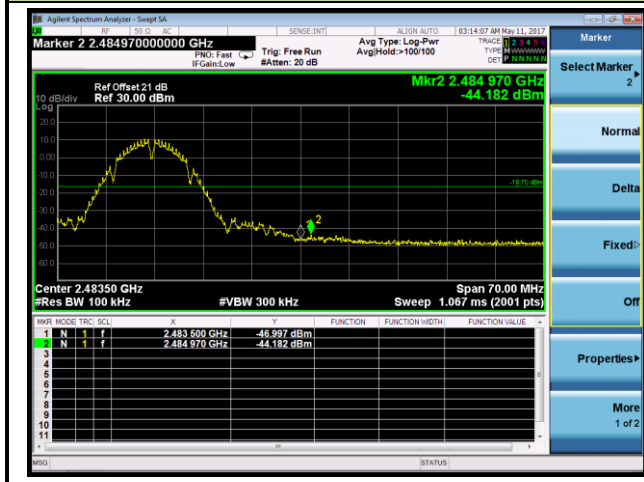


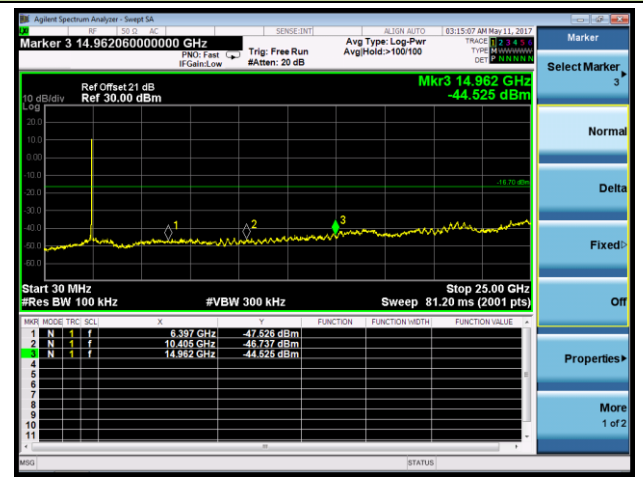
802.11b Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

Channel 11 (2462MHz)

High Band Edge

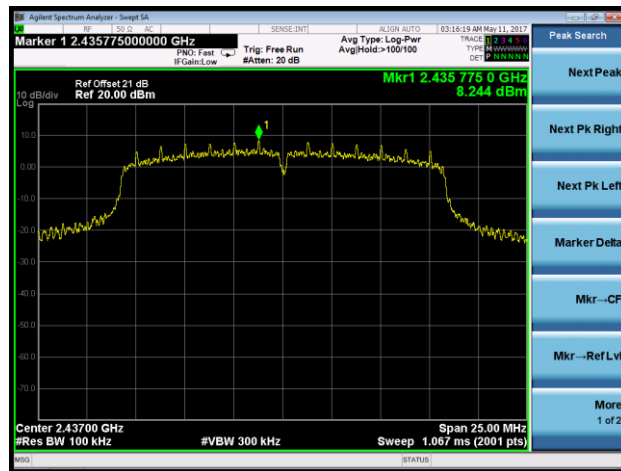


Spurious Emission



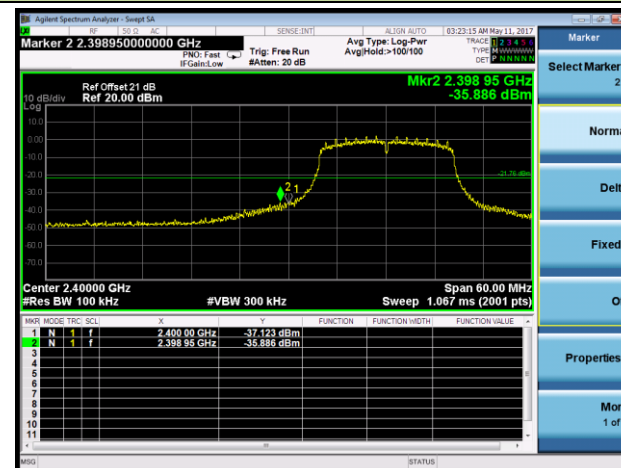
802.11g Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

100kHz PSD Reference Level

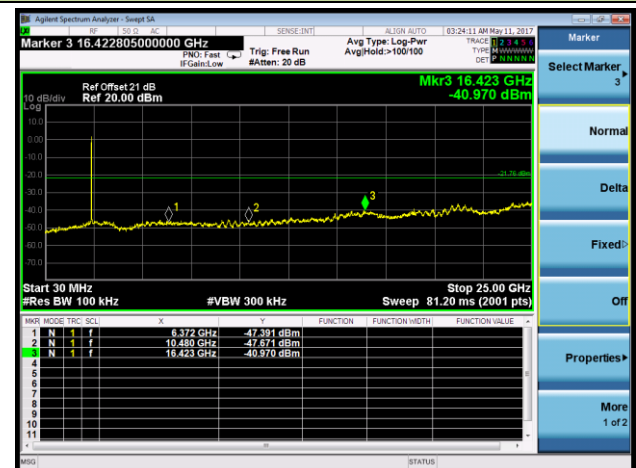


Channel 01 (2412MHz)

Low Band Edge

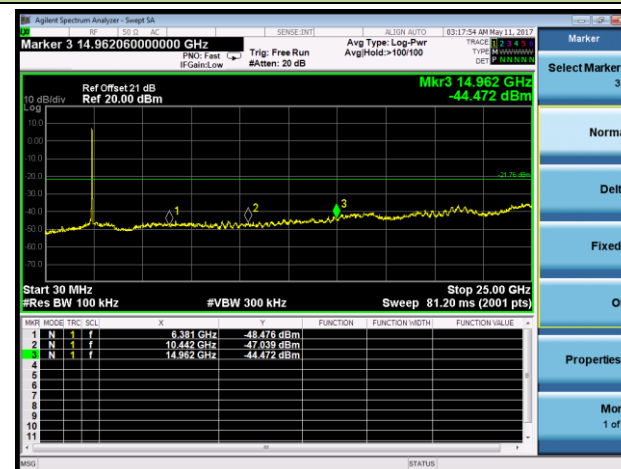


Spurious Emission



Channel 06 (2437MHz)

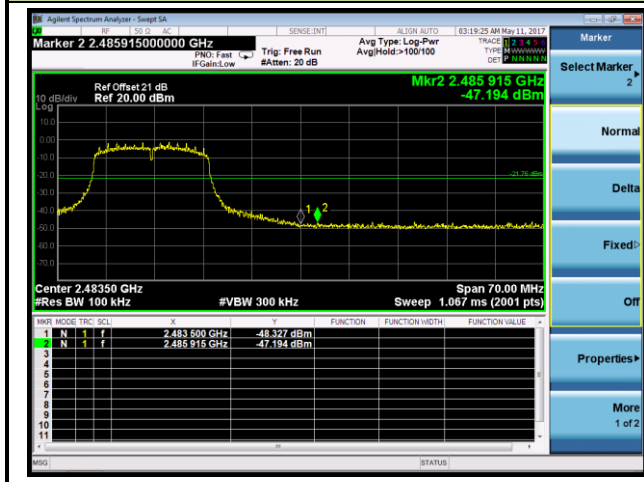
Spurious Emission



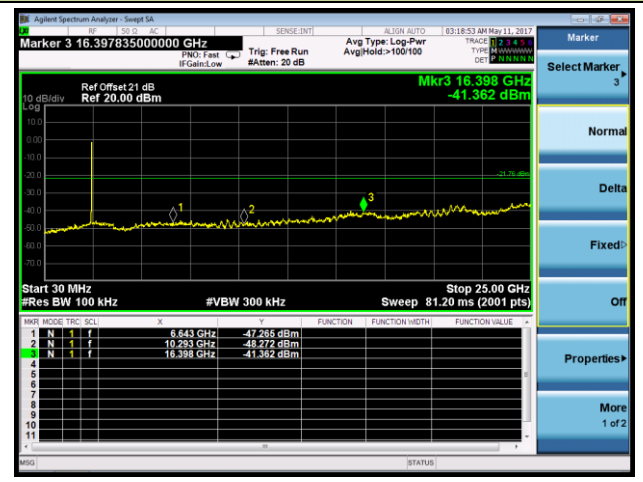
802.11g Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

Channel 11 (2462MHz)

High Band Edge

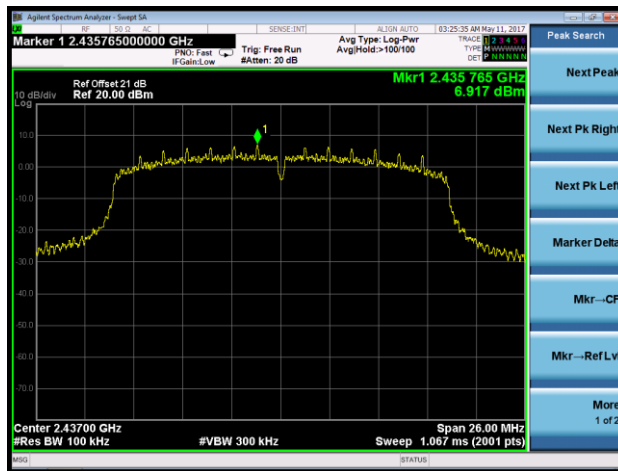


Spurious Emission



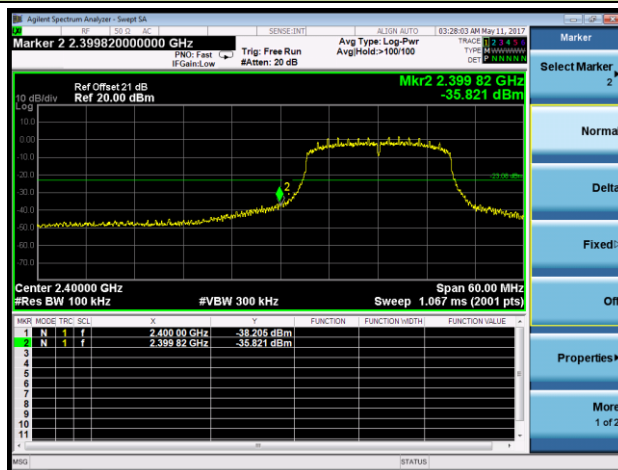
802.11n-HT20 Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

100kHz PSD Reference Level

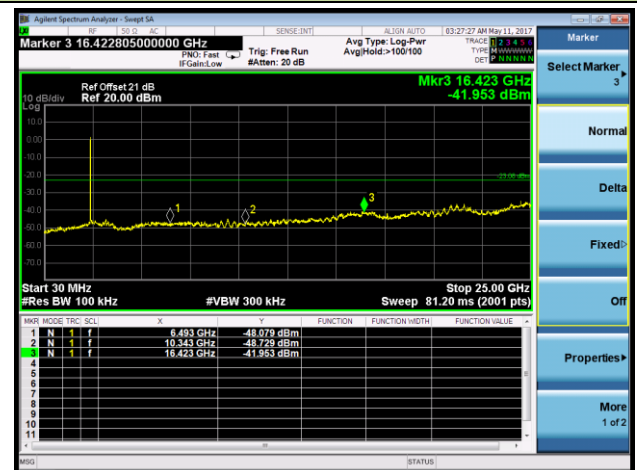


Channel 01 (2412MHz)

Low Band Edge

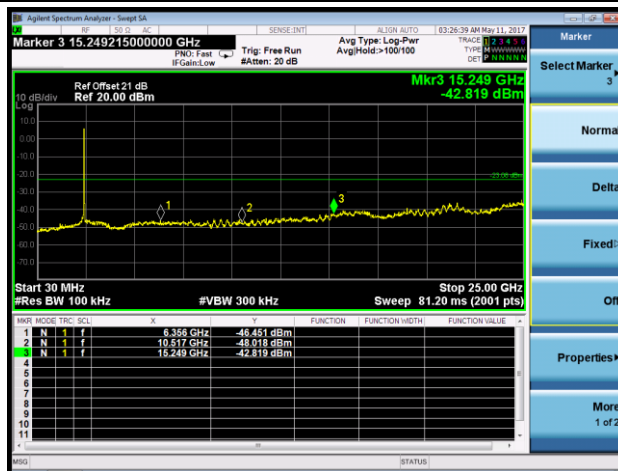


Spurious Emission



Channel 06 (2437MHz)

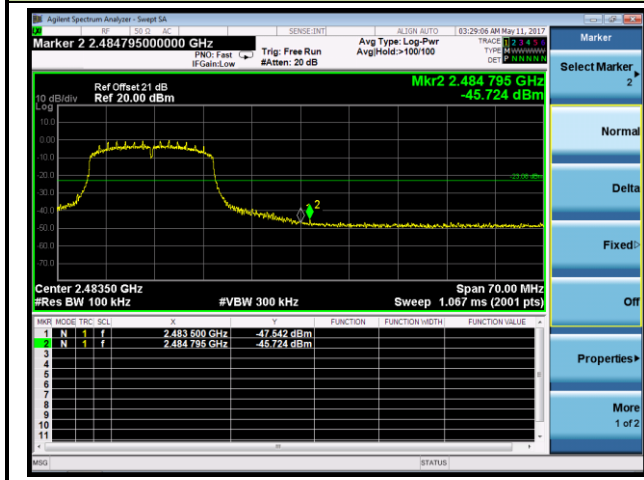
Spurious Emission



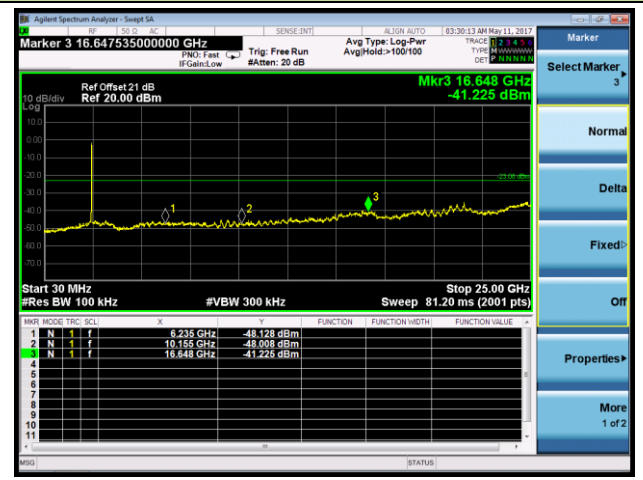
802.11n-HT20 Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

Channel 11 (2462MHz)

High Band Edge

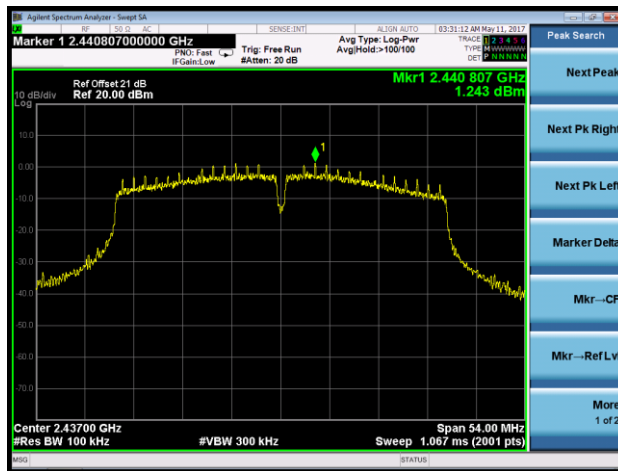


Spurious Emission



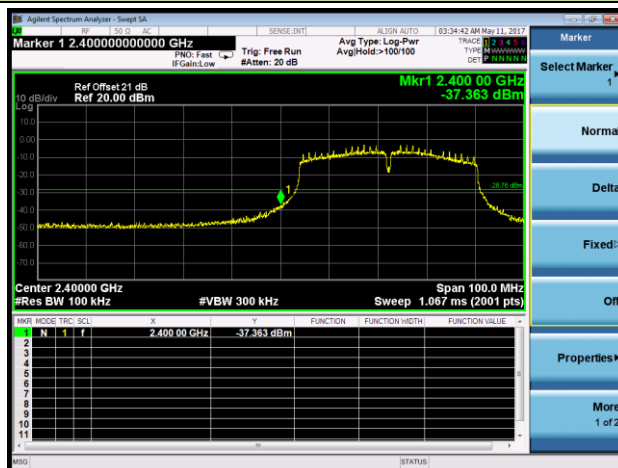
802.11n-HT40 Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

100kHz PSD Reference Level

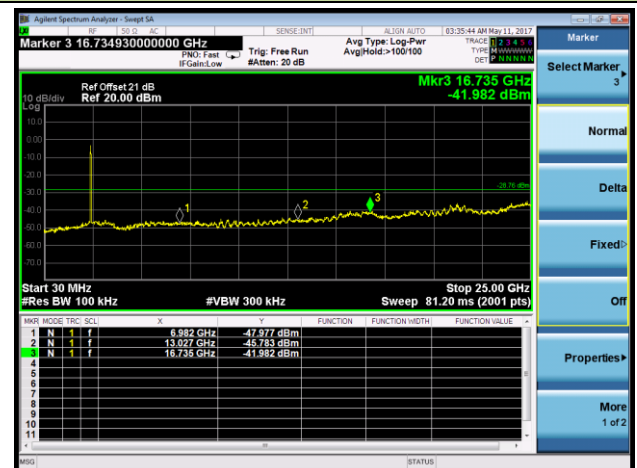


Channel 03 (2422MHz)

Low Band Edge

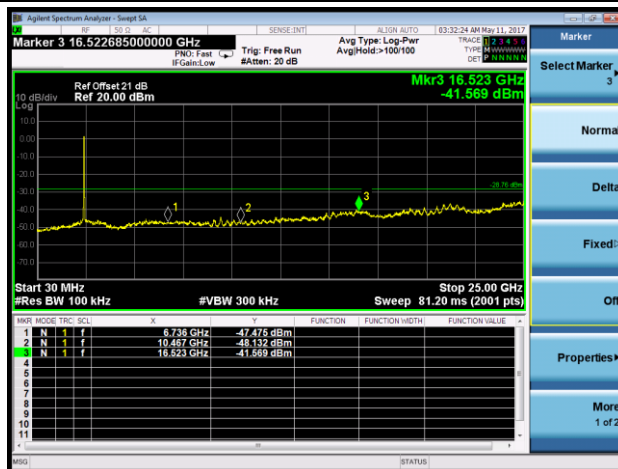


Spurious Emission



Channel 06 (2437MHz)

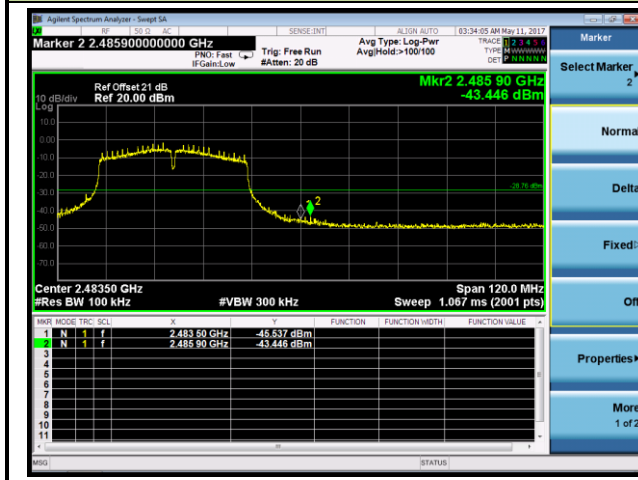
Spurious Emission



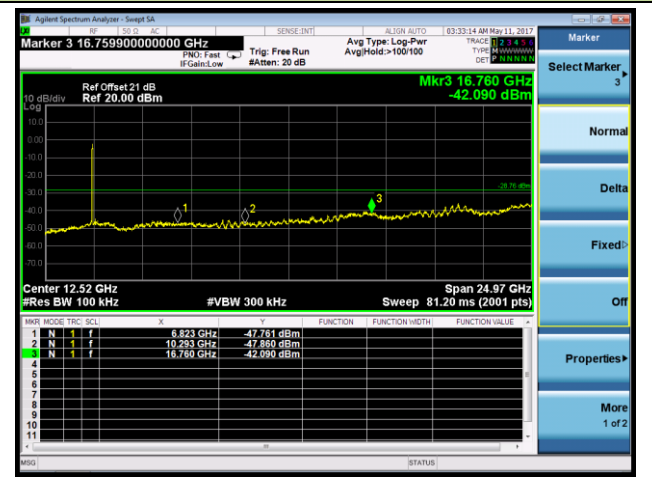
802.11n-HT40 Out-of-Band Emissions - Chain 0 / Chain 0 + 1 + 2

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 D01v04 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v04 - 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

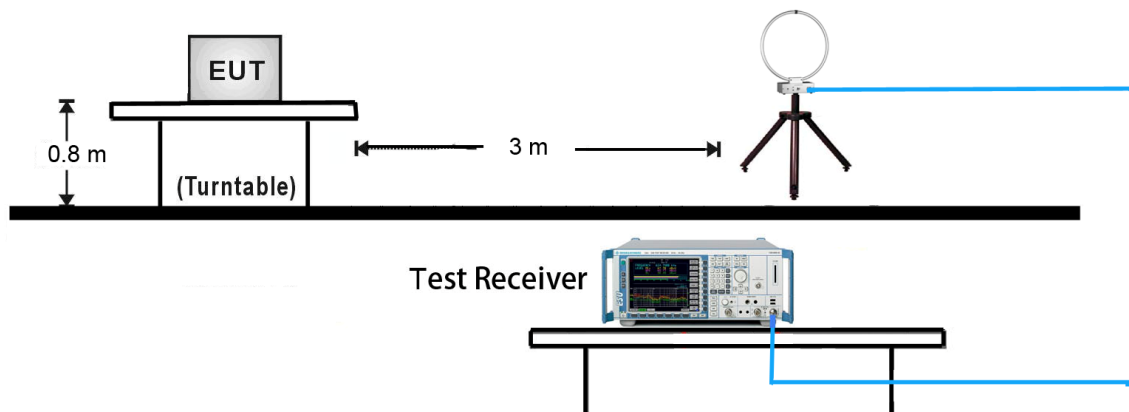
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

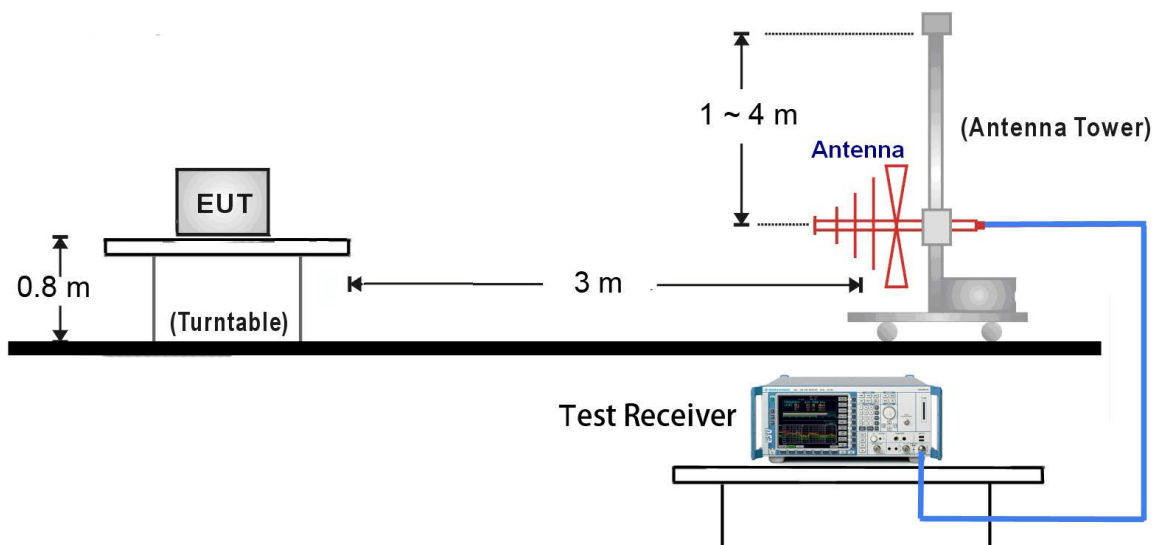
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). 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

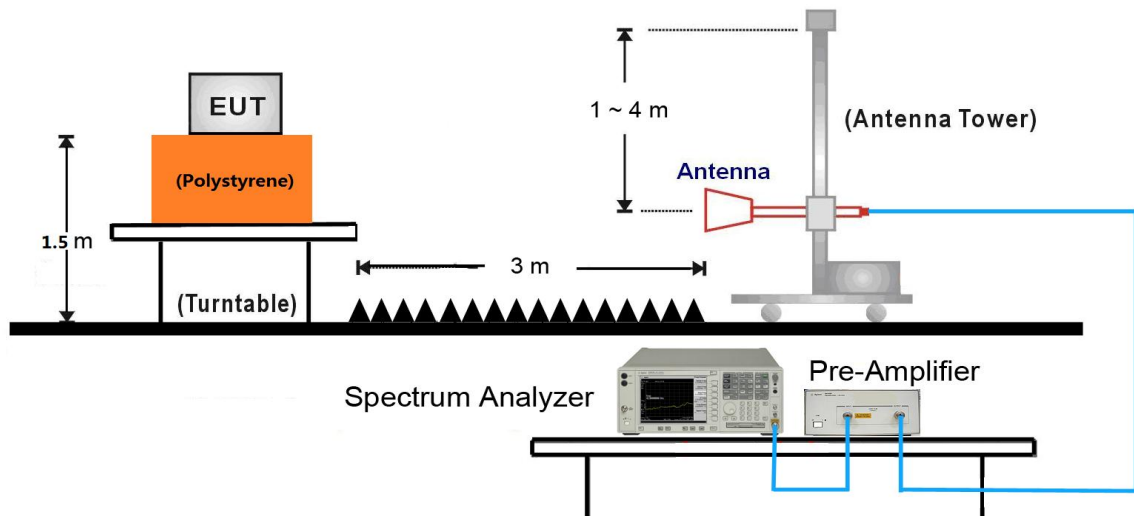
9kHz ~ 30MHz Test Setup:



