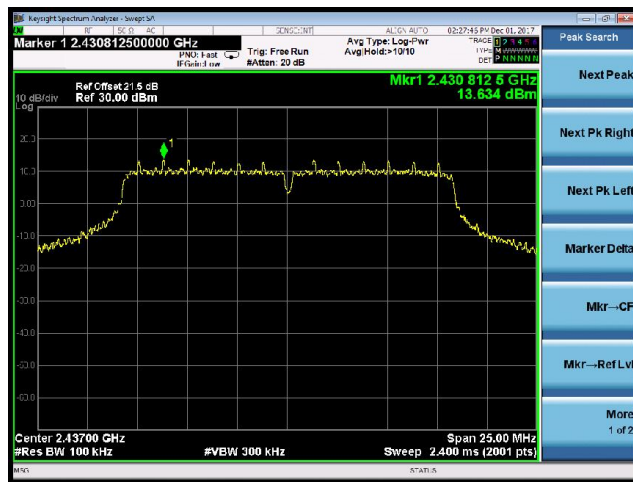


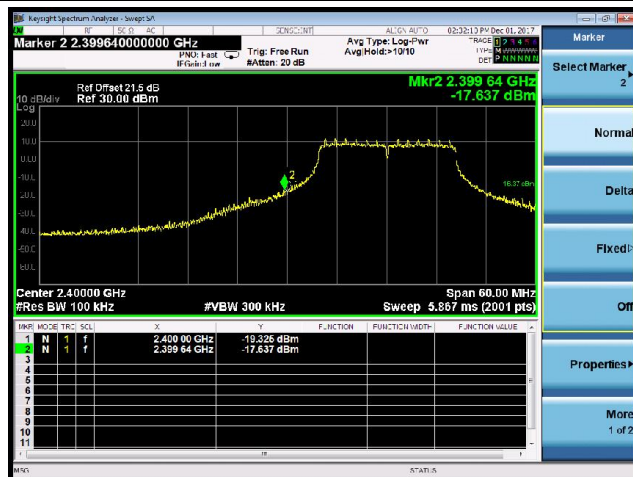
802.11g Out-of-Band Emissions - Ant 0

100kHz PSD reference Level

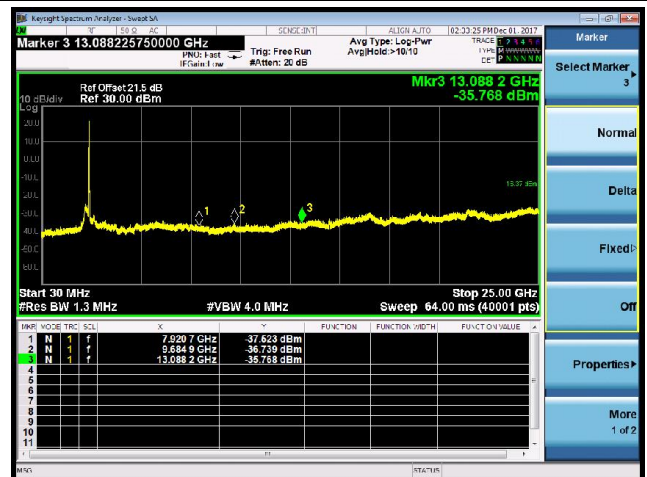


Channel 01 (2412MHz)

Low Band Edge

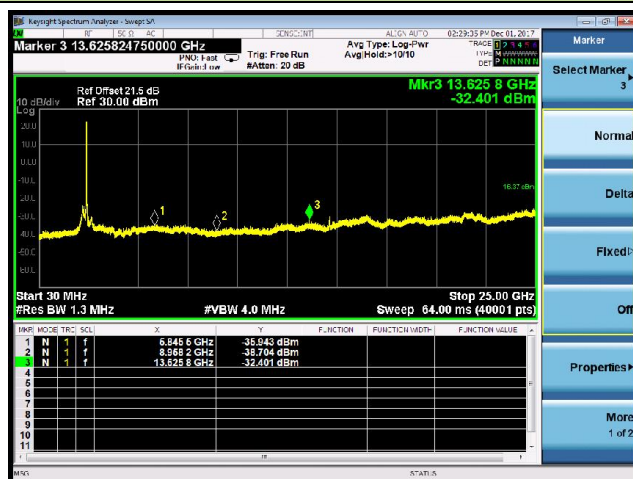


Spurious Emission



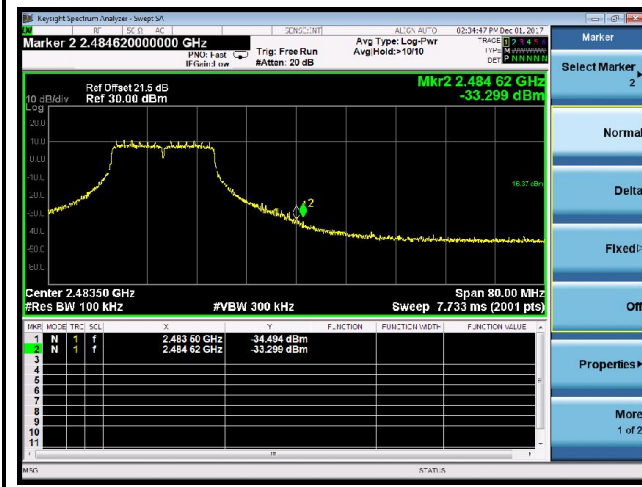
Channel 06 (2437MHz)

Spurious Emission

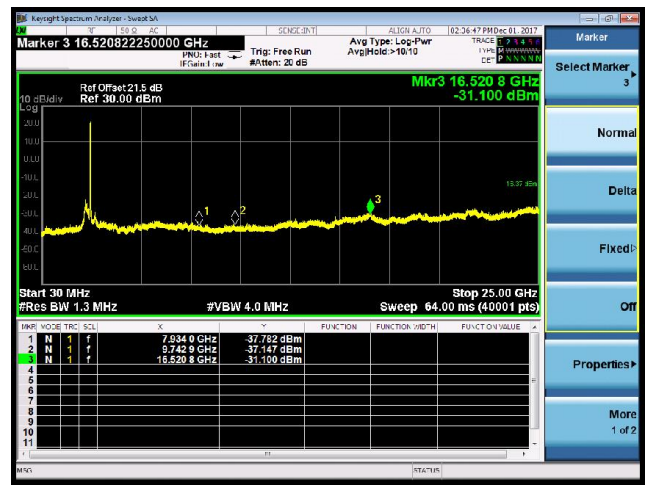


Channel 11 (2462MHz)

High Band Edge

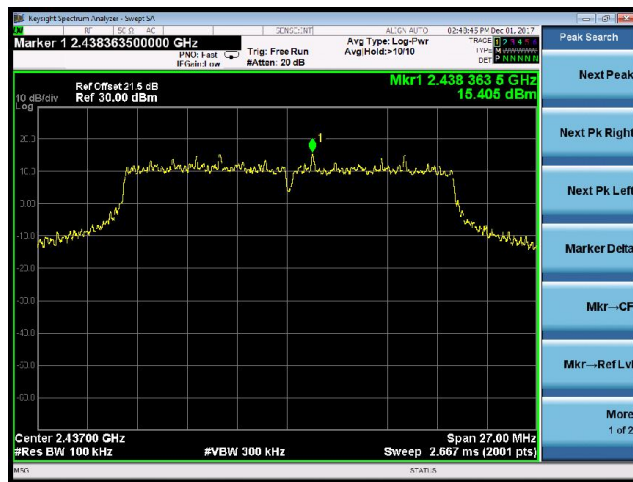


Spurious Emission



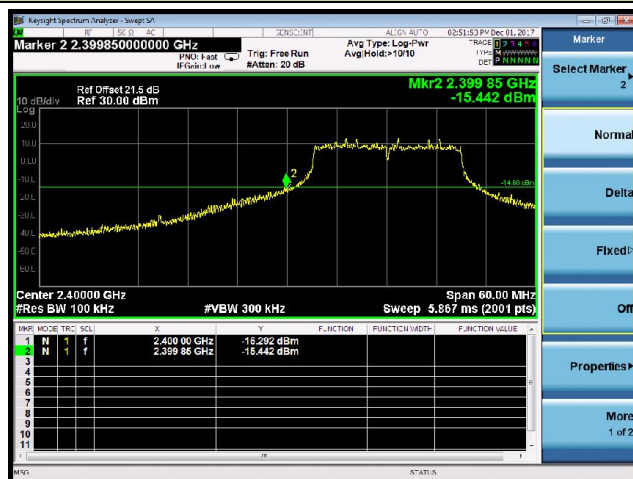
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0+1

100kHz PSD reference Level

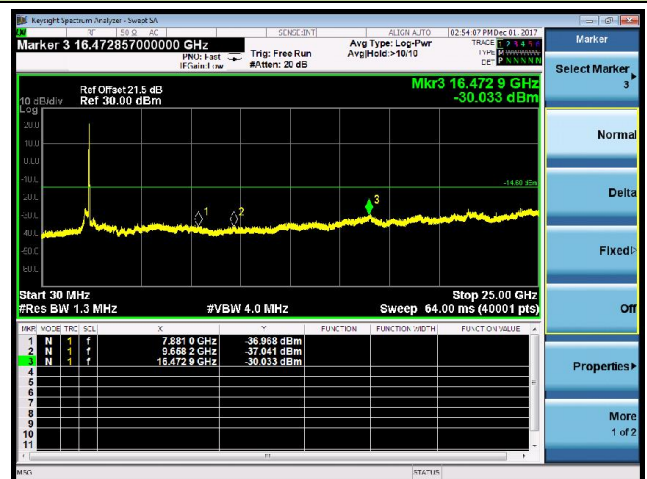


Channel 01 (2412MHz)

Low Band Edge

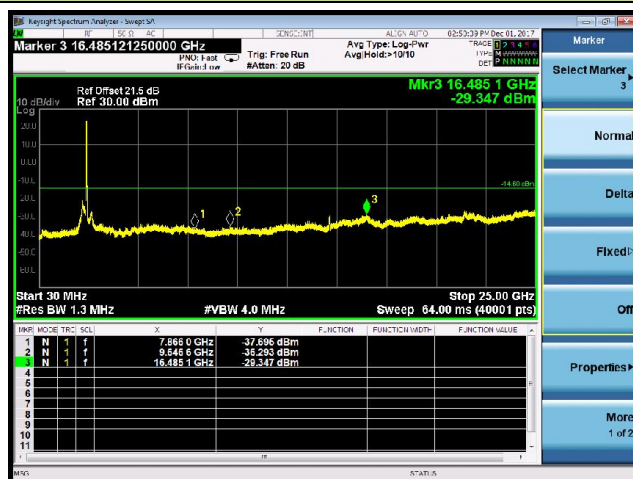


Spurious Emission



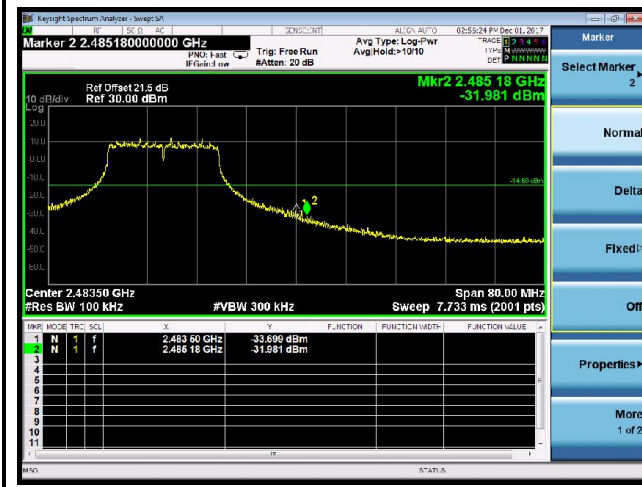
Channel 06 (2437MHz)

Spurious Emission

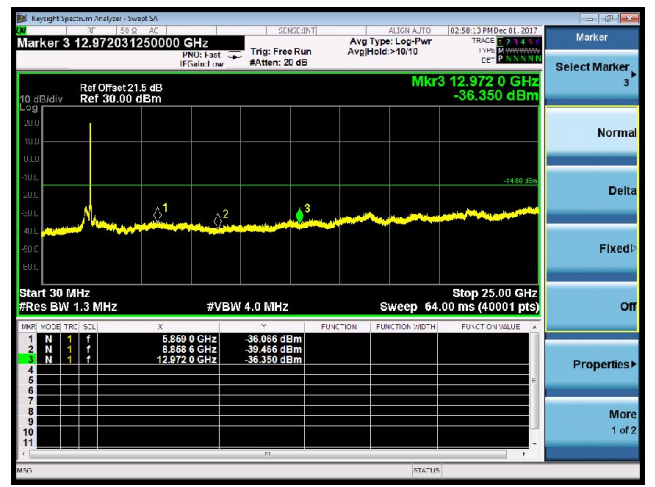


Channel 11 (2462MHz)

High Band Edge



Spurious Emission



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

100kHz PSD reference Level

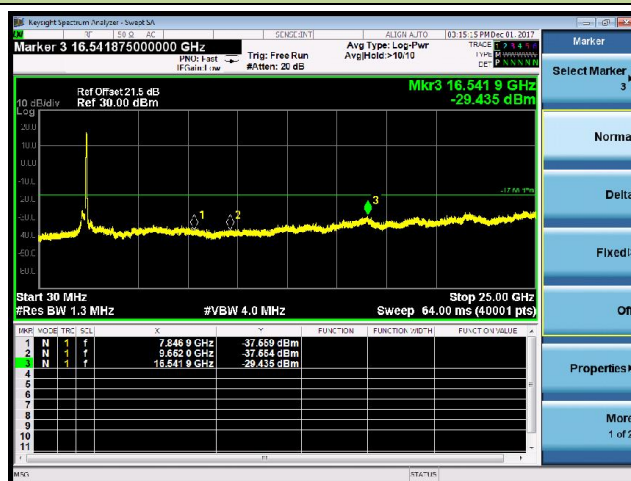


Channel 01 (2422MHz)

Low Band Edge

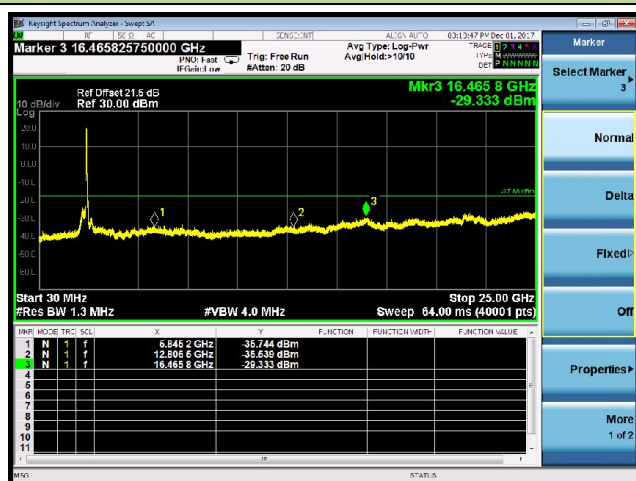


Spurious Emission



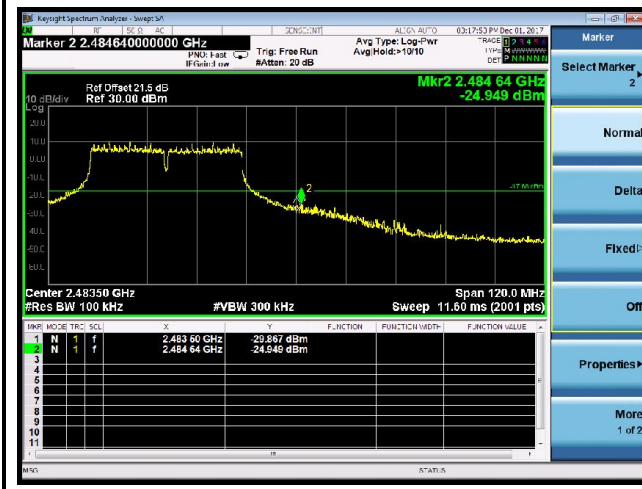
Channel 06 (2437MHz)

