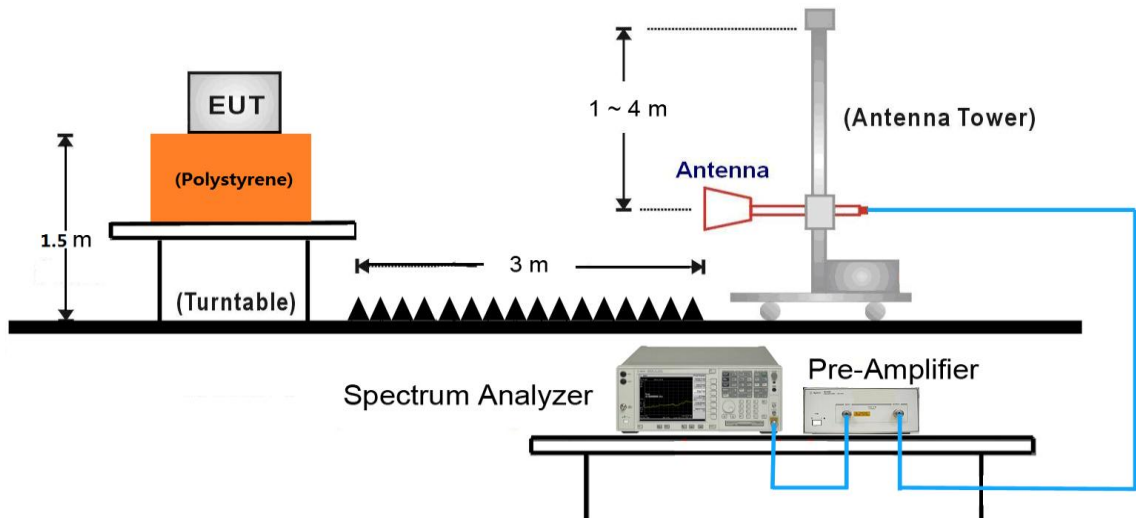
9kHz ~ 30MHz Test Setup:



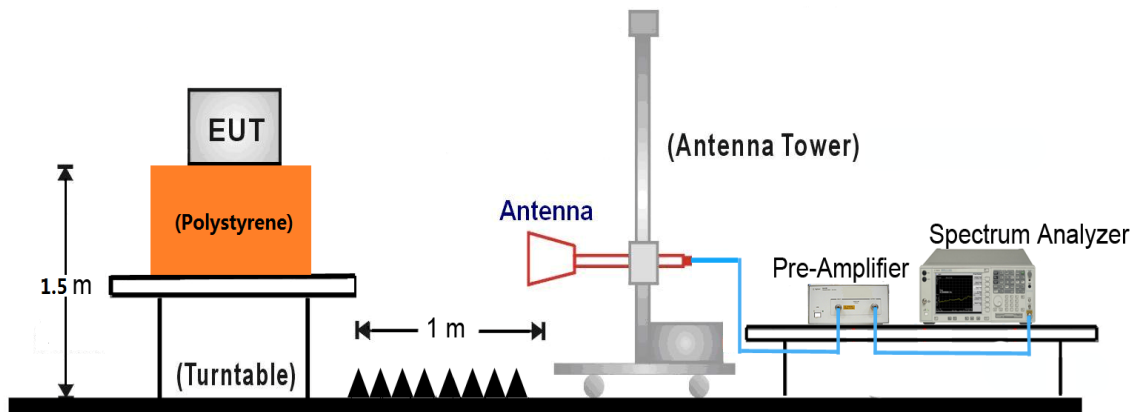
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b	Test Site:	AC1
Test Channel:	01	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4825.0	40.7	3.7	44.4	74.0	-29.6	Peak	Horizontal
*	7230.5	36.2	12.2	48.4	90.4	-42.0	Peak	Horizontal
	11540.0	28.2	19.4	47.6	74.0	-26.4	Peak	Horizontal
*	15042.0	29.8	21.7	51.5	90.4	-38.9	Peak	Horizontal
	4825.0	44.4	3.7	48.1	74.0	-25.9	Peak	Vertical
*	7239.0	39.0	12.2	51.2	90.4	-39.2	Peak	Vertical
	10758.0	30.8	17.7	48.5	74.0	-25.5	Peak	Vertical
*	14702.0	28.0	22.8	50.8	90.4	-39.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (120.4dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11b	Test Site:	AC1
Test Channel:	06	Test Engineer:	Will Yan
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
	4876.0	44.0	3.7	47.7	74.0	-26.3	Peak	Horizontal
*	6576.0	33.5	8.6	42.1	91.9	-49.8	Peak	Horizontal
	7307.0	40.3	12.3	52.6	74.0	-21.3	Peak	Horizontal
*	9746.5	33.4	14.8	48.2	91.9	-43.7	Peak	Horizontal
	4876.0	47.2	3.7	50.9	74.0	-23.1	Peak	Vertical
*	6346.5	33.0	7.4	40.4	91.9	-51.5	Peak	Vertical
	7310.2	44.6	12.3	56.9	74.0	-17.1	Peak	Vertical
	7310.2	39.7	12.3	52.0	54.0	-2.0	Average	Vertical
*	14540.5	27.8	23.0	50.8	91.9	-41.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (121.9dBμV/m) or FCC 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)

Test Mode:	802.11b	Test Site:	AC1
Test Channel:	11	Test Engineer:	Will Yan
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
	4927.0	44.4	3.7	48.1	74.0	-25.9	Peak	Horizontal
*	6159.5	33.5	6.7	40.2	90.0	-49.8	Peak	Horizontal
	7383.5	36.5	12.5	49.0	74.0	-25.0	Peak	Horizontal
*	14600.0	28.2	22.9	51.1	90.0	-38.9	Peak	Horizontal
	4927.0	51.9	3.7	55.6	74.0	-18.4	Peak	Vertical
	4924.0	49.7	3.7	53.4	54.0	-0.6	Average	Vertical
*	6261.5	34.2	7.0	41.2	90.0	-48.8	Peak	Vertical
	7383.5	39.9	12.5	52.4	74.0	-21.6	Peak	Vertical
*	14685.0	27.9	22.8	50.7	90.0	-39.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (120.0dBμV/m) or FCC 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)

Test Mode:	802.11g	Test Site:	AC1
Test Channel:	01	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4816.5	36.2	3.7	39.9	74.0	-34.1	Peak	Horizontal
*	7128.5	31.6	11.7	43.3	89.8	-46.5	Peak	Horizontal
	10860.0	29.3	18.2	47.5	74.0	-26.5	Peak	Horizontal
*	14727.5	27.4	22.8	50.2	89.8	-39.6	Peak	Horizontal
	4825.0	42.8	3.7	46.5	74.0	-27.5	Peak	Vertical
*	7145.5	31.9	11.8	43.7	89.8	-46.1	Peak	Vertical
	10936.5	29.2	18.4	47.6	74.0	-26.4	Peak	Vertical
*	14676.5	28.1	22.8	50.9	89.8	-38.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.8dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g	Test Site:	AC1
Test Channel:	06	Test Engineer:	Will Yan
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
	4867.5	52.5	3.7	56.2	74.0	-17.8	Peak	Horizontal
	4867.5	38.3	3.7	42.0	54.0	-12.0	Average	Horizontal
*	6278.5	33.1	7.1	40.2	95.9	-55.7	Peak	Horizontal
	7307.0	39.4	12.3	51.7	74.0	-22.3	Peak	Horizontal
*	14855.0	27.4	22.4	49.8	95.9	-46.1	Peak	Horizontal
	4876.0	59.3	3.7	63.0	74.0	-11.0	Peak	Vertical
	4876.0	43.7	3.7	47.4	54.0	-6.6	Average	Vertical
*	5896.0	33.6	5.9	39.5	95.9	-56.4	Peak	Vertical
	7315.5	44.0	12.3	56.3	74.0	-17.7	Peak	Vertical
	7315.5	32.0	12.3	44.3	54.0	-9.7	Average	Vertical
*	10358.5	30.2	16.8	47.0	95.9	-48.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (125.9dBμV/m) or FCC 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)

Test Mode:	802.11g	Test Site:	AC1
Test Channel:	11	Test Engineer:	Will Yan
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
	5029.0	35.0	3.9	38.9	74.0	-35.1	Peak	Horizontal
*	6576.0	33.2	8.6	41.8	89.7	-47.9	Peak	Horizontal
	10928.0	29.3	18.4	47.7	74.0	-26.3	Peak	Horizontal
*	14591.5	27.6	22.9	50.5	89.7	-39.2	Peak	Horizontal
	4918.5	40.6	3.7	44.3	74.0	-29.7	Peak	Vertical
*	6321.0	33.3	7.3	40.6	89.7	-49.1	Peak	Vertical
	7375.0	32.8	12.5	45.3	74.0	-28.7	Peak	Vertical
*	14795.5	27.7	22.6	50.3	89.7	-39.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.7dBμV/m) or FCC 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)

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	01	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4978.0	34.8	3.8	38.6	74.0	-35.4	Peak	Horizontal
*	6499.5	33.4	8.4	41.8	86.2	-44.4	Peak	Horizontal
	11030.0	29.4	18.5	47.9	74.0	-26.1	Peak	Horizontal
*	14617.0	27.4	22.9	50.3	86.2	-35.9	Peak	Horizontal
	4825.0	41.1	3.7	44.8	74.0	-29.2	Peak	Vertical
*	7213.5	31.0	12.1	43.1	86.2	-43.1	Peak	Vertical
	11514.5	27.9	19.4	47.3	74.0	-26.7	Peak	Vertical
*	14523.5	27.1	23.0	50.1	86.2	-36.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.2dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	06	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4867.5	48.0	3.7	51.7	74.0	-22.3	Peak	Horizontal
*	6508.0	33.0	8.4	41.4	94.6	-53.2	Peak	Horizontal
	7324.0	37.4	12.4	49.8	74.0	-24.2	Peak	Horizontal
*	13962.5	27.4	22.5	49.9	94.6	-44.7	Peak	Horizontal
	4874.8	55.8	3.7	59.5	74.0	-14.5	Peak	Vertical
	4874.8	37.6	3.7	41.3	54.0	-12.7	Average	Vertical
*	6491.0	32.8	8.3	41.1	94.6	-53.5	Peak	Vertical
	7307.0	40.7	12.3	53.0	74.0	-21.0	Peak	Vertical
*	15033.5	28.1	21.7	49.8	94.6	-44.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (124.6dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	11	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4901.5	34.6	3.7	38.3	74.0	-35.7	Peak	Horizontal
*	7987.0	31.1	12.5	43.6	86.7	-43.1	Peak	Horizontal
	11506.0	28.1	19.4	47.5	74.0	-26.5	Peak	Horizontal
*	14600.0	27.9	22.9	50.8	86.7	-35.9	Peak	Horizontal
	4918.5	39.8	3.7	43.5	74.0	-30.5	Peak	Vertical
*	6559.0	32.2	8.6	40.8	86.7	-45.9	Peak	Vertical
	7519.5	32.4	12.8	45.2	74.0	-28.8	Peak	Vertical
*	14005.0	27.2	22.7	49.9	86.7	-36.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.7dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	03	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4927.0	34.4	3.7	38.1	74.0	-35.9	Peak	Horizontal
*	7120.0	31.4	11.6	43.0	82.7	-39.7	Peak	Horizontal
	11140.5	29.2	18.7	47.9	74.0	-26.1	Peak	Horizontal
*	14081.5	27.7	22.8	50.5	82.7	-32.2	Peak	Horizontal
	4842.0	35.0	3.7	38.7	74.0	-35.3	Peak	Vertical
*	7001.0	31.6	10.6	42.2	82.7	-40.5	Peak	Vertical
	10877.0	29.2	18.2	47.4	74.0	-26.6	Peak	Vertical
*	14736.0	26.8	22.7	49.5	82.7	-33.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.7dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	06	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4867.5	34.1	3.7	37.8	74.0	-36.2	Peak	Horizontal
*	7978.5	31.7	12.5	44.2	87.1	-42.9	Peak	Horizontal
	11625.0	27.7	19.4	47.1	74.0	-26.9	Peak	Horizontal
*	14642.5	28.0	22.9	50.9	87.1	-36.2	Peak	Horizontal
	4876.0	39.1	3.7	42.8	74.0	-31.2	Peak	Vertical
*	9576.5	31.1	14.4	45.5	87.1	-41.6	Peak	Vertical
	11038.5	29.2	18.5	47.7	74.0	-26.3	Peak	Vertical
*	14736.0	27.4	22.7	50.1	87.1	-37.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.1dB μ V/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	09	Test Engineer:	Will Yan
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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
	4655.0	34.0	3.4	37.4	74.0	-36.6	Peak	Horizontal
*	7018.0	32.0	10.7	42.7	82.9	-40.2	Peak	Horizontal
	11514.5	28.3	19.4	47.7	74.0	-26.3	Peak	Horizontal
*	14710.5	27.5	22.8	50.3	82.9	-32.6	Peak	Horizontal
	4901.5	35.9	3.7	39.6	74.0	-34.4	Peak	Vertical
*	7001.0	31.9	10.6	42.5	82.9	-40.4	Peak	Vertical
	11616.5	28.3	19.4	47.7	74.0	-26.3	Peak	Vertical
*	14651.0	27.4	22.9	50.3	82.9	-32.6	Peak	Vertical