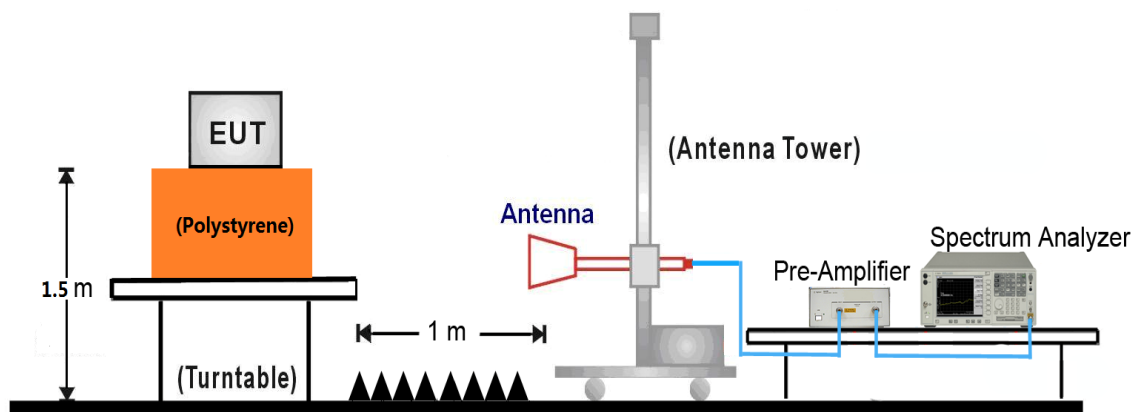
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
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
	4825.0	36.8	2.7	39.5	74.0	-34.5	Peak	Horizontal
*	7179.5	33.6	10.6	44.2	85.9	-41.7	Peak	Horizontal
	10868.5	32.0	16.2	48.2	74.0	-25.8	Peak	Horizontal
*	16453.0	31.7	18.0	49.7	85.9	-36.2	Peak	Horizontal
	4825.0	38.4	2.7	41.1	74.0	-32.9	Peak	Vertical
*	7239.0	35.4	10.6	46.0	85.9	-39.9	Peak	Vertical
	10868.5	32.7	16.2	48.9	74.0	-25.1	Peak	Vertical
*	16487.0	33.5	18.2	51.7	85.9	-34.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.9dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
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	40.8	2.6	43.4	74.0	-30.6	Peak	Horizontal
*	5998.0	34.9	5.3	40.2	83.3	-43.1	Peak	Horizontal
	7409.0	33.5	10.8	44.3	74.0	-29.7	Peak	Horizontal
*	8684.0	33.9	11.2	45.1	83.3	-38.2	Peak	Horizontal
	4876.0	45.5	2.6	48.1	74.0	-25.9	Peak	Vertical
*	5955.5	34.1	5.3	39.4	83.3	-43.9	Peak	Vertical
	7315.5	36.3	10.7	47.0	74.0	-27.0	Peak	Vertical
*	9746.5	33.8	12.7	46.5	83.3	-36.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.3dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
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	38.9	2.6	41.5	74.0	-32.5	Peak	Horizontal
*	7001.0	33.3	9.4	42.7	86.0	-43.3	Peak	Horizontal
	10622.0	33.7	15.5	49.2	74.0	-24.8	Peak	Horizontal
*	12968.0	31.8	17.3	49.1	86.0	-36.9	Peak	Horizontal
	4927.0	40.4	2.6	43.0	74.0	-31.0	Peak	Vertical
*	6006.5	34.6	5.3	39.9	86.0	-46.1	Peak	Vertical
	7383.5	34.4	10.7	45.1	74.0	-28.9	Peak	Vertical
*	9568.0	33.2	13.0	46.2	86.0	-39.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.0dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
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
	5003.5	36.3	2.7	39.0	74.0	-35.0	Peak	Horizontal
*	6584.5	33.1	7.5	40.6	83.2	-42.6	Peak	Horizontal
	8216.5	32.7	10.4	43.1	74.0	-30.9	Peak	Horizontal
*	9542.5	33.2	12.7	45.9	83.2	-37.3	Peak	Horizontal
	4646.5	34.9	2.5	37.4	74.0	-36.6	Peak	Vertical
*	6805.5	33.6	7.9	41.5	83.2	-41.7	Peak	Vertical
	9041.0	32.4	11.8	44.2	74.0	-29.8	Peak	Vertical
*	9670.0	33.7	12.6	46.3	83.2	-36.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.2dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
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	36.7	2.6	39.3	74.0	-34.7	Peak	Horizontal
*	6491.0	34.1	7.3	41.4	88.4	-47.0	Peak	Horizontal
	8072.0	33.0	10.9	43.9	74.0	-30.1	Peak	Horizontal
*	10579.5	32.2	15.4	47.6	88.4	-40.8	Peak	Horizontal
	4876.0	40.1	2.6	42.7	74.0	-31.3	Peak	Vertical
*	6601.5	33.9	7.5	41.4	88.4	-47.0	Peak	Vertical
	7307.0	34.2	10.7	44.9	74.0	-29.1	Peak	Vertical
*	10265.0	32.9	14.2	47.1	88.4	-41.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.4dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
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
	4689.0	35.1	2.7	37.8	74.0	-36.2	Peak	Horizontal
*	6244.5	34.2	5.9	40.1	81.3	-41.2	Peak	Horizontal
	7621.5	32.7	10.6	43.3	74.0	-30.7	Peak	Horizontal
*	9627.5	33.4	12.7	46.1	81.3	-35.2	Peak	Horizontal
	4697.5	35.5	2.6	38.1	74.0	-35.9	Peak	Vertical
*	6618.5	33.7	7.6	41.3	81.3	-40.0	Peak	Vertical
	7562.0	32.7	10.9	43.6	74.0	-30.4	Peak	Vertical
*	10401.0	33.2	14.8	48.0	81.3	-33.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.3dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Kevin Ker
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
	4655.0	35.9	2.6	38.5	74.0	-35.5	Peak	Horizontal
*	6117.0	33.9	5.6	39.5	82.5	-43.0	Peak	Horizontal
	7298.5	33.1	10.7	43.8	74.0	-30.2	Peak	Horizontal
*	9585.0	33.1	12.5	45.6	82.5	-36.9	Peak	Horizontal
	4825.0	35.0	2.7	37.7	74.0	-36.3	Peak	Vertical
*	6006.5	34.8	5.3	40.1	82.5	-42.4	Peak	Vertical
	7443.0	33.4	10.7	44.1	74.0	-29.9	Peak	Vertical
*	9542.5	33.0	12.7	45.7	82.5	-36.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.5dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
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	35.9	2.6	38.5	74.0	-35.5	Peak	Horizontal
*	6618.5	33.9	7.6	41.5	87.3	-45.8	Peak	Horizontal
	7502.5	32.7	11.0	43.7	74.0	-30.3	Peak	Horizontal
*	10333.0	32.1	14.7	46.8	87.3	-40.5	Peak	Horizontal
	4876.0	37.7	2.6	40.3	74.0	-33.7	Peak	Vertical
*	6406.0	34.2	6.6	40.8	87.3	-46.5	Peak	Vertical
	7383.5	33.2	10.7	43.9	74.0	-30.1	Peak	Vertical
*	10095.0	33.4	13.4	46.8	87.3	-40.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.3dBμV/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 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Kevin Ker
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
	4969.5	36.5	2.7	39.2	74.0	-34.8	Peak	Horizontal
*	6661.0	34.0	7.6	41.6	80.5	-38.9	Peak	Horizontal
	7502.5	32.5	11.0	43.5	74.0	-30.5	Peak	Horizontal
*	8947.5	33.3	11.6	44.9	80.5	-35.6	Peak	Horizontal
	4638.0	35.2	2.4	37.6	74.0	-36.4	Peak	Vertical
*	6338.0	34.1	6.1	40.2	80.5	-40.3	Peak	Vertical
	7392.0	33.8	10.7	44.5	74.0	-29.5	Peak	Vertical
*	9687.0	33.0	12.5	45.5	80.5	-35.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.5dBμV/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-HT40 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Kevin Ker
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
	4621.0	36.3	2.3	38.6	74.0	-35.4	Peak	Horizontal
*	6576.0	33.5	7.5	41.0	77.9	-36.9	Peak	Horizontal
	7519.5	33.2	10.9	44.1	74.0	-29.9	Peak	Horizontal
*	9627.5	32.7	12.7	45.4	77.9	-32.5	Peak	Horizontal
	4893.0	35.3	2.7	38.0	74.0	-36.0	Peak	Vertical
*	6550.5	33.7	7.4	41.1	77.9	-36.8	Peak	Vertical
	7264.5	33.6	10.7	44.3	74.0	-29.7	Peak	Vertical
*	10596.5	32.8	15.5	48.3	77.9	-29.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (107.9dBμV/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:	802.11n-HT40 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Kevin Ker
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
	4638.0	34.9	2.4	37.3	74.0	-36.7	Peak	Horizontal
*	6176.5	34.1	5.9	40.0	82.6	-42.6	Peak	Horizontal
	7460.0	32.5	11.1	43.6	74.0	-30.4	Peak	Horizontal
*	9576.5	32.4	12.8	45.2	82.6	-37.4	Peak	Horizontal
	5003.5	35.2	2.7	37.9	74.0	-36.1	Peak	Vertical
*	6270.0	34.1	6.2	40.3	82.6	-42.3	Peak	Vertical
	7392.0	32.7	10.7	43.4	74.0	-30.6	Peak	Vertical
*	8582.0	33.3	11.0	44.3	82.6	-38.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.60dBμV/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-HT40 - Chain 0 + 1 + 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Kevin Ker
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	35.7	2.6	38.3	74.0	-35.7	Peak	Horizontal
*	6499.5	33.7	7.2	40.9	78.2	-37.3	Peak	Horizontal
	7519.5	32.6	10.9	43.5	74.0	-30.5	Peak	Horizontal
*	9610.5	33.2	12.5	45.7	78.2	-32.5	Peak	Horizontal
	4655.0	35.5	2.6	38.1	74.0	-35.9	Peak	Vertical
*	6253.0	34.3	6.1	40.4	78.2	-37.8	Peak	Vertical
	7562.0	33.0	10.9	43.9	74.0	-30.1	Peak	Vertical
*	10273.5	32.4	14.4	46.8	78.2	-31.4	Peak	Vertical

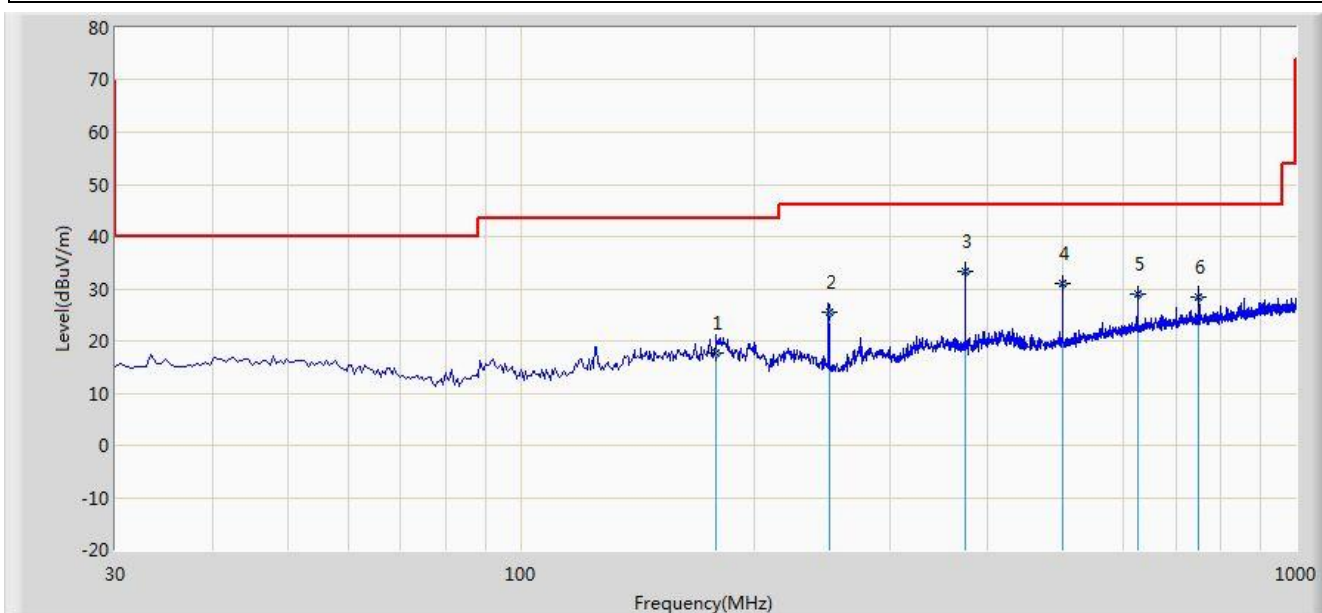
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (108.2dBμV/m) or FCC 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/05/25 - 17:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11b at Channel 2437MHz Chain 0 + 1 + 2	



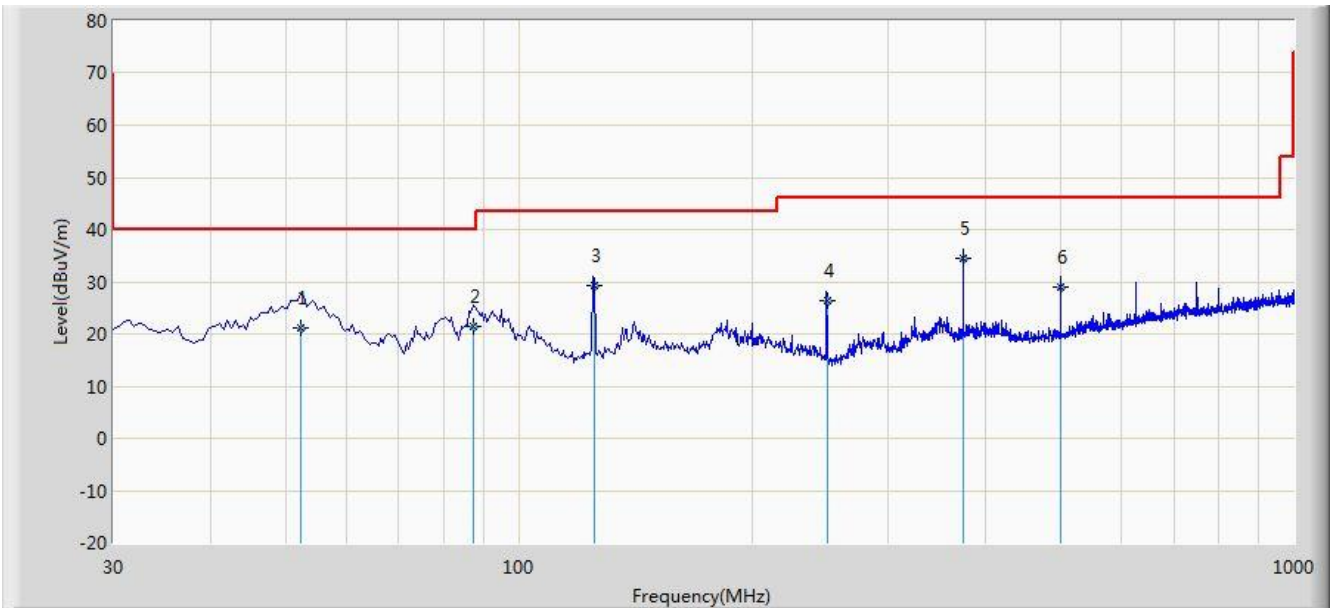
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			178.900	17.581	4.620	-25.919	43.500	12.961	QP
2			249.820	25.374	12.450	-20.626	46.000	12.925	QP
3		*	374.840	33.420	17.420	-12.580	46.000	16.000	QP
4			500.000	30.913	12.430	-15.087	46.000	18.483	QP
5			625.110	28.886	7.860	-17.114	46.000	21.027	QP
6			750.230	28.489	5.780	-17.511	46.000	22.709	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: 2017/05/25 - 17:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Worst Mode: Transmit by 802.11b at Channel 2437MHz Chain 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			52.330	21.297	7.410	-18.703	40.000	13.887	QP
2			87.540	21.584	11.420	-18.416	40.000	10.164	QP
3			125.000	29.336	15.890	-14.164	43.500	13.446	QP
4			250.200	26.486	13.550	-19.514	46.000	12.936	QP
5		*	374.930	34.452	18.450	-11.548	46.000	16.002	QP
6			500.000	28.903	10.420	-17.097	46.000	18.483	QP

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

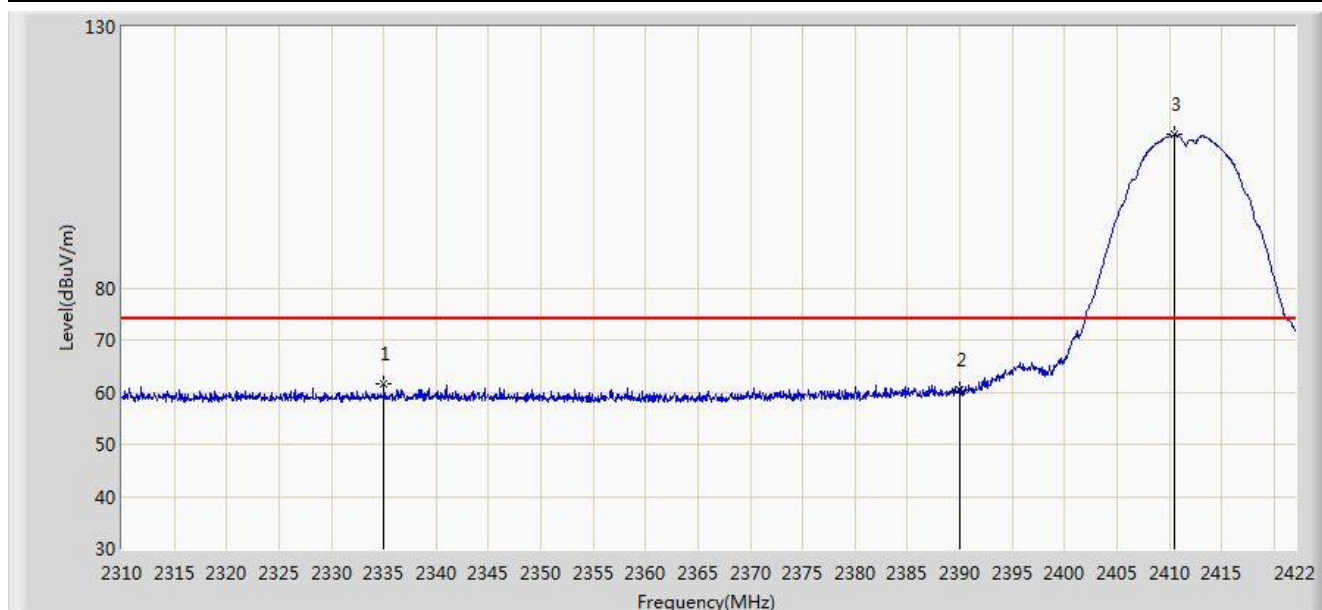
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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.

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

Site: AC2	Time: 2017/05/09 - 23:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz, Chain 0 + 1 + 2	

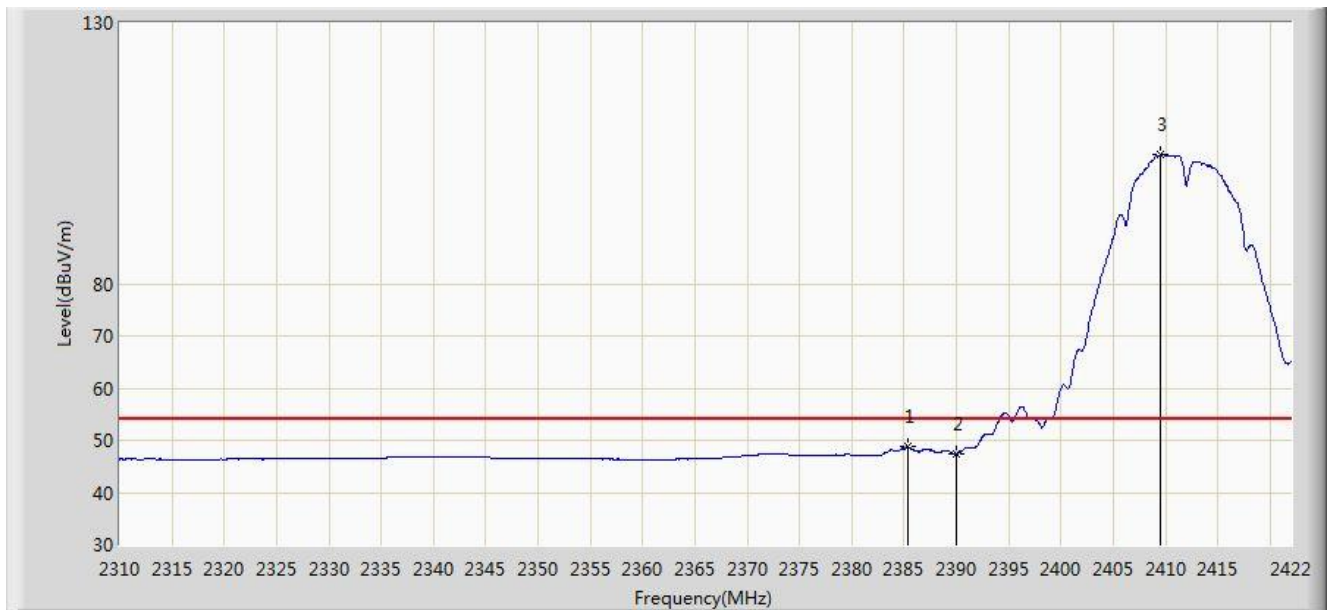


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2335.032	61.527	29.190	-12.473	74.000	32.337	PK
2			2390.000	60.556	28.278	-13.444	74.000	32.278	PK
3		*	2410.464	109.306	77.060	N/A	N/A	32.246	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz, Chain 0 + 1 + 2	

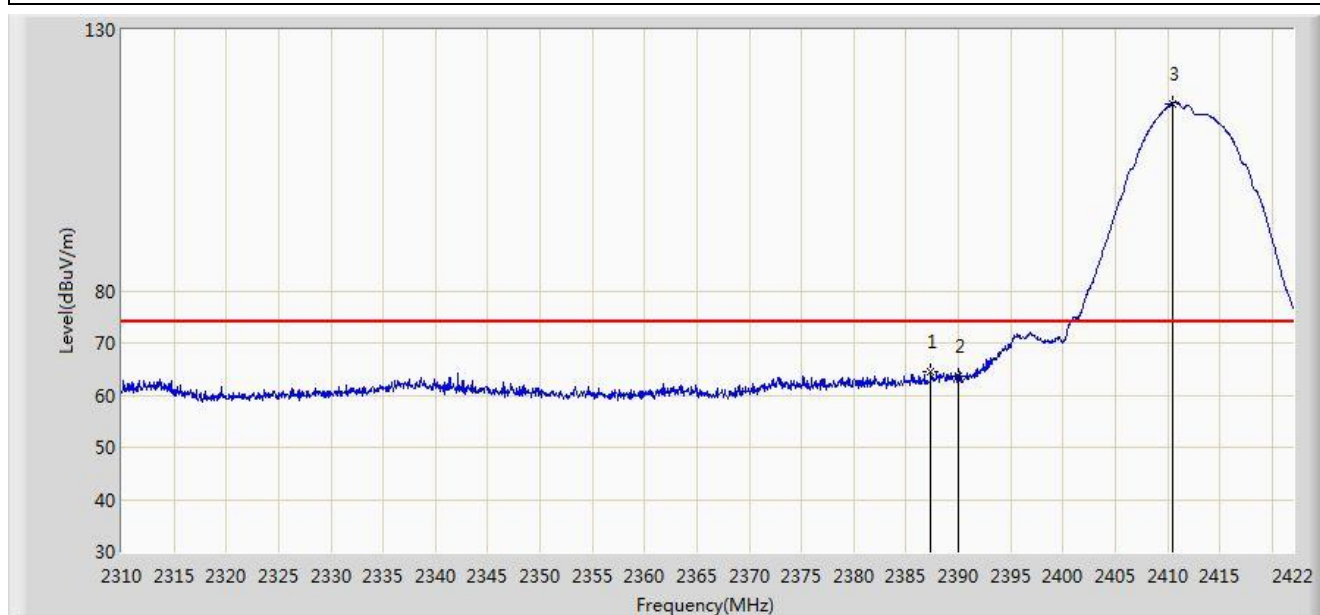


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.320	48.832	16.580	-5.168	54.000	32.252	AV
2			2390.000	47.323	15.045	-6.677	54.000	32.278	AV
3		*	2409.512	104.754	72.505	N/A	N/A	32.249	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz, Chain 0 + 1 + 2	

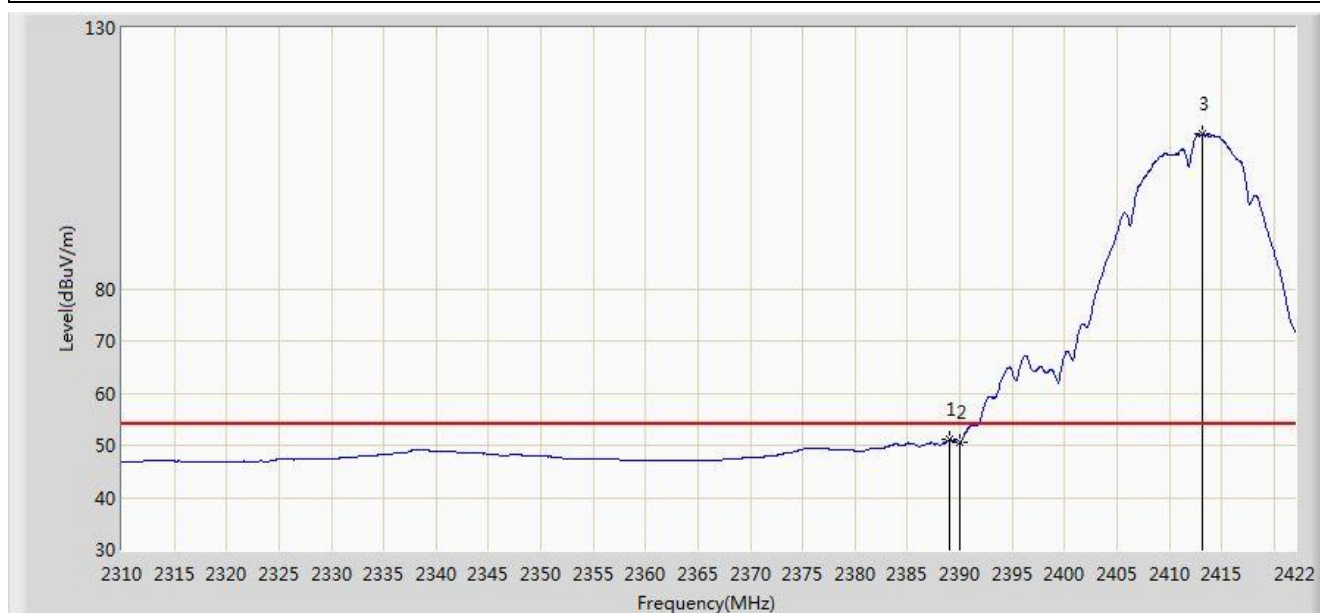


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.392	64.391	32.127	-9.609	74.000	32.264	PK
2			2390.000	63.549	31.271	-10.451	74.000	32.278	PK
3		*	2410.464	115.896	83.650	N/A	N/A	32.246	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz, Chain 0 + 1 + 2	

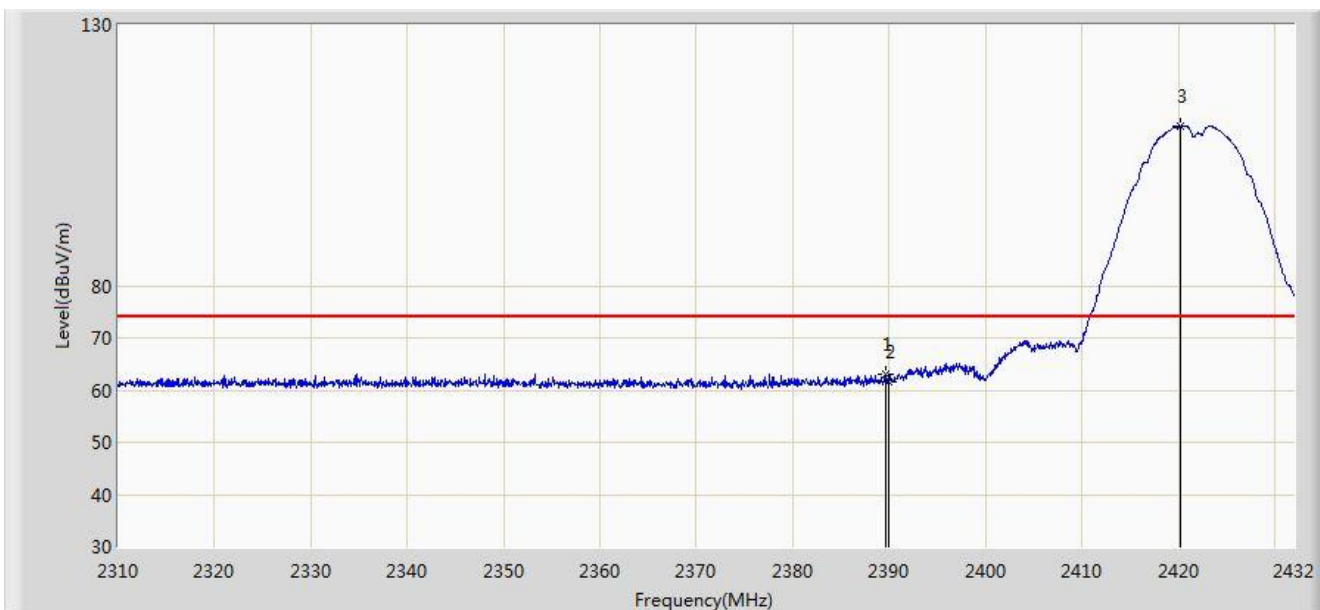


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.072	51.165	18.892	-2.835	54.000	32.273	AV
2			2390.000	50.489	18.211	-3.511	54.000	32.278	AV
3		*	2413.096	109.581	77.346	N/A	N/A	32.235	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2422MHz, Chain 0 + 1 + 2	