Spurious Emission

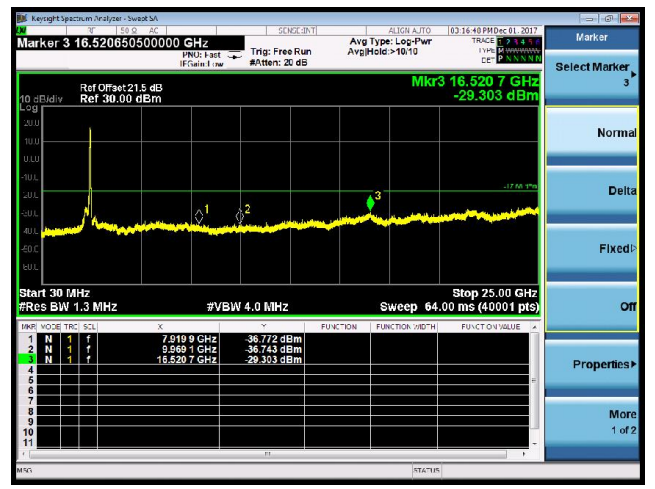


Channel 09 (2452MHz)

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 [V/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

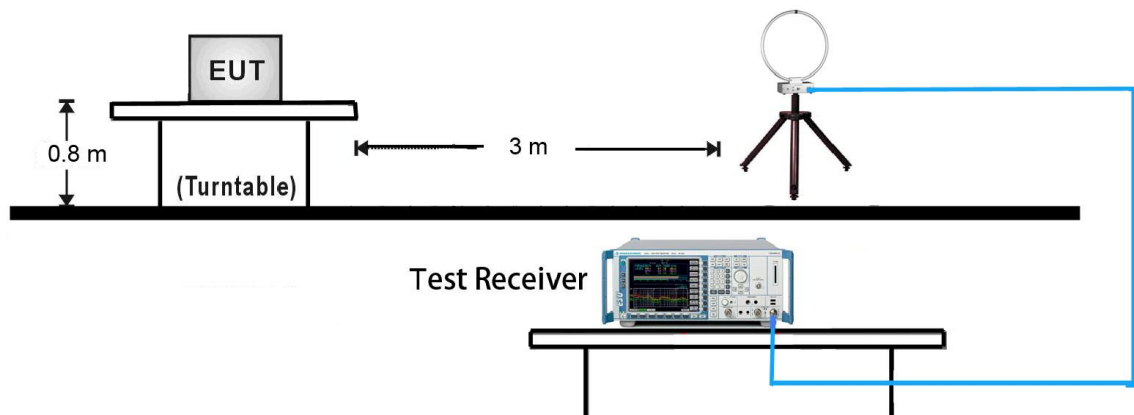
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

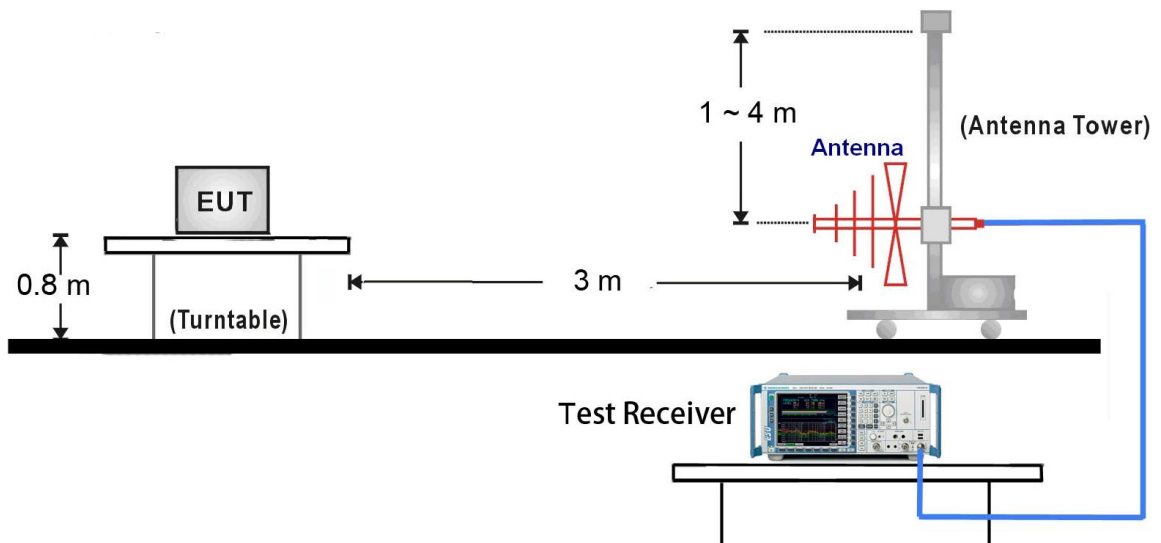
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain).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

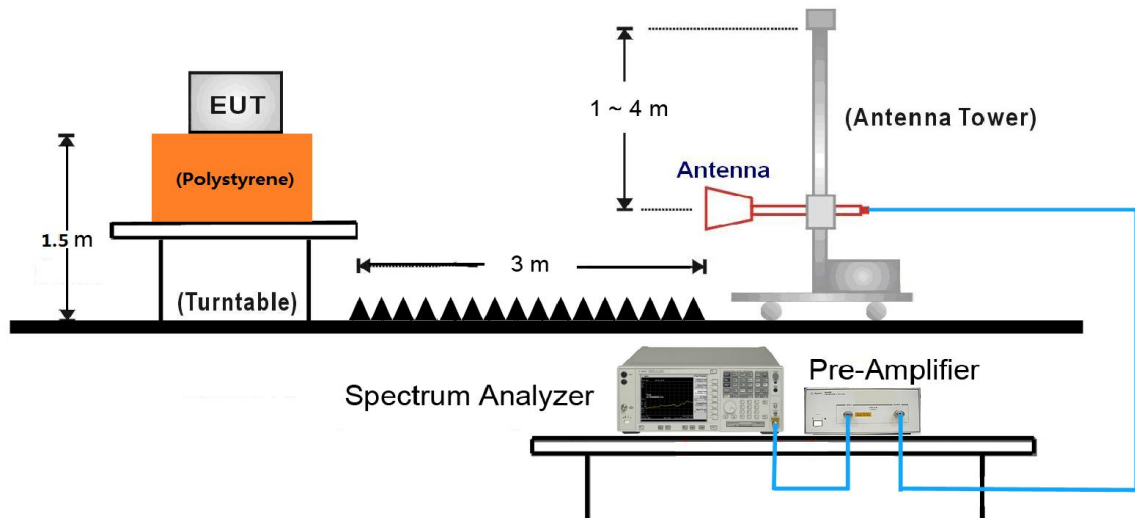
9kHz ~ 30MHz Test Setup:



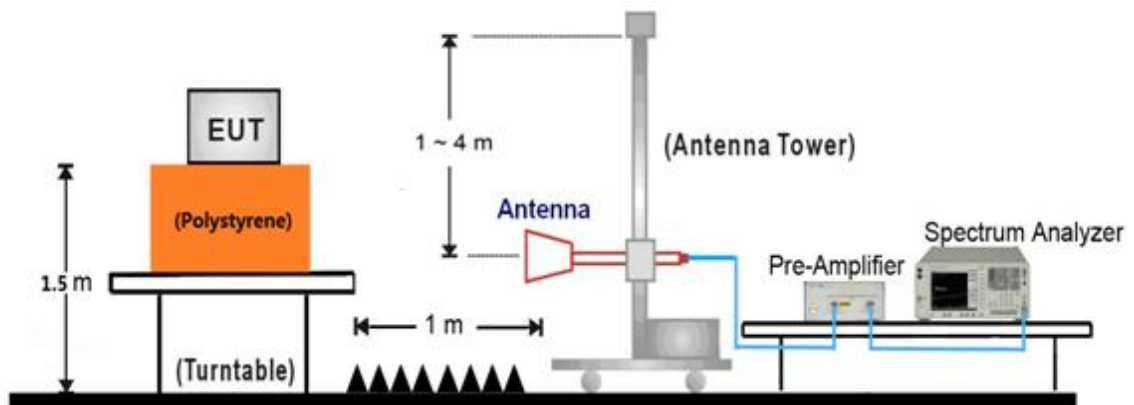
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11b - Ant 0	Test Channel:	01
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	52.0	2.7	54.7	74.0	-19.3	Peak	Horizontal
	4825.0	48.6	2.7	51.3	54.0	-2.7	Average	Horizontal
	14472.5	36.8	15.8	52.6	74.0	-21.4	Peak	Horizontal
	14472.5	30.6	15.8	46.4	54.0	-7.6	Average	Horizontal
*	16274.5	35.5	12.8	48.3	74.0	-25.7	Peak	Horizontal
*	17133.0	35.6	15.6	51.2	74.0	-22.8	Peak	Horizontal
	4825.0	43.4	2.7	46.1	74.0	-27.9	Peak	Vertical
	7460.0	35.7	8.1	43.8	74.0	-30.2	Peak	Vertical
*	10375.5	34.3	12.2	46.5	74.0	-27.5	Peak	Vertical
*	13716.0	34.5	14.1	48.5	74.0	-25.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (103.2dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11b - Ant 0	Test Channel:	06
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	47.0	2.7	49.6	74.0	-24.4	Peak	Horizontal
	4876.0	45.1	2.7	47.8	54.0	-6.2	Average	Horizontal
	8097.5	34.8	8.6	43.4	74.0	-30.6	Peak	Horizontal
*	10324.5	34.2	12.1	46.3	74.0	-27.7	Peak	Horizontal
*	13597.0	34.8	13.9	48.7	74.0	-25.3	Peak	Horizontal
	4876.0	42.1	2.7	44.7	74.0	-29.3	Peak	Vertical
	8072.0	34.3	8.7	43.0	74.0	-31.0	Peak	Vertical
*	10214.0	33.5	11.8	45.3	74.0	-28.7	Peak	Vertical
*	13945.5	34.8	14.7	49.5	74.0	-24.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (102.5dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11b - Ant 0	Test Channel:	11
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	42.3	2.8	45.1	74.0	-28.9	Peak	Horizontal
	7460.0	35.5	8.1	43.6	74.0	-30.4	Peak	Horizontal
*	10392.5	35.8	12.3	48.1	74.0	-25.9	Peak	Horizontal
*	13988.0	34.8	14.9	49.7	74.0	-24.3	Peak	Horizontal
	4927.0	42.3	2.8	45.1	74.0	-28.9	Peak	Vertical
	8131.5	35.2	8.5	43.7	74.0	-30.3	Peak	Vertical
*	10392.5	35.8	12.3	48.1	74.0	-25.9	Peak	Vertical
*	13988.0	34.8	14.9	49.7	74.0	-24.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (101.0dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11g - Ant 0	Test Channel:	01
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	45.2	2.7	47.9	74.0	-26.1	Peak	Horizontal
	7375.0	35.4	7.9	43.3	74.0	-30.7	Peak	Horizontal
*	10188.5	34.2	11.8	46.0	74.0	-28.0	Peak	Horizontal
*	14158.0	35.5	15.3	50.8	74.0	-23.2	Peak	Horizontal
	4816.5	39.5	2.7	42.2	74.0	-31.8	Peak	Vertical
	7468.5	34.5	8.1	42.7	74.0	-31.3	Peak	Vertical
*	10528.5	34.4	12.5	46.8	74.0	-27.2	Peak	Vertical
*	13707.5	34.9	14.1	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (102.8dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11g - Ant 0	Test Channel:	06
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	42.3	2.7	45.0	74.0	-29.0	Peak	Horizontal
	8148.5	35.4	8.5	43.8	74.0	-30.2	Peak	Horizontal
*	10452.0	33.8	12.0	45.9	74.0	-28.1	Peak	Horizontal
*	13597.0	34.4	13.9	48.3	74.0	-25.7	Peak	Horizontal
	4867.5	38.2	2.7	40.9	74.0	-33.1	Peak	Vertical
	7443.0	35.9	8.0	43.9	74.0	-30.1	Peak	Vertical
*	10205.5	34.5	11.8	46.3	74.0	-27.7	Peak	Vertical
*	13631.0	34.9	13.9	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (102.0dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11g - Ant 0	Test Channel:	11
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	40.3	2.8	43.1	74.0	-30.9	Peak	Horizontal
	7324.0	34.5	8.0	42.5	74.0	-31.5	Peak	Horizontal
*	10452.0	34.7	12.0	46.7	74.0	-27.3	Peak	Horizontal
*	13597.0	35.3	13.9	49.2	74.0	-24.8	Peak	Horizontal
	4927.0	35.6	2.8	38.3	74.0	-35.7	Peak	Vertical
	7358.0	34.4	8.0	42.4	74.0	-31.6	Peak	Vertical
*	10392.5	33.8	12.3	46.1	74.0	-27.9	Peak	Vertical
*	13724.5	34.5	14.1	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (101.1dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11b - Ant 1	Test Channel:	01
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	47.4	2.7	50.1	74.0	-23.9	Peak	Horizontal
	4825.0	45.4	2.7	48.1	54.0	-5.9	Average	Horizontal
	8038.0	35.1	8.8	43.8	74.0	-30.2	Peak	Horizontal
*	10273.5	34.9	12.0	46.9	74.0	-27.1	Peak	Horizontal
*	13673.5	34.5	13.9	48.5	74.0	-25.5	Peak	Horizontal
	4825.0	42.8	2.7	45.5	74.0	-28.5	Peak	Vertical
	8267.5	34.4	8.1	42.5	74.0	-31.5	Peak	Vertical
*	10443.5	34.5	12.0	46.5	74.0	-27.5	Peak	Vertical
*	13673.5	34.8	13.9	48.8	74.0	-25.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (100.7dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11b - Ant 1	Test Channel:	06
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	42.7	2.7	45.3	74.0	-28.7	Peak	Horizontal
	8080.5	35.0	8.6	43.6	74.0	-30.4	Peak	Horizontal
*	10316.0	34.4	12.1	46.5	74.0	-27.5	Peak	Horizontal
*	13520.5	34.6	13.8	48.3	74.0	-25.7	Peak	Horizontal
	4876.0	40.7	2.7	43.4	74.0	-30.6	Peak	Vertical
	7358.0	34.7	8.0	42.7	74.0	-31.3	Peak	Vertical
*	10375.5	34.6	12.2	46.8	74.0	-27.2	Peak	Vertical
*	13767.0	34.5	14.2	48.8	74.0	-25.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (98.4dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11b - Ant 1	Test Channel:	11
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. 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	39.9	2.8	42.7	74.0	-31.3	Peak	Horizontal
	8233.5	35.0	8.2	43.1	74.0	-30.9	Peak	Horizontal
*	10316.0	33.4	12.1	45.5	74.0	-28.5	Peak	Horizontal
*	13622.5	35.0	13.9	48.9	74.0	-25.1	Peak	Horizontal
	4927.0	37.5	2.8	40.3	74.0	-33.7	Peak	Vertical
	7256.0	34.7	7.9	42.6	74.0	-31.4	Peak	Vertical
*	10367.0	33.5	12.2	45.7	74.0	-28.3	Peak	Vertical
*	13605.5	34.8	13.9	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (96.3dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11g - Ant 1	Test Channel:	01
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	41.9	2.7	44.6	74.0	-29.4	Peak	Horizontal
	7341.0	33.4	8.0	41.4	74.0	-32.6	Peak	Horizontal
*	10333.0	34.3	12.2	46.5	74.0	-27.5	Peak	Horizontal
*	13461.0	34.3	13.7	48.0	74.0	-26.0	Peak	Horizontal
	4825.0	37.8	2.7	40.5	74.0	-33.5	Peak	Vertical
	7307.0	35.9	8.0	43.9	74.0	-30.1	Peak	Vertical
*	10384.0	34.4	12.3	46.7	74.0	-27.3	Peak	Vertical
*	14192.0	35.4	15.4	50.8	74.0	-23.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (99.9dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11g - Ant 1	Test Channel:	06
Remark:	5. Average measurement was not performed if peak level lower than average limit. 6. 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	38.2	2.7	40.8	74.0	-33.2	Peak	Horizontal
	7383.5	34.8	7.9	42.7	74.0	-31.3	Peak	Horizontal
*	10341.5	33.6	12.2	45.8	74.0	-28.2	Peak	Horizontal
*	13996.5	34.5	14.9	49.4	74.0	-24.6	Peak	Horizontal
	4876.0	36.4	2.7	39.0	74.0	-35.0	Peak	Vertical
	7332.5	34.1	8.0	42.2	74.0	-31.8	Peak	Vertical
*	10265.0	32.8	12.0	44.7	74.0	-29.3	Peak	Vertical
*	13614.0	34.5	13.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (98.4dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11g - Ant 1	Test Channel:	11
Remark:	7. Average measurement was not performed if peak level lower than average limit. 8. 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
	4918.5	35.8	2.8	38.6	74.0	-35.4	Peak	Horizontal
	7392.0	34.2	7.9	42.1	74.0	-31.9	Peak	Horizontal
*	10273.5	33.5	12.0	45.5	74.0	-28.5	Peak	Horizontal
*	13648.0	34.8	13.9	48.7	74.0	-25.3	Peak	Horizontal
	4918.5	35.8	2.8	38.6	74.0	-35.4	Peak	Vertical
	7392.0	34.9	7.9	42.9	74.0	-31.1	Peak	Vertical
*	10537.0	35.2	12.5	47.7	74.0	-26.3	Peak	Vertical
*	13648.0	34.8	13.9	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (96.4dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Channel:	01
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	45.4	2.7	48.1	74.0	-25.9	Peak	Horizontal
	4825.0	30.8	2.7	33.5	54.0	-20.5	Average	Horizontal
	8123.0	35.7	8.6	44.2	74.0	-29.8	Peak	Horizontal
*	10418.0	34.3	12.2	46.5	74.0	-27.5	Peak	Horizontal
*	14158.0	34.6	15.3	49.9	74.0	-24.1	Peak	Horizontal
	4816.5	41.0	2.7	43.7	74.0	-30.3	Peak	Vertical
	7349.5	35.8	8.0	43.8	74.0	-30.2	Peak	Vertical
*	9865.5	34.1	11.6	45.7	74.0	-28.3	Peak	Vertical
*	13622.5	34.4	13.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (103.8dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Channel:	06
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	42.6	2.7	45.3	74.0	-28.7	Peak	Horizontal
	7349.5	35.1	8.0	43.1	74.0	-30.9	Peak	Horizontal
*	9874.0	35.0	11.6	46.6	74.0	-27.4	Peak	Horizontal
*	13639.5	34.8	13.9	48.7	74.0	-25.3	Peak	Horizontal
	4876.0	40.5	2.7	43.1	74.0	-30.9	Peak	Vertical
	7460.0	34.5	8.1	42.6	74.0	-31.4	Peak	Vertical
*	10333.0	34.2	12.2	46.4	74.0	-27.6	Peak	Vertical
*	14226.0	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (102.3dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Channel:	11
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	40.8	2.8	43.6	74.0	-30.4	Peak	Horizontal
	7511.0	34.8	8.3	43.1	74.0	-30.9	Peak	Horizontal
*	10316.0	33.5	12.1	45.5	74.0	-28.5	Peak	Horizontal
*	14141.0	34.2	15.3	49.5	74.0	-24.5	Peak	Horizontal
	4910.0	37.8	2.7	40.6	74.0	-33.4	Peak	Vertical
	7511.0	33.8	8.3	42.1	74.0	-31.9	Peak	Vertical
*	10418.0	34.8	12.2	47.0	74.0	-27.0	Peak	Vertical
*	13724.5	34.5	14.1	48.6	74.0	-25.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (101.3dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Channel:	03
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
	4842.0	43.4	2.7	46.1	74.0	-27.9	Peak	Horizontal
	7290.0	34.2	8.0	42.2	74.0	-31.8	Peak	Horizontal
*	9848.5	34.2	11.6	45.8	74.0	-28.2	Peak	Horizontal
*	13843.5	34.3	14.5	48.7	74.0	-25.3	Peak	Horizontal
	4833.5	37.0	2.7	39.7	74.0	-34.3	Peak	Vertical
	7264.5	34.5	7.9	42.5	74.0	-31.5	Peak	Vertical
*	10367.0	34.8	12.2	46.9	74.0	-27.1	Peak	Vertical
*	13928.5	34.4	14.7	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (99.3dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Channel:	06
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	40.0	2.7	42.7	74.0	-31.3	Peak	Horizontal
	7451.5	34.9	8.0	43.0	74.0	-31.0	Peak	Horizontal
*	10392.5	35.0	12.3	47.3	74.0	-26.7	Peak	Horizontal
*	13520.5	34.6	13.8	48.4	74.0	-25.6	Peak	Horizontal
	4876.0	40.8	2.7	43.5	74.0	-30.5	Peak	Vertical
	7536.5	34.1	8.3	42.3	74.0	-31.7	Peak	Vertical
*	10477.5	34.3	12.2	46.5	74.0	-27.5	Peak	Vertical
*	13928.5	34.3	14.7	48.9	74.0	-25.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (98.6dBμV/m) or 15.209 which is higher.