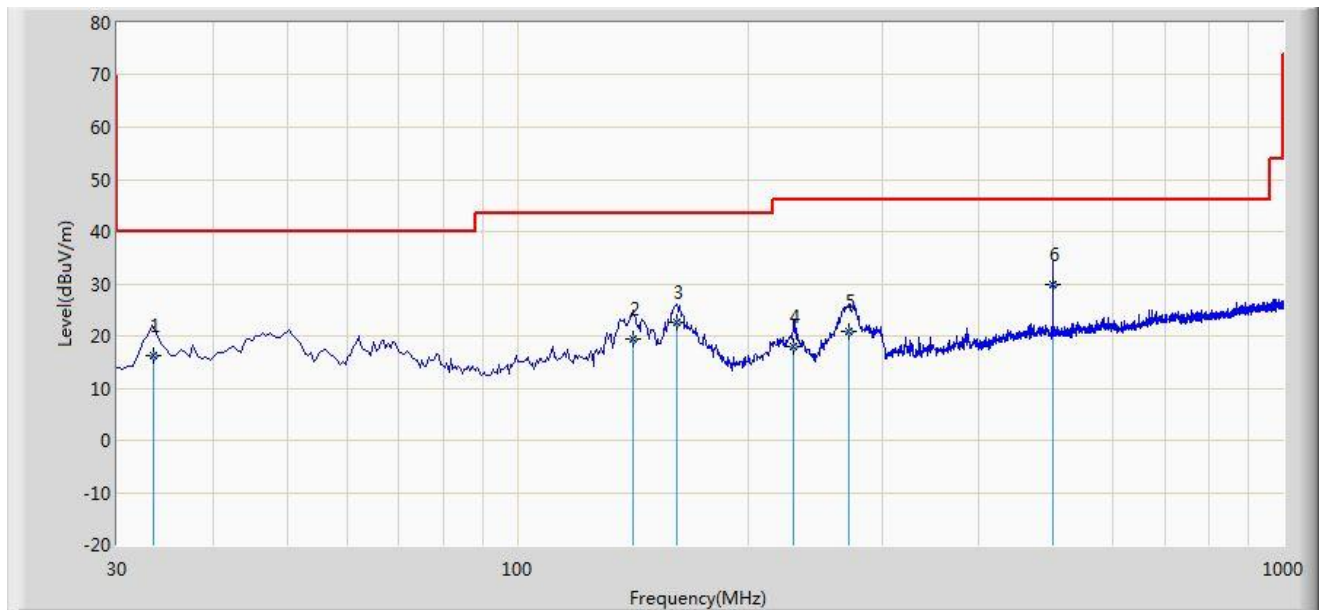
Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (112.9dB μ V/m) or FCC 15.209 which is higher.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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: 2016/12/19 - 15:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11b at channel 2412MHz Ant 0 + 1 + 2	

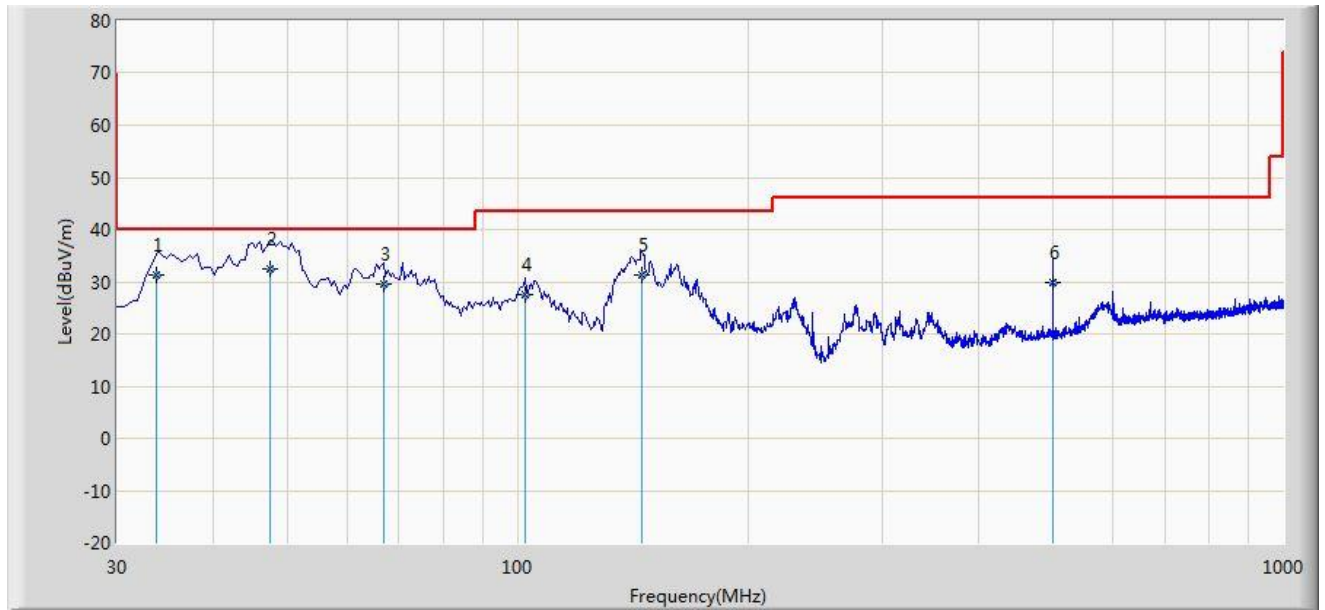


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			33.410	16.276	2.530	-23.724	40.000	13.747	QP
2			141.690	19.526	4.920	-23.974	43.500	14.606	QP
3			161.560	22.533	7.480	-20.967	43.500	15.053	QP
4			229.420	17.833	5.360	-28.167	46.000	12.473	QP
5			270.620	20.833	7.320	-25.167	46.000	13.512	QP
6		*	500.000	29.913	11.430	-16.087	46.000	18.483	QP

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

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

Site: AC1	Time: 2016/12/19 - 15:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11b at channel 2412MHz Ant 0 + 1 + 2	

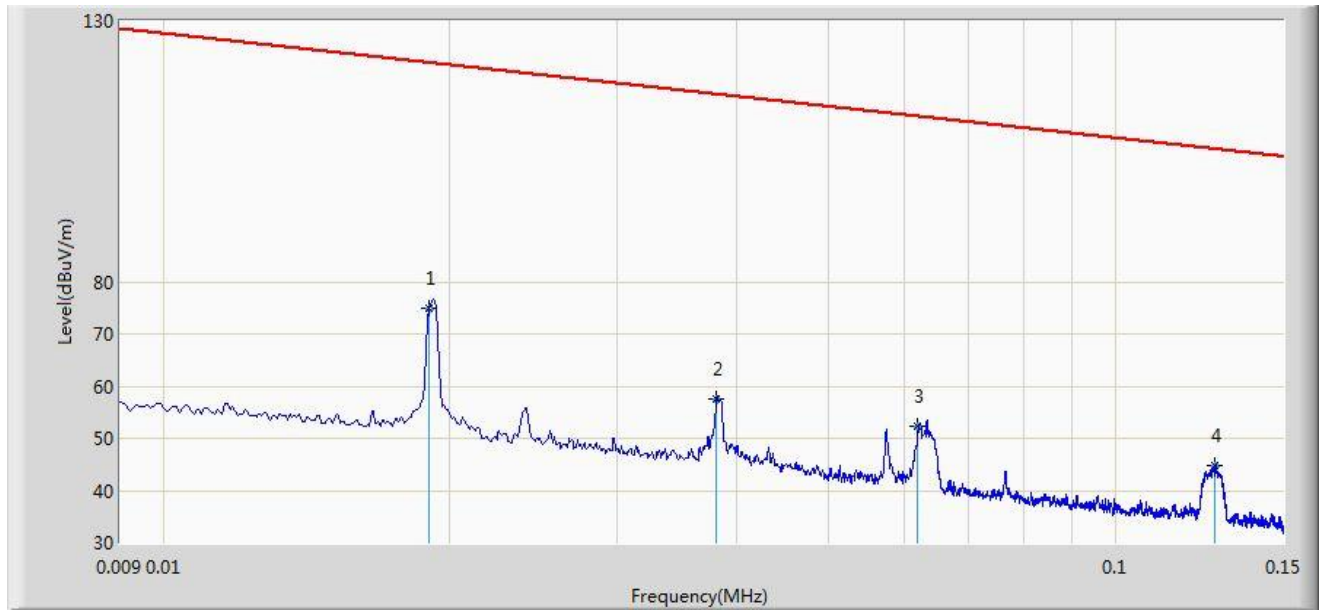


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			33.700	31.338	17.580	-8.662	40.000	13.758	QP
2		*	47.510	32.388	18.270	-7.612	40.000	14.118	QP
3			66.890	29.476	17.410	-10.524	40.000	12.066	QP
4			102.240	27.624	16.430	-15.876	43.500	11.194	QP
5			145.140	31.308	16.460	-12.192	43.500	14.848	QP
6			500.100	29.895	11.410	-16.105	46.000	18.485	QP

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

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

Site: AC1	Time: 2016/12/15 - 13:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: FMZB1519_0.009-30MHz	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