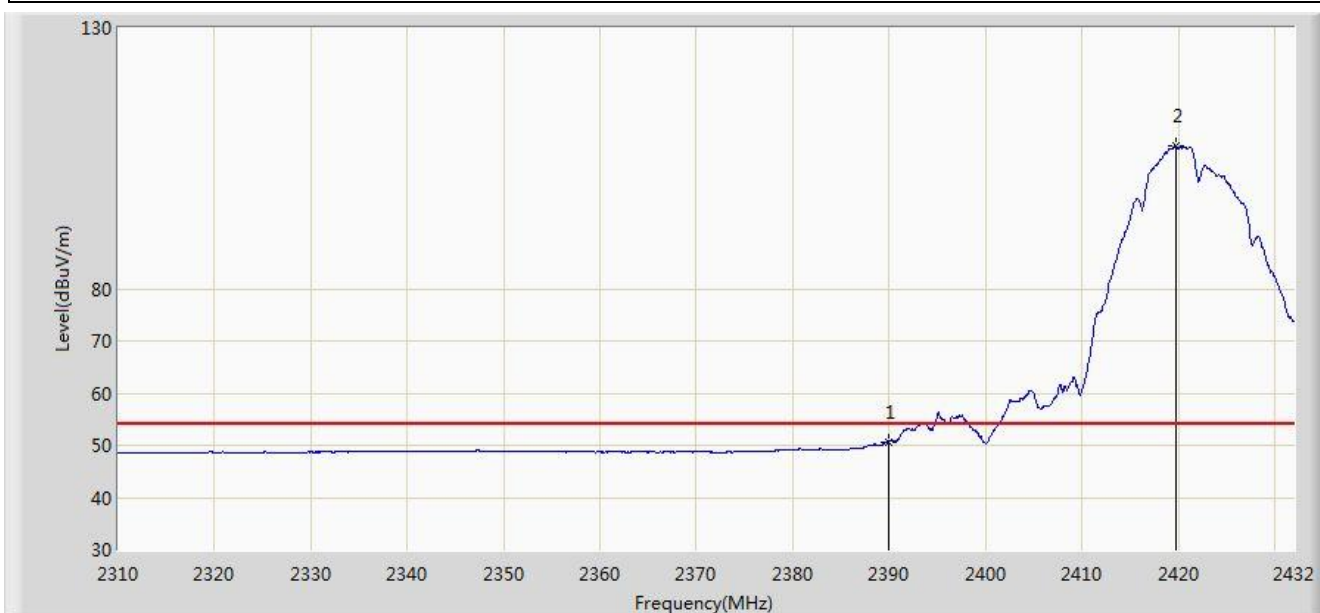


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.666	63.012	30.736	-10.988	74.000	32.277	PK
2			2390.000	61.535	29.257	-12.465	74.000	32.278	PK
3		*	2420.166	110.633	78.427	N/A	N/A	32.206	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2422MHz, Chain 0 + 1 + 2	

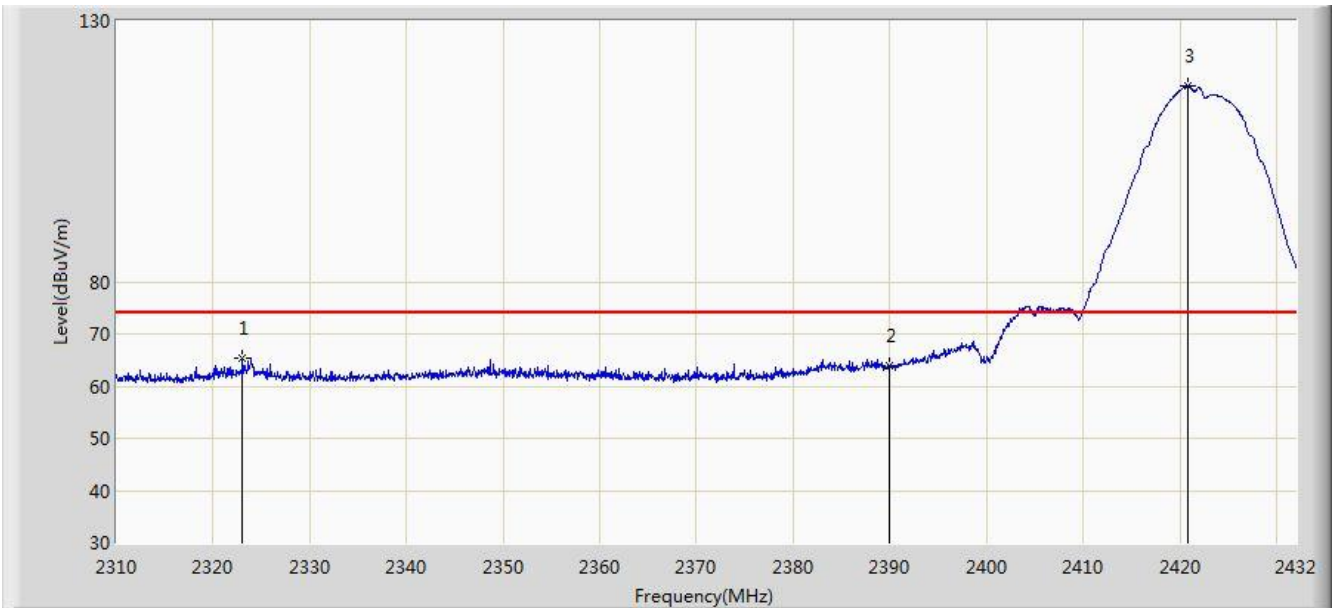


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.705	18.427	-3.295	54.000	32.278	AV
2		*	2419.739	107.398	75.190	N/A	N/A	32.208	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2422MHz, Chain 0 + 1 + 2	

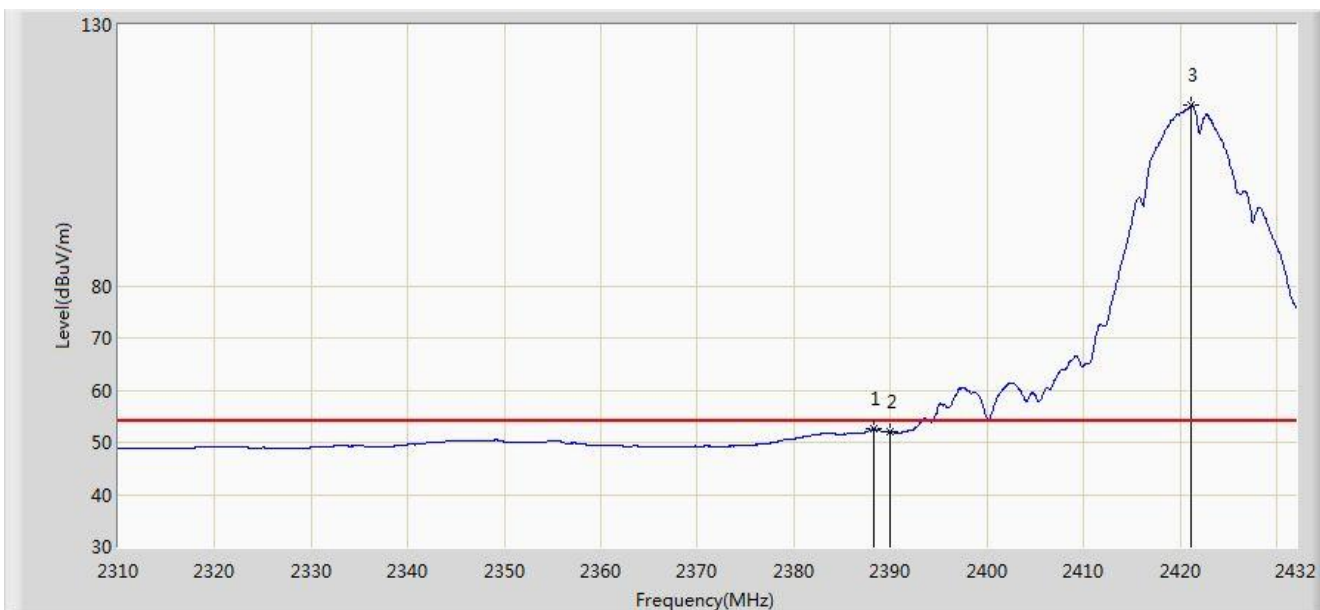


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2323.054	65.372	32.980	-8.628	74.000	32.392	PK
2			2390.000	63.792	31.514	-10.208	74.000	32.278	PK
3		*	2420.837	117.599	85.396	N/A	N/A	32.203	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2422MHz, Chain 0 + 1 + 2	

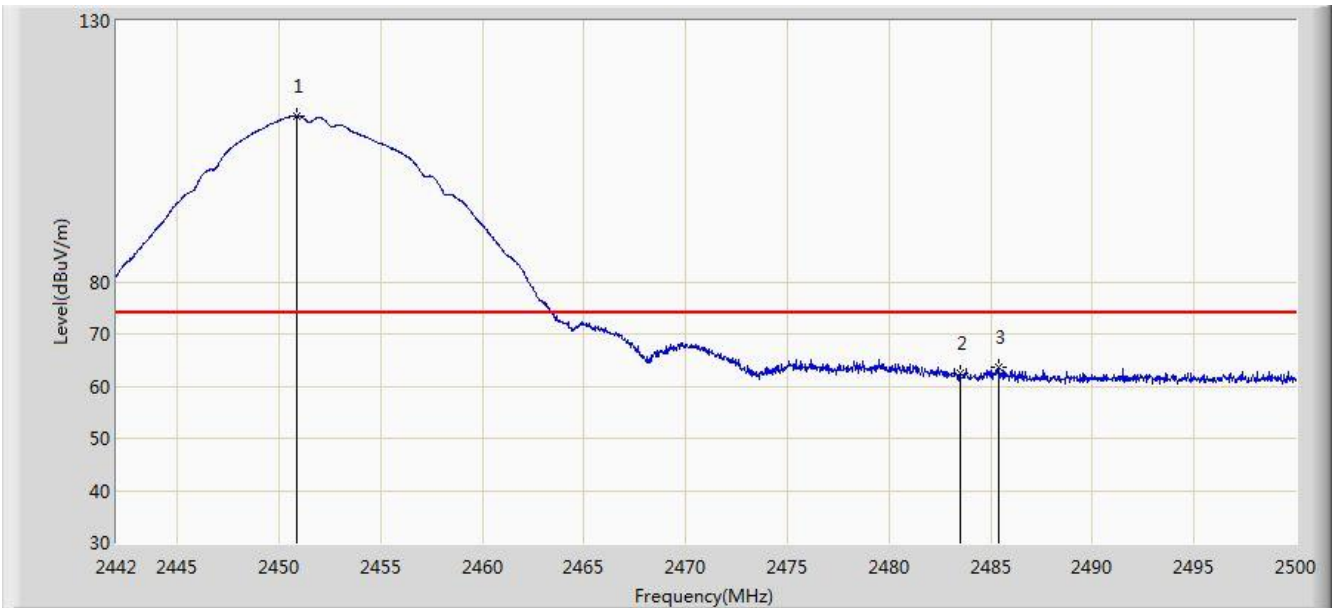


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.324	52.488	20.219	-1.512	54.000	32.269	AV
2			2390.000	52.014	19.736	-1.986	54.000	32.278	AV
3		*	2421.203	114.600	82.399	N/A	N/A	32.201	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2452MHz, Chain 0 + 1 + 2	

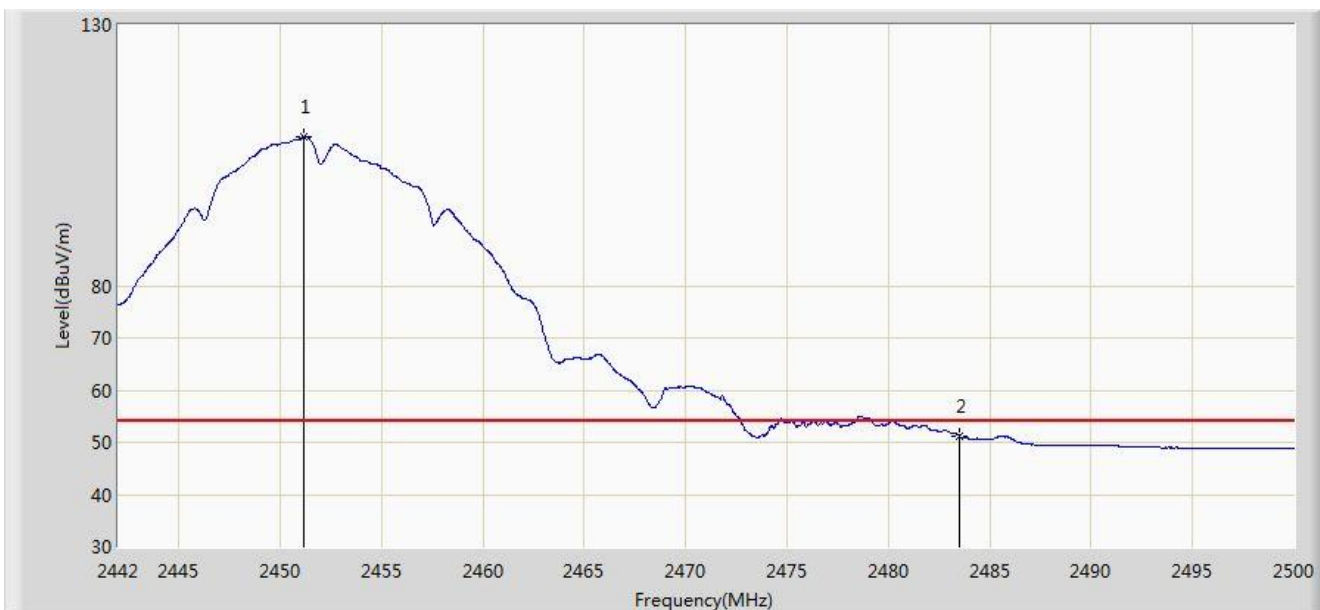


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.845	111.794	79.604	N/A	N/A	32.190	PK
2			2483.500	62.558	30.277	-11.442	74.000	32.282	PK
3			2485.413	63.483	31.195	-10.517	74.000	32.288	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2452MHz, Chain 0 + 1 + 2	

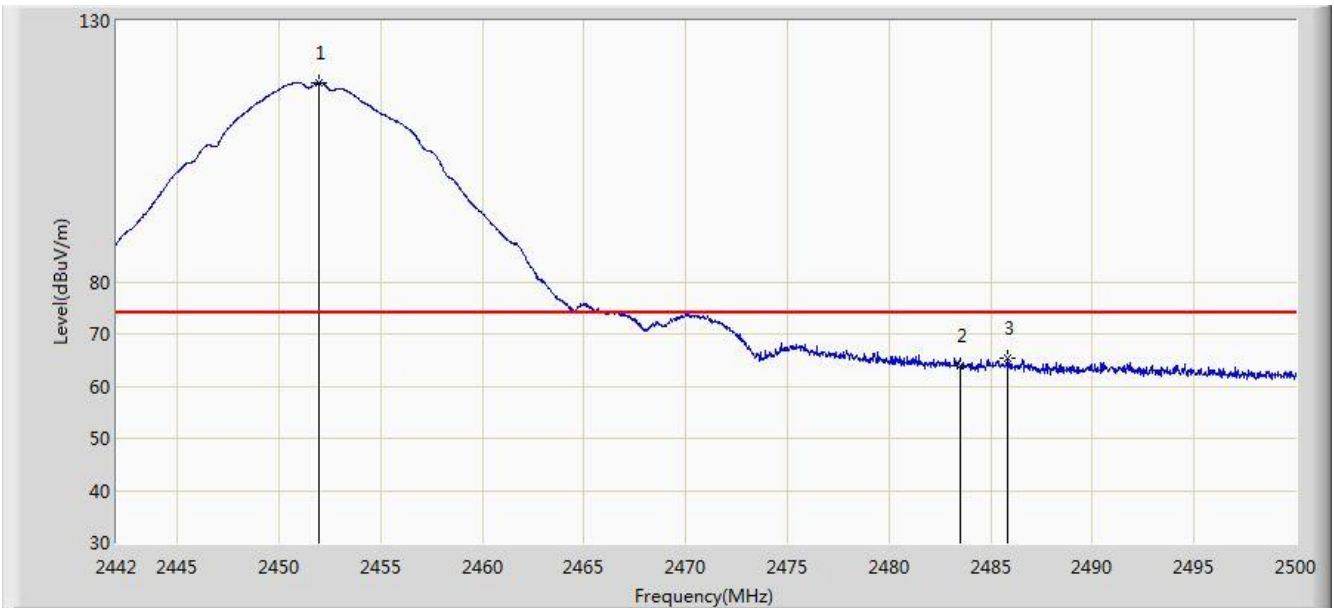


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2451.164	108.593	76.401	N/A	N/A	32.192	AV
2			2483.500	51.219	18.938	-2.781	54.000	32.282	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2452MHz, Chain 0 + 1 + 2	

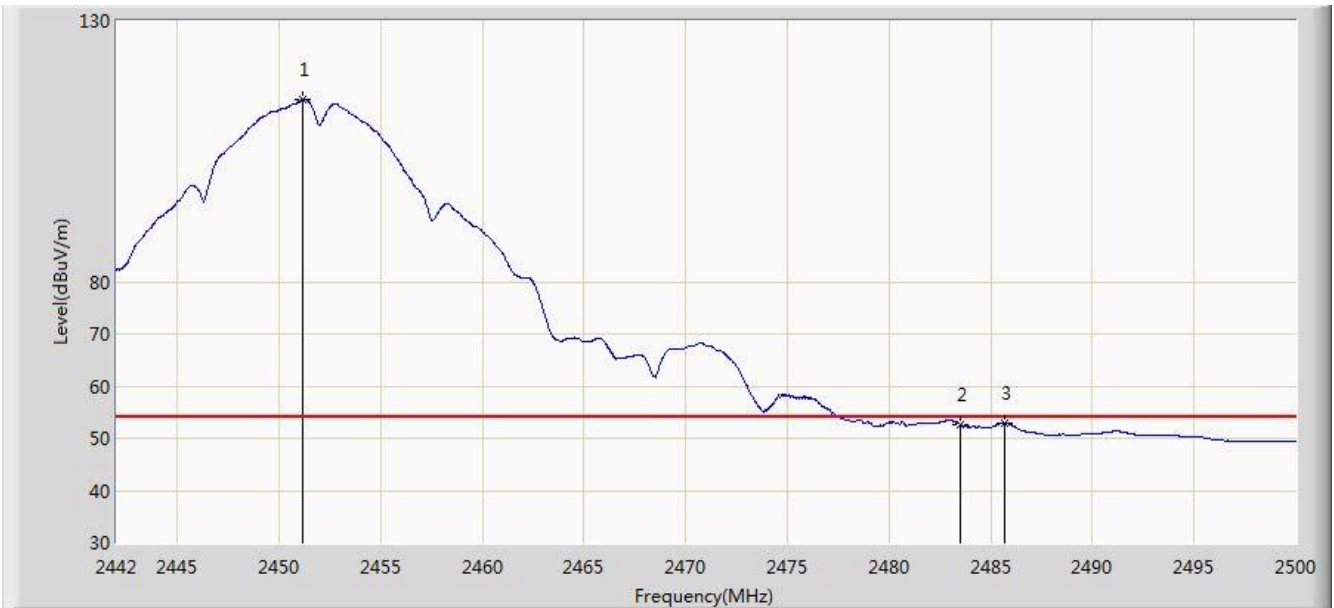


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2451.947	118.180	85.985	N/A	N/A	32.195	PK
2			2483.500	63.813	31.532	-10.187	74.000	32.282	PK
3			2485.848	65.500	33.211	-8.500	74.000	32.289	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2452MHz, Chain 0 + 1 + 2	

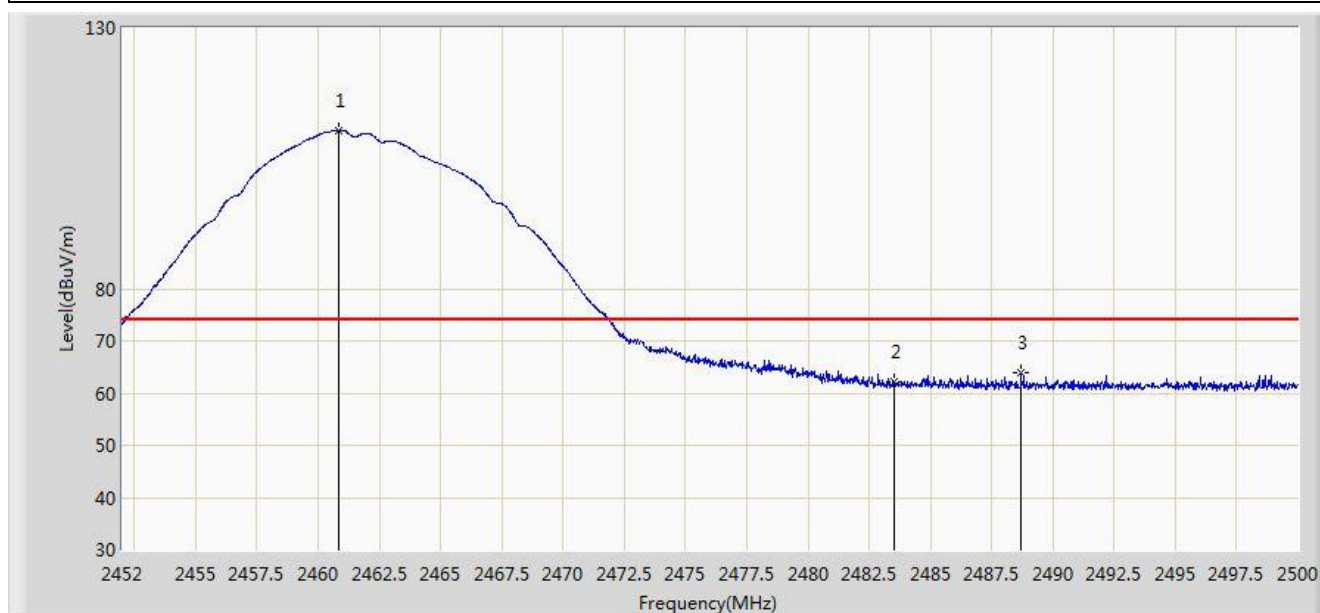


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2451.193	115.053	82.861	N/A	N/A	32.192	AV
2			2483.500	52.691	20.410	-1.309	54.000	32.282	AV
3			2485.703	52.979	20.690	-1.021	54.000	32.289	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz, Chain 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		*	2460.856	110.367	78.134	N/A	N/A	32.233	PK
2			2483.500	62.064	29.783	-11.936	74.000	32.282	PK
3			2488.696	63.842	31.543	-10.158	74.000	32.299	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz, Chain 0 + 1 + 2	

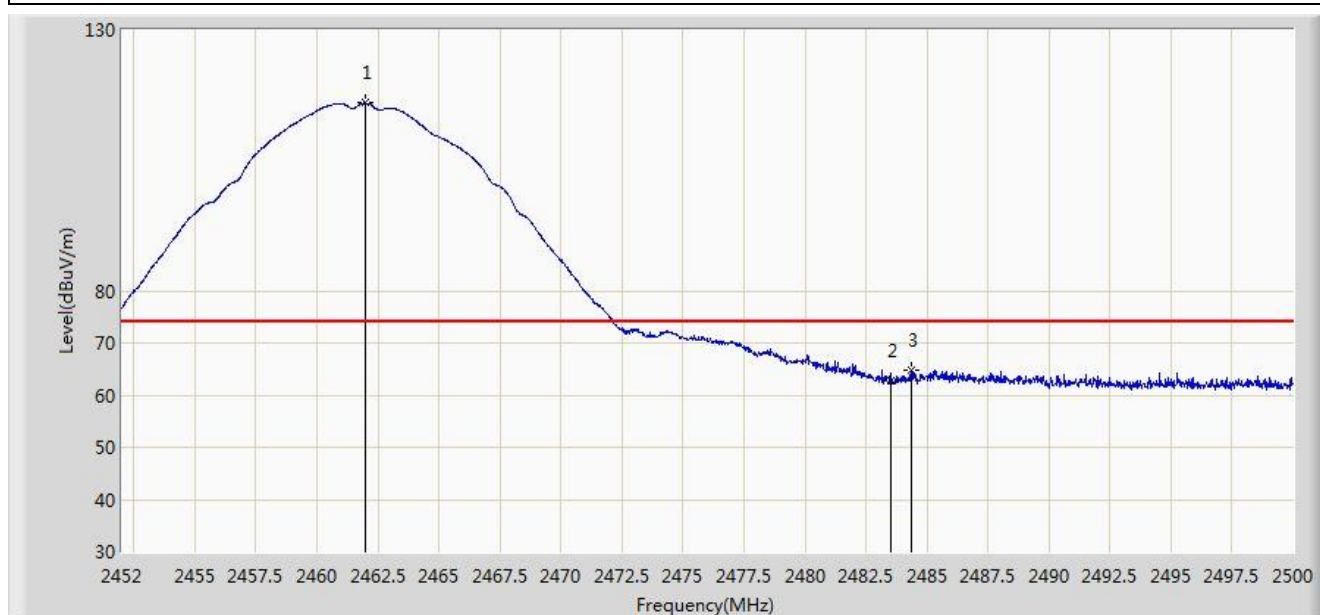


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	106.740	74.505	N/A	N/A	32.235	AV
2			2483.500	50.313	18.032	-3.687	54.000	32.282	AV
3			2485.816	50.593	18.304	-3.407	54.000	32.289	AV

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

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

Site: AC2	Time: 2017/05/09 - 23:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz, Chain 0 + 1 + 2	

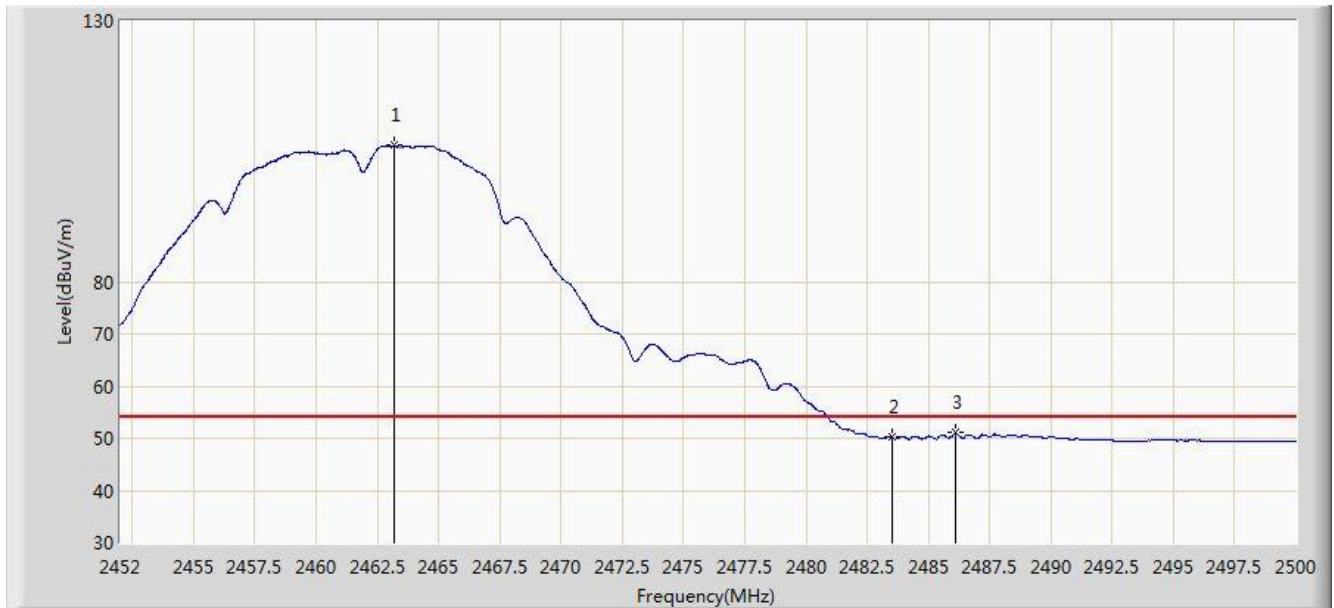


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.984	115.969	83.731	N/A	N/A	32.238	PK
2			2483.500	62.769	30.488	-11.231	74.000	32.282	PK
3			2484.352	64.821	32.537	-9.179	74.000	32.284	PK

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

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

Site: AC2	Time: 2017/05/09 - 23:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz, Chain 0 + 1 + 2	