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

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

Product	Wireless Module	Temperature	26°C
Test Engineer	Cat Hu	Relative Humidity	56%
Test Site	AC1	Test Date	2017/11/30
Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Channel:	09
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
	4901.5	41.7	2.7	44.4	74.0	-29.6	Peak	Horizontal
	7502.5	34.8	8.3	43.1	74.0	-30.9	Peak	Horizontal
*	9848.5	34.1	11.6	45.7	74.0	-28.3	Peak	Horizontal
*	13597.0	34.1	13.9	48.0	74.0	-26.0	Peak	Horizontal
	4901.5	37.8	2.7	40.5	74.0	-33.5	Peak	Vertical
	7451.5	34.6	8.0	42.7	74.0	-31.3	Peak	Vertical
*	10384.0	33.9	12.3	46.2	74.0	-27.8	Peak	Vertical
*	13546.0	31.8	13.9	45.7	74.0	-28.3	Peak	Vertical

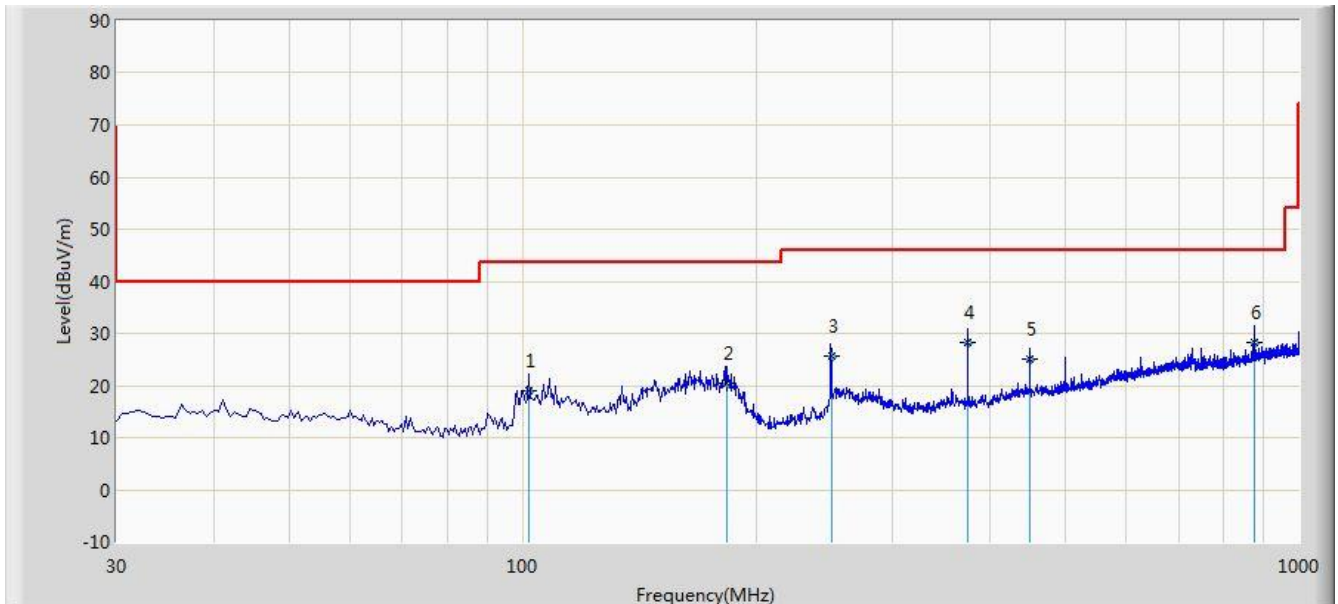
Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (98.1dBμV/m) or 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/11/30 - 07:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Worst Case Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	



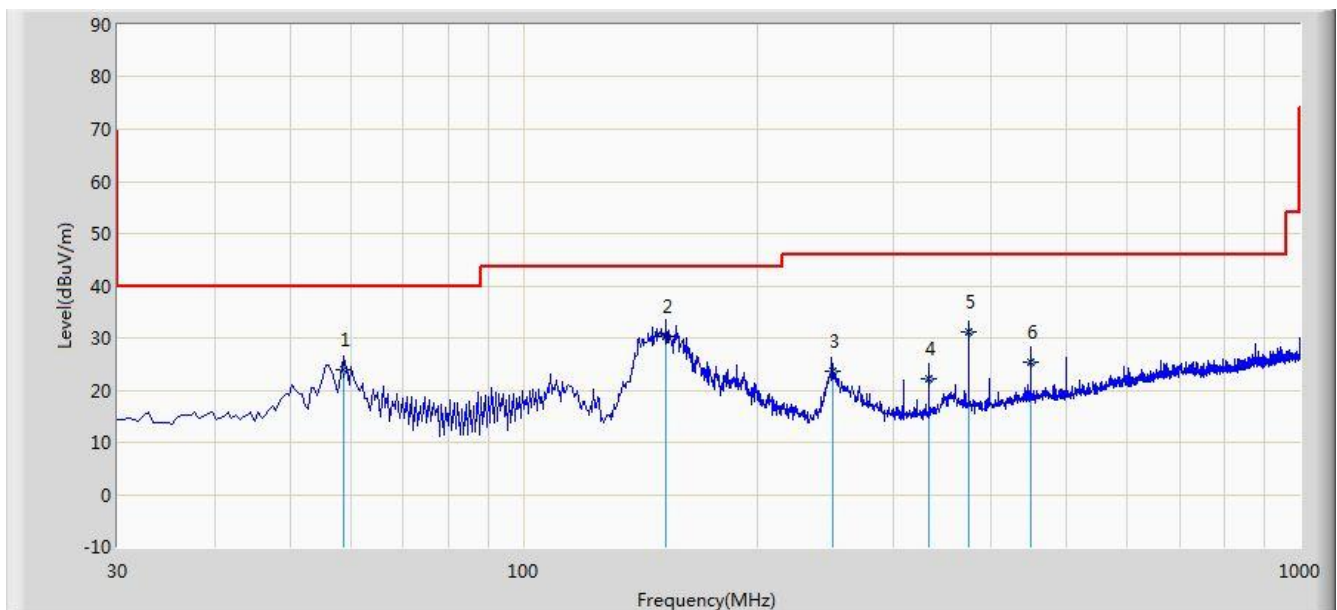
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			101.780	19.095	7.950	-24.405	43.500	11.145	QP
2			183.480	20.492	8.100	-23.008	43.500	12.393	QP
3			250.100	25.583	12.650	-20.417	46.000	12.933	QP
4			375.200	28.157	12.150	-17.843	46.000	16.007	QP
5			450.000	24.941	7.120	-21.059	46.000	17.821	QP
6		*	875.200	28.326	4.320	-17.674	46.000	24.005	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: 2017/11/30 - 07:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Worst Case Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			58.615	24.048	10.590	-15.952	40.000	13.458	QP
2		*	152.705	30.367	15.180	-13.133	43.500	15.188	QP
3			250.010	23.530	10.600	-22.470	46.000	12.930	QP
4			332.640	22.228	7.090	-23.772	46.000	15.138	QP
5			375.010	31.263	15.260	-14.737	46.000	16.003	QP
6			450.000	25.471	7.650	-20.529	46.000	17.821	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 Limit

For 15.205 requirement:

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

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
¹ 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.25 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	(²)
13.36-13.41	--	--	--

For RSS-Gen Section 8.10 Requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

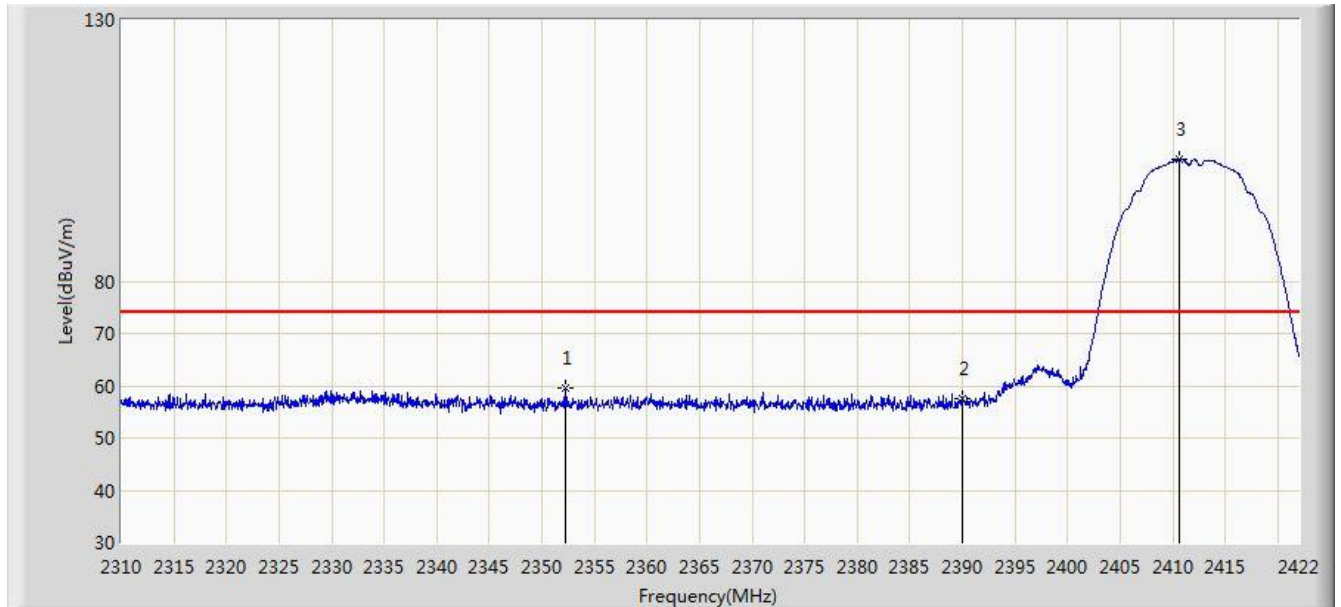
Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.009 ~ 0.110	240 ~ 285	9.0 ~ 9.2
2.1735 ~ 2.1905	322 ~ 335.4	9.3 ~ 9.5
3.020 ~ 3.026	399.9 ~ 410	10.6 ~ 12.7
4.125 ~ 4.128	608 ~ 614	13.25 ~ 13.4
4.17725 ~ 4.17775	960 ~ 1427	14.47 ~ 14.5
4.20725 ~ 4.20775	1435 ~ 1626.5	15.35 ~ 16.2
5.677 ~ 5.683	1645.5 ~ 1646.5	17.7 ~ 21.4
6.215 ~ 6.218	1660 ~ 1710	22.01 ~ 23.12
6.26775 ~ 6.26825	1718.8 ~1722.2	23.6 ~ 24.0
6.31175 ~ 6.31225	2200 ~ 2300	31.2 ~ 31.8
8.291 ~ 8.294	2310 ~ 2390	36.43 ~ 36.5
8.362 ~ 8.366	2655 ~ 2900	Above 38.6
8.37625 ~ 8.38675	3260 ~ 3267	--
8.41425 ~ 8.41475	3332 ~ 3339	
12.29 ~ 12.293	334.5 ~ 3358	
12.51975 ~ 12.52025	3500 ~ 4400	
12.57675 ~ 12.57725	4500 ~ 5150	
13.36 ~13.41	5350 ~ 5460	
16.42 ~ 16.423	7250 ~ 7750	
16.69475 ~ 16.69525	8025 ~ 8500	
16.80425 ~ 16.80475	--	
25.5 ~ 25.67		
37.5 ~ 38.25		
73 ~ 74.6		
74.8 ~ 75.2		
108 ~ 138		
156.52475 ~ 156.525225		
156.7 ~ 156.9		

Note: *Certain frequency bands listed in Table 6 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to the devices are set out in the 200- and 300-series of RSSs, such as RSS-210 and RSS-310, which contain the

requirements that apply to licence-exempt radio apparatus.