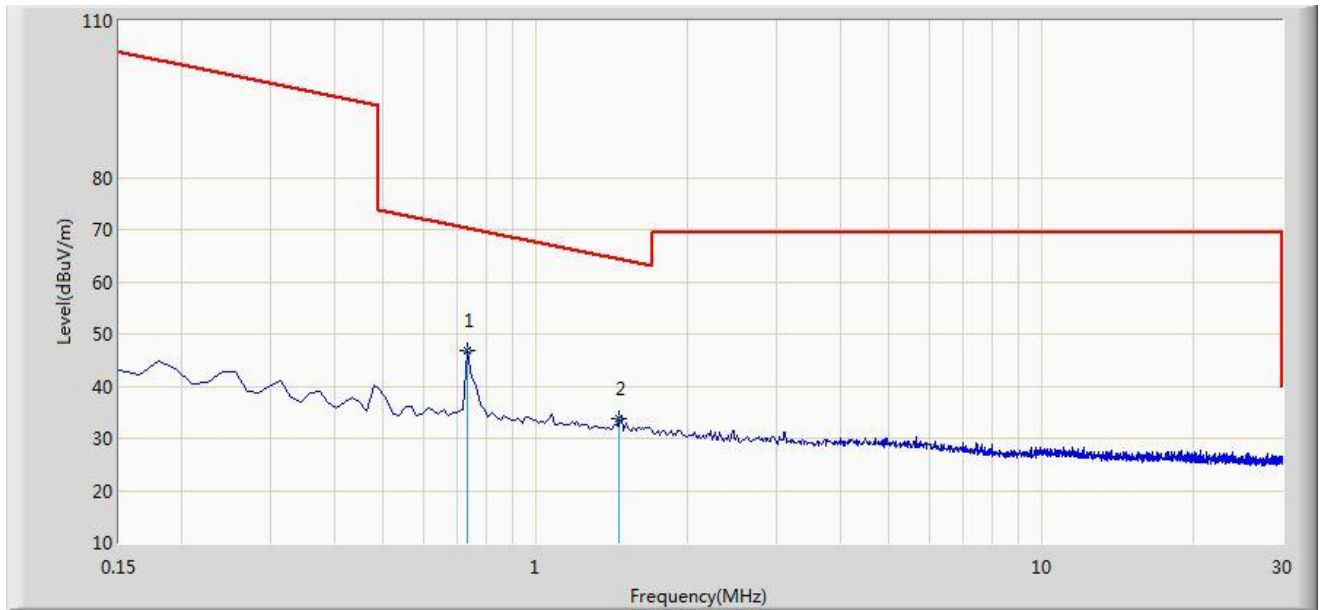


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	0.019	75.056	53.762	-46.958	122.013	21.294	AV
2			0.038	57.677	36.848	-58.319	115.996	20.829	AV
3			0.062	52.248	31.940	-59.498	111.746	20.308	AV
4			0.127	44.638	24.450	-60.883	105.521	20.188	AV

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

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

Site: AC1	Time: 2016/12/15 - 18:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: FMZB1519_0.009-30MHz	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

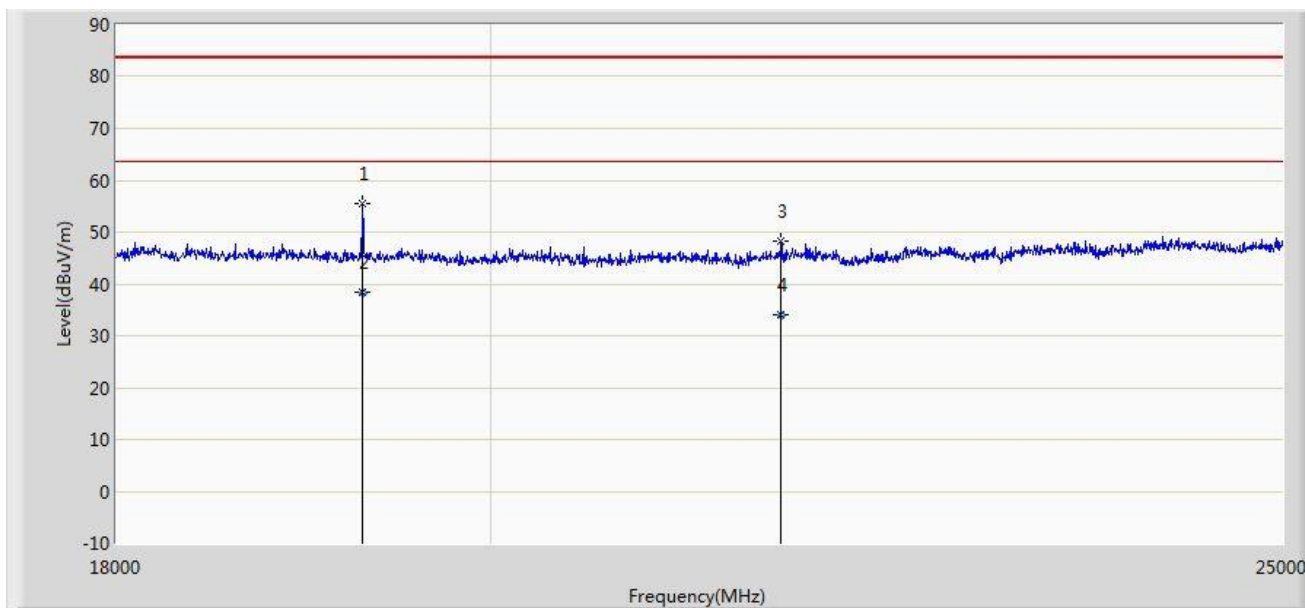


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	0.732	46.877	26.316	-23.446	70.324	20.561	QP
2			1.463	33.742	13.278	-30.584	64.326	20.464	QP

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

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

Site: AC1	Time: 2016/12/15 - 17:29
Limit: FCC_Part15.407_RE(1m)	Engineer: Kevin Ke
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	

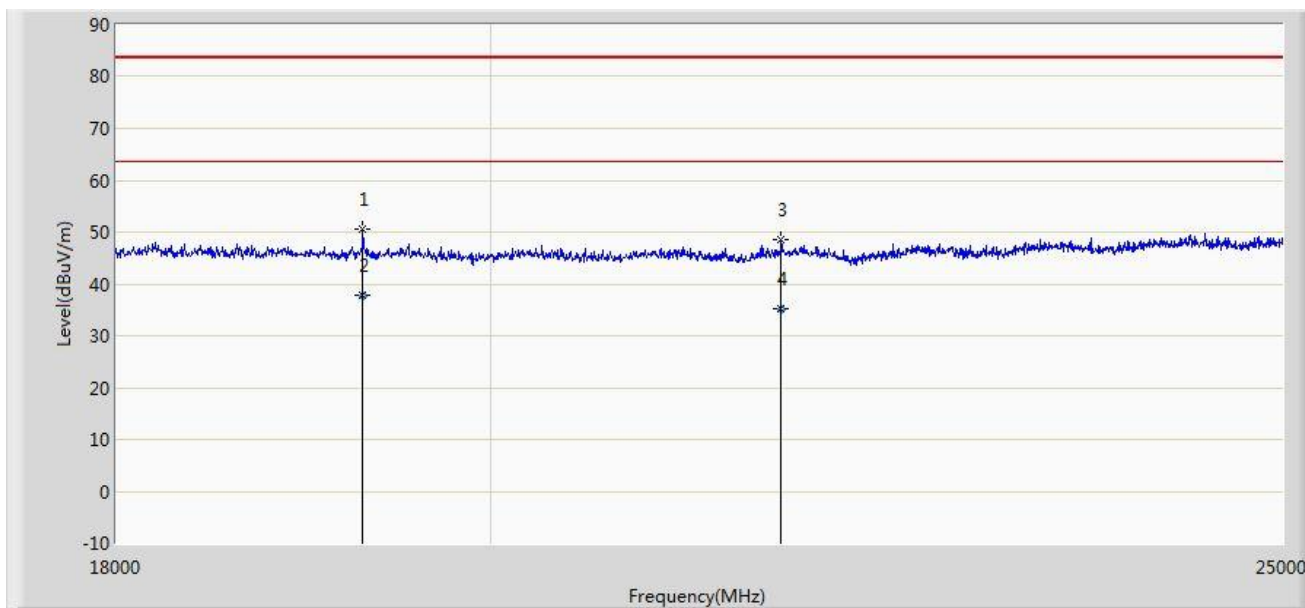


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			19296.000	55.465	47.129	-28.035	83.500	8.336	PK
2		*	19296.000	38.466	30.130	-25.034	63.500	8.336	AV
3			21708.000	48.300	40.625	-35.200	83.500	7.675	PK
4			21708.000	34.125	26.450	-29.375	63.500	7.675	AV

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

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

Site: AC1	Time: 2016/12/15 - 17:28
Limit: FCC_Part15.407_RE(1m)	Engineer: Kevin Ke
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			19296.000	50.593	42.257	-32.907	83.500	8.336	PK
2		*	19296.000	37.776	29.440	-25.724	63.500	8.336	AV
3			21708.000	48.444	40.769	-35.056	83.500	7.675	PK
4			21708.000	35.215	27.540	-28.285	63.500	7.675	AV

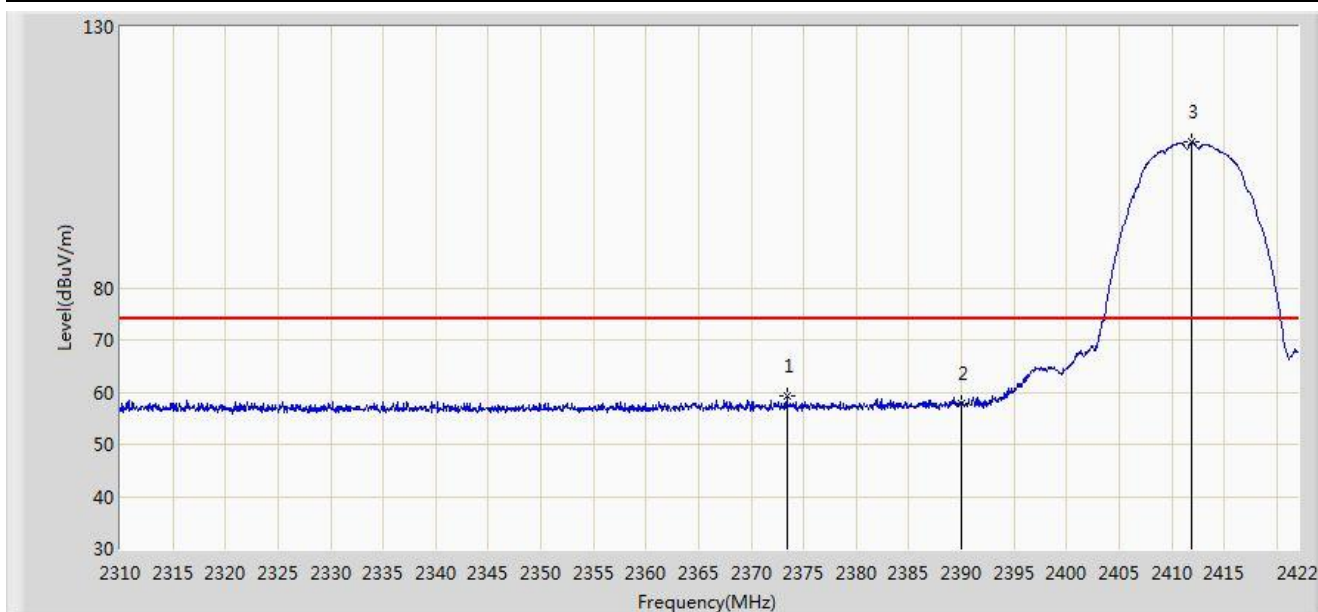
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