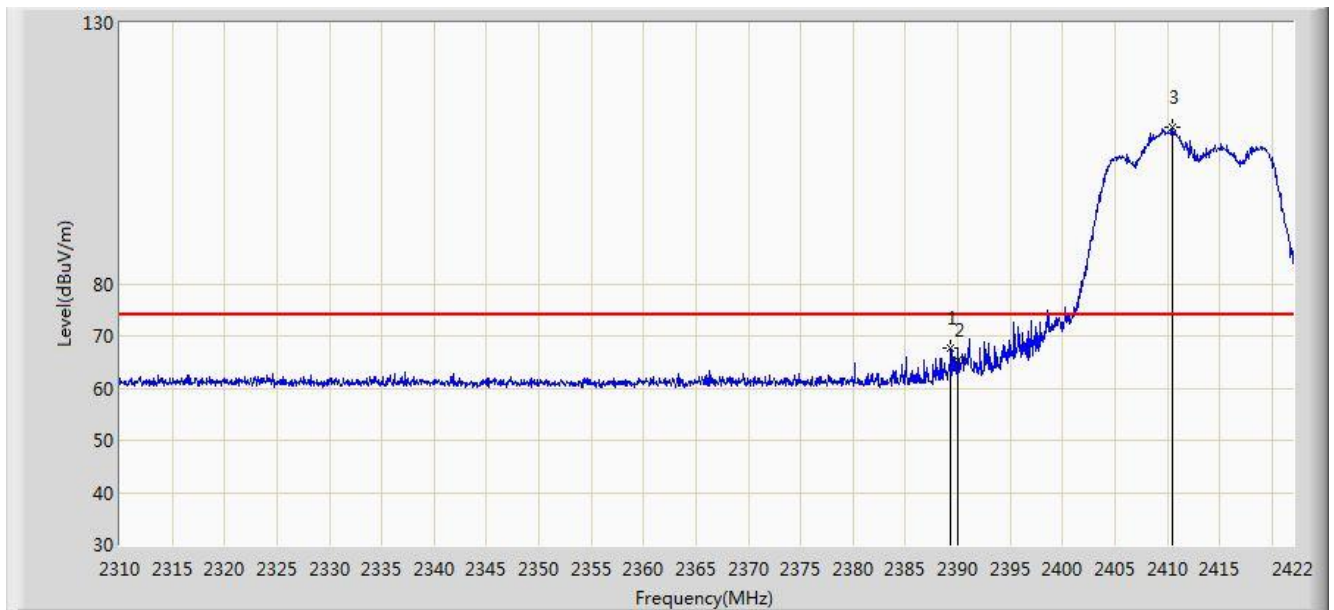


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.208	106.095	73.856	N/A	N/A	32.239	AV
2			2483.500	50.221	17.940	-3.779	54.000	32.282	AV
3			2486.128	51.015	18.725	-2.985	54.000	32.290	AV

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

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

Site: AC2	Time: 2017/05/10 - 00:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz, Chain 0 + 1 + 2	

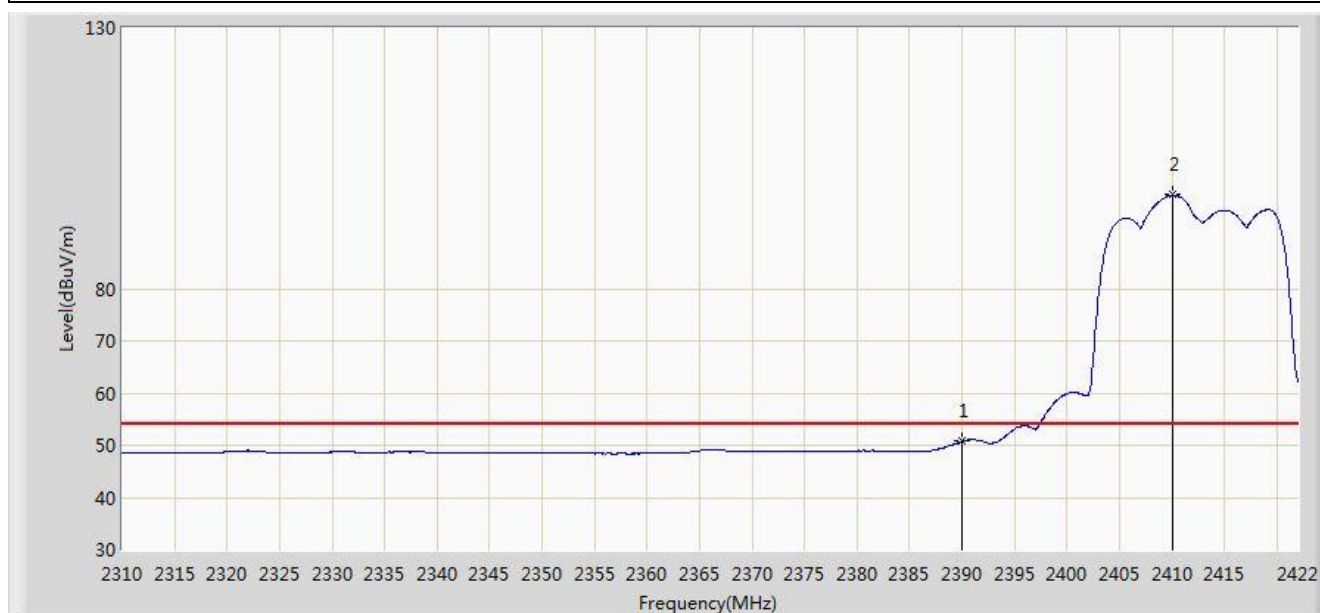


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.352	67.641	35.367	-6.359	74.000	32.274	PK
2			2390.000	65.377	33.099	-8.623	74.000	32.278	PK
3		*	2410.520	109.934	77.689	N/A	N/A	32.245	PK

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

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

Site: AC2	Time: 2017/05/10 - 00:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz, Chain 0 + 1 + 2	

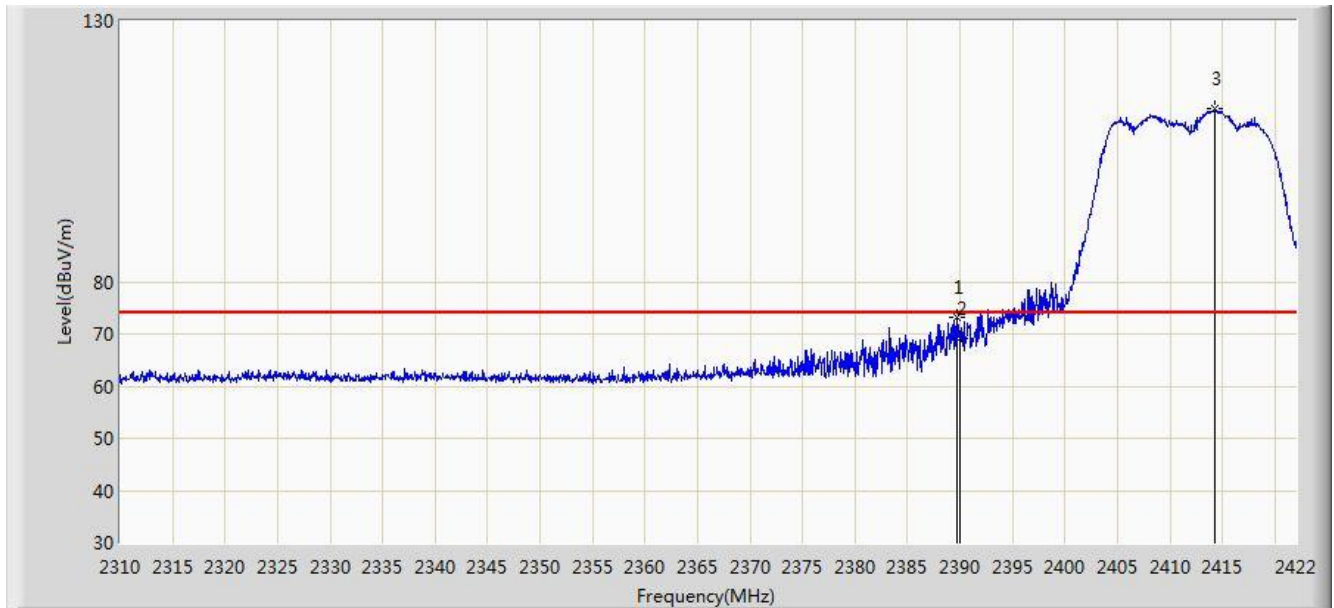


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.787	18.509	-3.213	54.000	32.278	AV
2		*	2410.072	97.978	65.731	N/A	N/A	32.247	AV

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

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

Site: AC2	Time: 2017/05/10 - 00:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz, Chain 0 + 1 + 2	

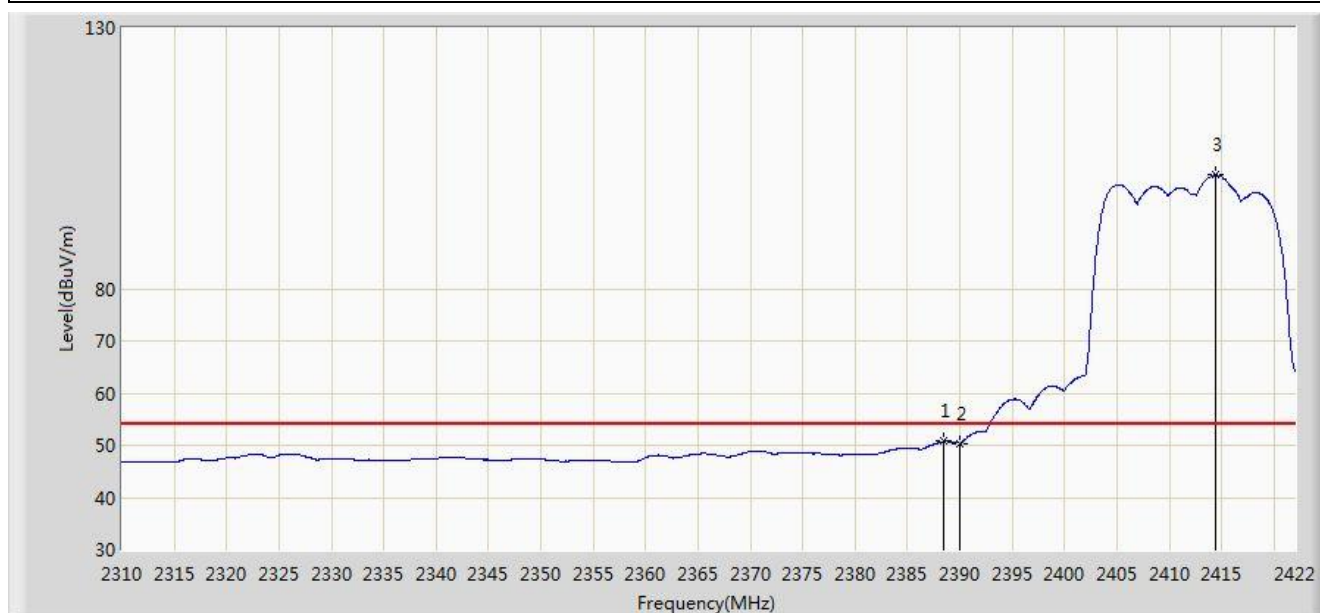


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.688	73.059	40.783	-0.941	74.000	32.277	PK
2			2390.000	69.034	36.756	-4.966	74.000	32.278	PK
3		*	2414.216	113.164	80.933	N/A	N/A	32.231	PK

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

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

Site: AC2	Time: 2017/05/10 - 00:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz, Chain 0 + 1 + 2	

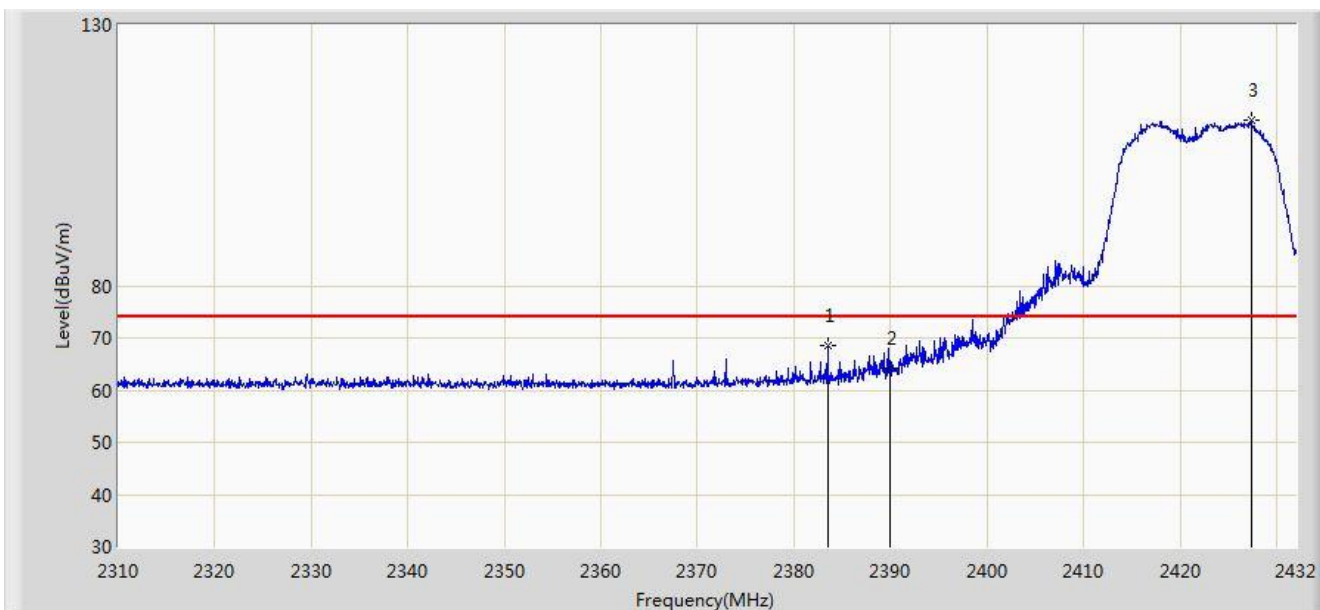


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.400	50.729	18.460	-3.271	54.000	32.269	AV
2			2390.000	50.410	18.132	-3.590	54.000	32.278	AV
3		*	2414.384	101.785	69.555	N/A	N/A	32.230	AV

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

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

Site: AC2	Time: 2017/05/10 - 00:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2422MHz, Chain 0 + 1 + 2	

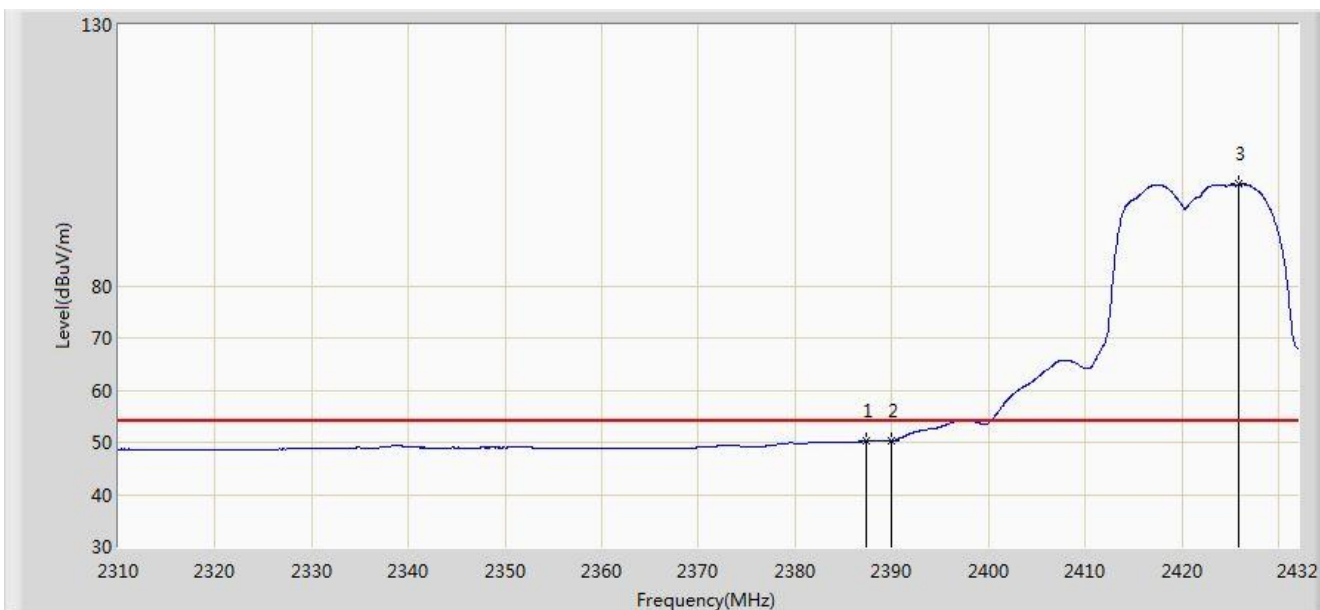


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.505	68.564	36.322	-5.436	74.000	32.242	PK
2			2390.000	64.270	31.992	-9.730	74.000	32.278	PK
3		*	2427.364	111.649	79.473	N/A	N/A	32.175	PK

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

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

Site: AC2	Time: 2017/05/10 - 00:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2422MHz, Chain 0 + 1 + 2	

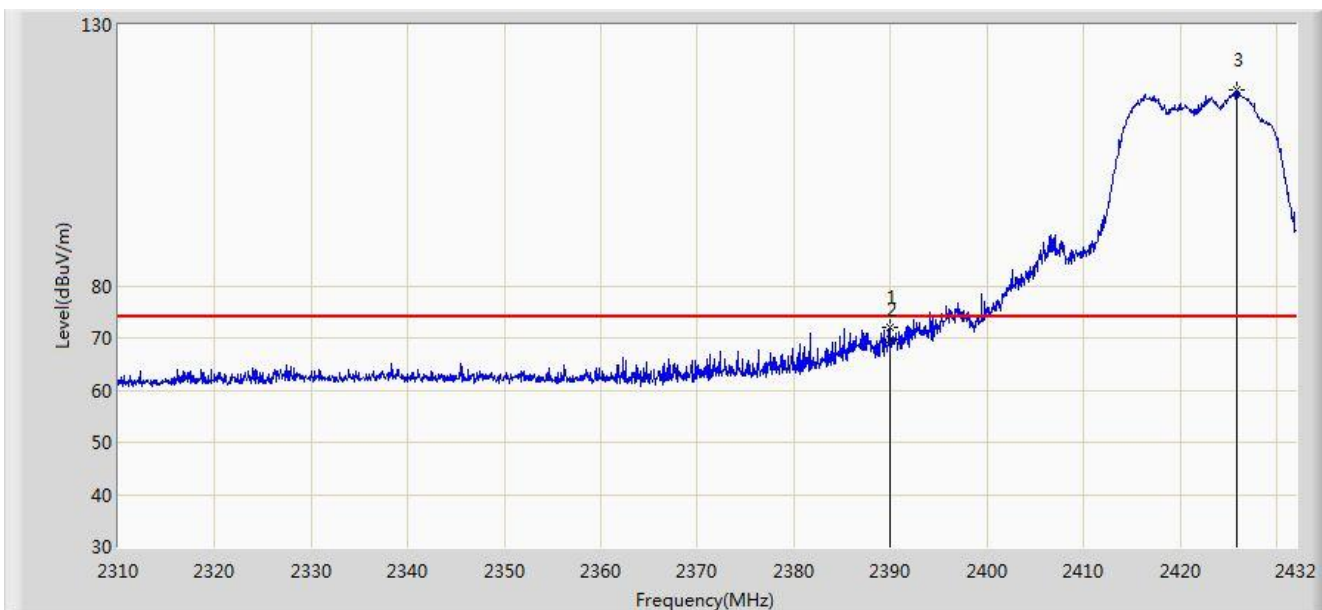


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.348	50.260	17.997	-3.740	54.000	32.264	AV
2			2390.000	50.246	17.968	-3.754	54.000	32.278	AV
3		*	2425.961	99.462	67.280	N/A	N/A	32.182	AV

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

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

Site: AC2	Time: 2017/05/10 - 00:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2422MHz, Chain 0 + 1 + 2	

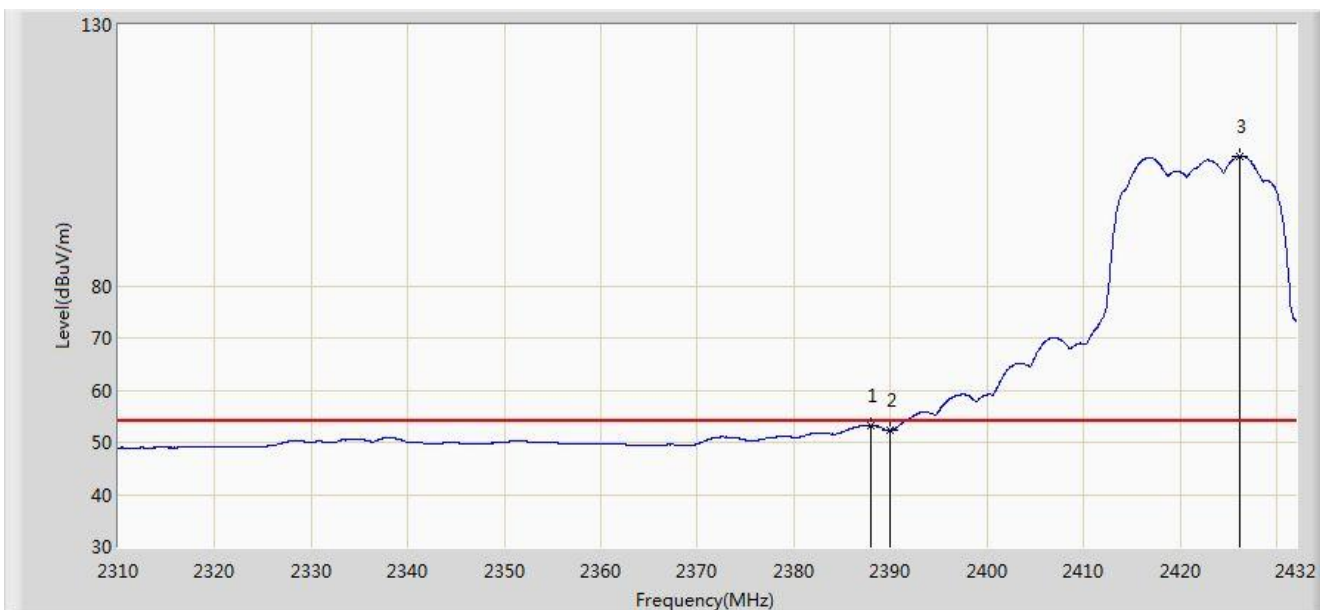


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.971	72.091	39.813	-1.909	74.000	32.278	PK
2			2390.000	69.842	37.564	-4.158	74.000	32.278	PK
3		*	2425.961	117.460	85.278	N/A	N/A	32.182	PK

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

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

Site: AC2	Time: 2017/05/10 - 00:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2422MHz, Chain 0 + 1 + 2	

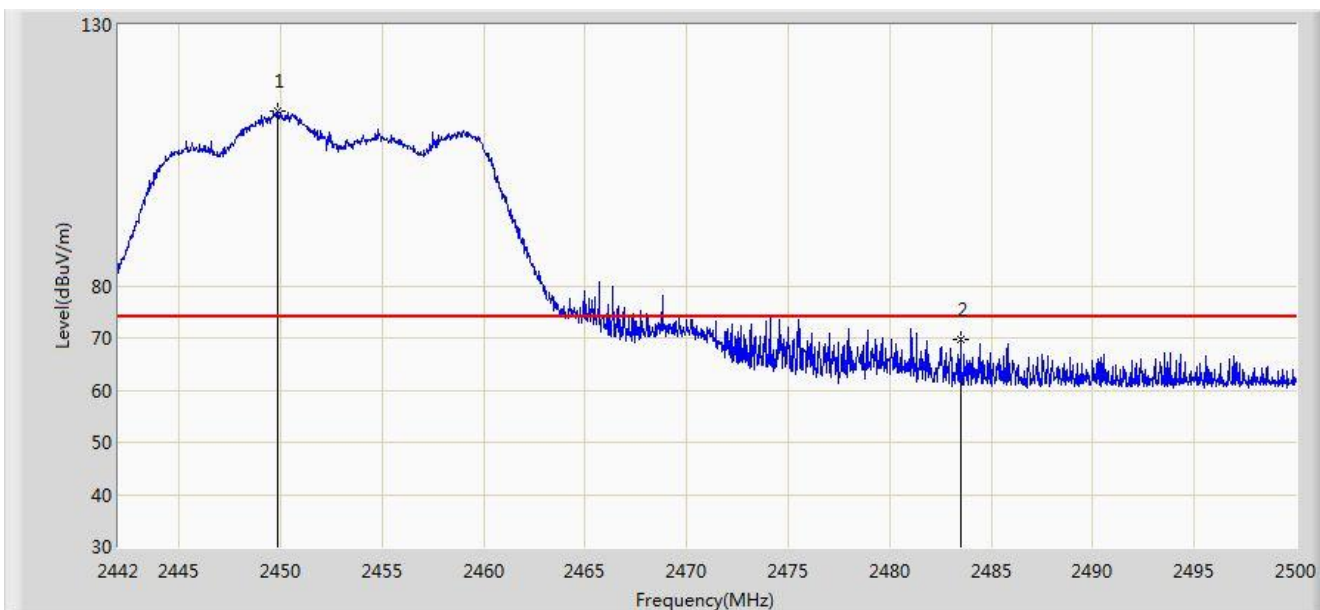


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.958	53.268	21.001	-0.732	54.000	32.267	AV
2			2390.000	52.252	19.974	-1.748	54.000	32.278	AV
3		*	2426.266	104.868	72.688	N/A	N/A	32.180	AV

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

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

Site: AC2	Time: 2017/05/10 - 00:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2452MHz, Chain 0 + 1 + 2	

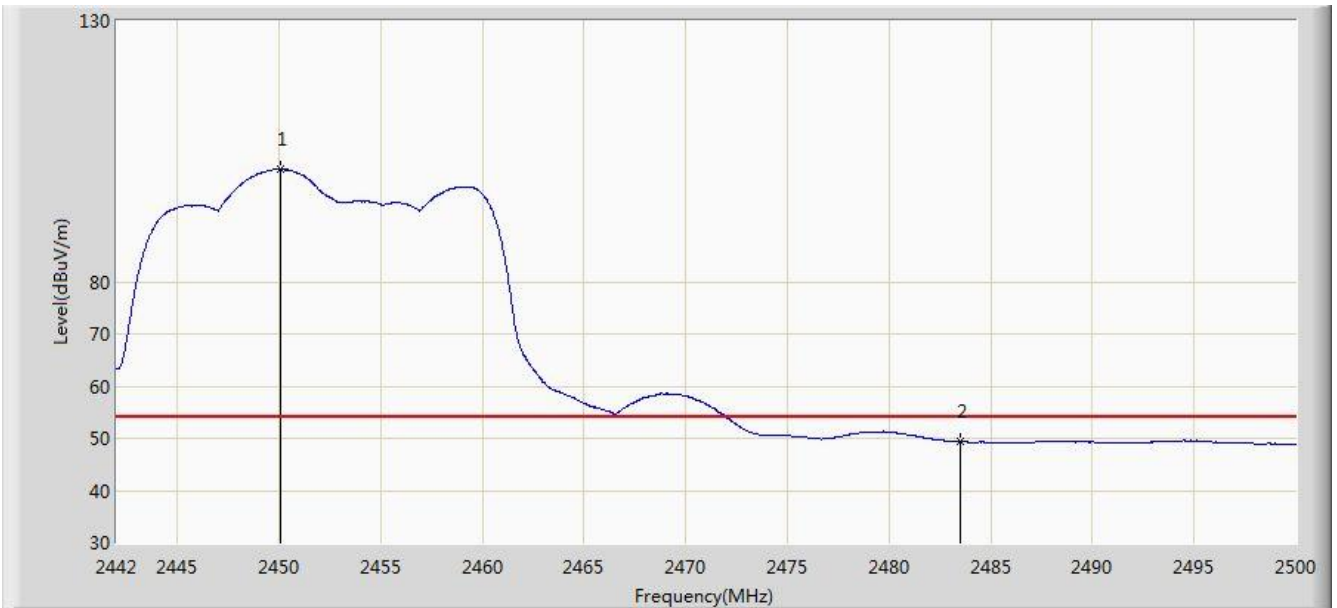


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.830	113.487	81.301	N/A	N/A	32.186	PK
2			2483.500	69.835	37.554	-4.165	74.000	32.282	PK

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

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

Site: AC2	Time: 2017/05/10 - 00:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2452MHz, Chain 0 + 1 + 2	