7.7.2.Test Result

Site: AC1	Time: 2017/11/30 - 02:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

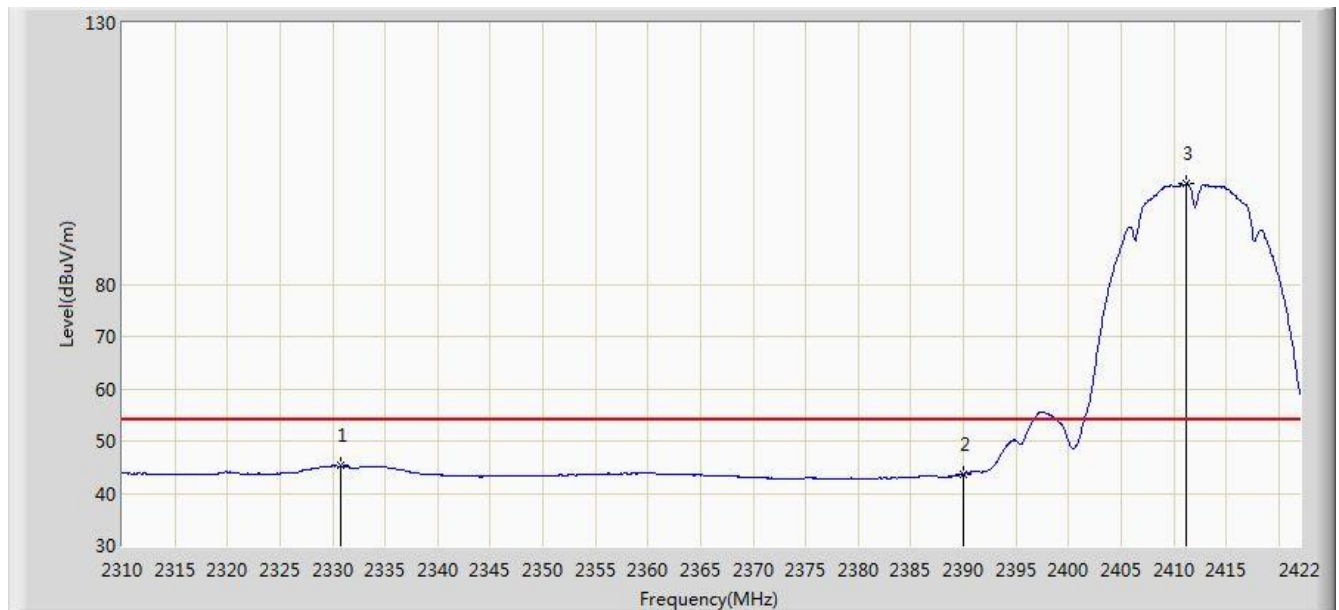


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2352.224	59.442	28.158	-14.558	74.000	31.284	PK
2			2390.000	57.450	26.247	-16.550	74.000	31.203	PK
3		*	2410.632	103.236	72.064	N/A	N/A	31.172	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

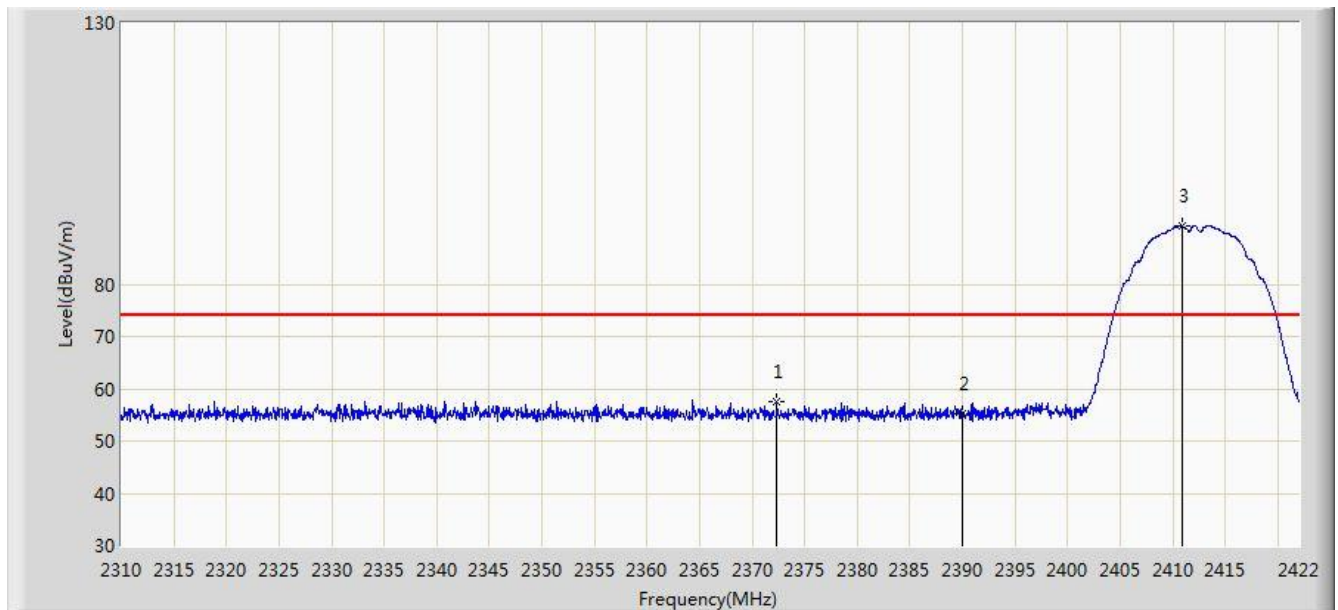


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2330.720	45.228	13.855	-8.772	54.000	31.372	AV
2			2390.000	43.628	12.425	-10.372	54.000	31.203	AV
3		*	2411.136	99.205	68.034	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

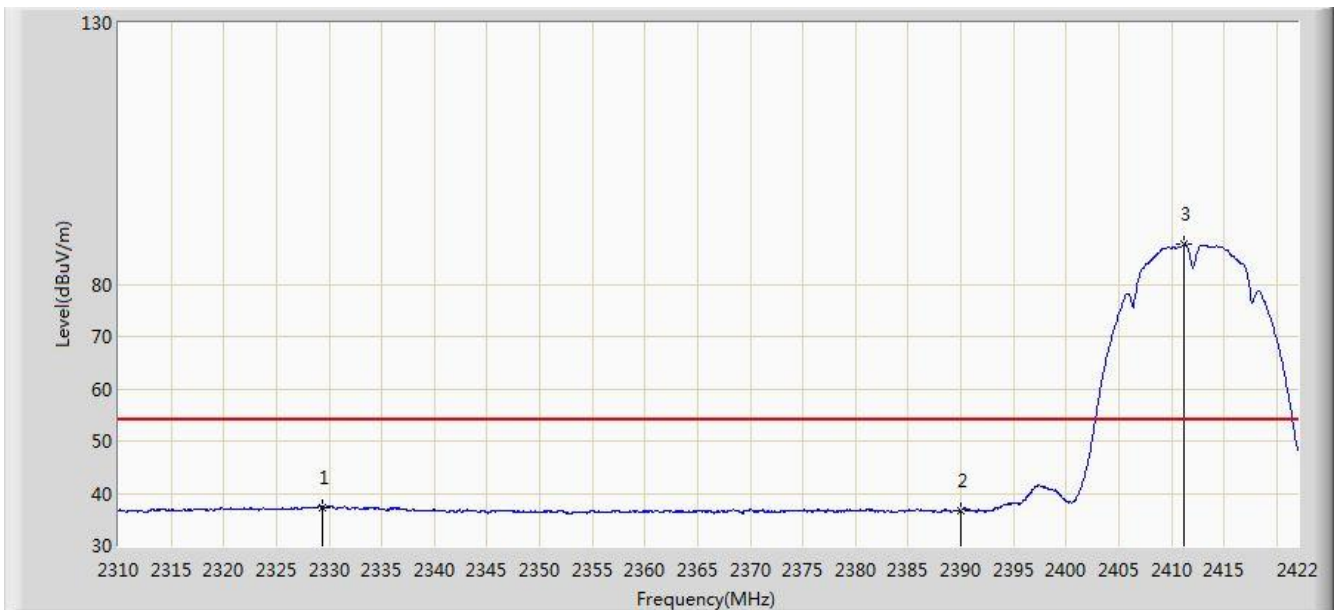


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2372.384	57.633	26.398	-16.367	74.000	31.236	PK
2			2390.000	55.262	24.059	-18.738	74.000	31.203	PK
3		*	2410.968	91.049	59.878	N/A	N/A	31.171	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

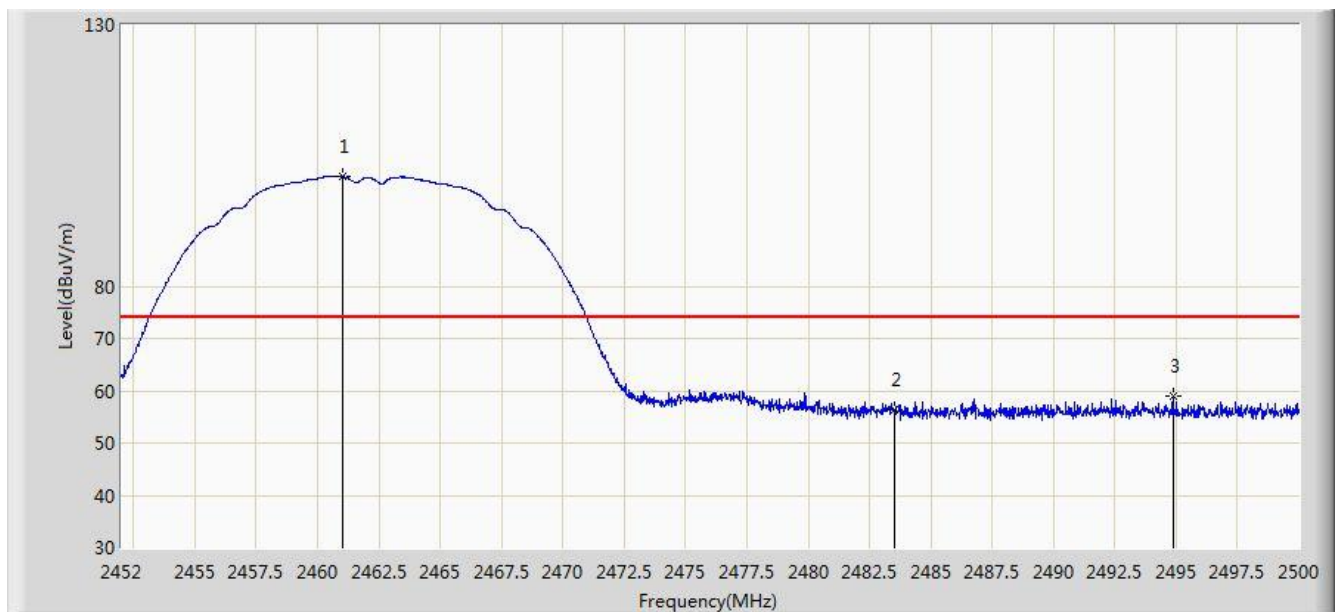


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2329.320	37.373	5.994	-16.627	54.000	31.379	AV
2			2390.000	36.644	5.441	-17.356	54.000	31.203	AV
3		*	2411.248	87.636	56.465	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.000	100.969	69.835	N/A	N/A	31.133	PK
2			2483.500	56.310	25.117	-17.690	74.000	31.194	PK
3			2494.864	58.843	27.620	-15.157	74.000	31.223	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	

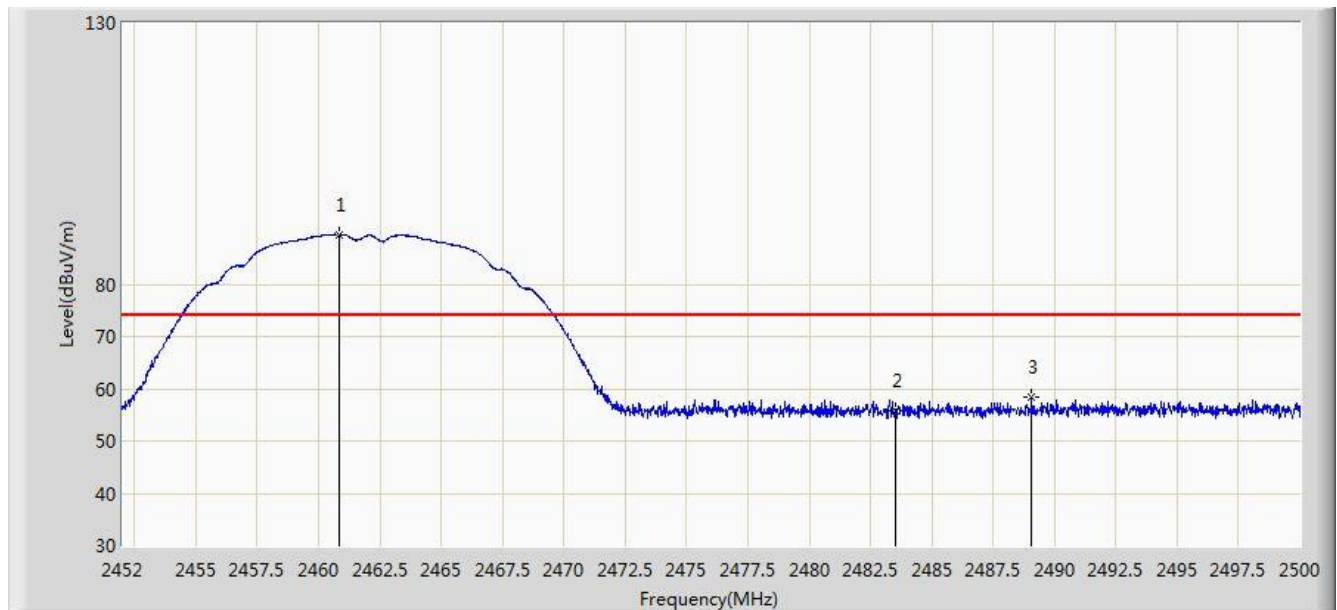


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	97.107	65.973	N/A	N/A	31.134	AV
2			2483.500	42.406	11.213	-11.594	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.856	89.530	58.397	N/A	N/A	31.133	PK
2			2483.500	55.734	24.541	-18.266	74.000	31.194	PK
3			2489.080	58.321	27.113	-15.679	74.000	31.208	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	