Site: AC1	Time: 2016/11/30 - 19:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0 + 1 + 2	

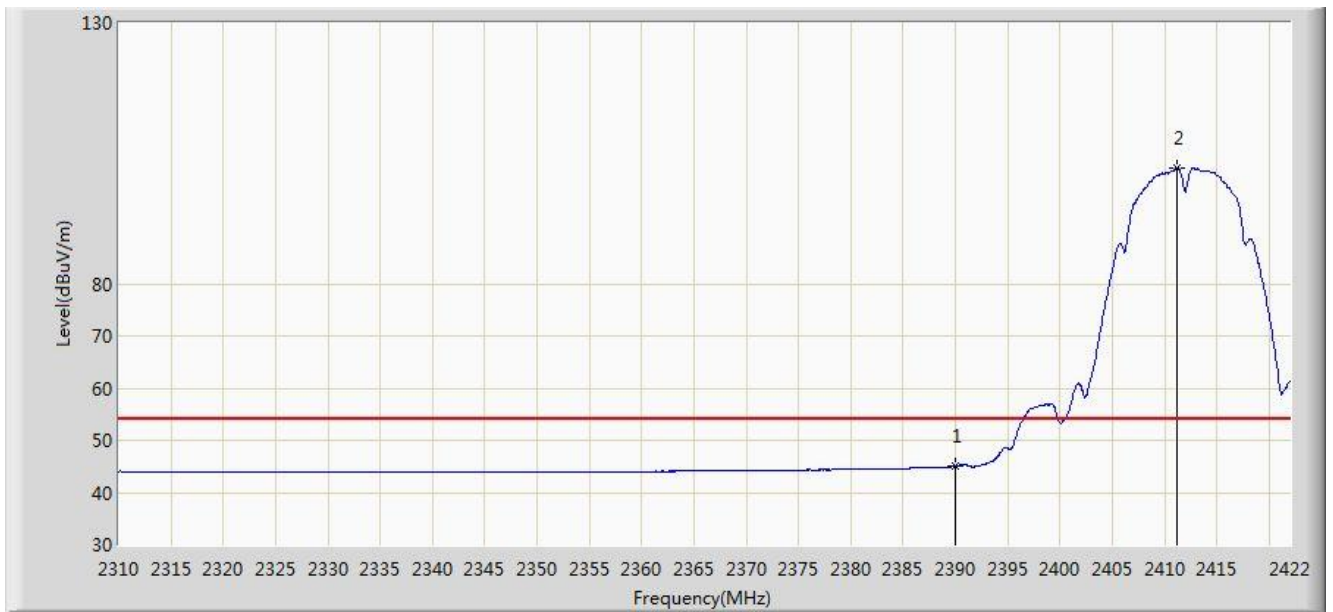


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2373.392	59.144	26.567	-14.856	74.000	32.577	PK
2			2390.000	57.864	25.310	-16.136	74.000	32.554	PK
3		*	2411.920	107.838	75.312	N/A	N/A	32.526	PK

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

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

Site: AC1	Time: 2016/11/30 - 19:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0 + 1 + 2	

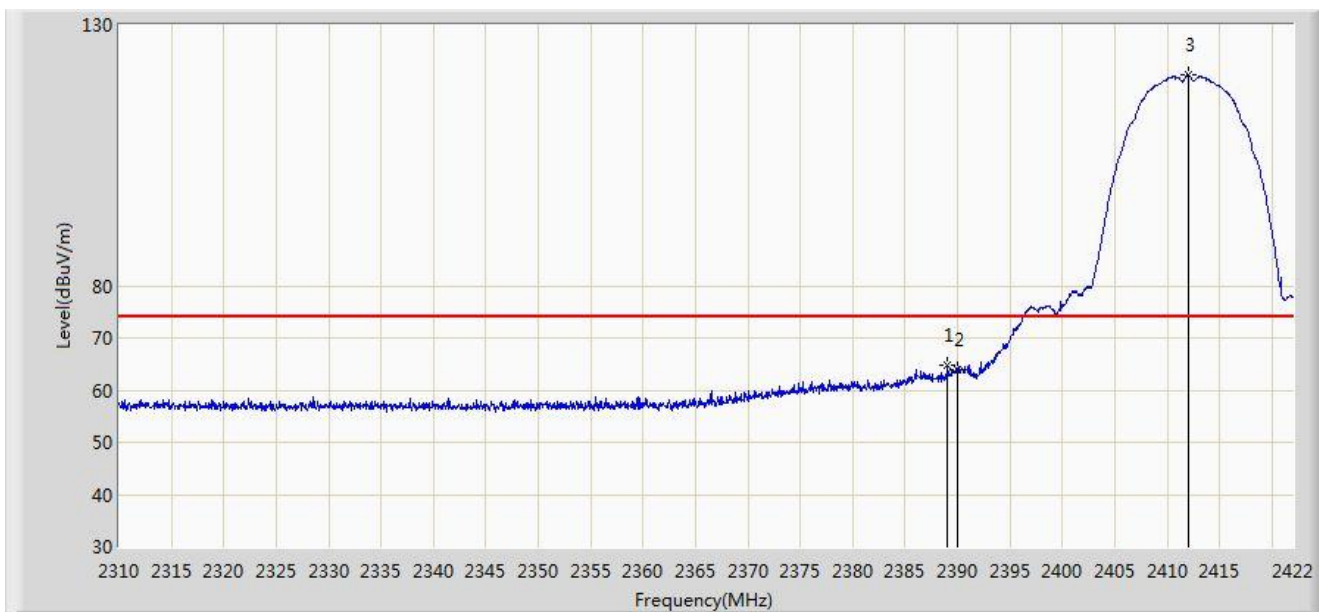


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.066	12.512	-8.934	54.000	32.554	AV
2		*	2411.192	102.253	69.726	N/A	N/A	32.527	AV

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

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

Site: AC1	Time: 2016/11/30 - 19:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0 + 1 + 2	

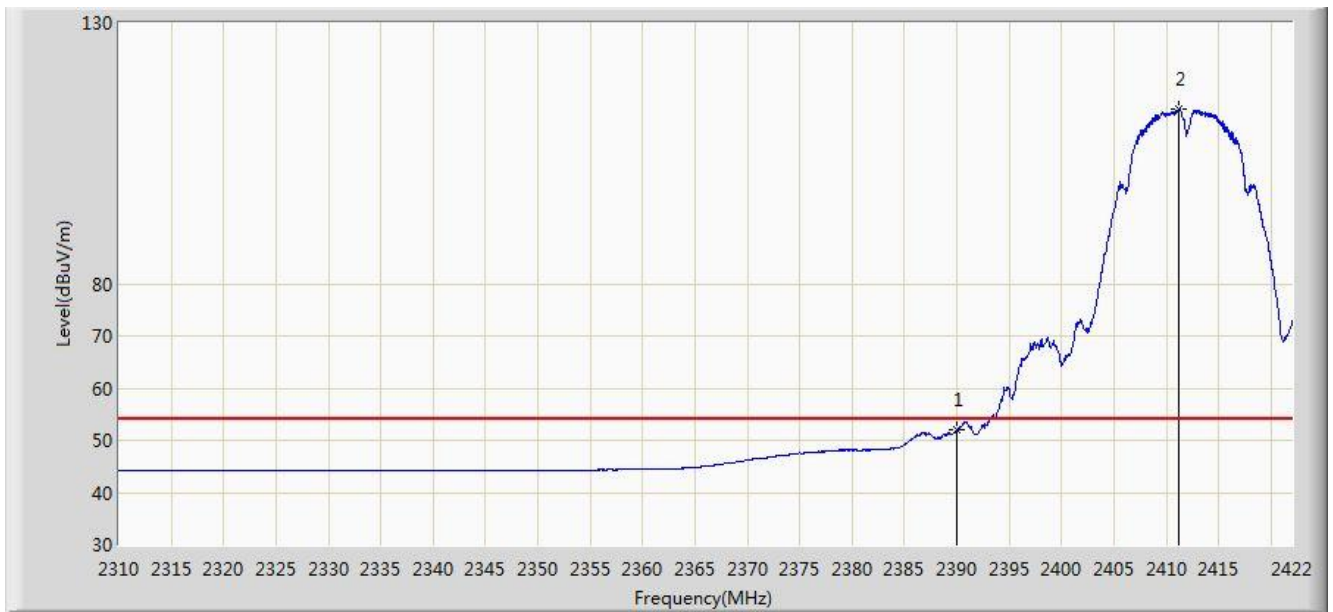


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.072	64.748	32.192	-9.252	74.000	32.556	PK
2			2390.000	63.773	31.219	-10.227	74.000	32.554	PK
3		*	2412.032	120.366	87.840	N/A	N/A	32.526	PK

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

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

Site: AC1	Time: 2016/11/30 - 19:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0 + 1 + 2	

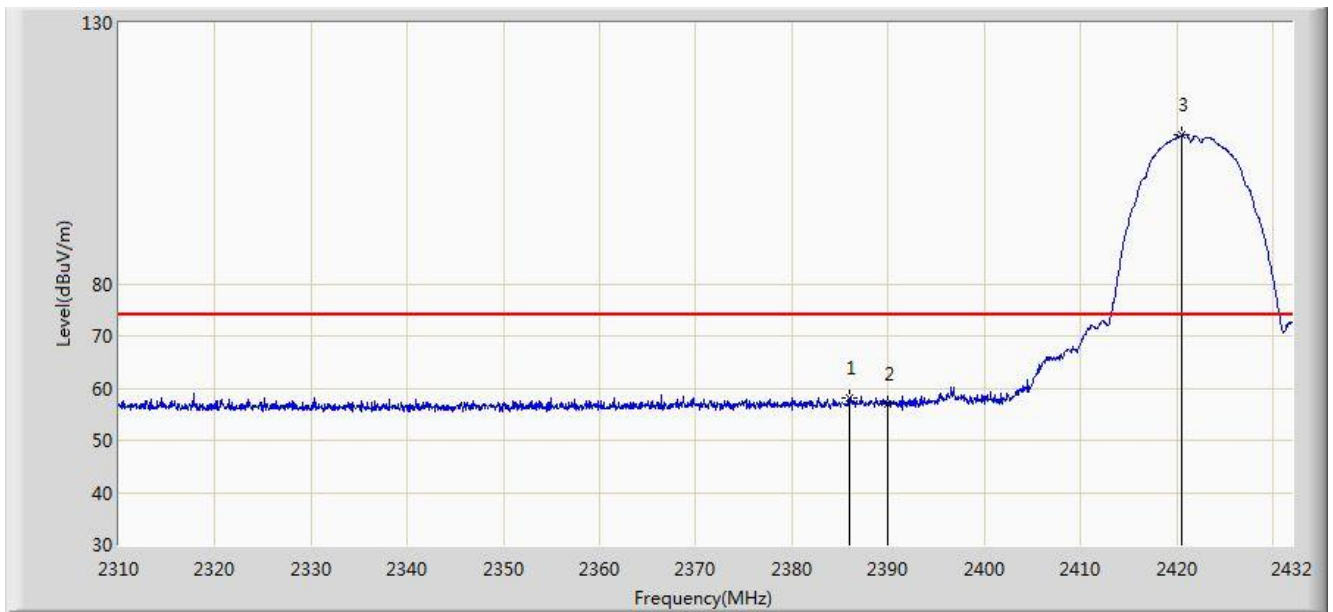


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.961	19.407	-2.039	54.000	32.554	AV
2		*	2411.192	113.449	80.922	N/A	N/A	32.527	AV