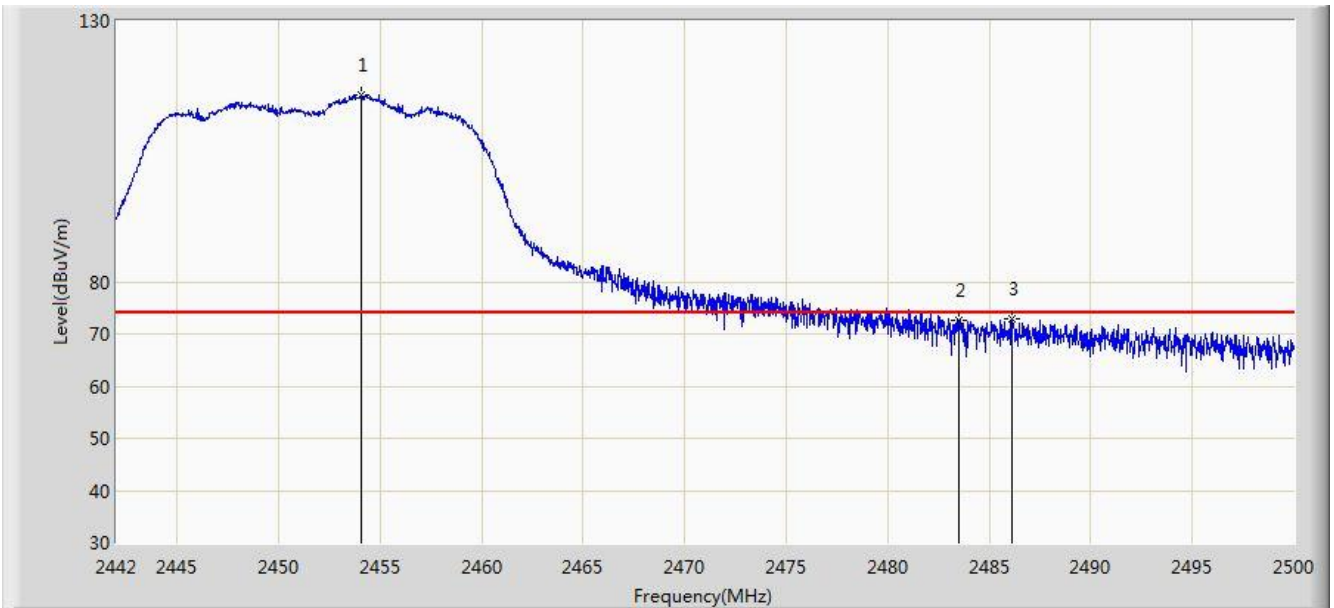


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.062	101.564	69.377	N/A	N/A	32.187	AV
2			2483.500	49.326	17.045	-4.674	54.000	32.282	AV

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

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

Site: AC2	Time: 2017/05/10 - 00:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2452MHz, Chain 0 + 1 + 2	

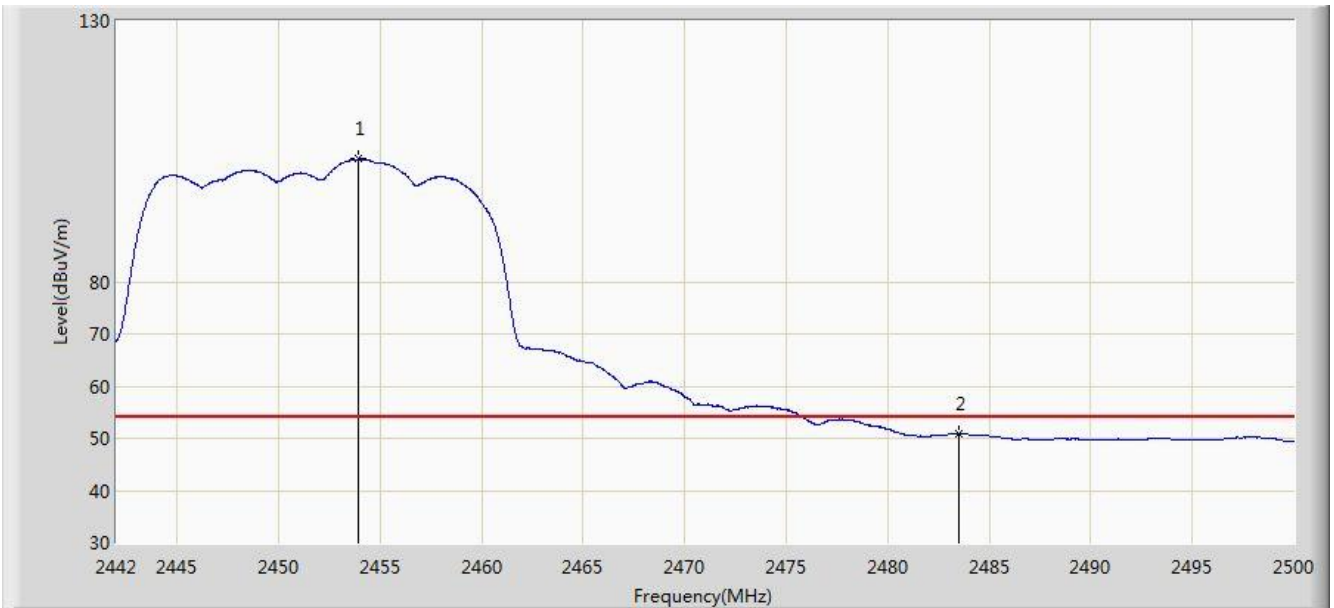


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2454.035	115.798	83.594	N/A	N/A	32.204	PK
2			2483.500	72.601	40.320	-1.399	74.000	32.282	PK
3			2486.138	72.843	40.553	-1.157	74.000	32.290	PK

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

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

Site: AC2	Time: 2017/05/10 - 00:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2452MHz, Chain 0 + 1 + 2	

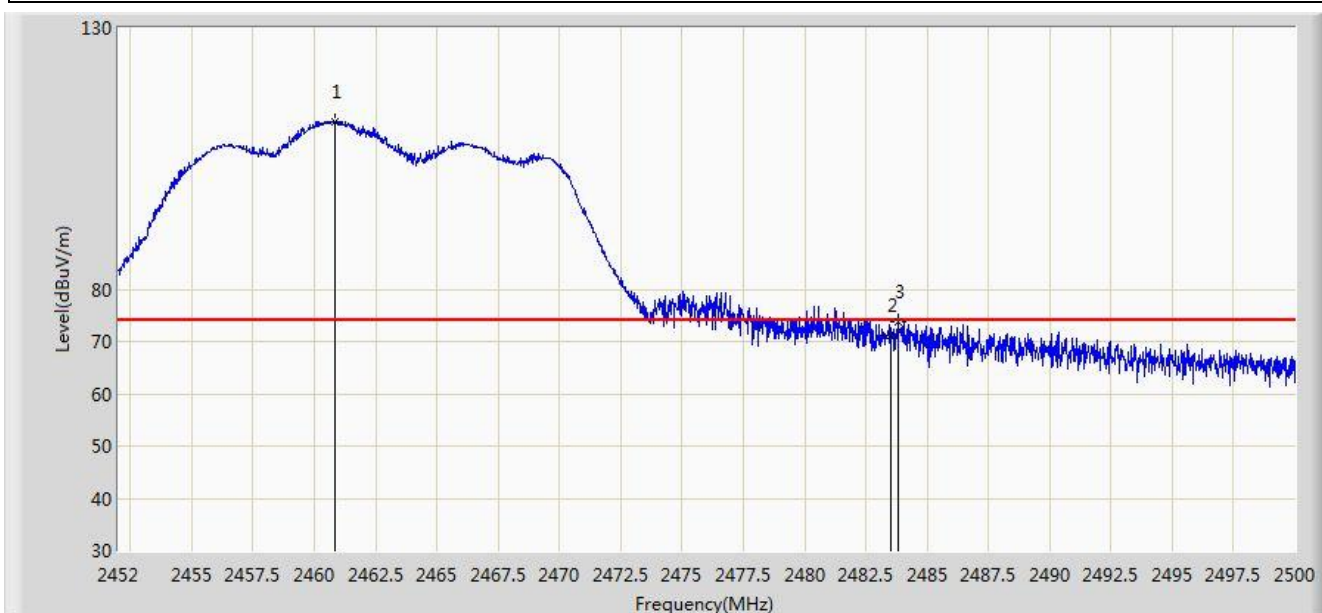


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.948	103.497	71.293	N/A	N/A	32.204	AV
2			2483.500	50.793	18.512	-3.207	54.000	32.282	AV

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

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

Site: AC1	Time: 2017/06/08 - 03:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz, Chain 0 + 1 + 2	

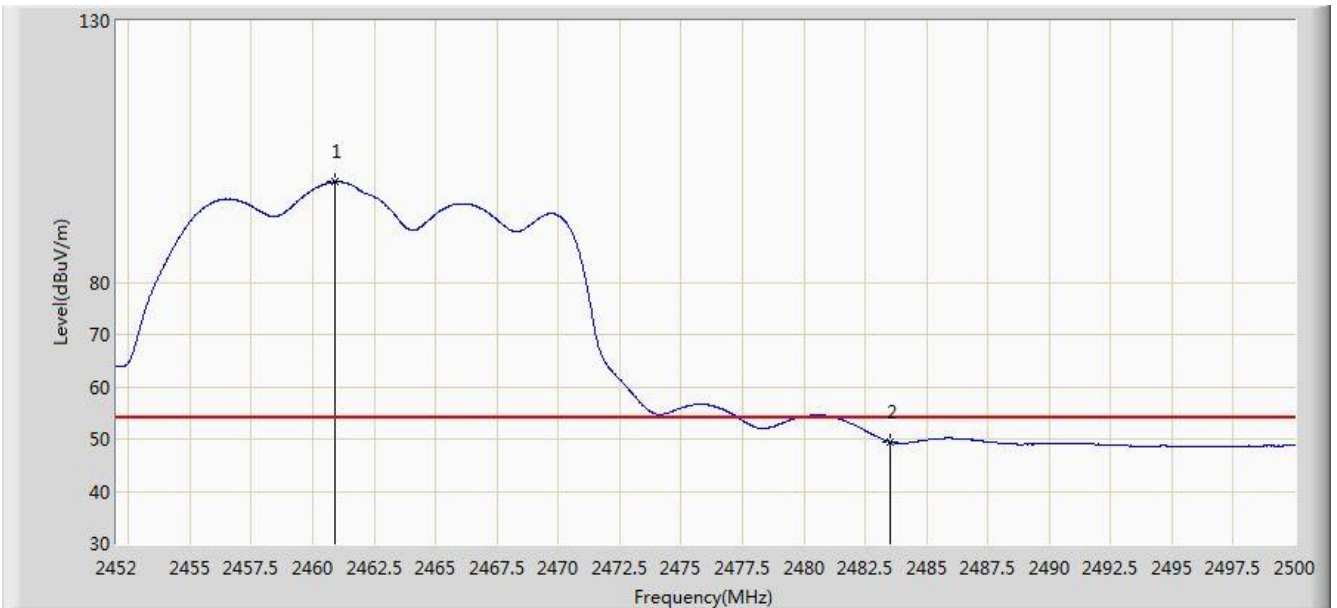


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.856	112.153	81.020	N/A	N/A	31.133	PK
2			2483.500	71.158	39.965	-2.842	74.000	31.194	PK
3			2483.824	73.648	42.454	-0.352	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/06/08 - 03:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz, Chain 0 + 1 + 2	

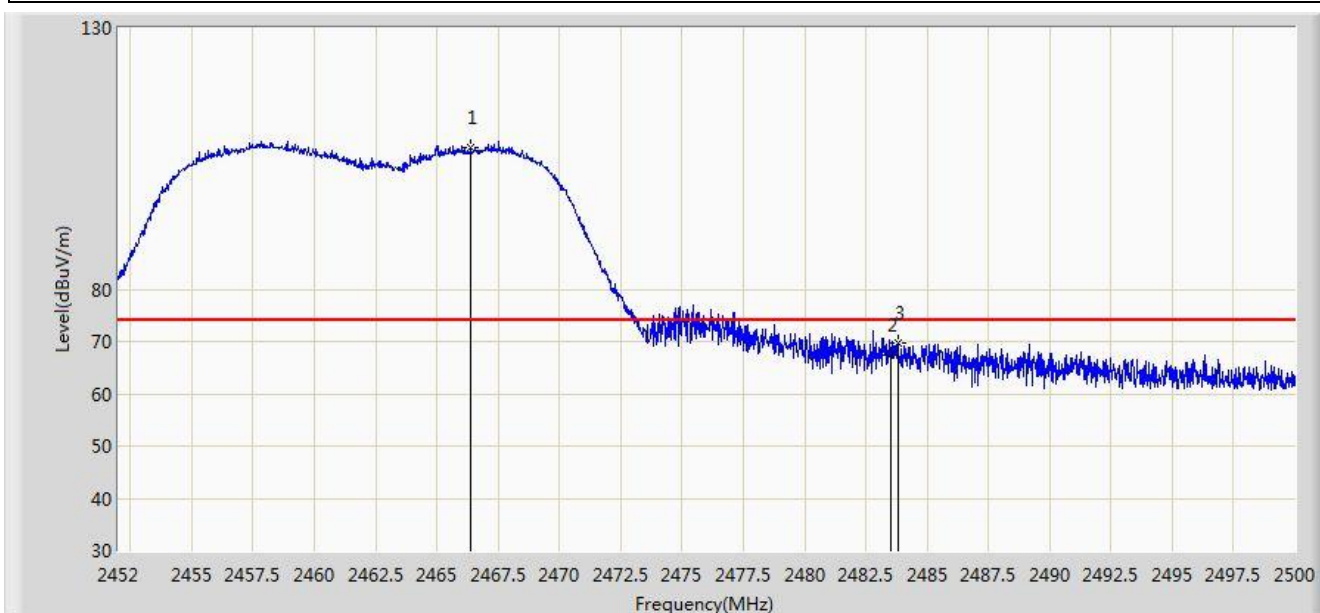


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.928	99.189	68.056	N/A	N/A	31.133	AV
2			2483.500	49.462	18.269	-4.538	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/06/08 - 03:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz, Chain 0 + 1 + 2	

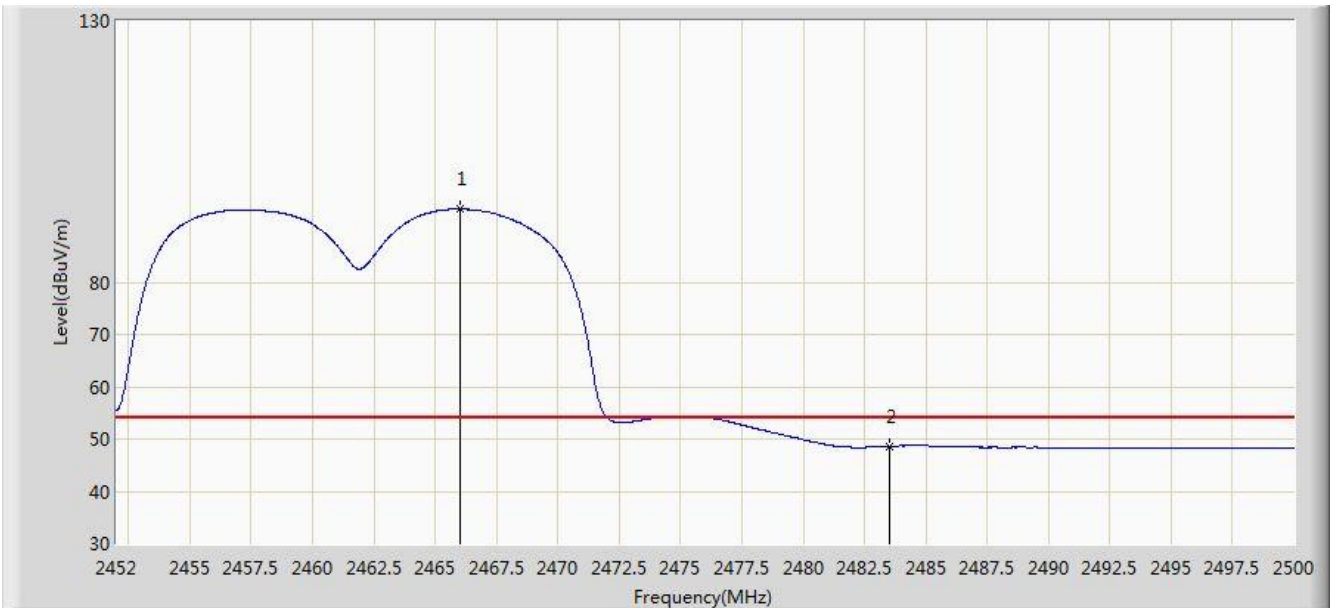


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2466.400	107.243	76.097	N/A	N/A	31.146	PK
2			2483.500	67.493	36.300	-6.507	74.000	31.194	PK
3			2483.824	69.803	38.609	-4.197	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/06/08 - 03:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz, Chain 0 + 1 + 2	

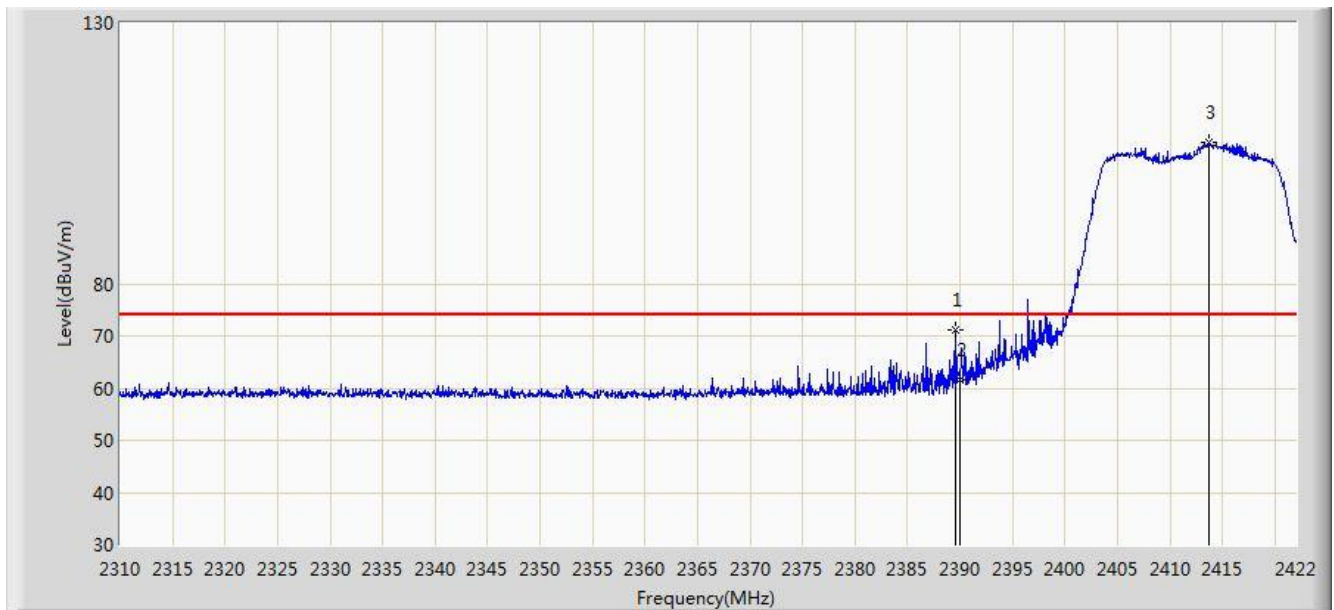


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2466.016	93.979	62.834	N/A	N/A	31.145	AV
2			2483.500	48.613	17.420	-5.387	54.000	31.194	AV

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

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

Site: AC2	Time: 2017/05/10 - 01:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz, Chain 0 + 1 + 2	

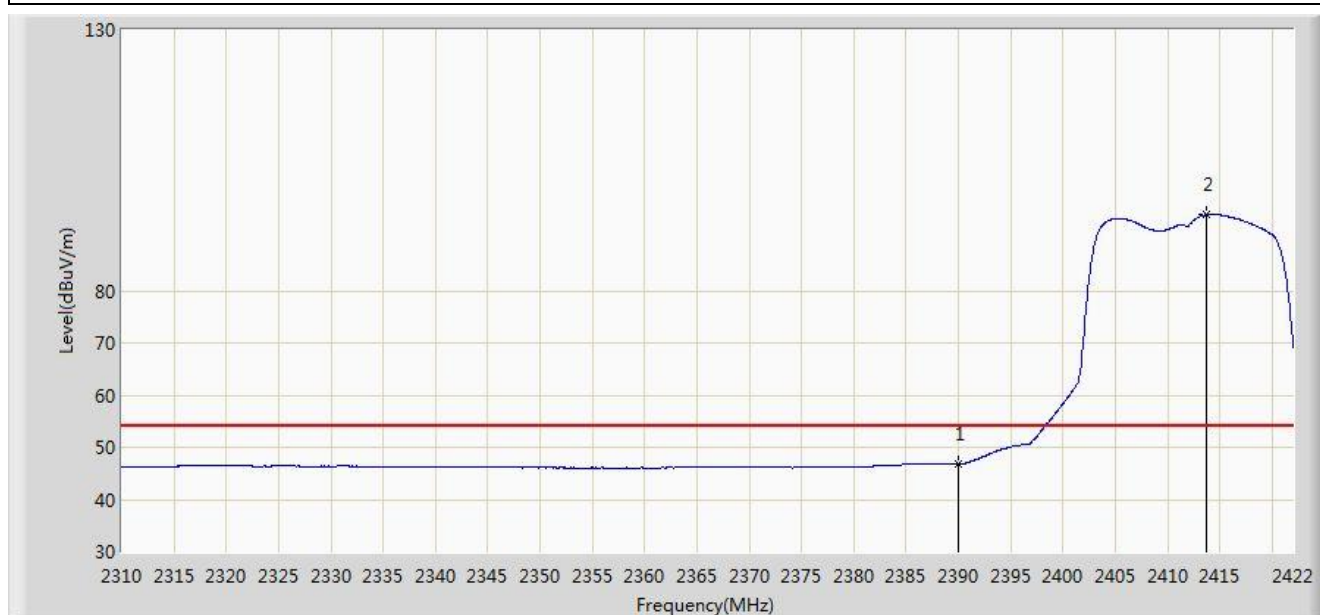


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.632	71.219	38.943	-2.781	74.000	32.276	PK
2			2390.000	61.605	29.327	-12.395	74.000	32.278	PK
3		*	2413.768	107.219	74.987	N/A	N/A	32.233	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz, Chain 0 + 1 + 2	

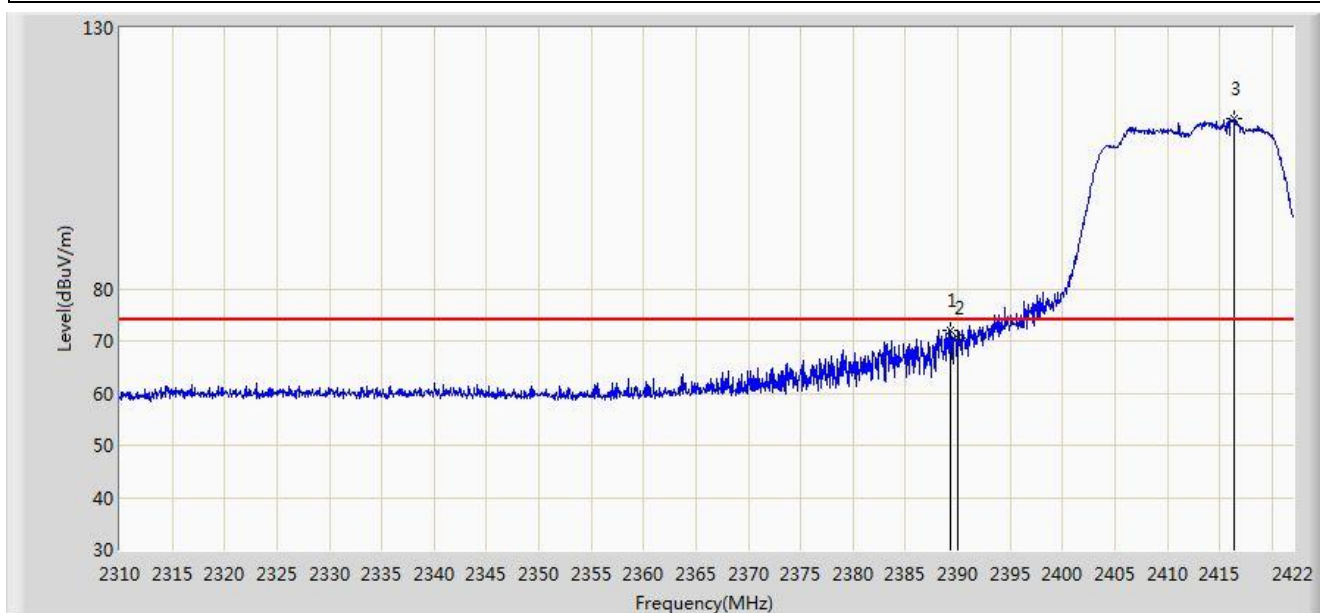


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.878	14.600	-7.122	54.000	32.278	AV
2		*	2413.768	94.512	62.280	N/A	N/A	32.233	AV

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

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

Site: AC2	Time: 2017/05/10 - 01:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz, Chain 0 + 1 + 2	

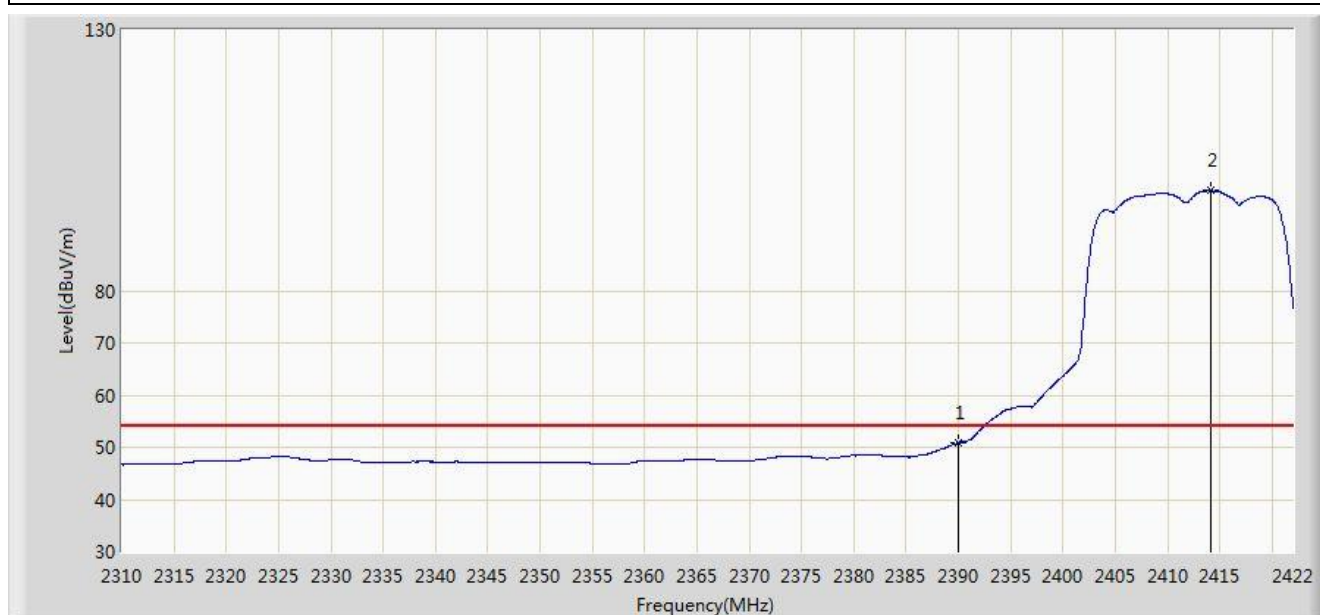


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.296	71.959	39.685	-2.041	74.000	32.275	PK
2			2390.000	70.467	38.189	-3.533	74.000	32.278	PK
3		*	2416.344	112.522	80.300	N/A	N/A	32.222	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz, Chain 0 + 1 + 2	