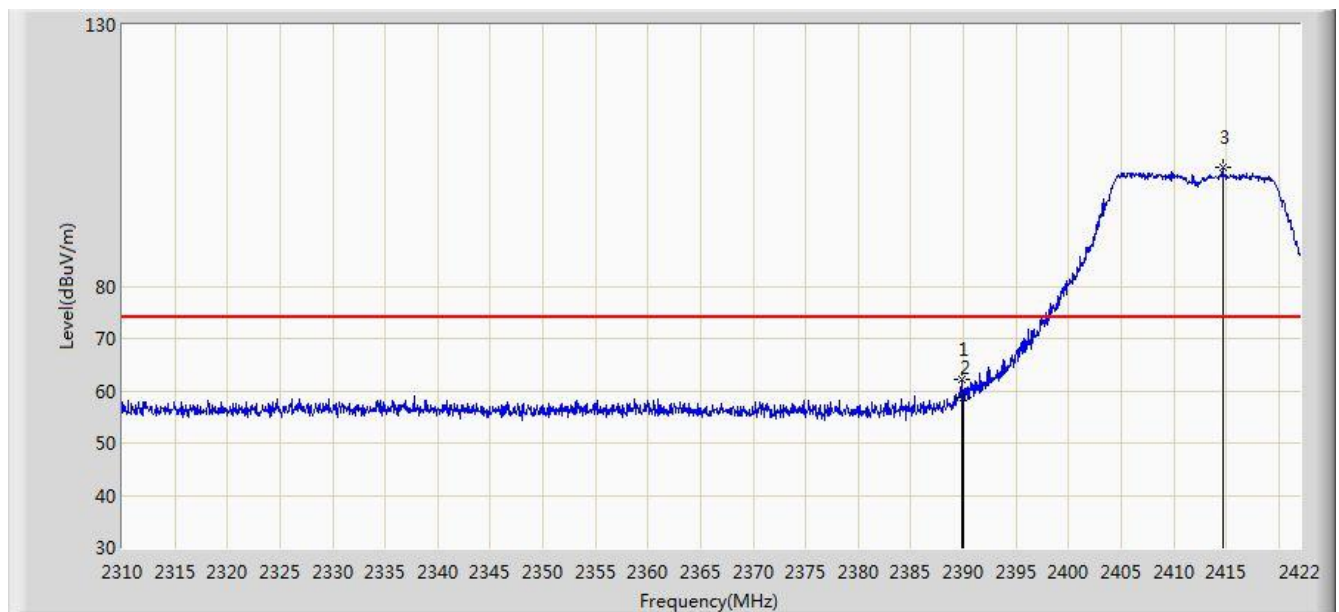


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.264	86.075	54.941	N/A	N/A	31.134	AV
2			2483.500	37.248	6.055	-16.752	54.000	31.194	AV
3			2490.784	37.424	6.212	-16.576	54.000	31.213	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

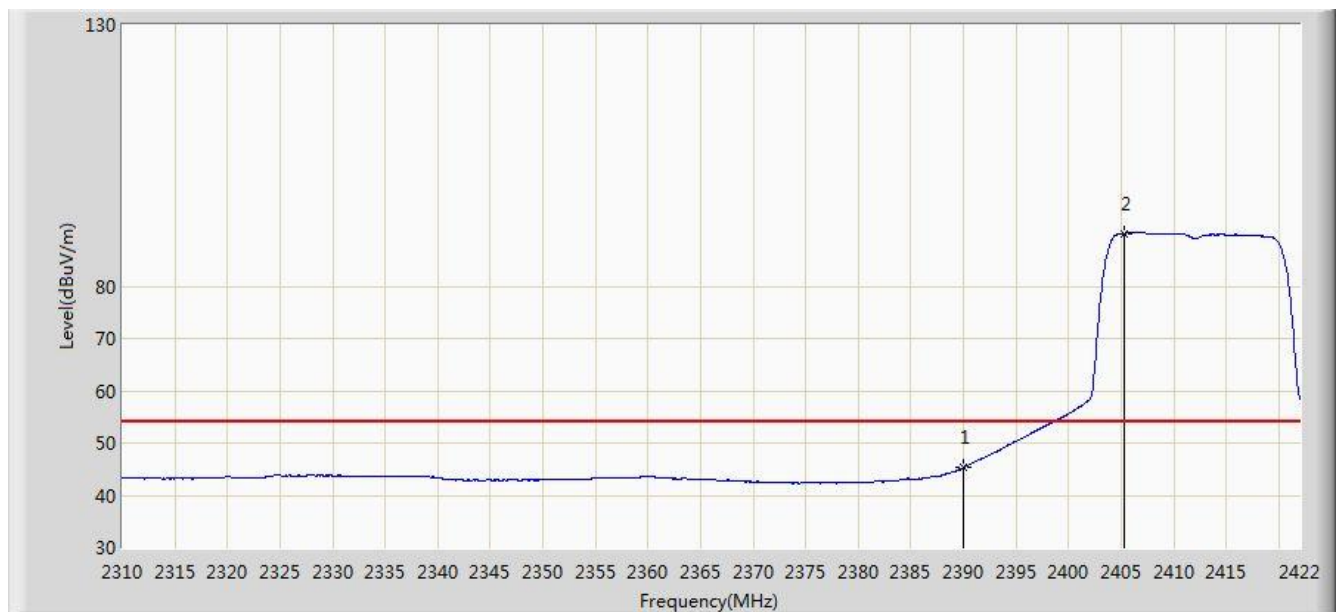


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.912	62.062	30.859	-11.938	74.000	31.203	PK
2			2390.000	58.652	27.449	-15.348	74.000	31.203	PK
3		*	2414.664	102.761	71.596	N/A	N/A	31.165	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

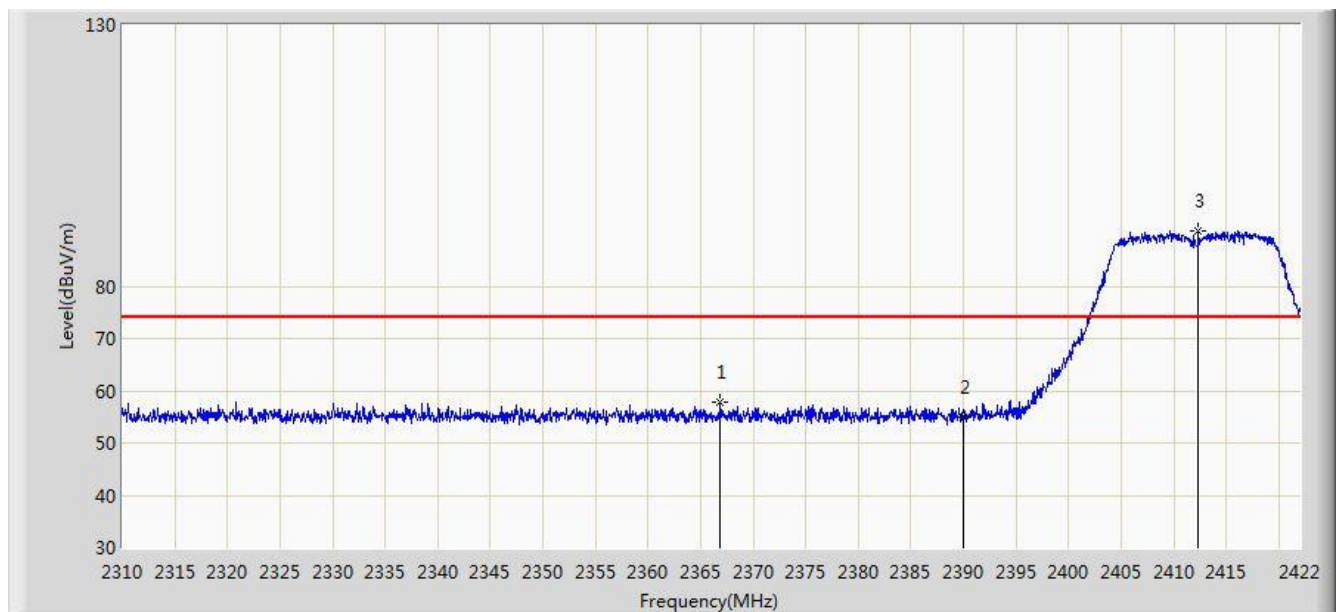


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.302	14.099	-8.698	54.000	31.203	AV
2		*	2405.368	90.139	58.960	N/A	N/A	31.179	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

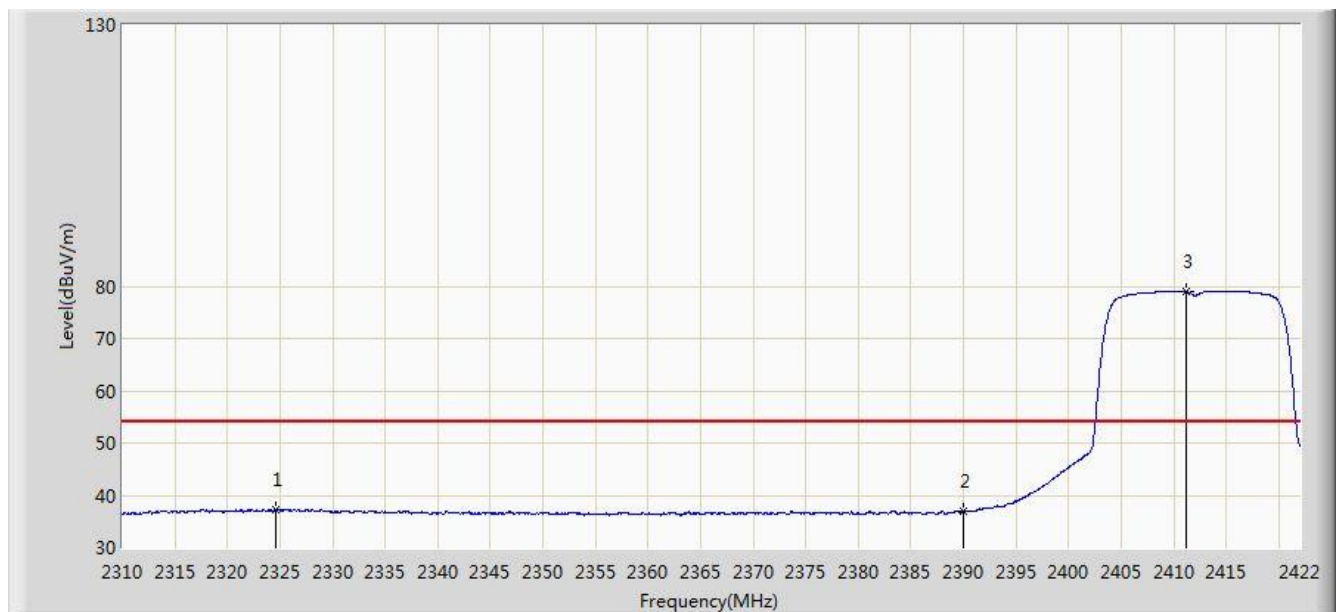


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2366.896	57.735	26.489	-16.265	74.000	31.246	PK
2			2390.000	54.802	23.599	-19.198	74.000	31.203	PK
3		*	2412.312	90.562	59.393	N/A	N/A	31.169	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

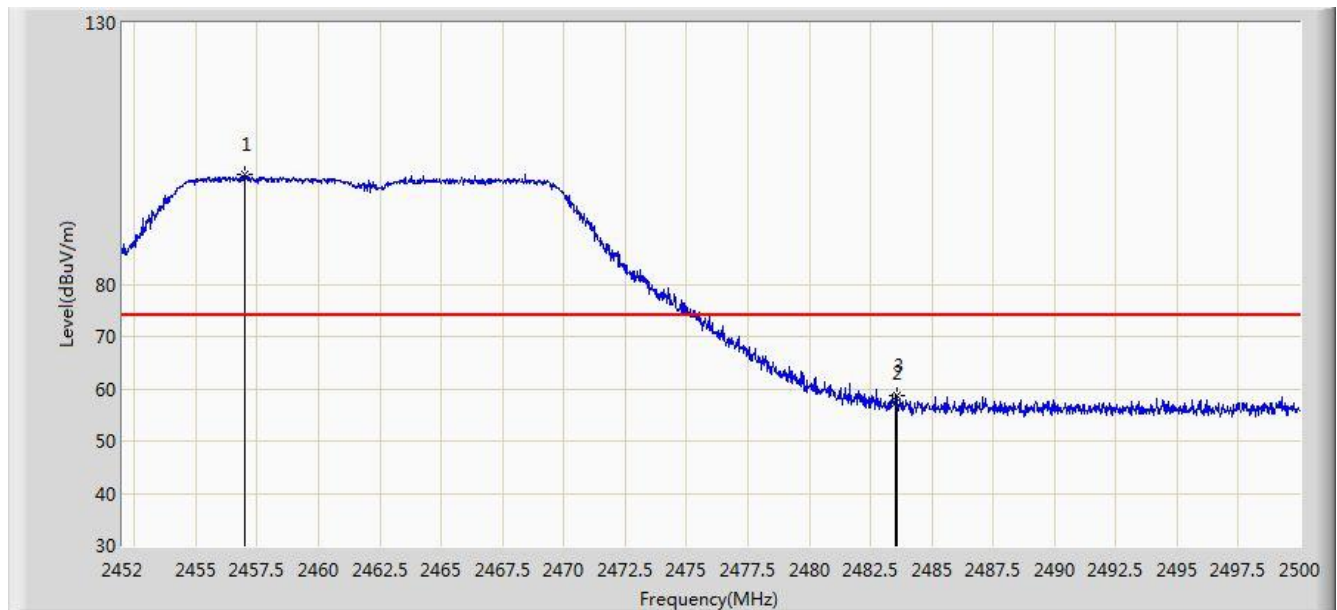


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2324.560	37.147	5.747	-16.853	54.000	31.400	AV
2			2390.000	36.860	5.657	-17.140	54.000	31.203	AV
3		*	2411.136	78.944	47.773	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

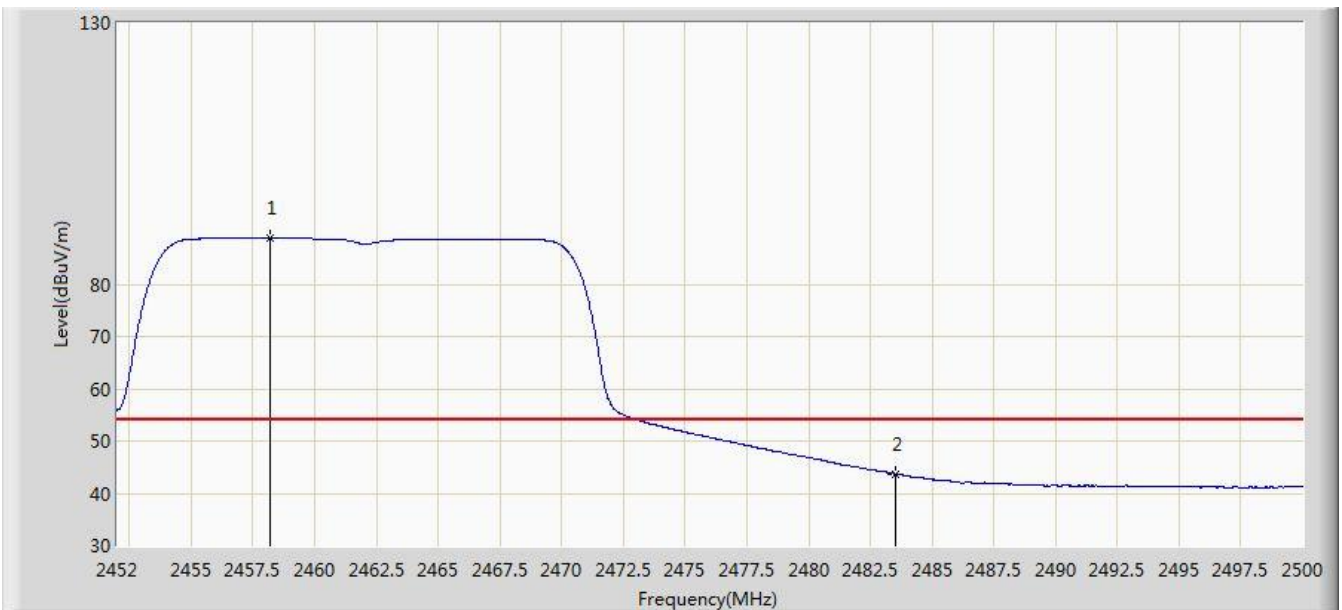


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.016	101.145	70.019	N/A	N/A	31.127	PK
2			2483.500	57.152	25.959	-16.848	74.000	31.194	PK
3			2483.584	58.838	27.644	-15.162	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/11/30 - 02:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