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

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

Site: AC1	Time: 2016/12/10 - 13:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2422MHz Ant 0 + 1 + 2	

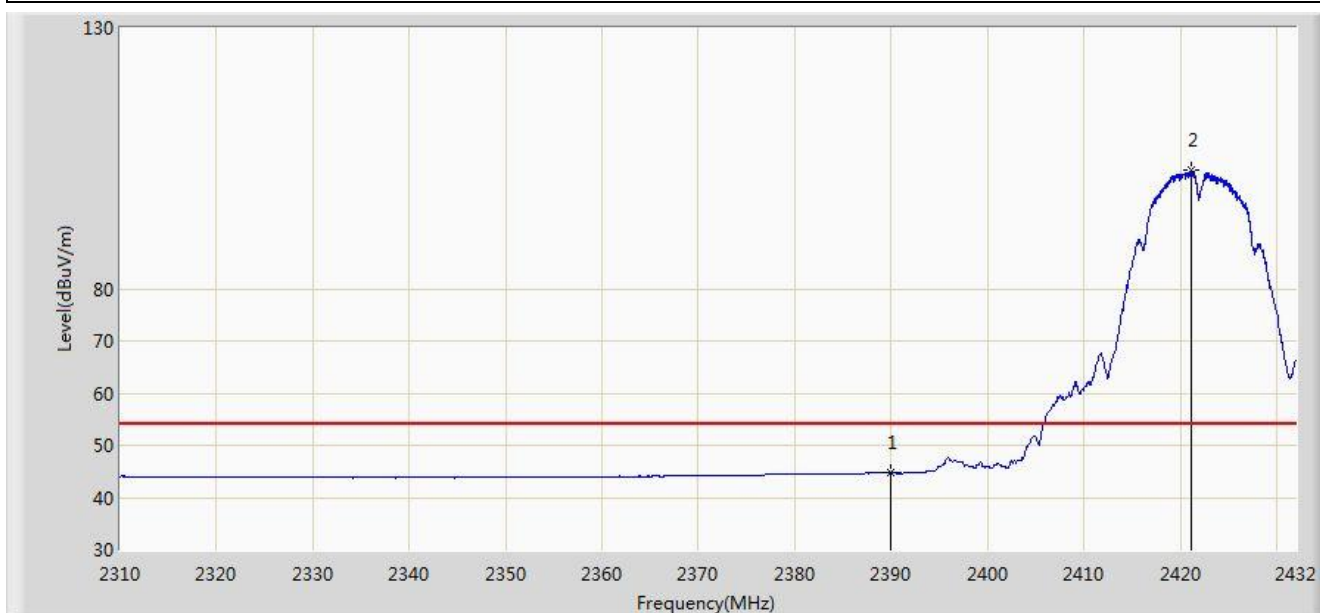


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.945	58.116	25.556	-15.884	74.000	32.560	PK
2			2390.000	57.095	24.541	-16.905	74.000	32.554	PK
3		*	2420.593	108.418	75.903	N/A	N/A	32.515	PK

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

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

Site: AC1	Time: 2016/12/10 - 13:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2422MHz Ant 0 + 1 + 2	

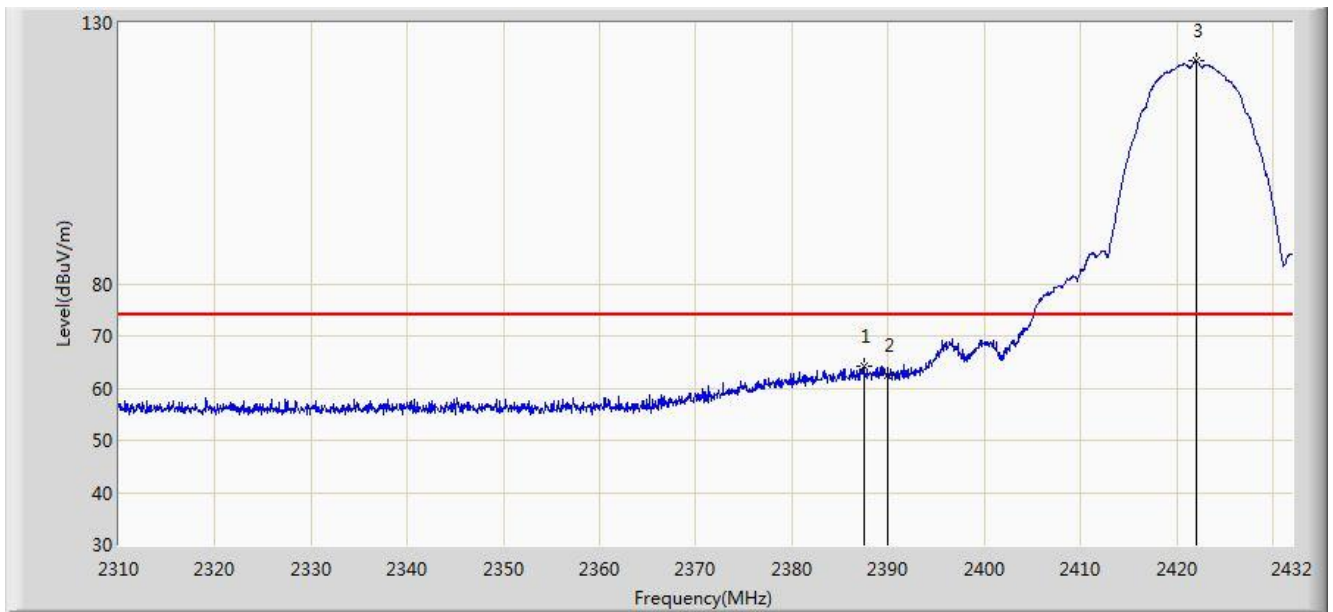


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.694	12.140	-9.306	54.000	32.554	AV
2		*	2421.203	102.743	70.228	N/A	N/A	32.514	AV

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

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

Site: AC1	Time: 2016/12/10 - 13:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2422MHz Ant 0 + 1 + 2	

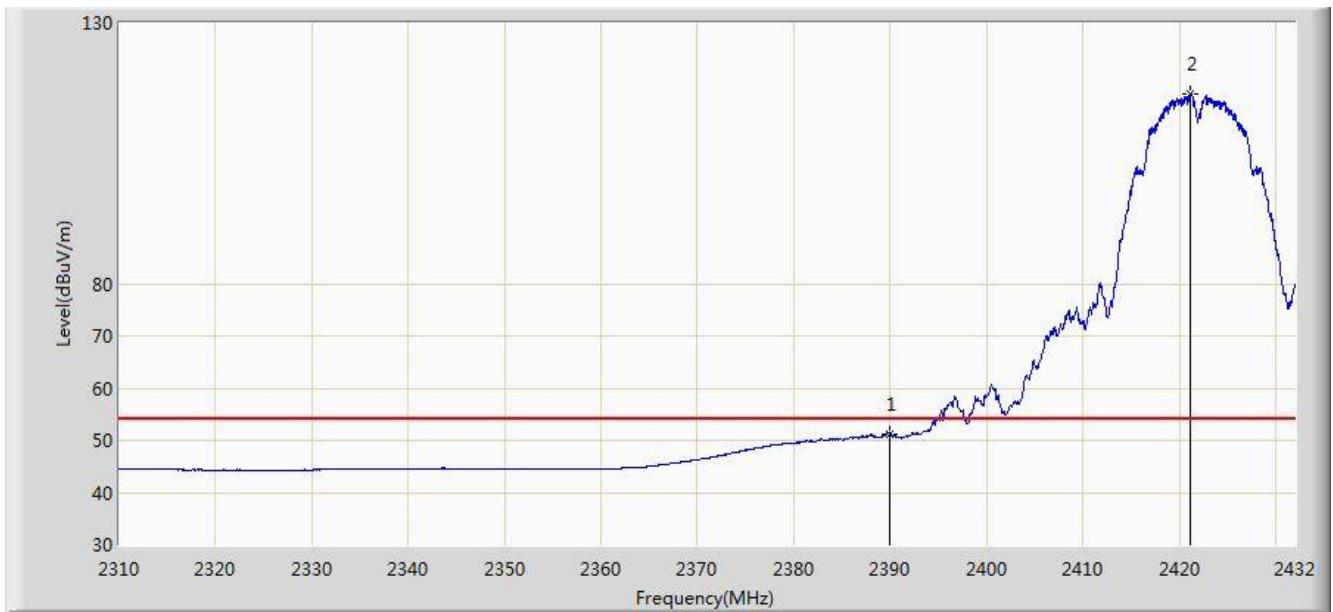


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.470	64.303	31.745	-9.697	74.000	32.558	PK
2			2390.000	62.386	29.832	-11.614	74.000	32.554	PK
3		*	2422.057	122.763	90.249	N/A	N/A	32.513	PK

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

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

Site: AC1	Time: 2016/12/10 - 13:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2422MHz Ant 0 + 1 + 2	

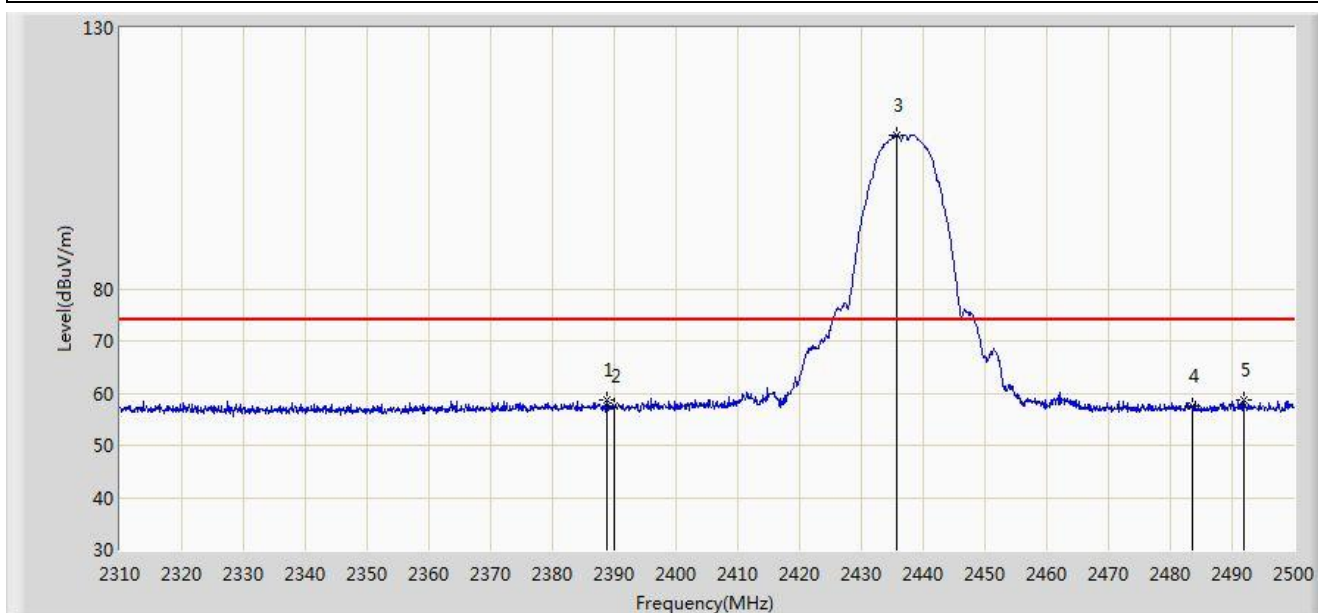


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.207	18.653	-2.793	54.000	32.554	AV
2		*	2421.142	116.273	83.758	N/A	N/A	32.515	AV