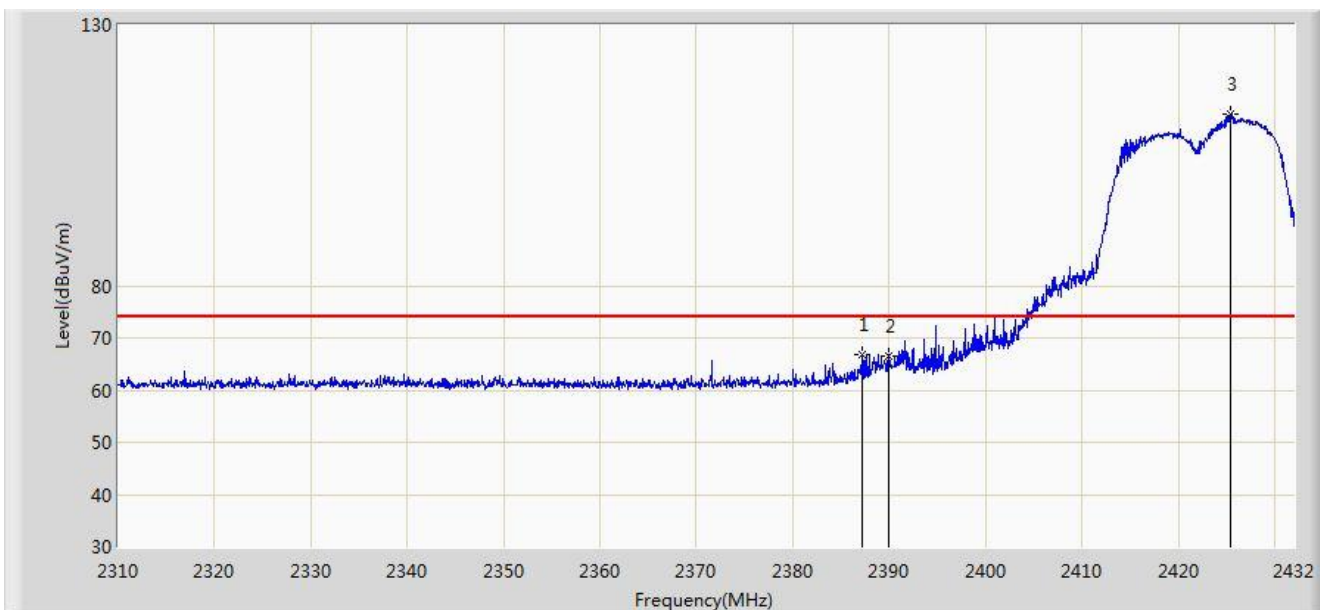


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.892	18.614	-3.108	54.000	32.278	AV
2		*	2414.104	99.181	66.950	N/A	N/A	32.231	AV

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

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

Site: AC2	Time: 2017/05/10 - 01:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2422MHz, Chain 0 + 1 + 2	

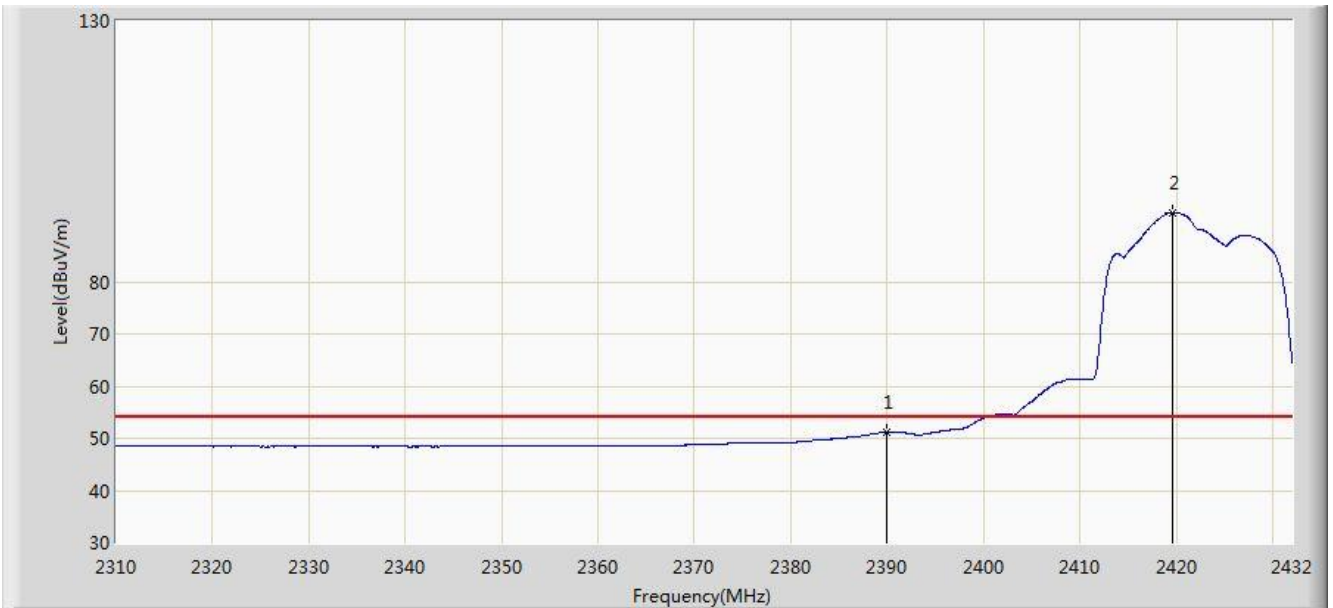


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.226	66.937	34.674	-7.063	74.000	32.263	PK
2			2390.000	66.638	34.360	-7.362	74.000	32.278	PK
3		*	2425.351	113.027	80.843	N/A	N/A	32.184	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2422MHz, Chain 0 + 1 + 2	

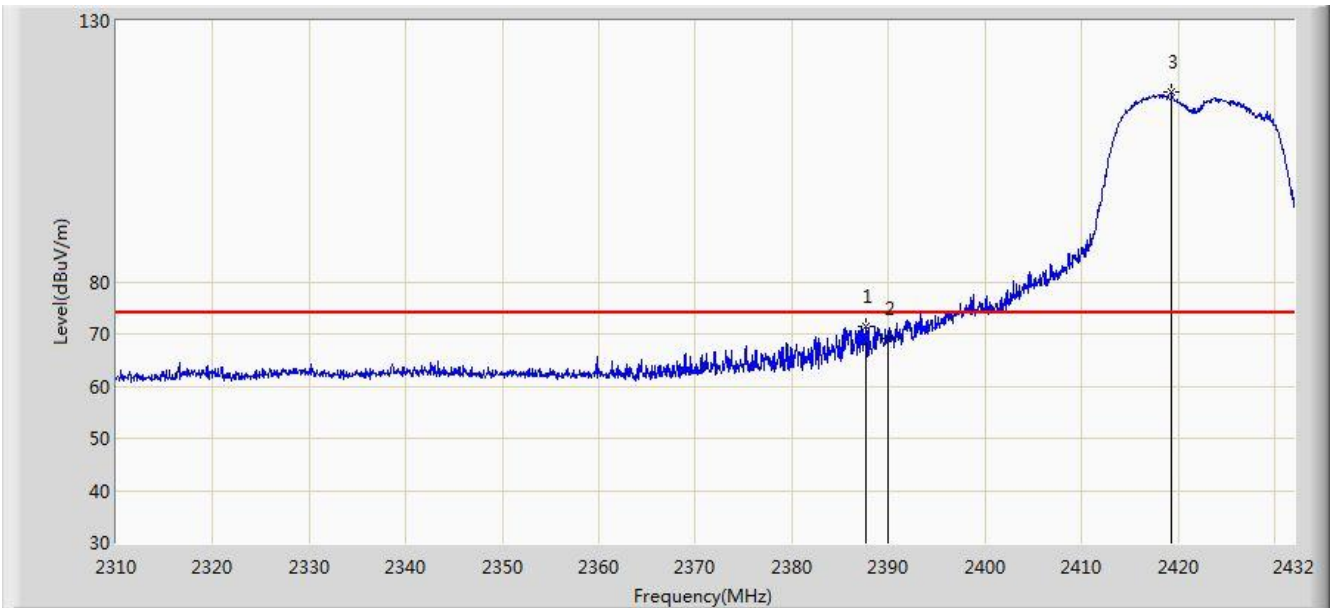


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.125	18.847	-2.875	54.000	32.278	AV
2		*	2419.556	93.246	61.038	N/A	N/A	32.208	AV

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

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

Site: AC2	Time: 2017/05/10 - 01:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2422MHz, Chain 0 + 1 + 2	

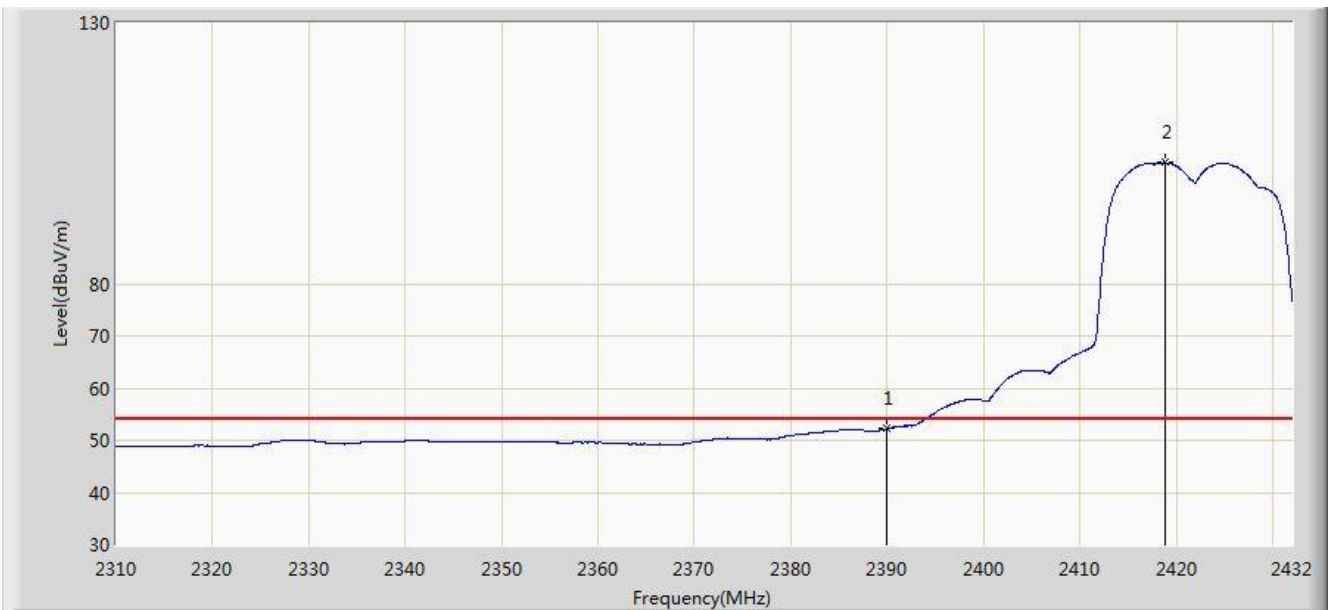


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.592	71.488	39.223	-2.512	74.000	32.265	PK
2			2390.000	69.029	36.751	-4.971	74.000	32.278	PK
3		*	2419.373	116.394	84.185	N/A	N/A	32.209	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2422MHz, Chain 0 + 1 + 2	

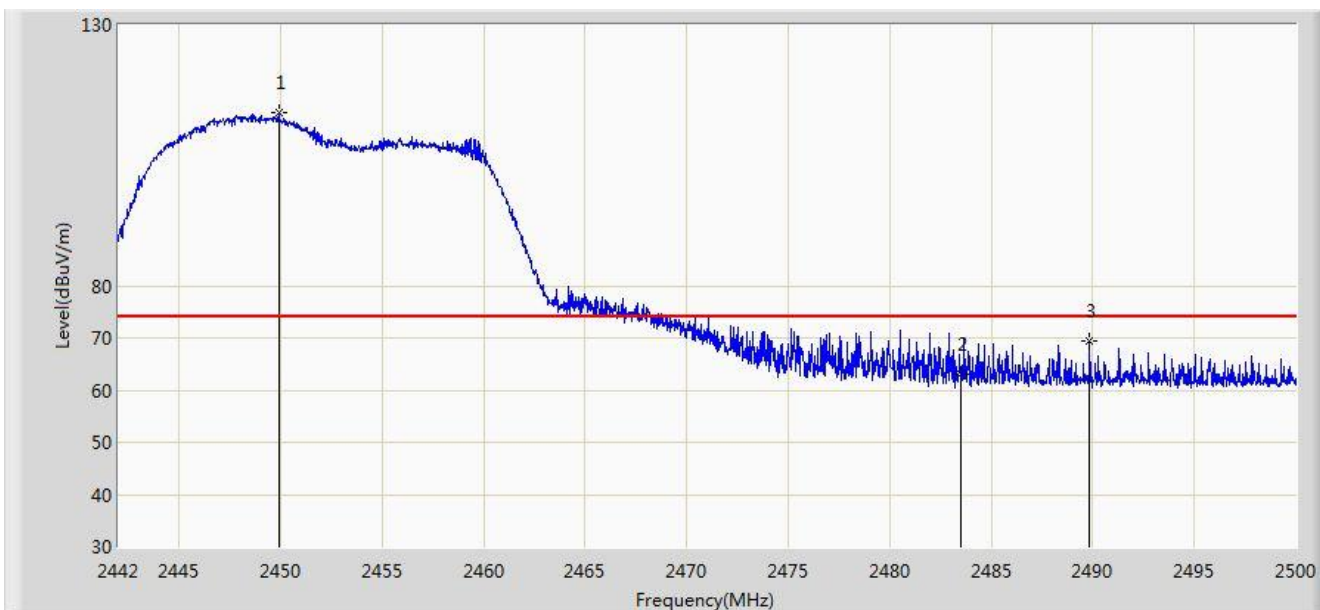


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.231	19.953	-1.769	54.000	32.278	AV
2		*	2418.824	103.194	70.983	N/A	N/A	32.212	AV

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

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

Site: AC2	Time: 2017/05/10 - 01:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2452MHz, Chain 0 + 1 + 2	

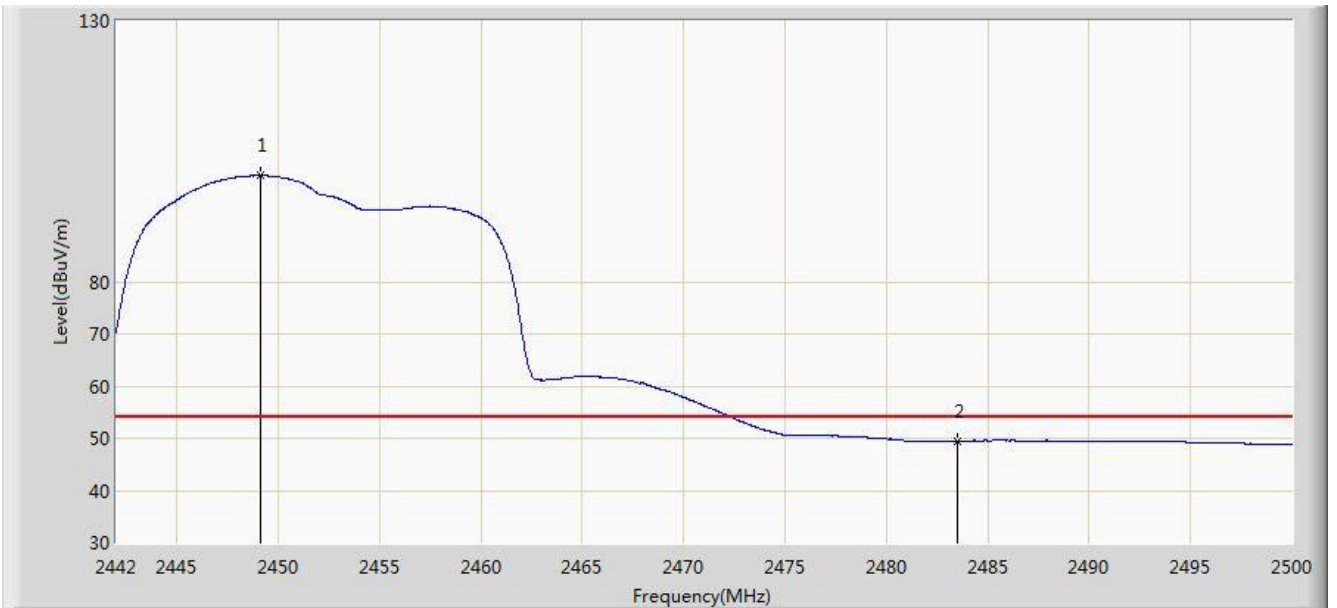


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.917	113.182	80.996	N/A	N/A	32.186	PK
2			2483.500	63.119	30.838	-10.881	74.000	32.282	PK
3			2489.850	69.363	37.060	-4.637	74.000	32.303	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2452MHz, Chain 0 + 1 + 2	

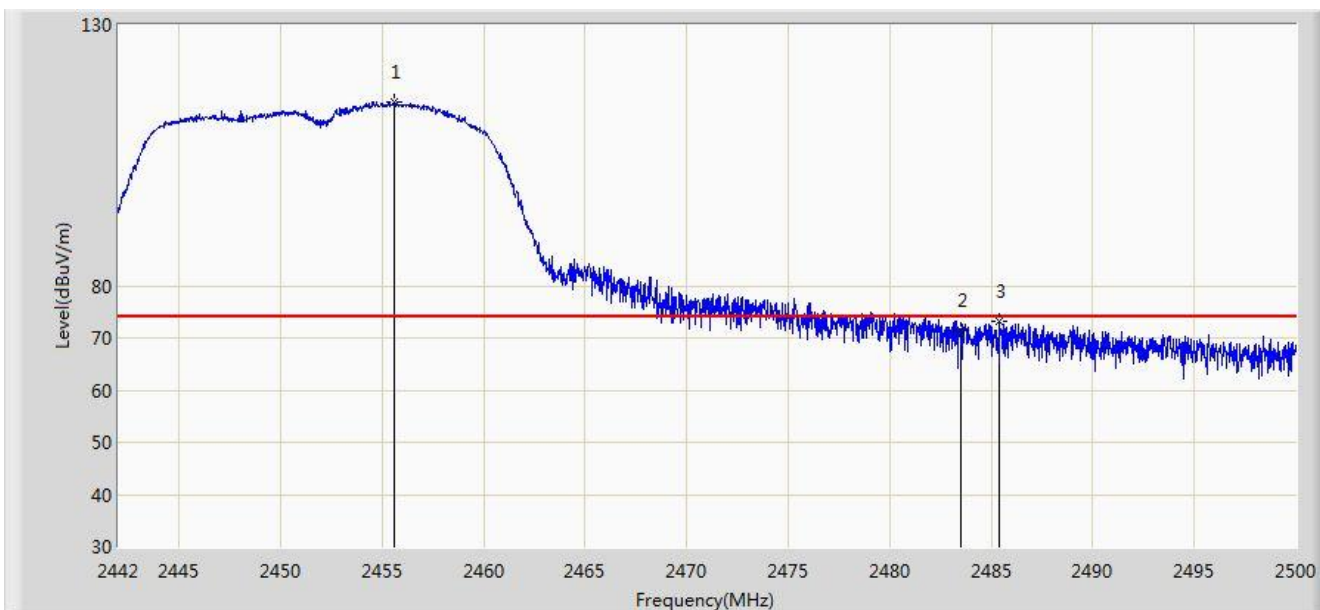


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.134	100.343	68.160	N/A	N/A	32.183	AV
2			2483.500	49.412	17.131	-4.588	54.000	32.282	AV

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

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

Site: AC2	Time: 2017/05/10 - 01:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2452MHz, Chain 0 + 1 + 2	

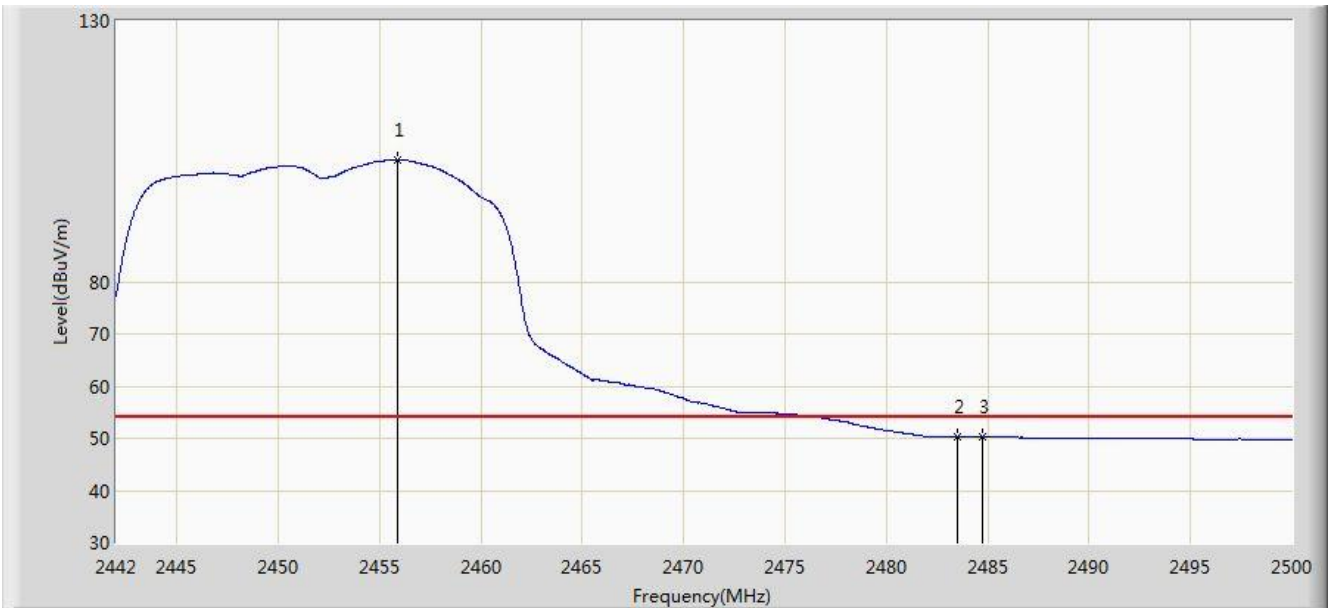


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.601	115.343	83.132	N/A	N/A	32.211	PK
2			2483.500	71.498	39.217	-2.502	74.000	32.282	PK
3			2485.413	73.067	40.779	-0.933	74.000	32.288	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2452MHz, Chain 0 + 1 + 2	

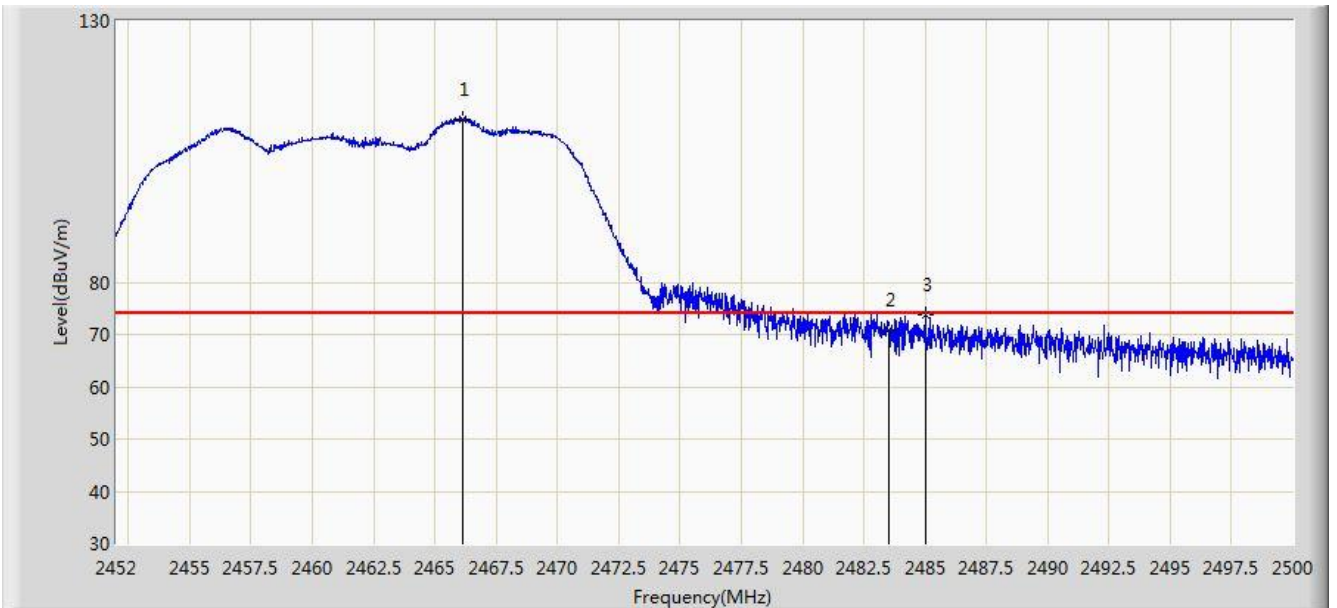


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.862	103.268	71.056	N/A	N/A	32.212	AV
2			2483.500	50.345	18.064	-3.655	54.000	32.282	AV
3			2484.717	50.385	18.100	-3.615	54.000	32.286	AV

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

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

Site: AC1	Time: 2017/06/08 - 04:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz, Chain 0 + 1 + 2	

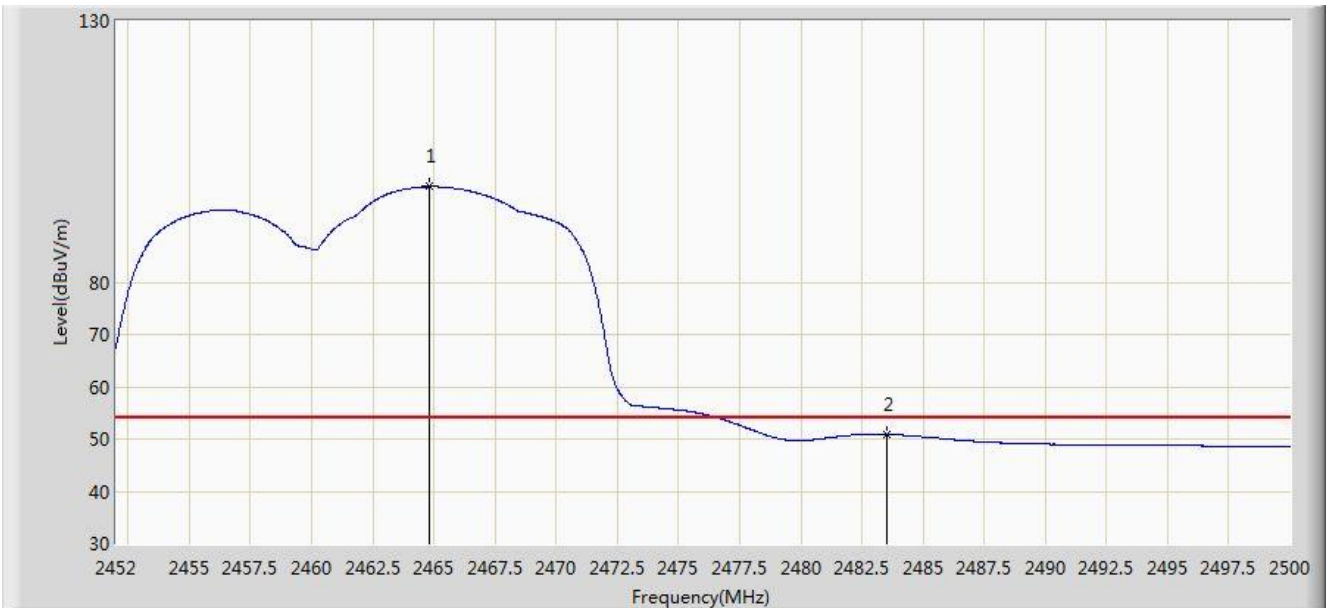


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2466.136	111.259	80.114	N/A	N/A	31.145	PK
2			2483.500	70.832	39.639	-3.168	74.000	31.194	PK
3			2485.024	73.847	42.650	-0.153	74.000	31.197	PK

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

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

Site: AC1	Time: 2017/06/08 - 04:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz, Chain 0 + 1 + 2	