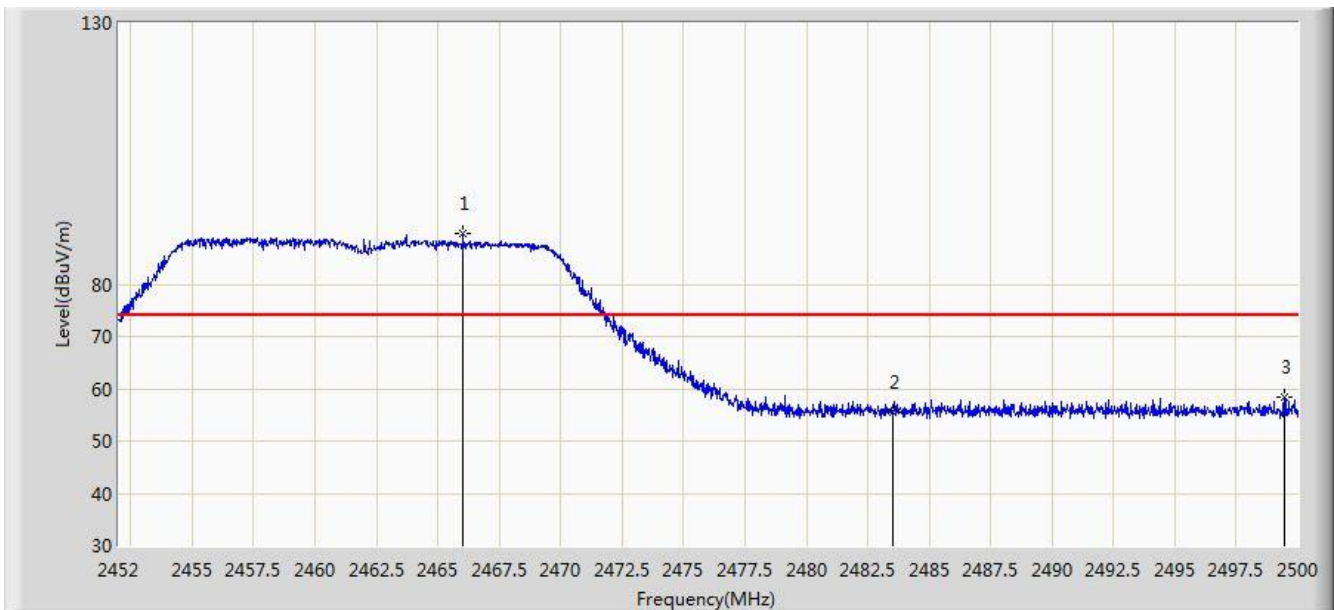


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.168	88.824	57.695	N/A	N/A	31.129	AV
2			2483.500	43.731	12.538	-10.269	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 02:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

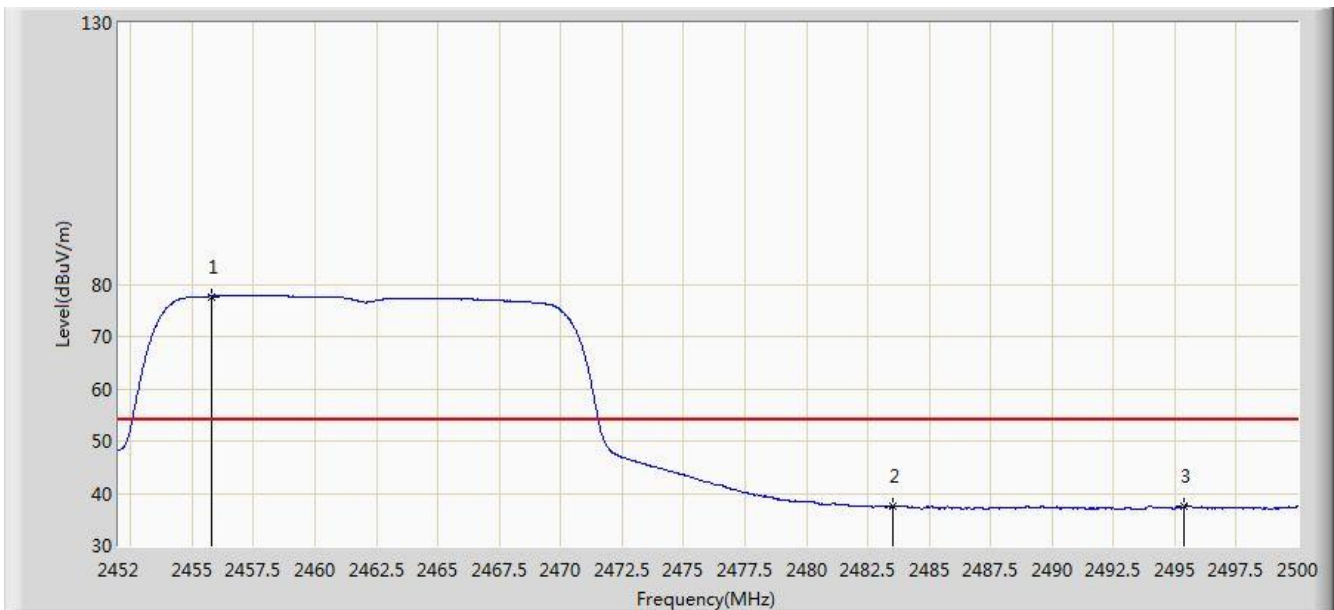


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.016	89.591	58.446	N/A	N/A	31.145	PK
2			2483.500	55.474	24.281	-18.526	74.000	31.194	PK
3			2499.448	58.287	27.052	-15.713	74.000	31.235	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

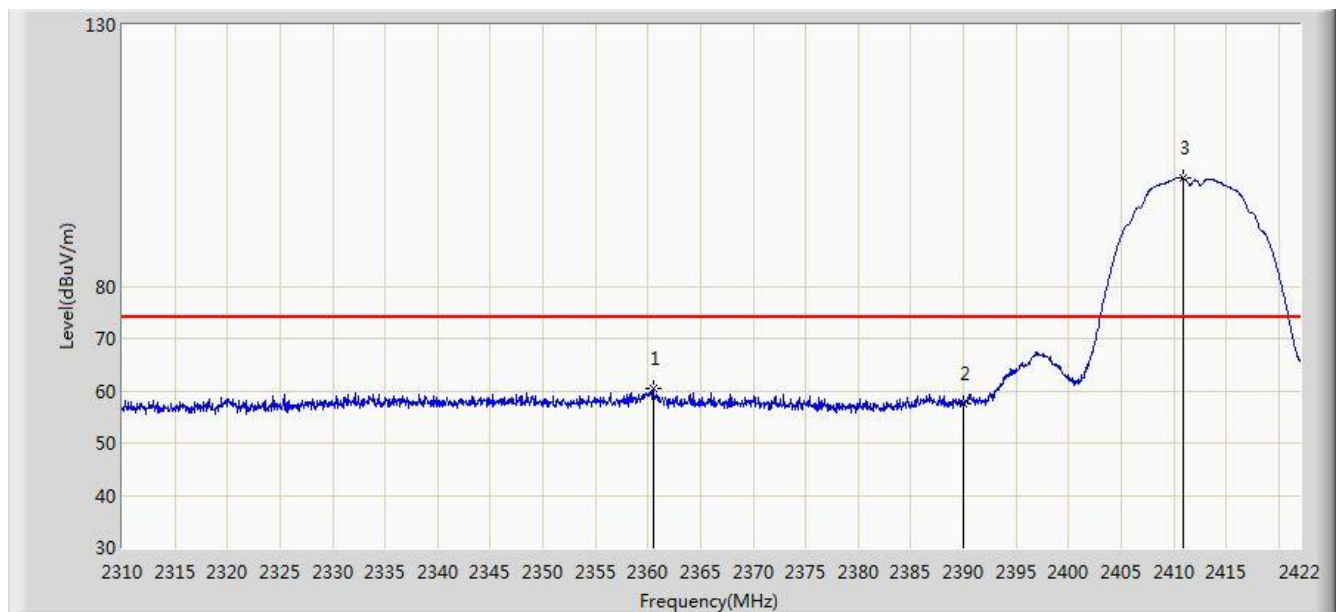


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.792	77.674	46.550	N/A	N/A	31.125	AV
2			2483.500	37.480	6.287	-16.520	54.000	31.194	AV
3			2495.392	37.649	6.424	-16.351	54.000	31.224	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

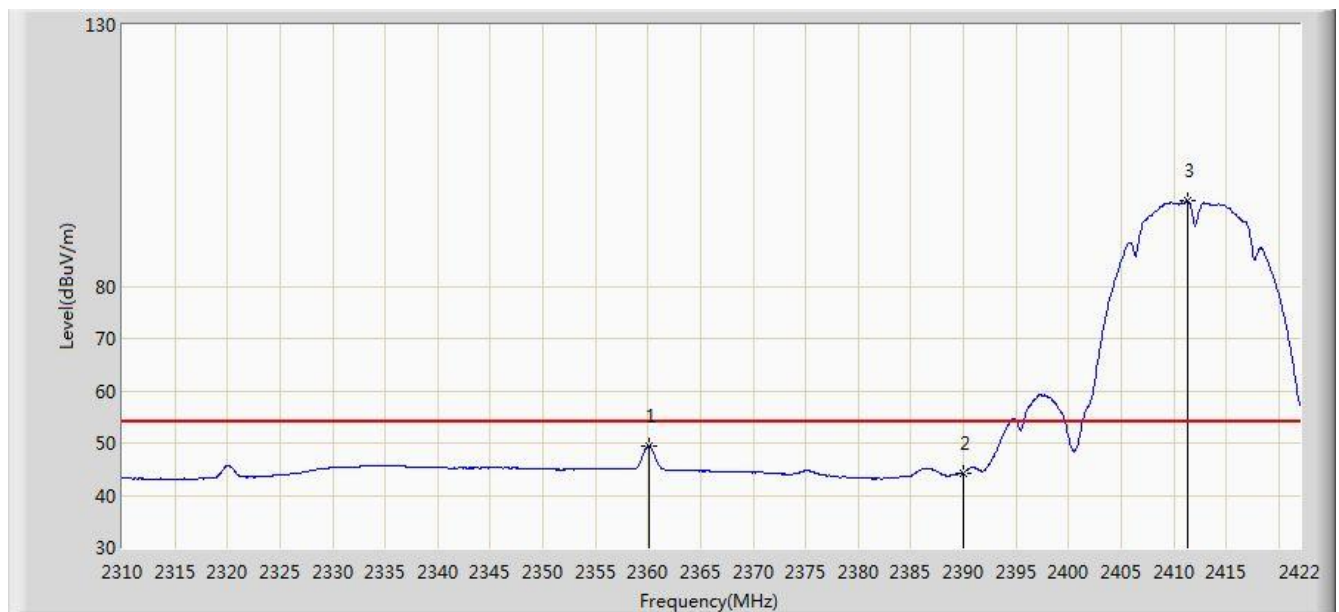


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.512	60.425	29.167	-13.575	74.000	31.257	PK
2			2390.000	57.458	26.255	-16.542	74.000	31.203	PK
3		*	2410.968	100.655	69.484	N/A	N/A	31.171	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

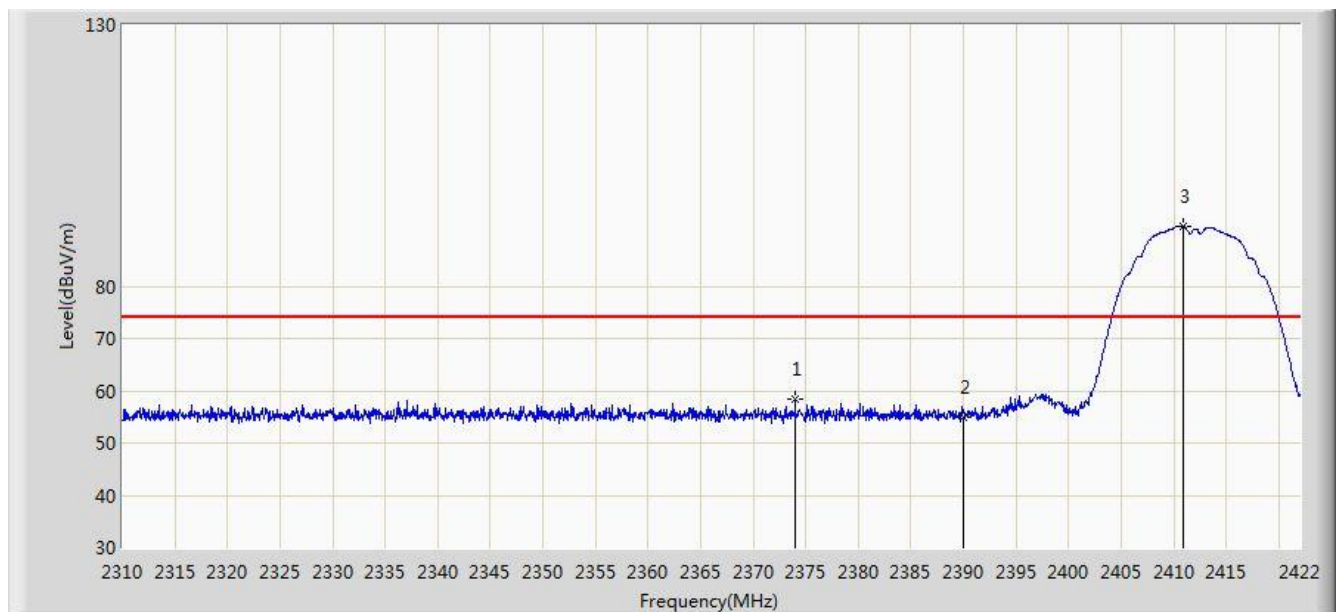


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.120	49.418	18.159	-4.582	54.000	31.258	AV
2			2390.000	44.278	13.075	-9.722	54.000	31.203	AV
3		*	2411.304	96.324	65.153	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

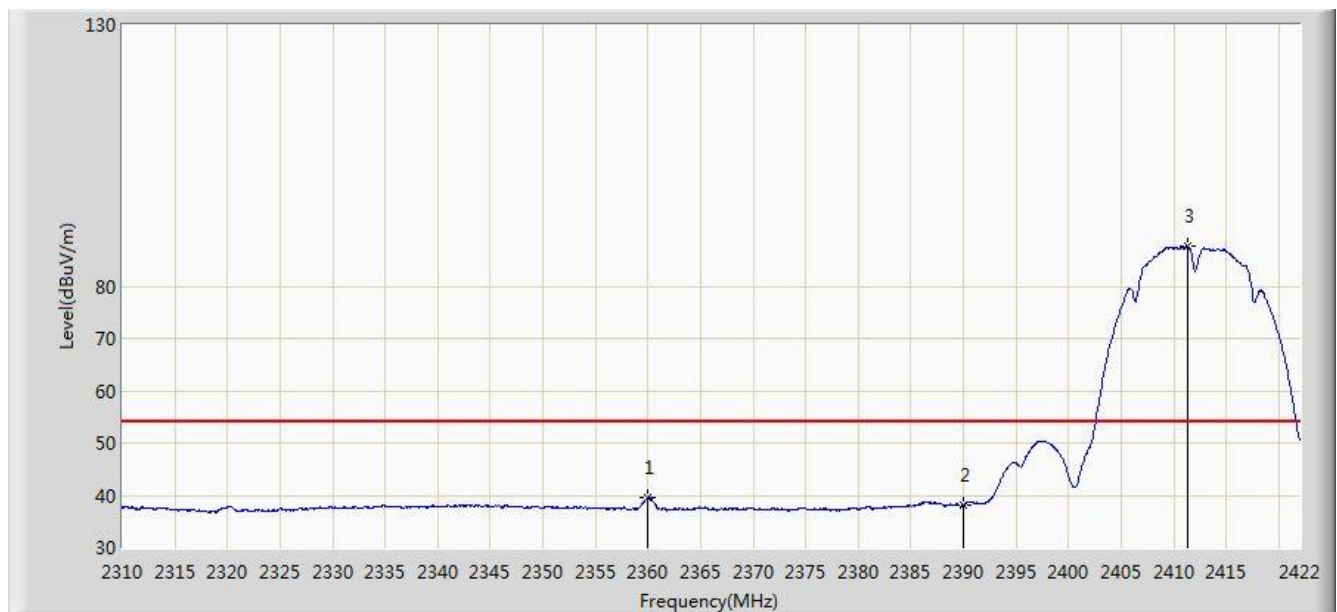


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2374.008	58.427	27.195	-15.573	74.000	31.232	PK
2			2390.000	54.814	23.611	-19.186	74.000	31.203	PK
3		*	2410.968	91.348	60.177	N/A	N/A	31.171	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 1	