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

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

Site: AC1	Time: 2016/11/30 - 22:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2437MHz Ant 0 + 1 + 2	

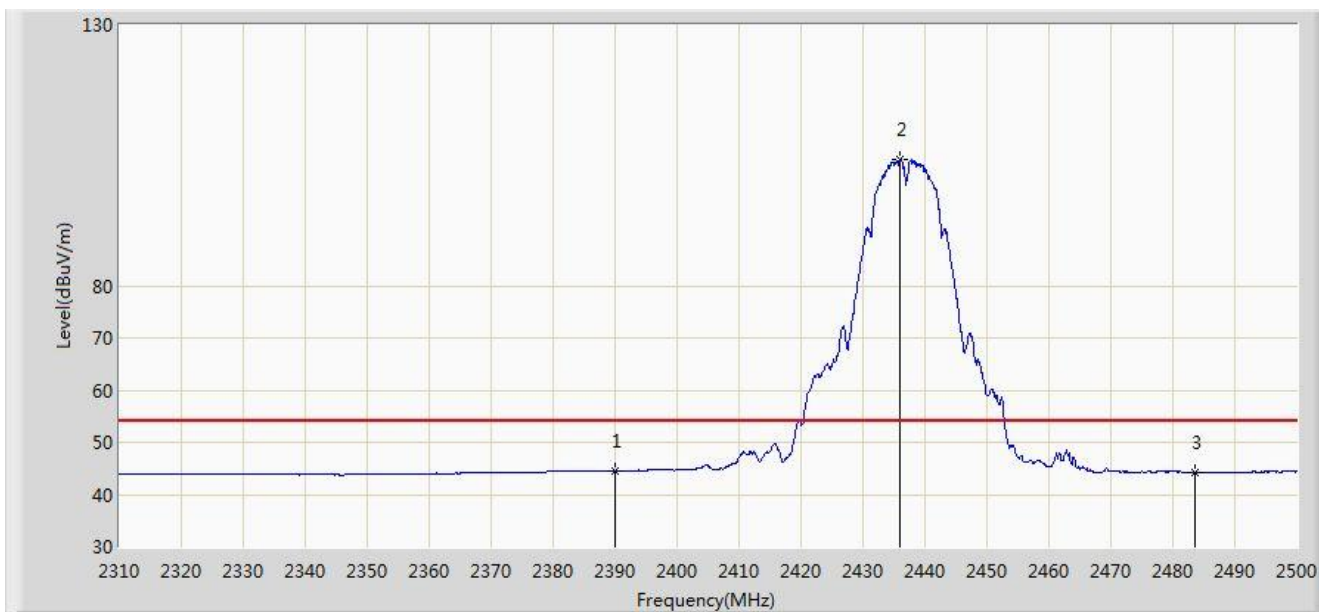


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.850	58.606	26.050	-15.394	74.000	32.556	PK
2			2390.000	57.398	24.844	-16.602	74.000	32.554	PK
3		*	2435.780	109.523	77.026	N/A	N/A	32.497	PK
4			2483.500	57.430	24.849	-16.570	74.000	32.580	PK
5			2491.830	58.794	26.188	-15.206	74.000	32.605	PK

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

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

Site: AC1	Time: 2016/11/30 - 22:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2437MHz Ant 0 + 1 + 2	

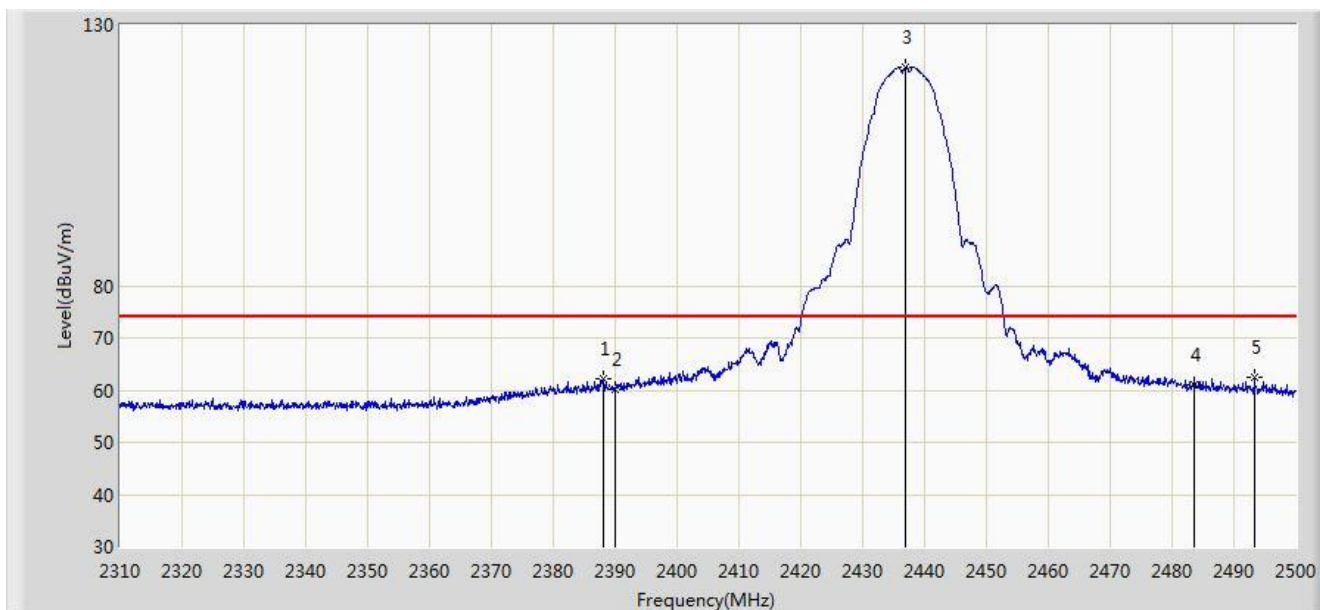


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.480	11.926	-9.520	54.000	32.554	AV
2		*	2436.065	104.107	71.610	N/A	N/A	32.497	AV
3			2483.500	44.279	11.698	-9.721	54.000	32.580	AV

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

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

Site: AC1	Time: 2016/11/30 - 21:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2437MHz Ant 0 + 1 + 2	

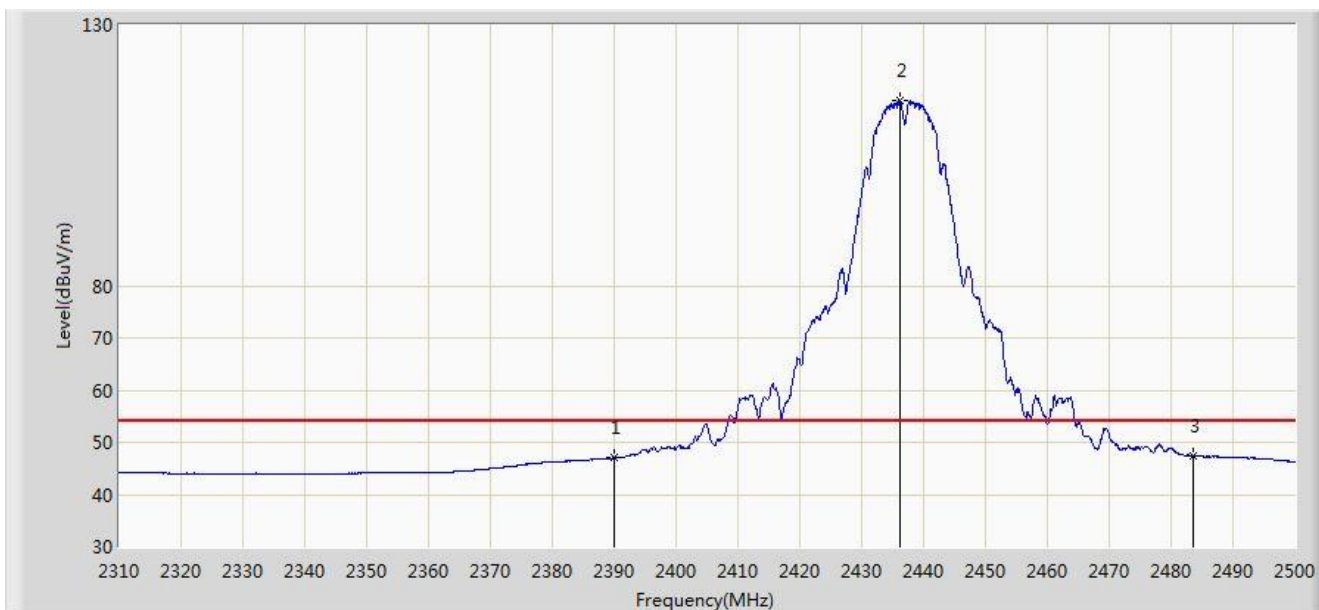


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.995	62.086	29.529	-11.914	74.000	32.558	PK
2			2390.000	60.021	27.467	-13.979	74.000	32.554	PK
3		*	2436.825	121.876	89.380	N/A	N/A	32.496	PK
4			2483.500	60.890	28.309	-13.110	74.000	32.580	PK
5			2493.350	62.572	29.962	-11.428	74.000	32.610	PK

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

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

Site: AC1	Time: 2016/11/30 - 22:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2437MHz Ant 0 + 1 + 2	

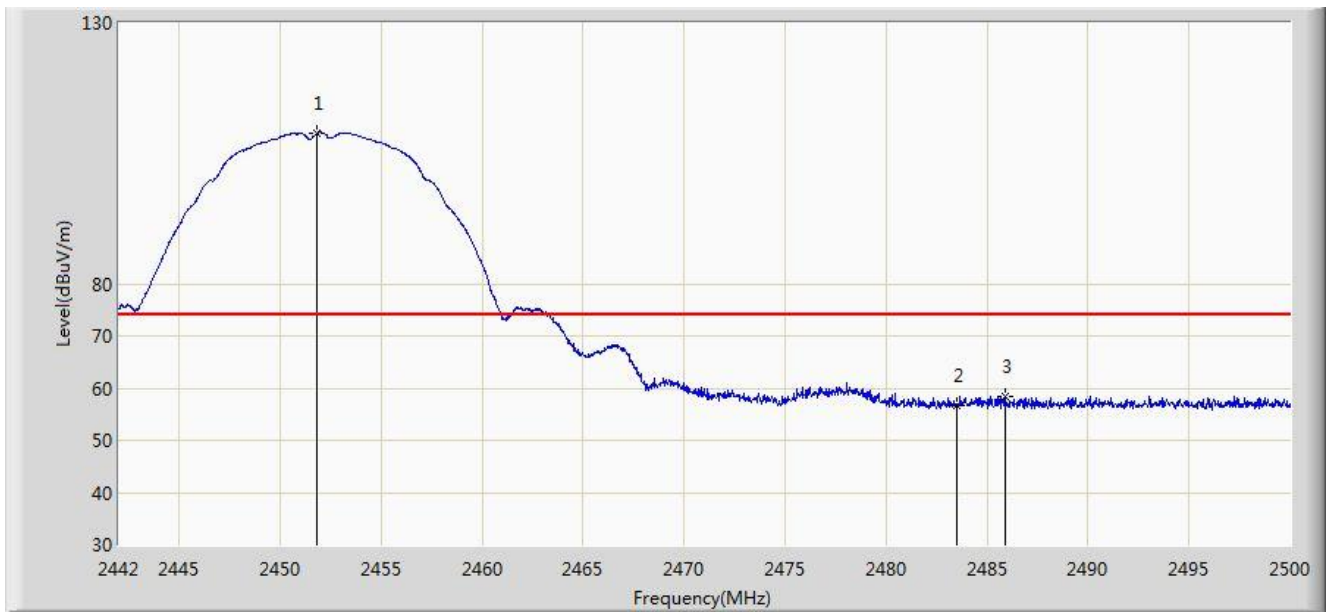


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.126	14.572	-6.874	54.000	32.554	AV
2		*	2436.255	115.618	83.121	N/A	N/A	32.497	AV
3			2483.500	47.290	14.709	-6.710	54.000	32.580	AV