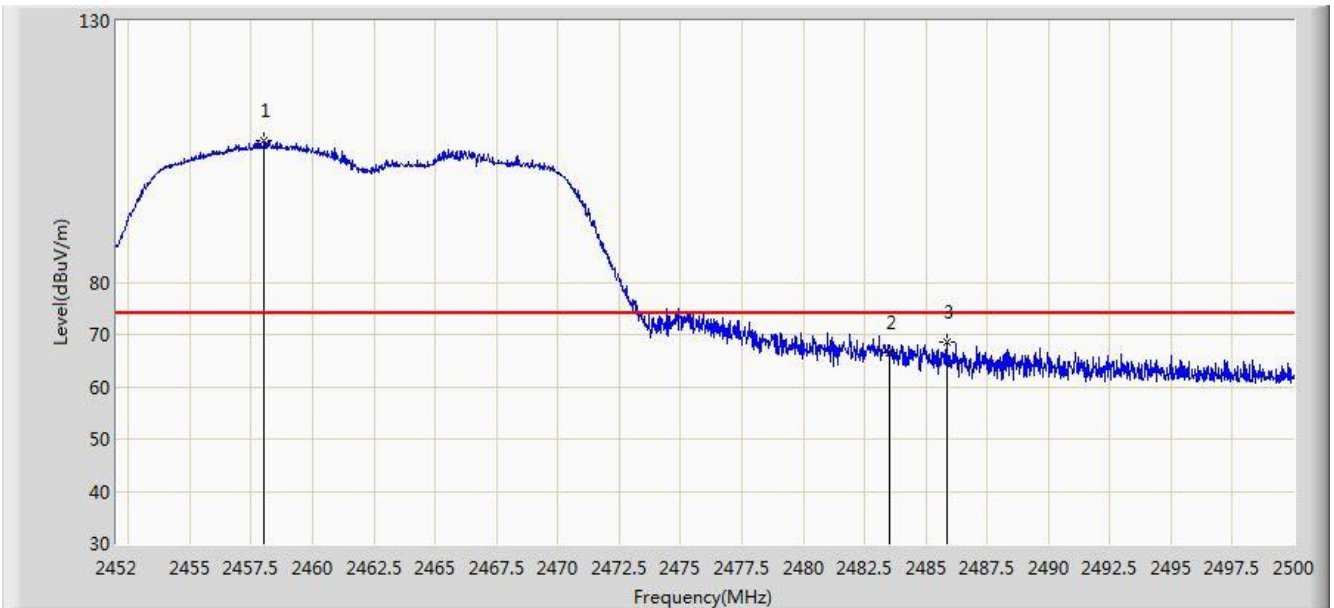


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.816	98.280	67.138	N/A	N/A	31.142	AV
2			2483.500	50.854	19.661	-3.146	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/06/08 - 04:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz, Chain 0 + 1 + 2	

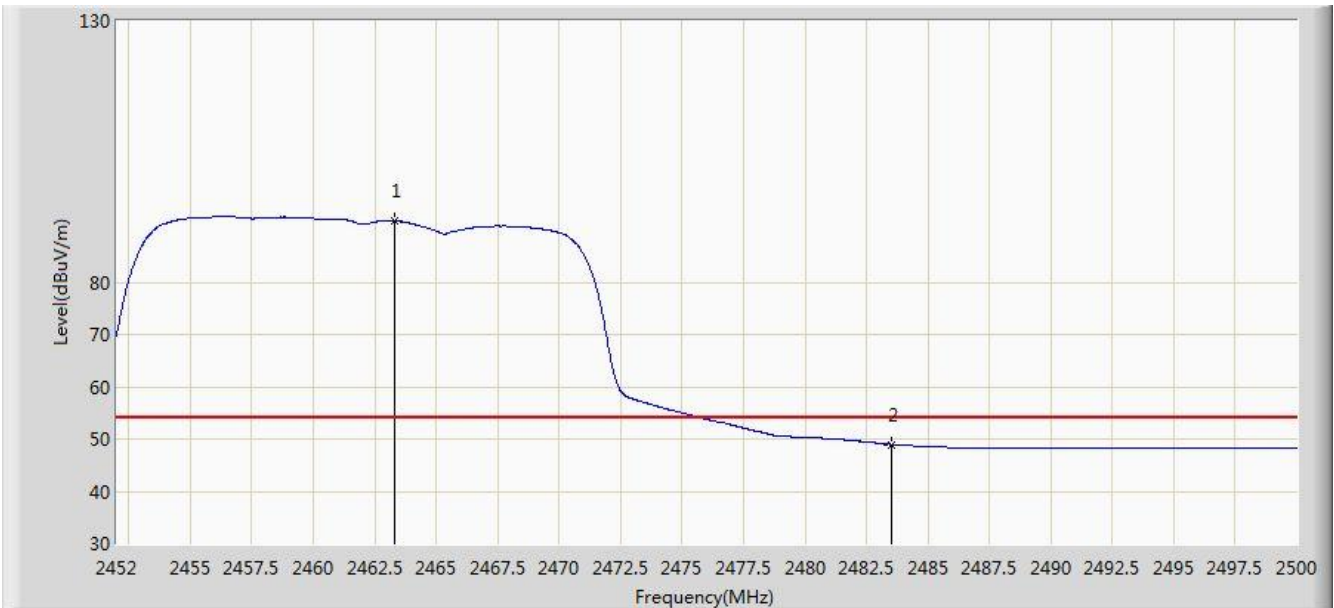


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2458.024	107.150	76.022	N/A	N/A	31.128	PK
2			2483.500	66.646	35.453	-7.354	74.000	31.194	PK
3			2485.840	68.428	37.229	-5.572	74.000	31.200	PK

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

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

Site: AC1	Time: 2017/06/08 - 04:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz, Chain 0 + 1 + 2	

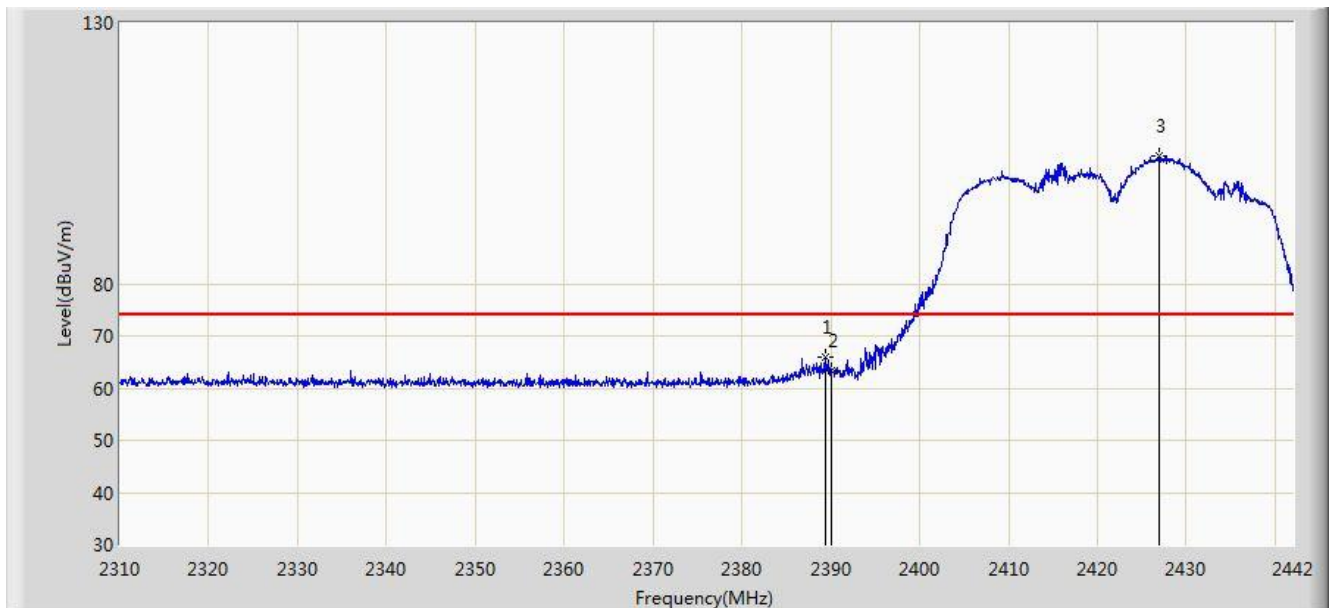


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.328	91.675	60.537	N/A	N/A	31.138	AV
2			2483.500	48.968	17.775	-5.032	54.000	31.194	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz, Chain 0 + 1 + 2	

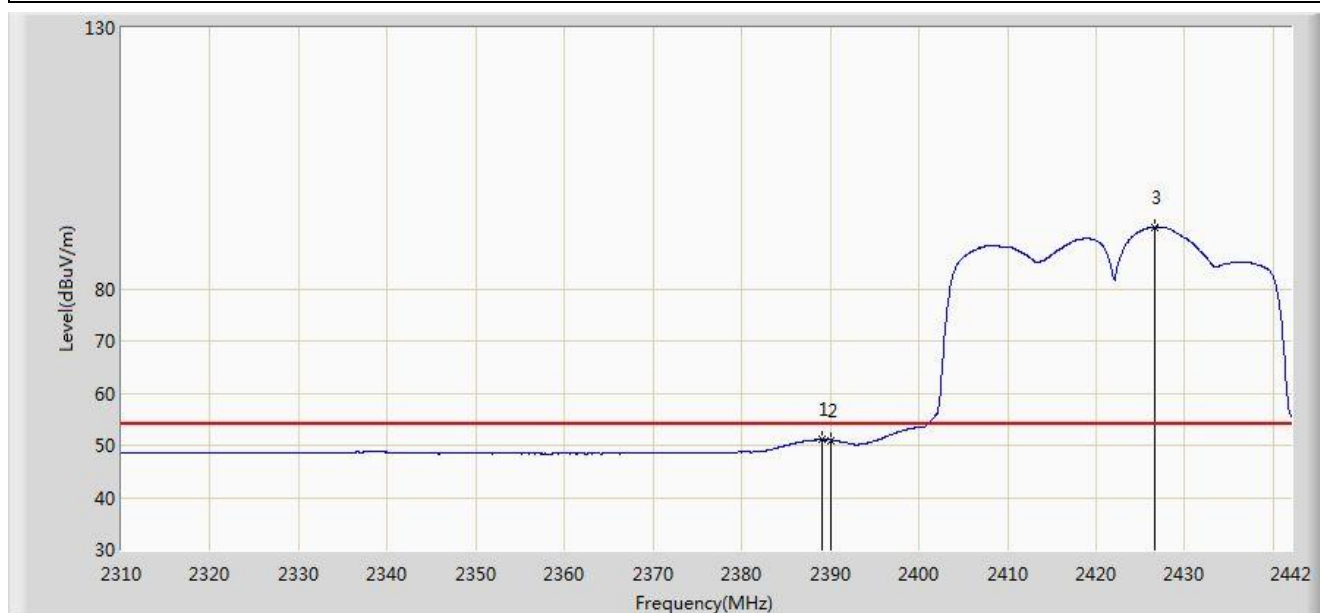


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.332	65.992	33.718	-8.008	74.000	32.275	PK
2			2390.000	63.392	31.114	-10.608	74.000	32.278	PK
3		*	2426.952	104.412	72.234	N/A	N/A	32.177	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz, Chain 0 + 1 + 2	

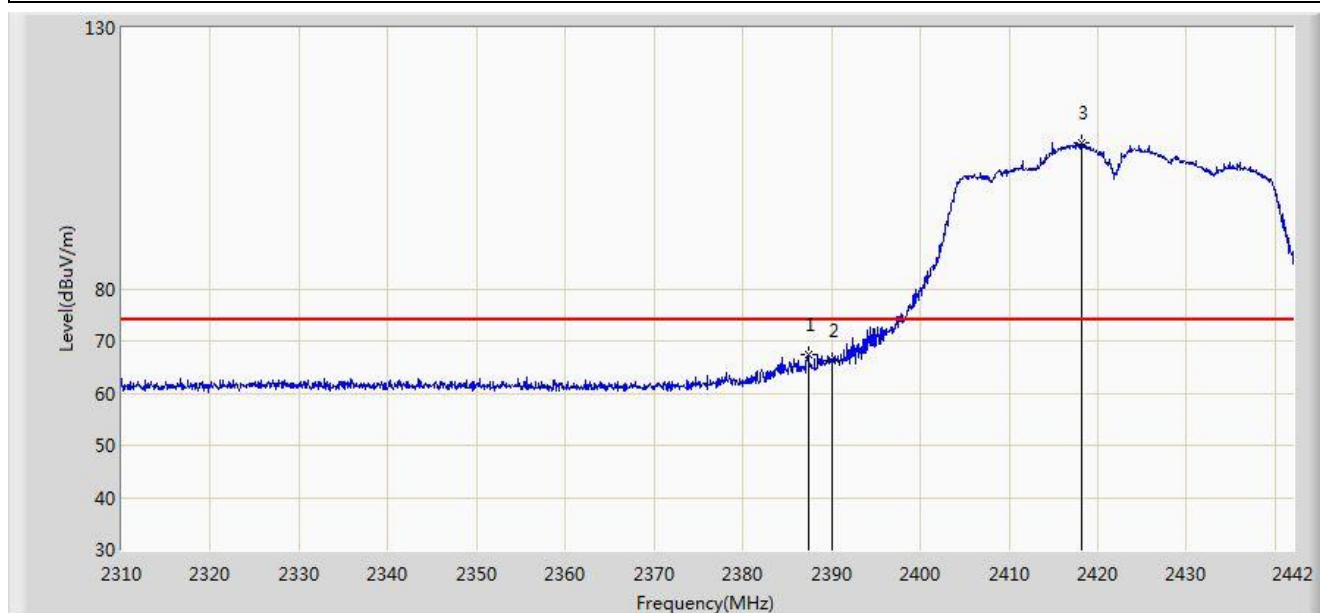


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.068	51.122	18.849	-2.878	54.000	32.273	AV
2			2390.000	51.014	18.736	-2.986	54.000	32.278	AV
3		*	2426.556	91.807	59.628	N/A	N/A	32.179	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz, Chain 0 + 1 + 2	

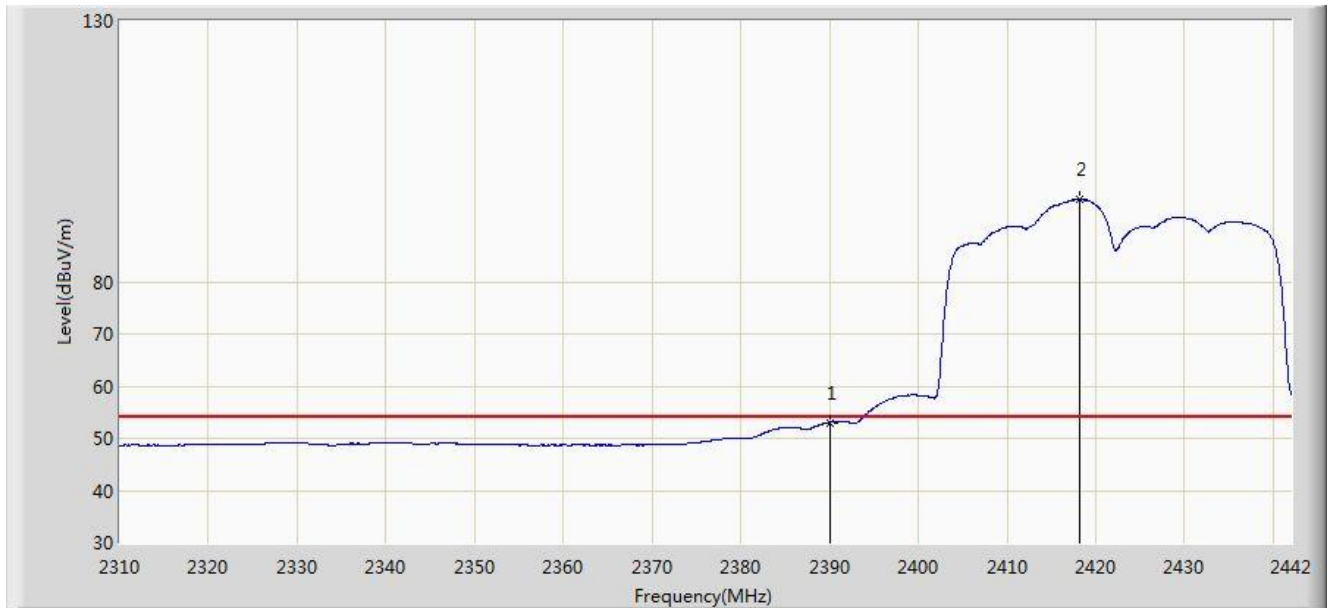


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.352	67.396	35.133	-6.604	74.000	32.264	PK
2			2390.000	66.238	33.960	-7.762	74.000	32.278	PK
3		*	2418.240	107.924	75.710	N/A	N/A	32.214	PK

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

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

Site: AC2	Time: 2017/05/10 - 01:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz, Chain 0 + 1 + 2	

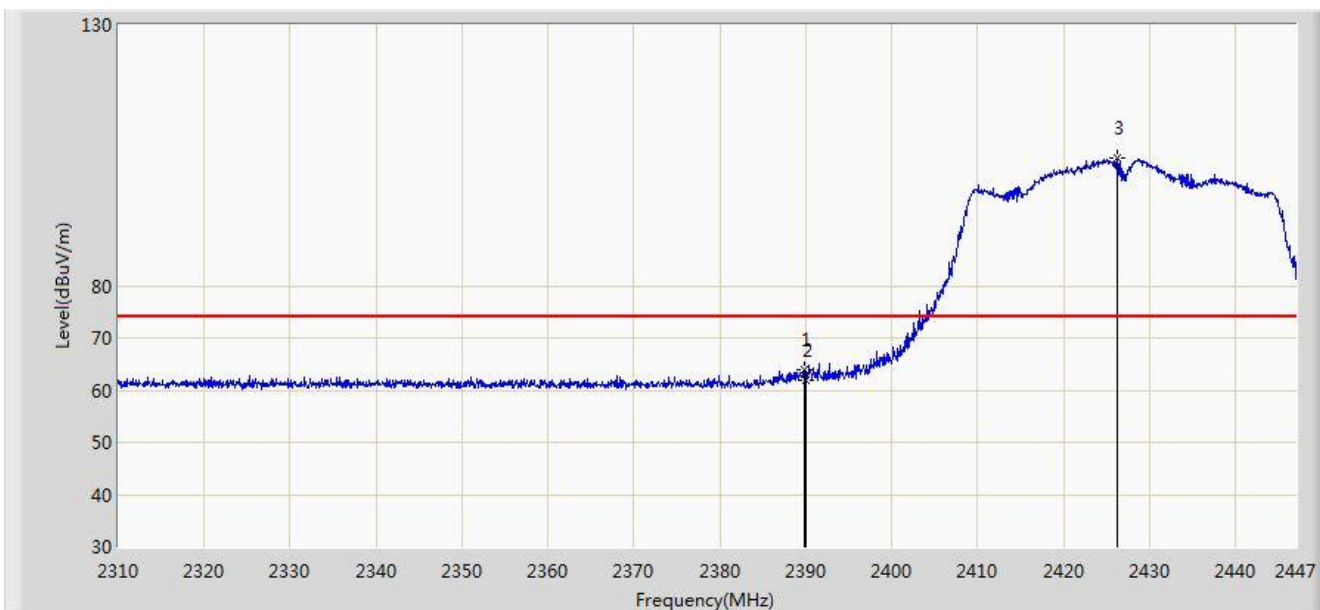


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.040	20.762	-0.960	54.000	32.278	AV
2		*	2418.108	95.719	63.505	N/A	N/A	32.214	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz, Chain 0 + 1 + 2	

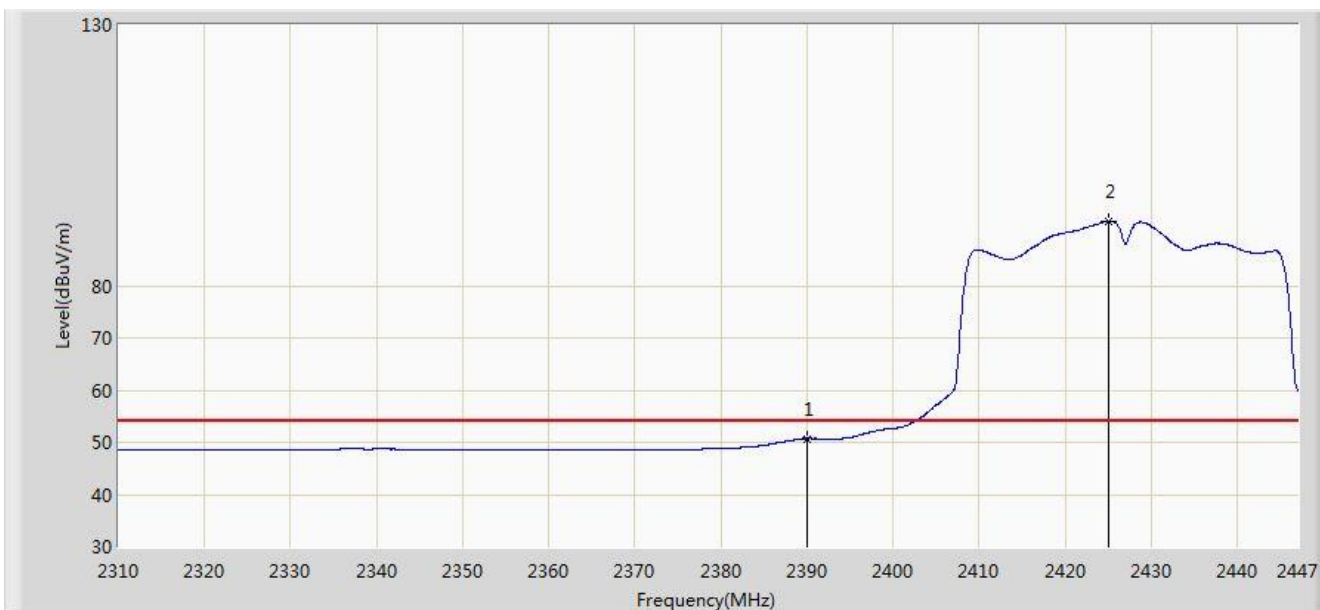


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.802	63.909	31.632	-10.091	74.000	32.277	PK
2			2390.000	61.975	29.697	-12.025	74.000	32.278	PK
3		*	2426.244	104.580	72.399	N/A	N/A	32.180	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz, Chain 0 + 1 + 2	

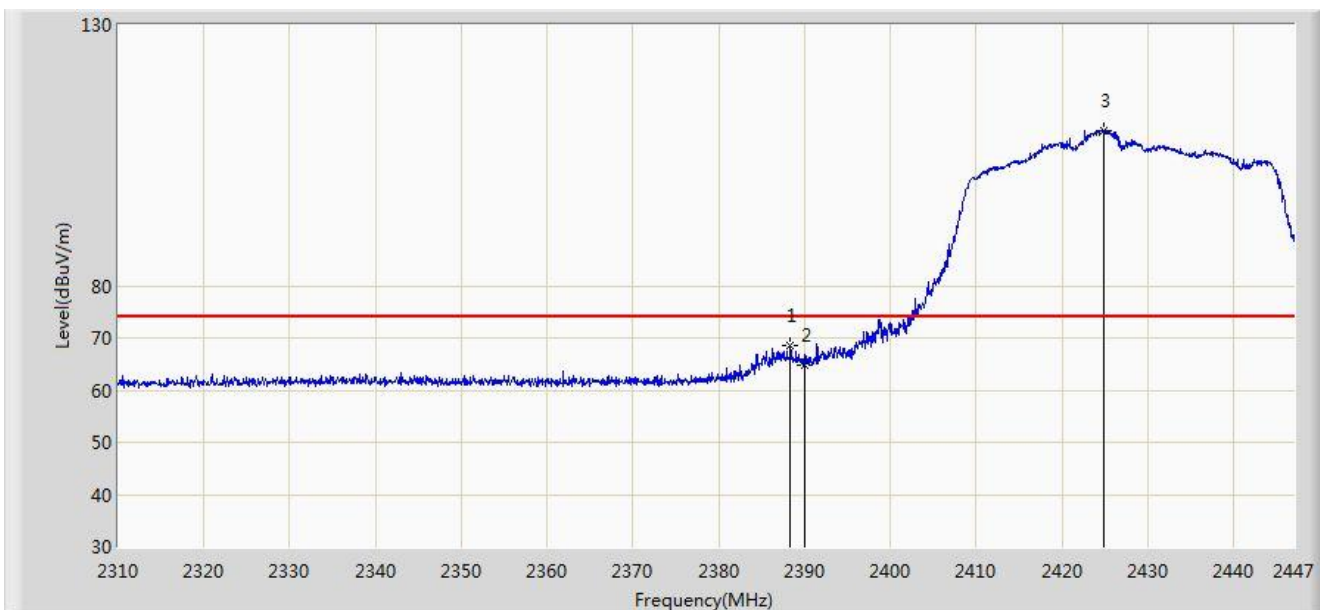


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.720	18.442	-3.280	54.000	32.278	AV
2		*	2425.080	92.381	60.196	N/A	N/A	32.185	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz, Chain 0 + 1 + 2	

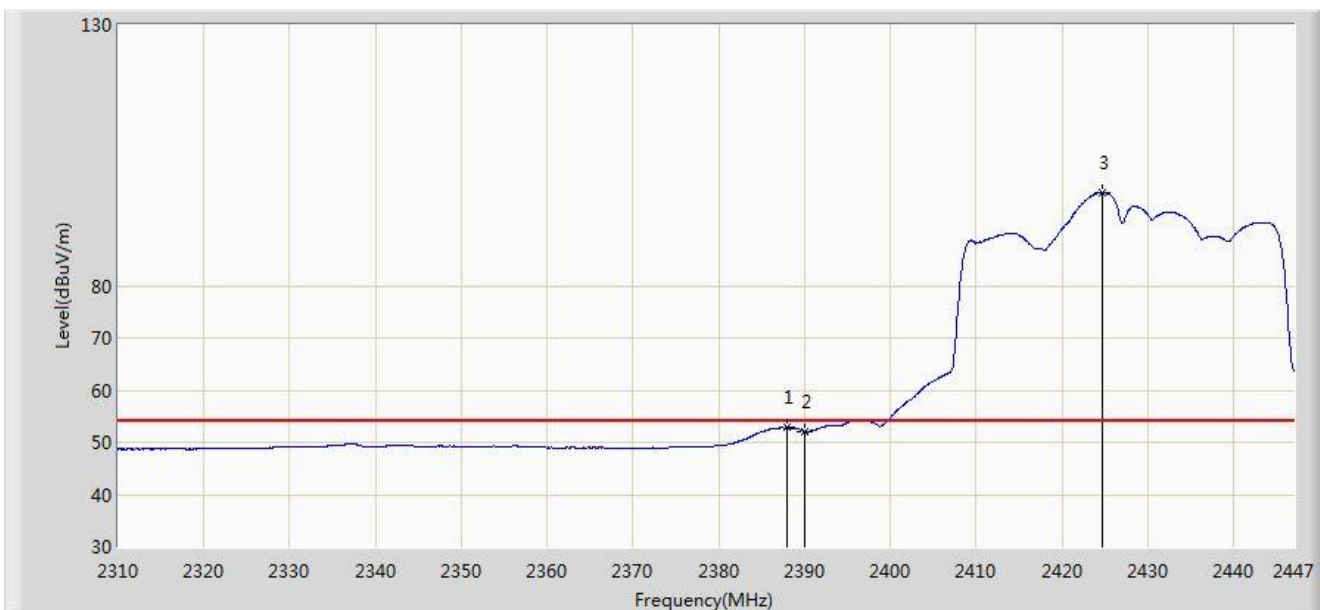


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.364	68.545	36.276	-5.455	74.000	32.269	PK
2			2390.000	64.790	32.512	-9.210	74.000	32.278	PK
3		*	2424.806	109.781	77.595	N/A	N/A	32.187	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2427MHz, Chain 0 + 1 + 2	