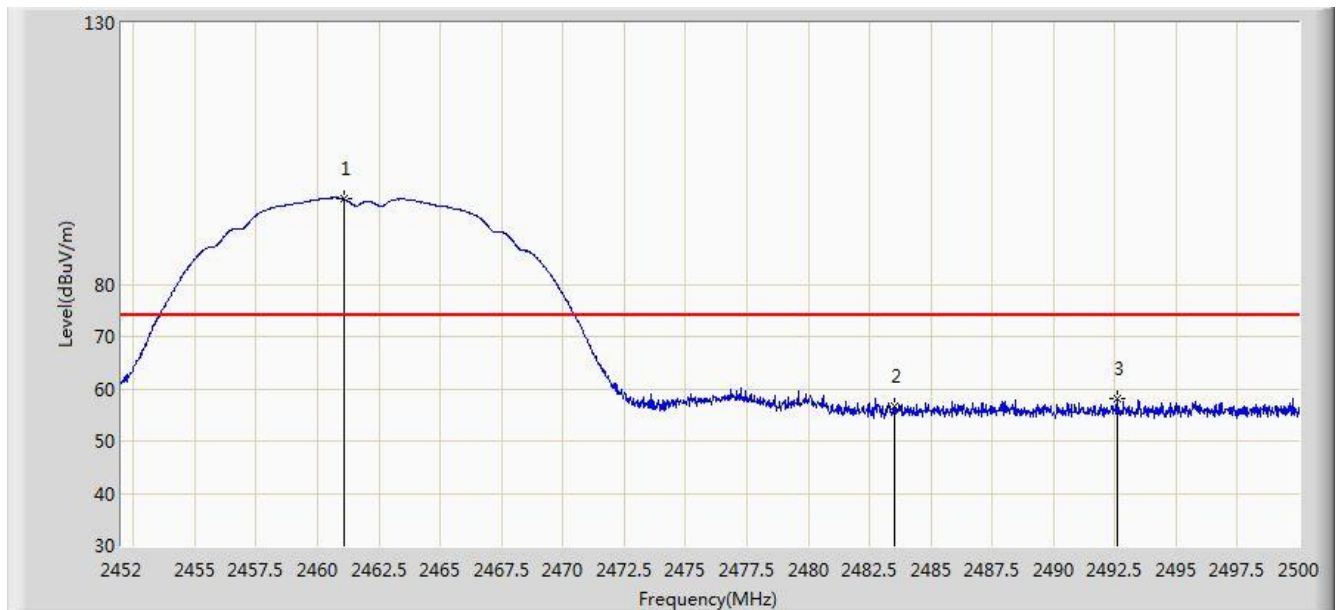


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.008	39.506	8.247	-14.494	54.000	31.259	AV
2			2390.000	38.163	6.960	-15.837	54.000	31.203	AV
3		*	2411.304	87.699	56.528	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.072	96.329	65.195	N/A	N/A	31.134	PK
2			2483.500	56.534	25.341	-17.466	74.000	31.194	PK
3			2492.584	58.020	26.803	-15.980	74.000	31.217	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

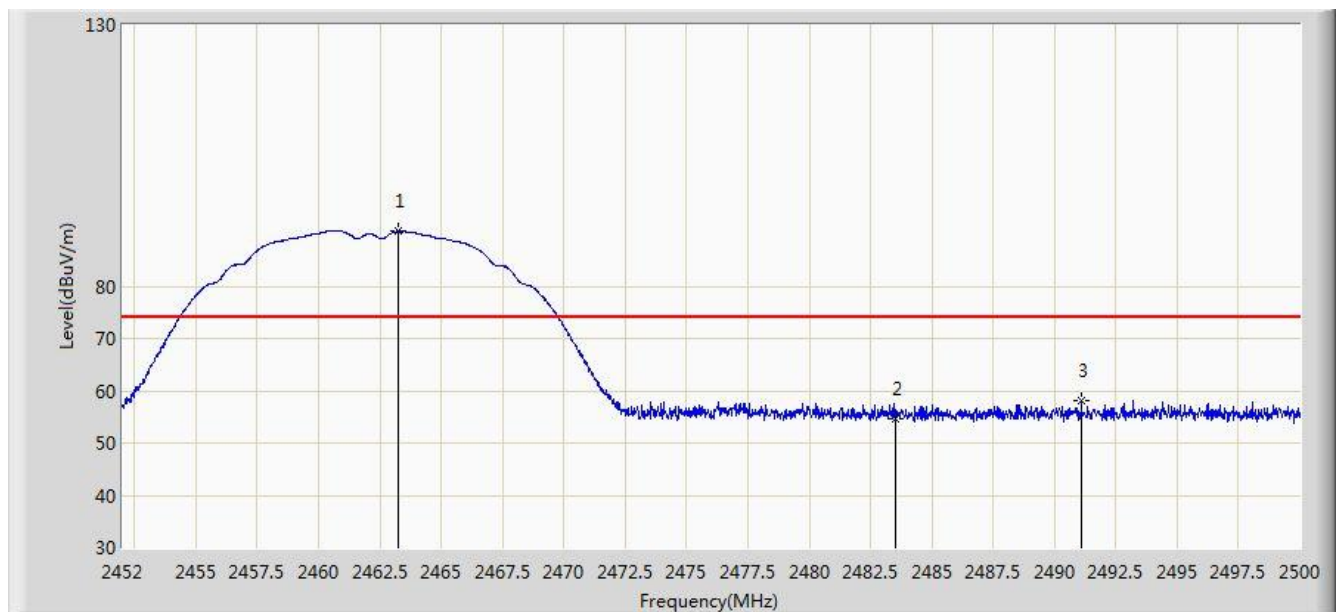


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	92.768	61.634	N/A	N/A	31.134	AV
2			2483.500	39.550	8.357	-14.450	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.256	90.440	59.302	N/A	N/A	31.138	PK
2			2483.500	54.745	23.552	-19.255	74.000	31.194	PK
3			2491.096	58.230	27.017	-15.770	74.000	31.213	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 1	

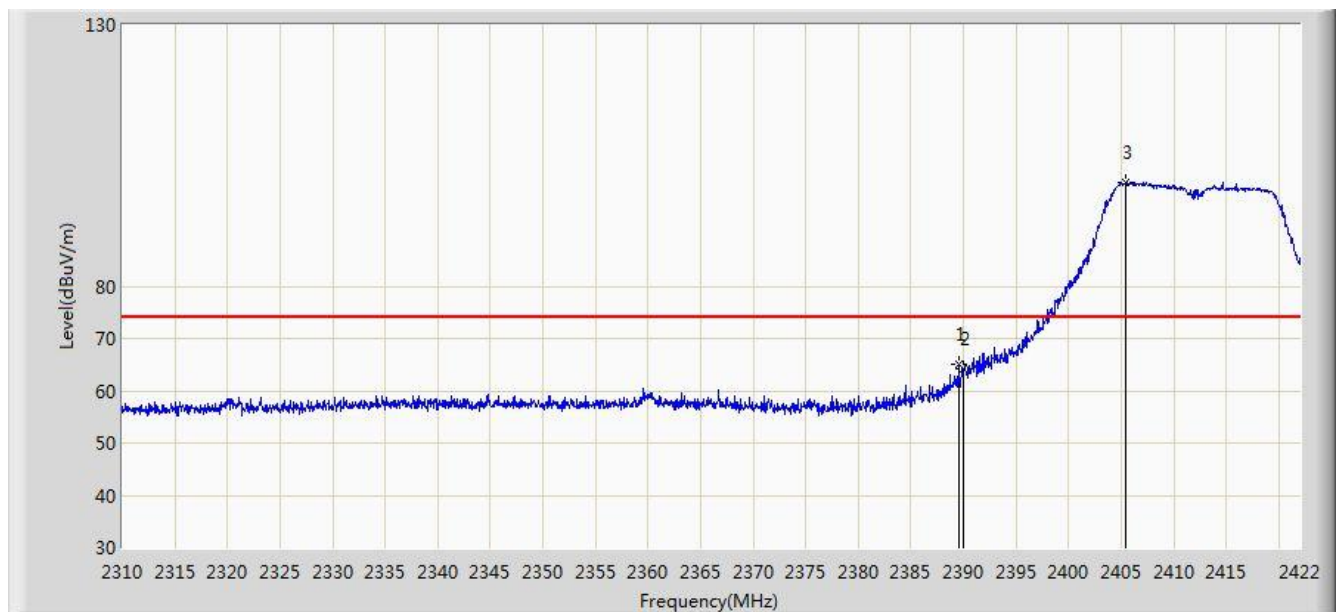


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	87.096	55.962	N/A	N/A	31.134	AV
2			2483.500	37.204	6.011	-16.796	54.000	31.194	AV
3			2485.048	37.305	6.108	-16.695	54.000	31.197	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

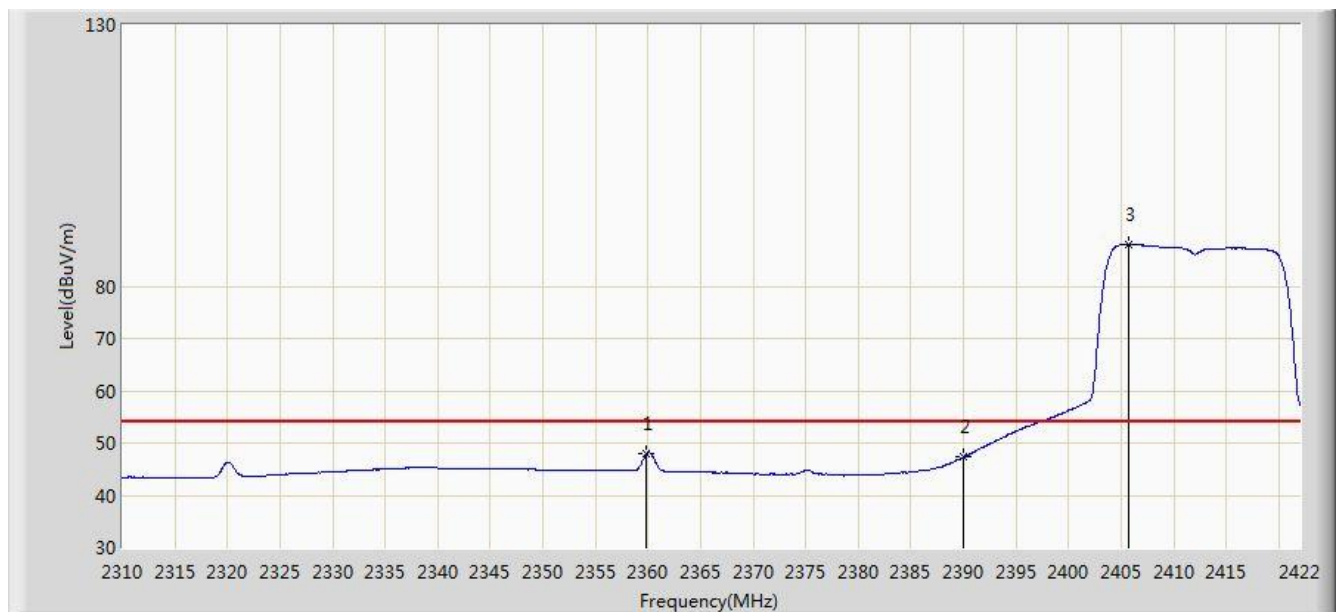


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.520	65.168	33.964	-8.832	74.000	31.204	PK
2			2390.000	64.105	32.902	-9.895	74.000	31.203	PK
3		*	2405.480	99.880	68.701	N/A	N/A	31.179	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

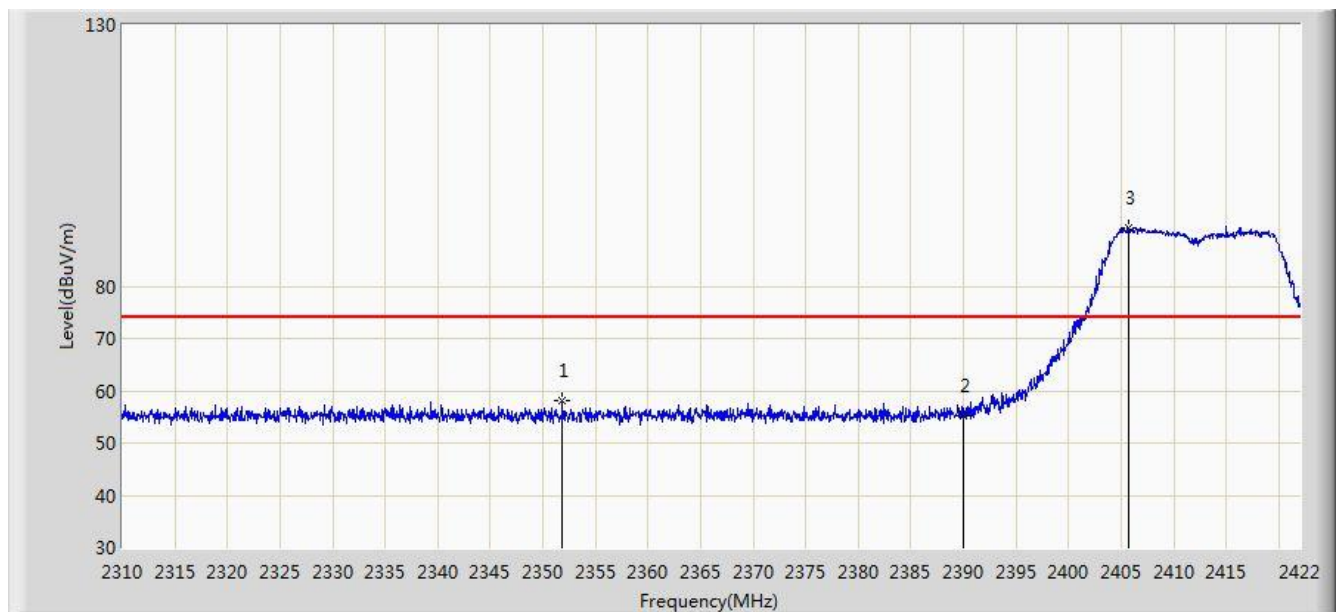


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2359.840	47.889	16.630	-6.111	54.000	31.259	AV
2			2390.000	47.273	16.070	-6.727	54.000	31.203	AV
3		*	2405.760	87.987	56.808	N/A	N/A	31.178	AV

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

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

aSite: AC1	Time: 2017/11/30 - 03:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