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

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

Site: AC1	Time: 2016/12/10 - 13:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2452MHz Ant 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2451.802	108.772	76.274	N/A	N/A	32.498	PK
2			2483.500	56.664	24.083	-17.336	74.000	32.580	PK
3			2485.877	58.459	25.871	-15.541	74.000	32.588	PK

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

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

Site: AC1	Time: 2016/12/10 - 13:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2452MHz Ant 0 + 1 + 2	

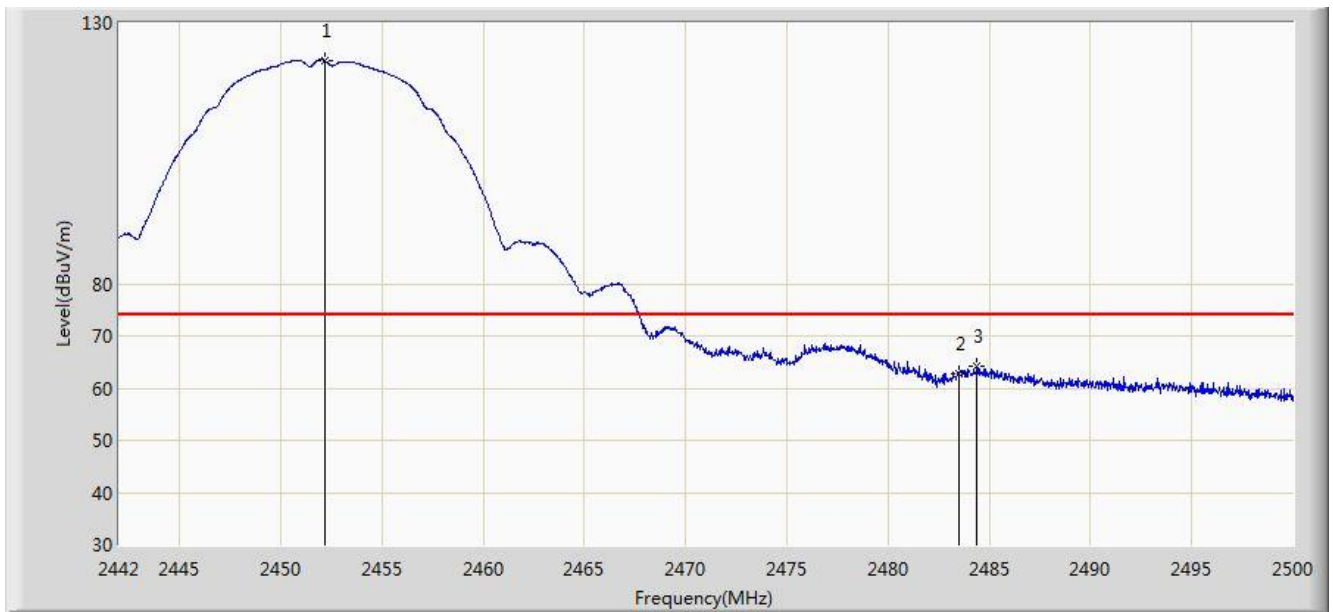


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2451.251	103.453	70.956	N/A	N/A	32.498	AV
2			2483.500	44.987	12.406	-9.013	54.000	32.580	AV

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

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

Site: AC1	Time: 2016/12/10 - 13:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2452MHz Ant 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2452.150	122.814	90.315	N/A	N/A	32.499	PK
2			2483.500	62.848	30.267	-11.152	74.000	32.580	PK
3			2484.398	64.070	31.487	-9.930	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: 2016/12/10 - 13:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2452MHz Ant 0 + 1 + 2	

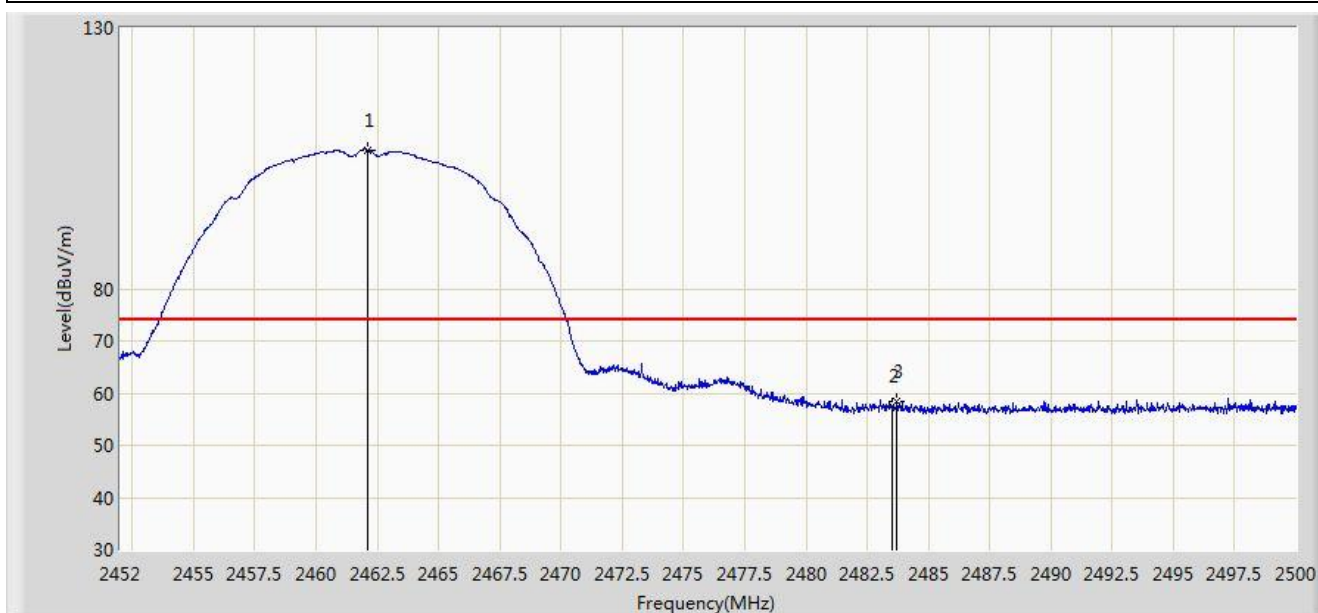


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2451.048	116.837	84.340	N/A	N/A	32.498	AV
2			2483.500	50.160	17.579	-3.840	54.000	32.580	AV
3			2484.369	53.159	20.576	-0.841	54.000	32.583	AV

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

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

Site: AC1	Time: 2016/11/30 - 19:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.128	106.578	74.061	N/A	N/A	32.516	PK
2			2483.500	57.395	24.814	-16.605	74.000	32.580	PK
3			2483.704	58.510	25.929	-15.490	74.000	32.582	PK

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

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

Site: AC1	Time: 2016/11/30 - 19:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0 + 1 + 2	

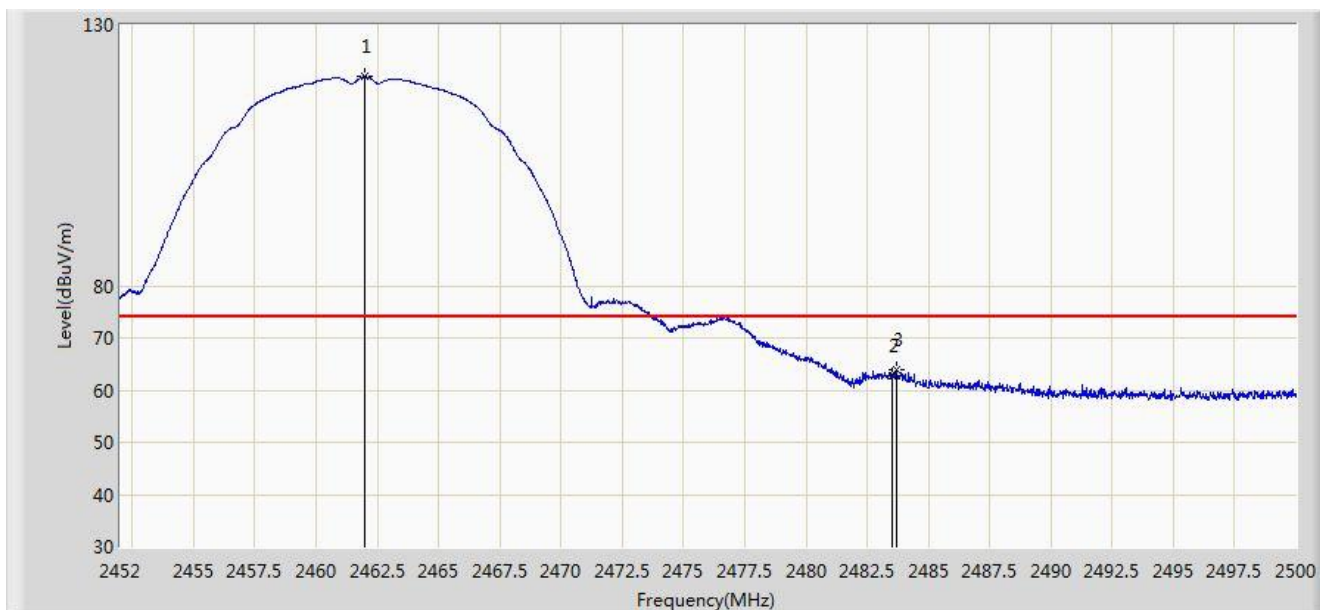


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	100.709	68.194	N/A	N/A	32.516	AV
2			2483.500	45.018	12.437	-8.982	54.000	32.580	AV

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

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

Site: AC1	Time: 2016/11/30 - 19:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.984	120.033	87.517	N/A	N/A	32.516	PK
2			2483.500	62.720	30.139	-11.280	74.000	32.580	PK
3			2483.680	63.861	31.280	-10.139	74.000	32.582	PK

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

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

Site: AC1	Time: 2016/11/30 - 19:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0 + 1 + 2	