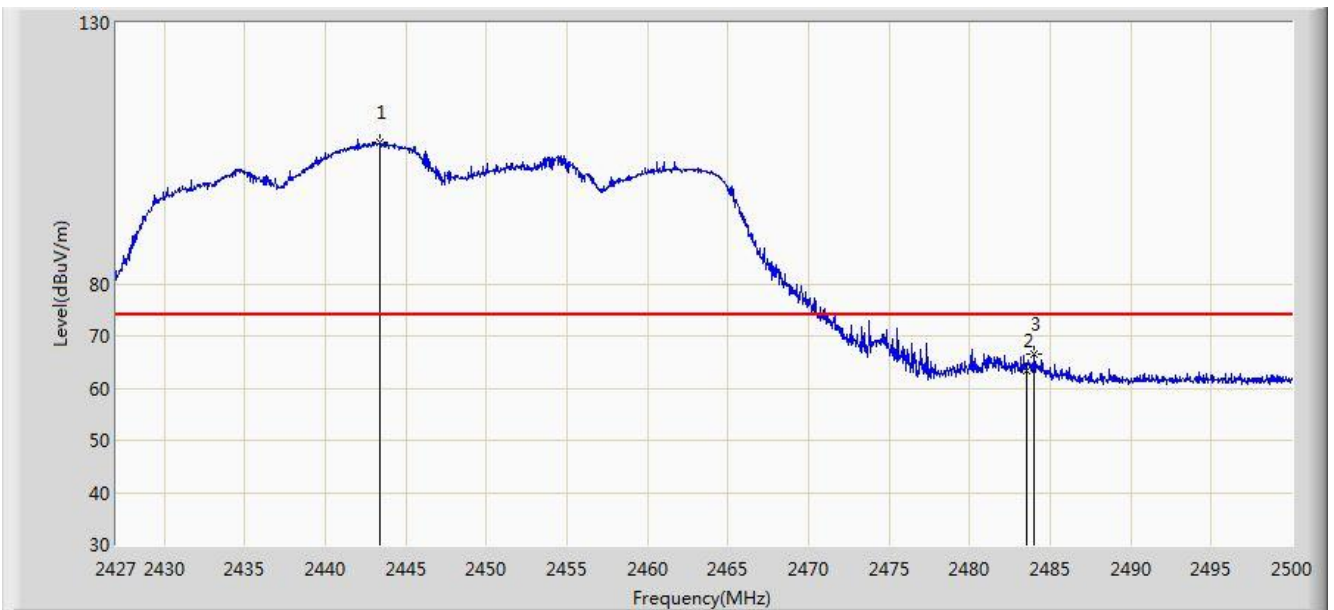


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.953	52.809	20.542	-1.191	54.000	32.267	AV
2			2390.000	52.114	19.836	-1.886	54.000	32.278	AV
3		*	2424.738	97.859	65.672	N/A	N/A	32.187	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz, Chain 0 + 1 + 2	

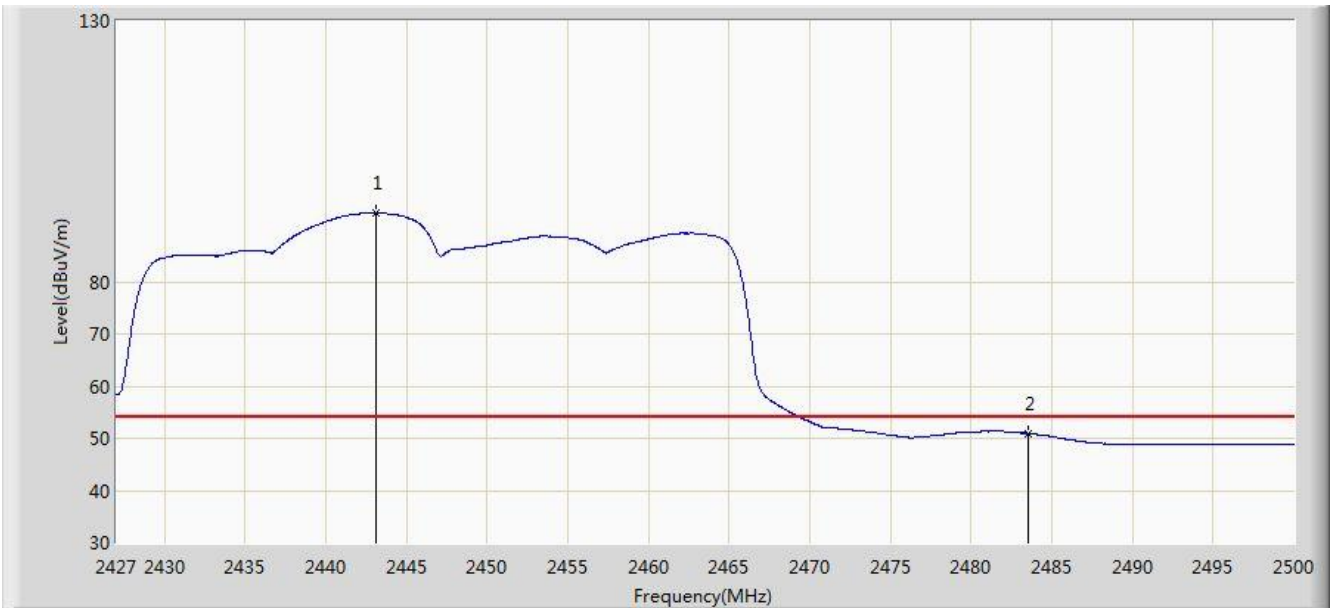


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2443.352	107.210	75.041	N/A	N/A	32.170	PK
2			2483.500	63.300	31.019	-10.700	74.000	32.282	PK
3			2484.013	66.446	34.163	-7.554	74.000	32.283	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz, Chain 0 + 1 + 2	

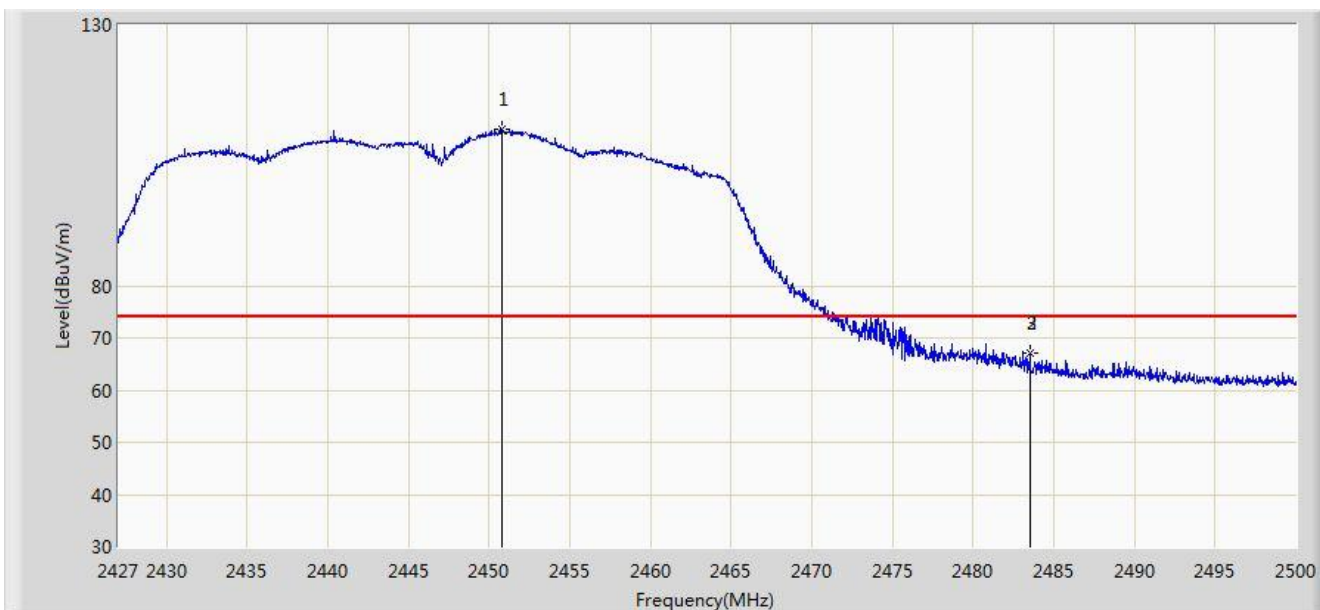


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2443.096	93.215	61.046	N/A	N/A	32.169	AV
2			2483.500	50.992	18.711	-3.008	54.000	32.282	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz, Chain 0 + 1 + 2	

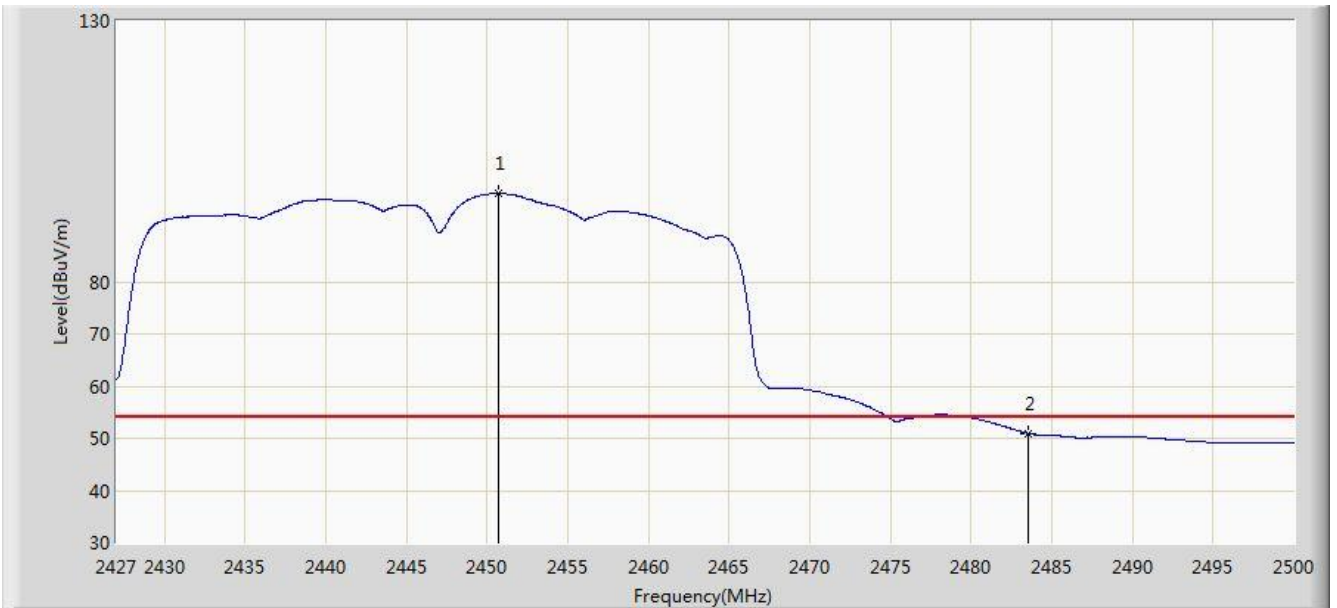


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.798	110.084	77.894	N/A	N/A	32.190	PK
2			2483.500	67.026	34.745	-6.974	74.000	32.282	PK
3			2483.502	67.201	34.920	-6.799	74.000	32.282	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2447MHz, Chain 0 + 1 + 2	

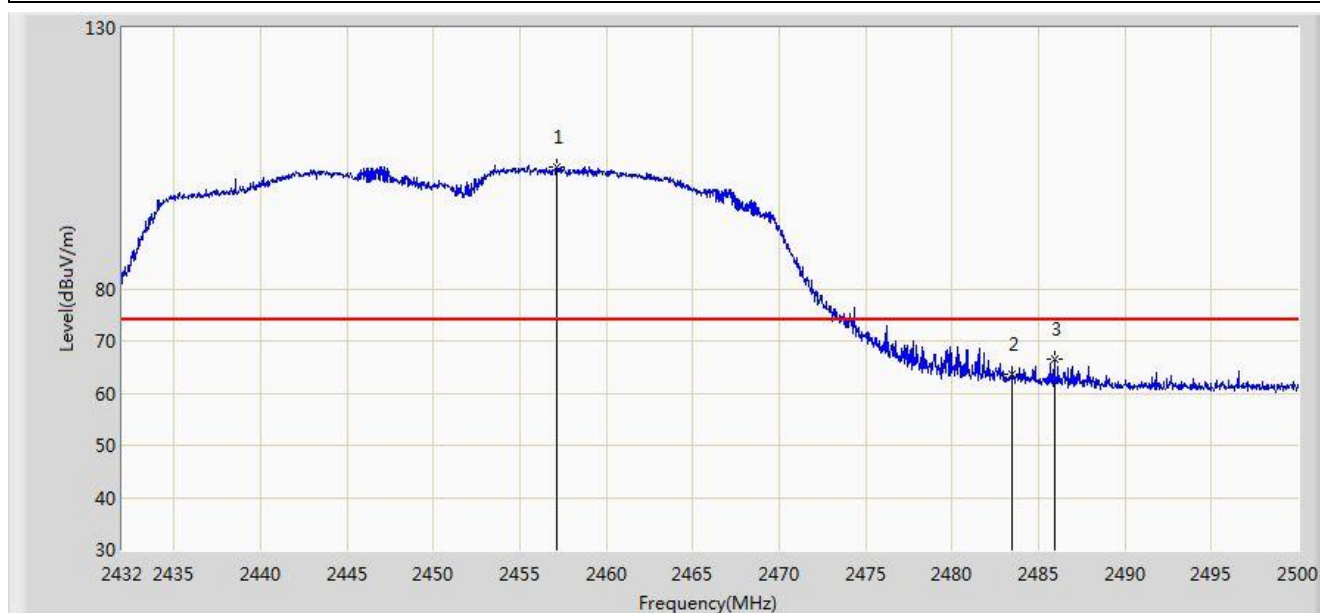


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.688	96.941	64.751	N/A	N/A	32.190	AV
2			2483.500	50.955	18.674	-3.045	54.000	32.282	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz, Chain 0 + 1 + 2	

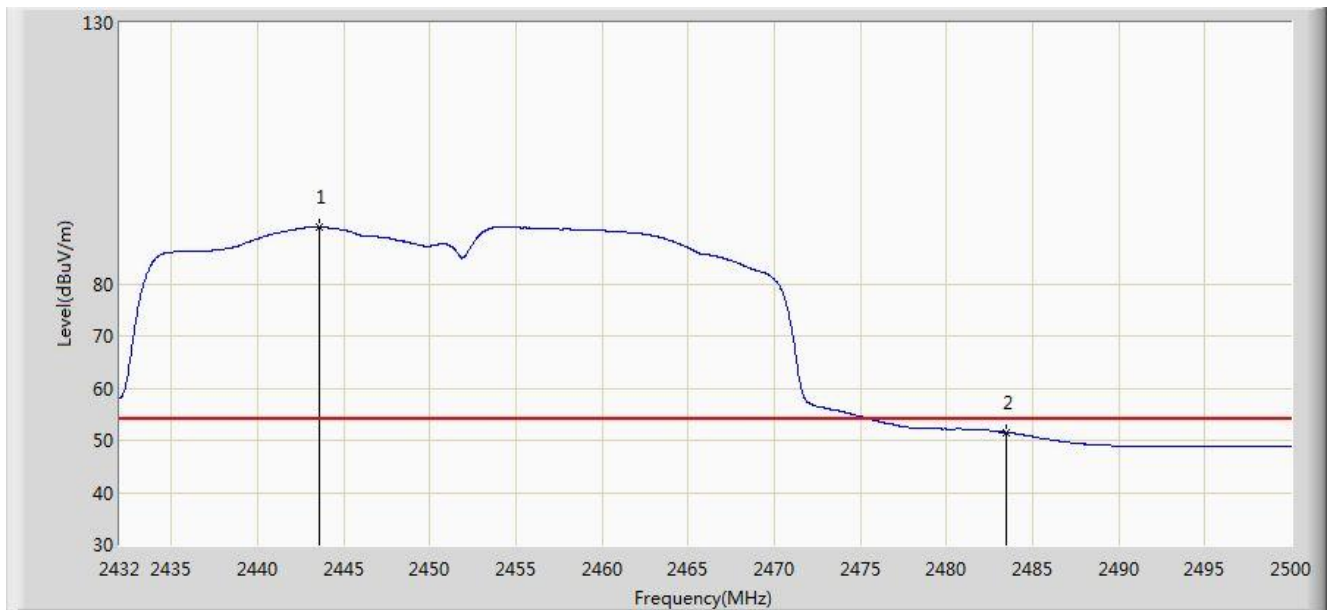


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.160	103.452	71.235	N/A	N/A	32.217	PK
2			2483.500	63.687	31.406	-10.313	74.000	32.282	PK
3			2485.924	66.621	34.331	-7.379	74.000	32.290	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz, Chain 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		*	2443.594	90.880	58.711	N/A	N/A	32.169	AV
2			2483.500	51.495	19.214	-2.505	54.000	32.282	AV

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

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

Site: AC2	Time: 2017/05/10 - 02:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz, Chain 0 + 1 + 2	

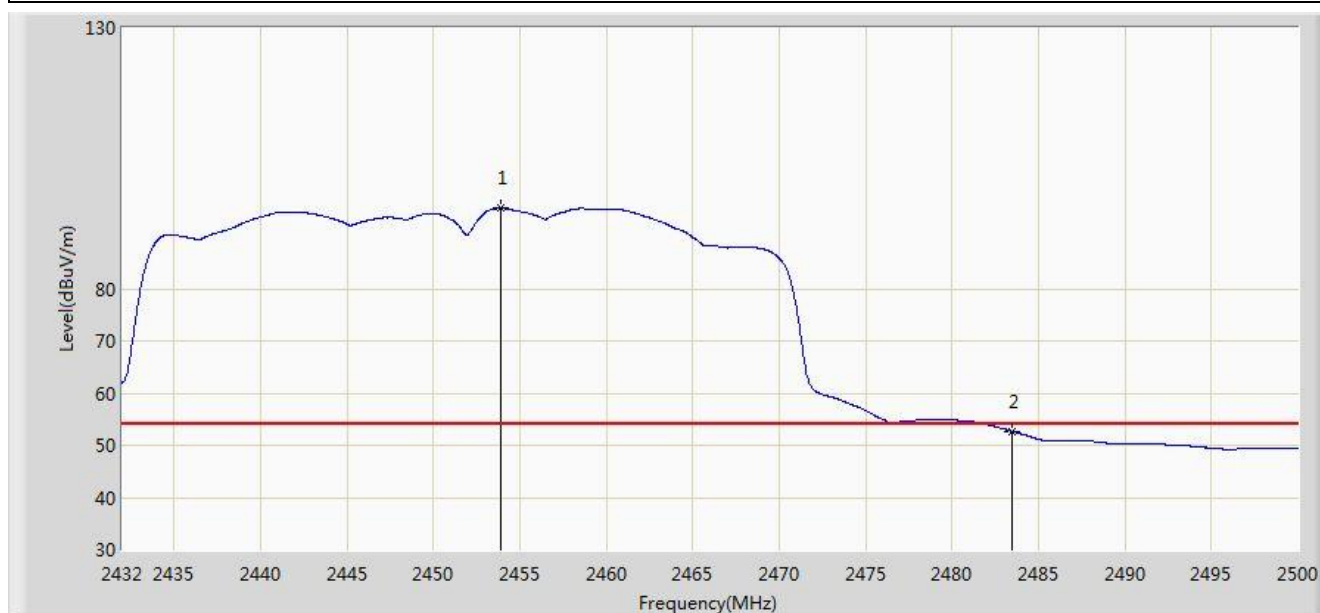


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.744	108.207	75.978	N/A	N/A	32.228	PK
2			2483.500	65.724	33.443	-8.276	74.000	32.282	PK
3			2486.264	70.122	37.831	-3.878	74.000	32.291	PK

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

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

Site: AC2	Time: 2017/05/10 - 02:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz, Chain 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		*	2453.930	95.411	63.207	N/A	N/A	32.204	AV
2			2483.500	52.641	20.360	-1.359	54.000	32.282	AV

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

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

7.8. AC Conducted Emissions Measurement

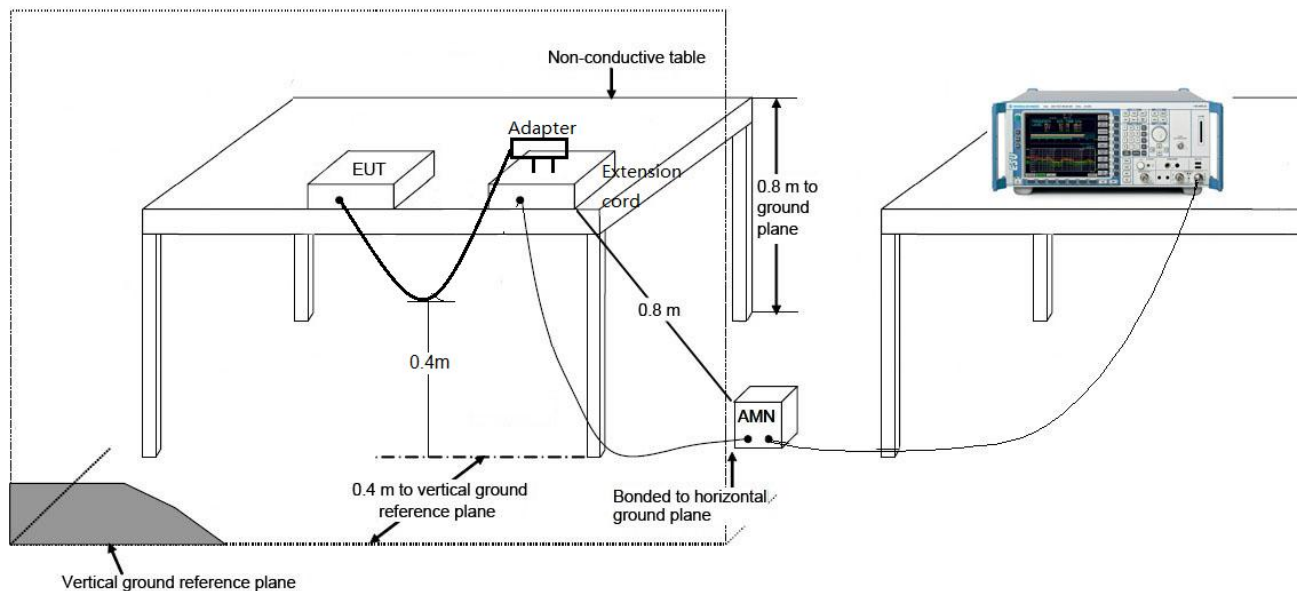
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
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.

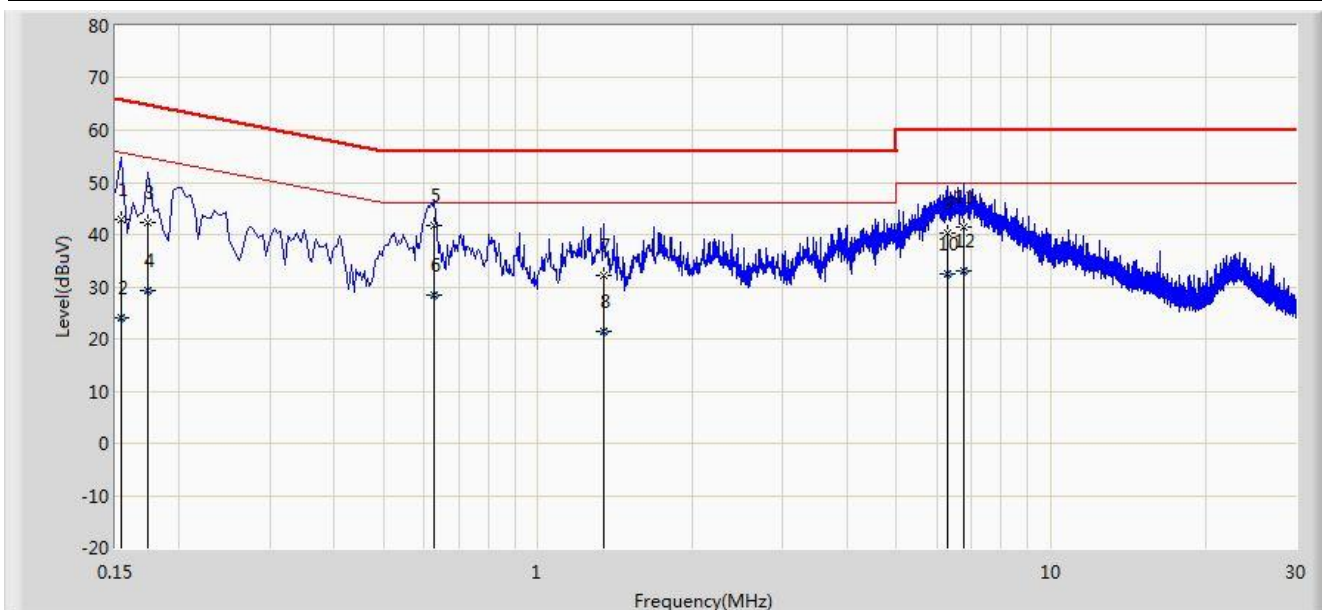
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3.Test Result

Site: SR2	Time: 2017/05/08 - 10:35
Limit: FCC_Part15.207_CE_AC Power	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Mode1	

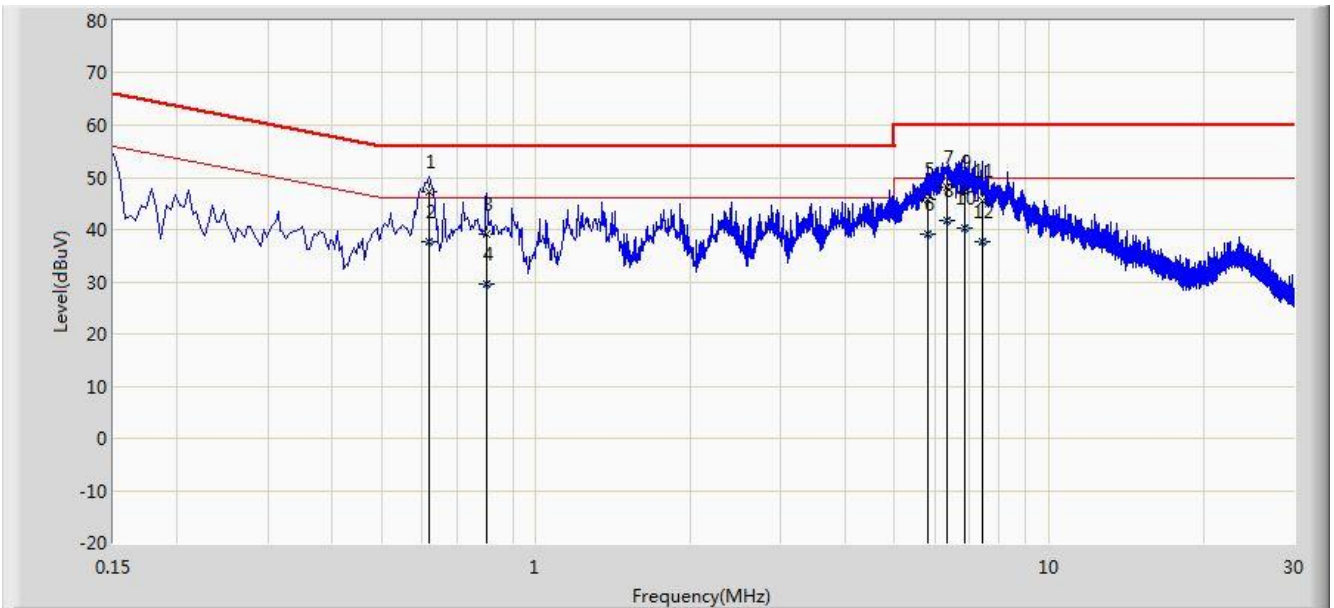


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	42.880	32.141	-22.901	65.781	10.740	QP
2			0.154	24.153	13.413	-31.628	55.781	10.740	AV
3			0.174	42.282	32.215	-22.485	64.767	10.068	QP
4			0.174	29.138	19.070	-25.629	54.767	10.068	AV
5		*	0.626	41.686	31.584	-14.314	56.000	10.101	QP
6			0.626	28.523	18.421	-17.477	46.000	10.101	AV
7			1.342	32.077	22.181	-23.923	56.000	9.896	QP
8			1.342	21.351	11.456	-24.649	46.000	9.896	AV
9			6.270	40.422	30.295	-19.578	60.000	10.128	QP
10			6.270	32.488	22.360	-17.512	50.000	10.128	AV
11			6.770	41.490	31.342	-18.510	60.000	10.148	QP
12			6.770	32.969	22.820	-17.031	50.000	10.148	AV

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

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

Site: SR2	Time: 2017/05/08 - 10:42
Limit: FCC_Part15.207_CE_AC Power	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Mode1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.618	47.121	37.000	-8.879	56.000	10.121	QP
2		*	0.618	37.821	27.700	-8.179	46.000	10.121	AV
3			0.802	39.159	29.141	-16.841	56.000	10.018	QP
4			0.802	29.629	19.611	-16.371	46.000	10.018	AV
5			5.810	45.761	35.652	-14.239	60.000	10.109	QP
6			5.810	39.252	29.143	-10.748	50.000	10.109	AV
7			6.330	48.243	38.100	-11.757	60.000	10.143	QP
8			6.330	41.643	31.500	-8.357	50.000	10.143	AV
9			6.846	47.280	37.114	-12.720	60.000	10.166	QP
10			6.846	40.238	30.072	-9.762	50.000	10.166	AV
11			7.426	45.372	35.189	-14.628	60.000	10.183	QP
12			7.426	37.746	27.563	-12.254	50.000	10.183	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 **AC1750 Wi-Fi Range Extender** **FCC ID: TE7RE450V2** is in compliance with Part 15C of the FCC Rules.

The End