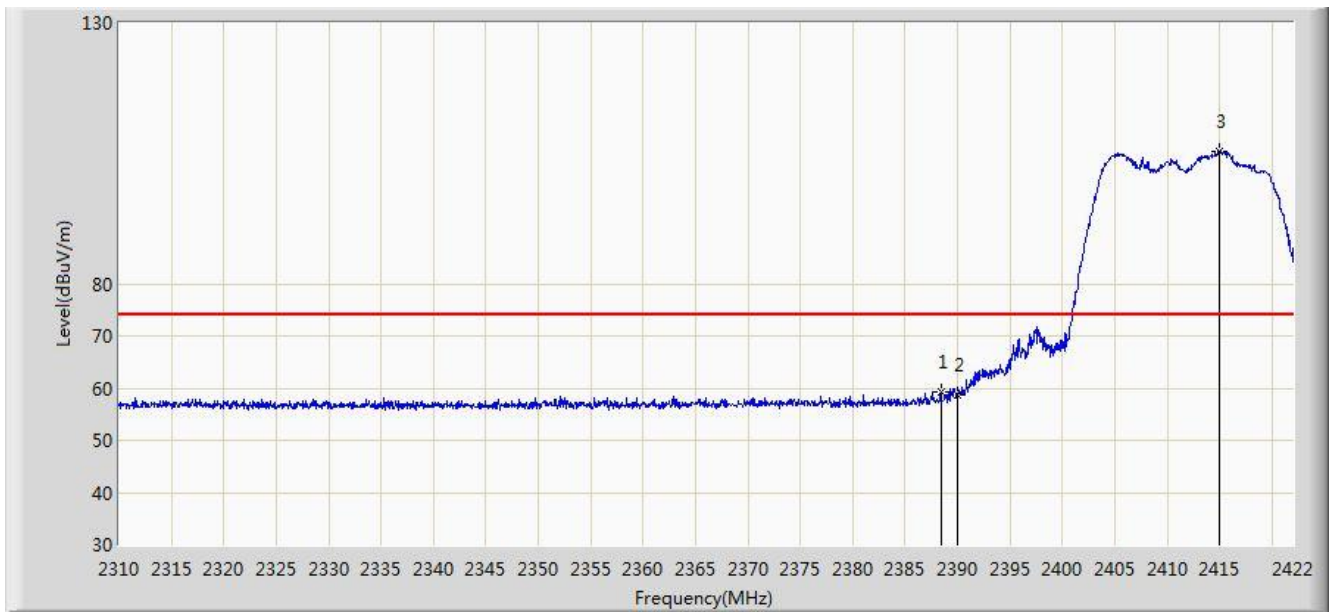


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.288	113.709	81.194	N/A	N/A	32.515	AV
2			2483.500	52.303	19.722	-1.697	54.000	32.580	AV

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

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

Site: AC1	Time: 2016/11/30 - 19:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Ant 0 + 1 + 2	

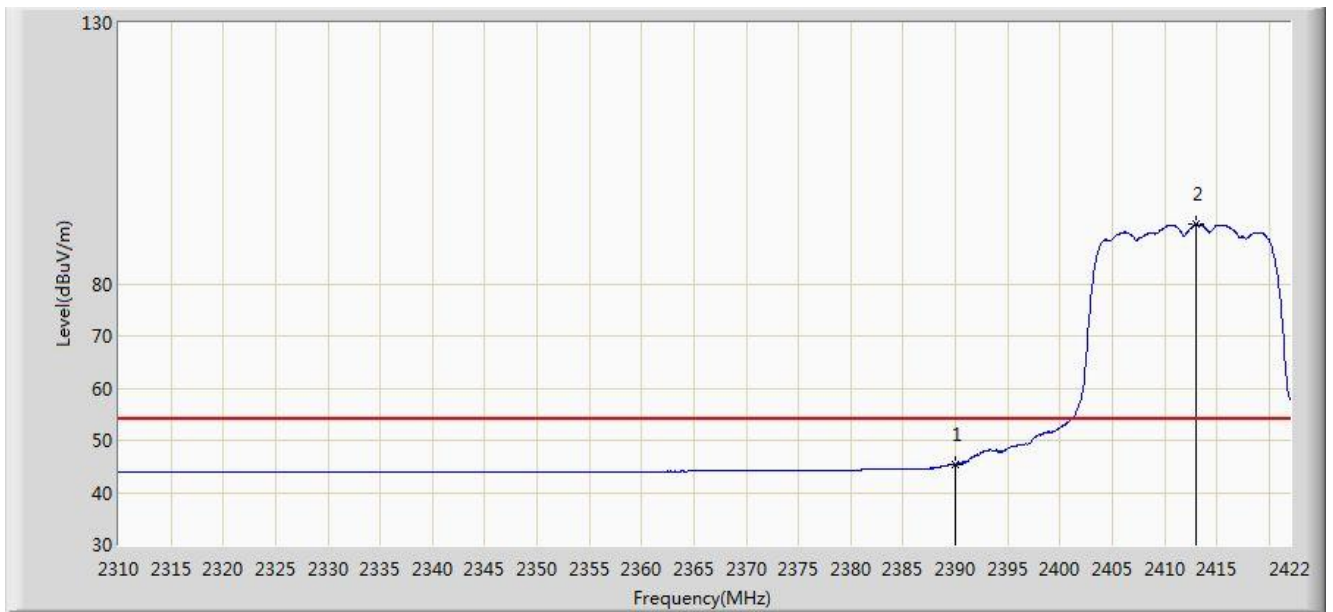


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.400	59.384	26.827	-14.616	74.000	32.556	PK
2			2390.000	58.751	26.197	-15.249	74.000	32.554	PK
3		*	2415.000	105.315	72.793	N/A	N/A	32.522	PK

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

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

Site: AC1	Time: 2016/11/30 - 19:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Ant 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.388	12.834	-8.612	54.000	32.554	AV
2		*	2412.984	91.340	58.816	N/A	N/A	32.524	AV

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

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

Site: AC1	Time: 2016/11/30 - 19:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Ant 0 + 1 + 2	

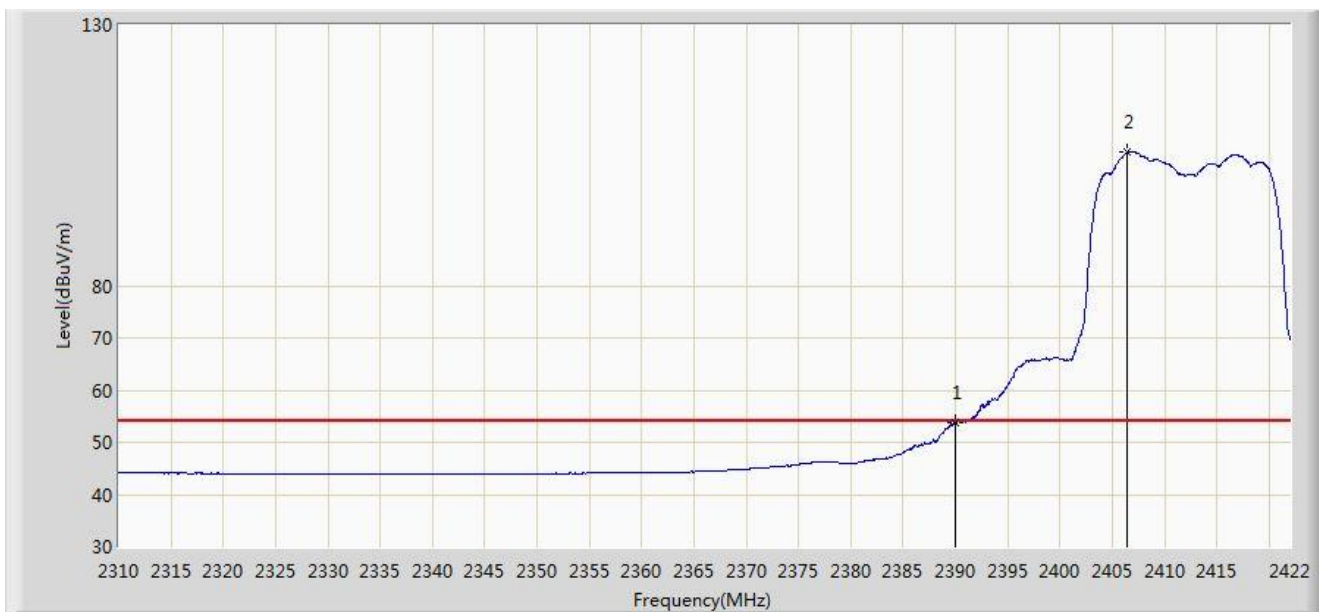


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.744	73.566	41.011	-0.434	74.000	32.555	PK
2			2390.000	73.399	40.845	-0.601	74.000	32.554	PK
3		*	2407.832	119.782	87.251	N/A	N/A	32.531	PK

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

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

Site: AC1	Time: 2016/11/30 - 19:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Vertical
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Ant 0 + 1 + 2	

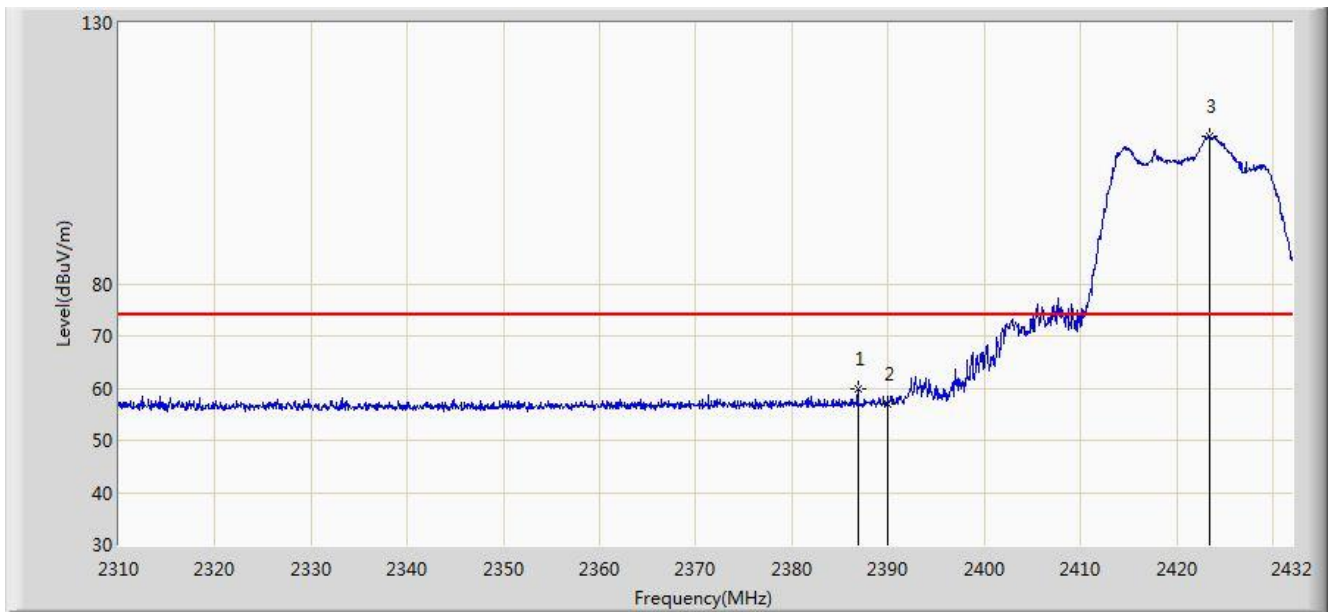


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.782	21.228	-0.218	54.000	32.554	AV
2		*	2406.432	105.637	73.104	N/A	N/A	32.532	AV

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

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

Site: AC1	Time: 2016/12/10 - 13:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ke
Probe: BBHA9120D_1GHz_18GHz_TW	Polarity: Horizontal
EUT: AC1900 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2422MHz Ant 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.860	59.776	27.217	-14.224	74.000	32.558	PK
2			2390.000	56.906	24.352	-17.094	74.000	32.554	PK
3		*	2423.460	108.234	75.722	N/A	N/A	32.512	PK

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

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