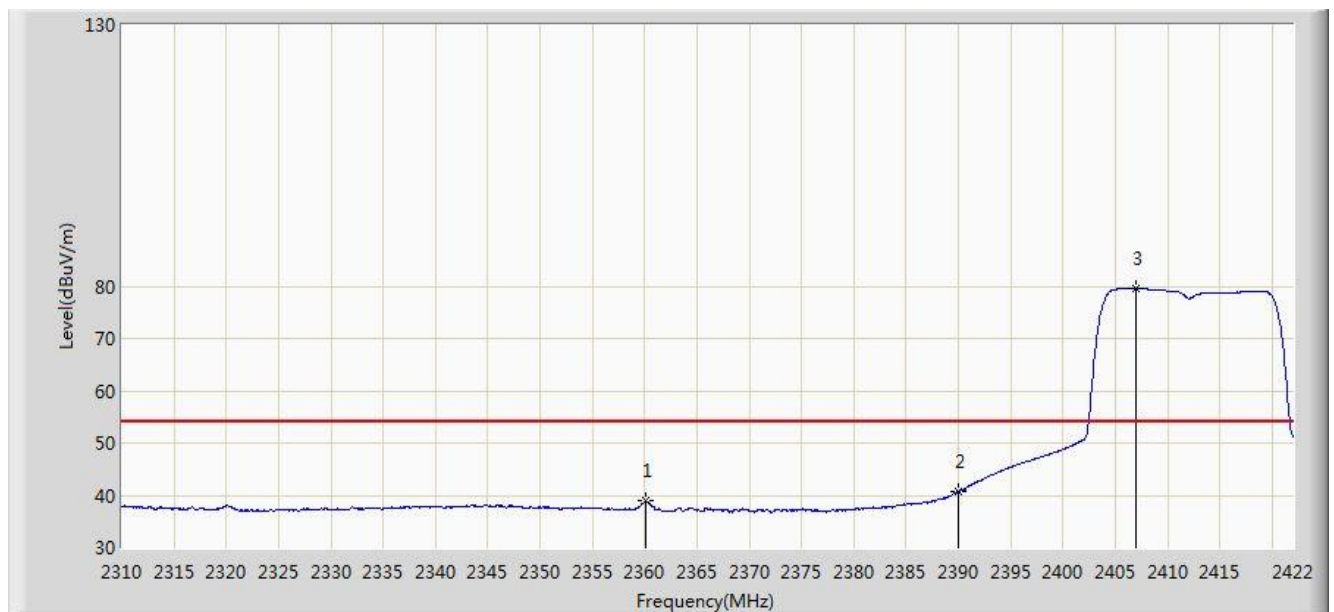


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2351.888	58.157	26.872	-15.843	74.000	31.285	PK
2			2390.000	55.229	24.026	-18.771	74.000	31.203	PK
3		*	2405.760	91.074	59.895	N/A	N/A	31.178	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 1	

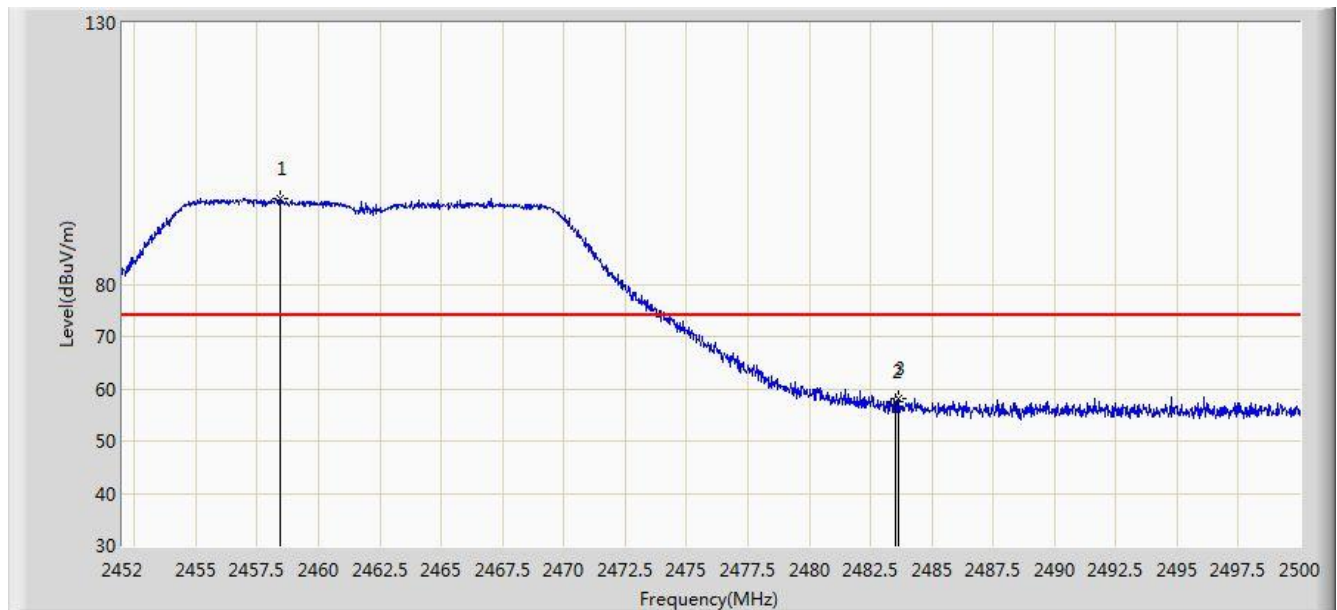


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.064	38.902	7.643	-15.098	54.000	31.259	AV
2			2390.000	40.627	9.424	-13.373	54.000	31.203	AV
3		*	2406.936	79.562	48.385	N/A	N/A	31.177	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

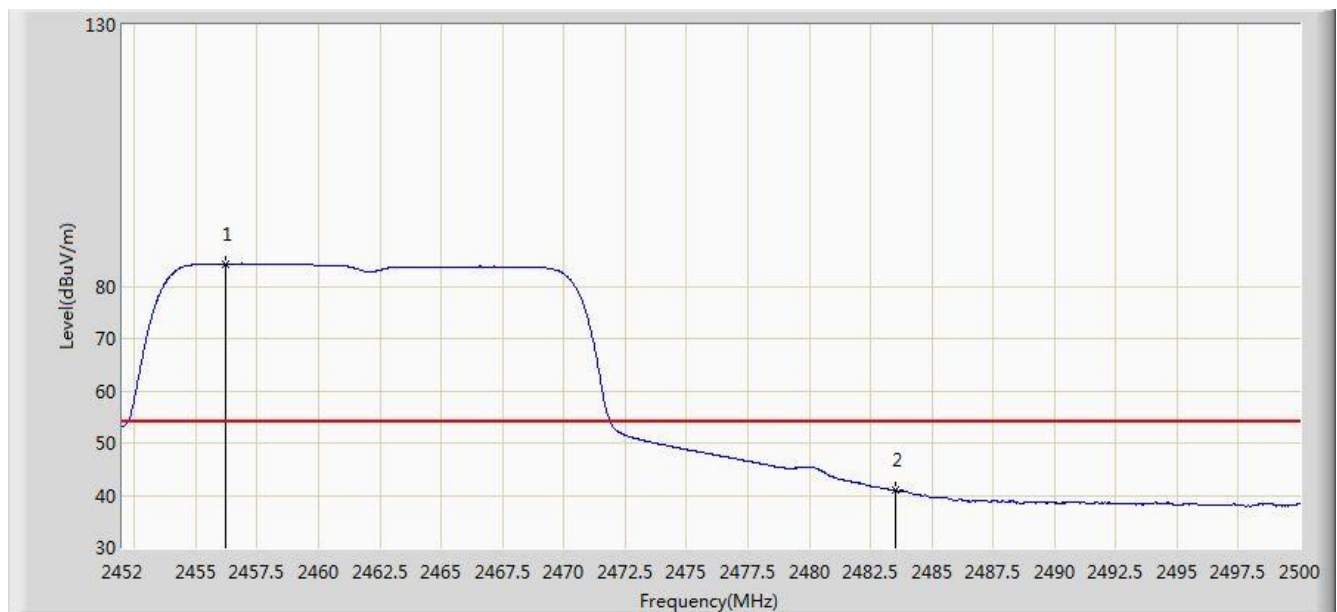


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.408	96.418	65.289	N/A	N/A	31.129	PK
2			2483.500	57.468	26.275	-16.532	74.000	31.194	PK
3			2483.632	58.171	26.977	-15.829	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

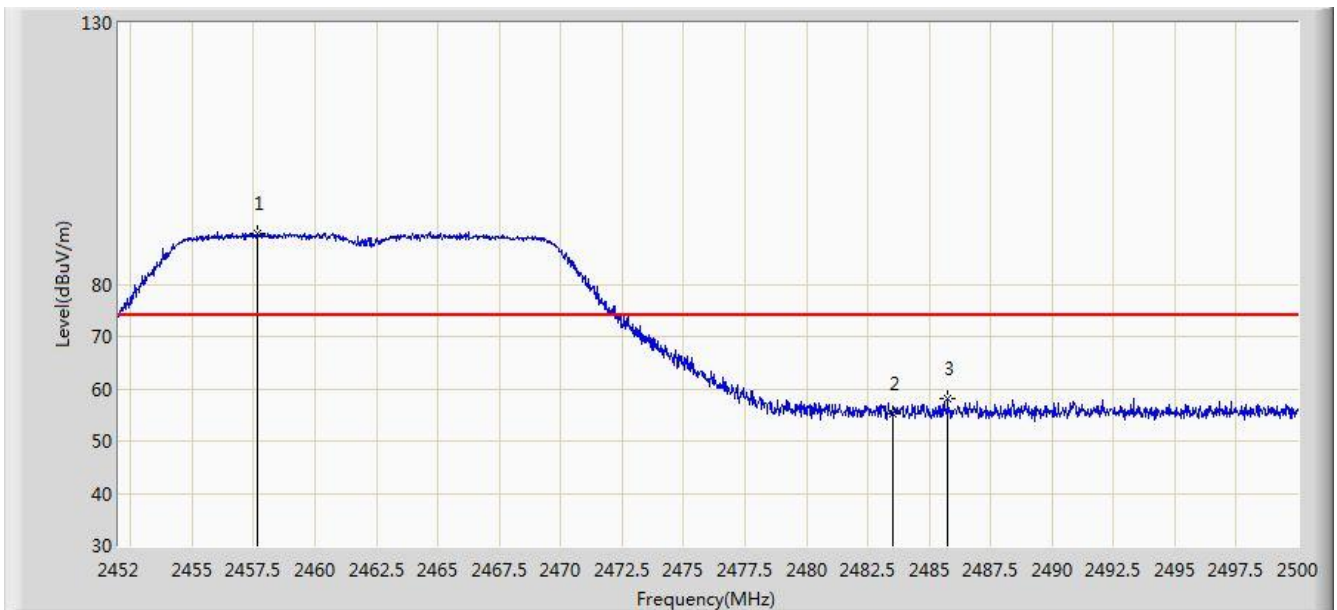


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.224	84.290	53.165	N/A	N/A	31.125	AV
2			2483.500	40.924	9.731	-13.076	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

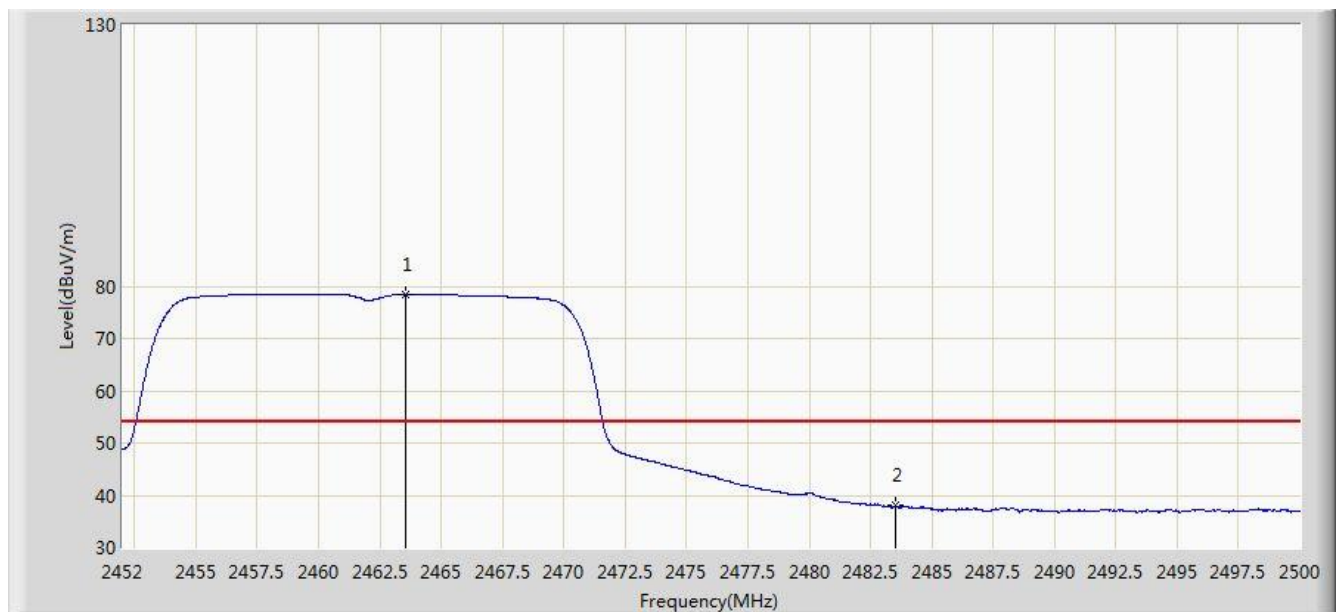


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.664	89.854	58.726	N/A	N/A	31.127	PK
2			2483.500	55.196	24.003	-18.804	74.000	31.194	PK
3			2485.744	58.165	26.966	-15.835	74.000	31.200	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 1	

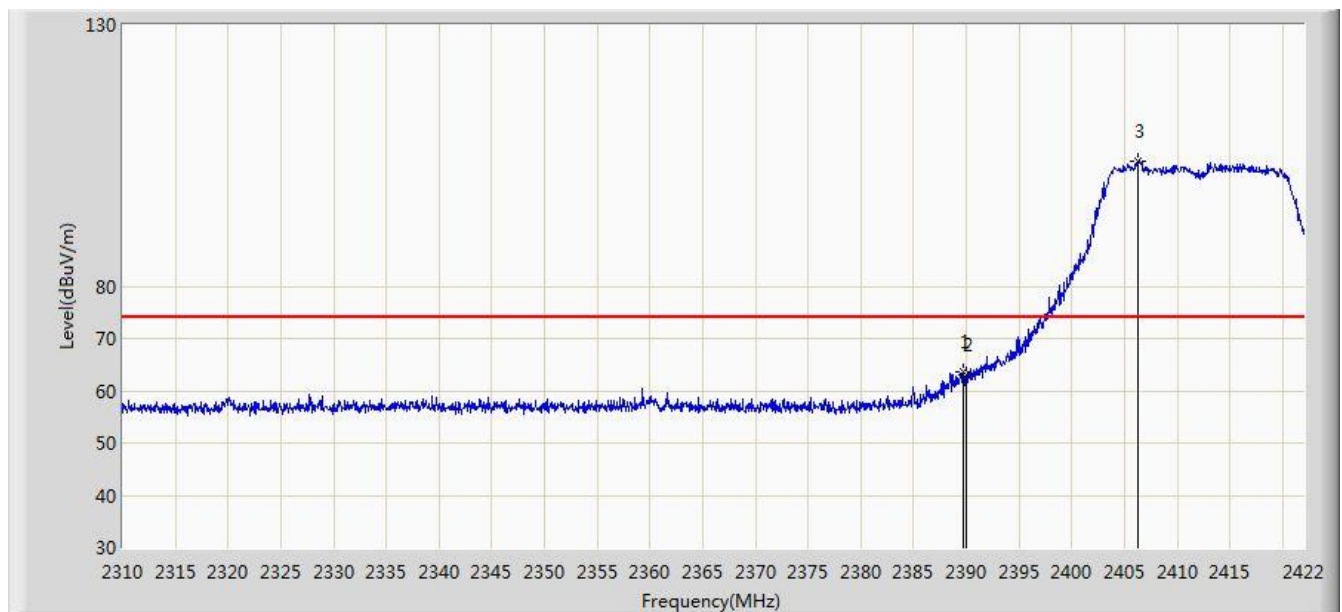


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.544	78.356	47.218	N/A	N/A	31.139	AV
2			2483.500	37.977	6.784	-16.023	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.744	63.646	32.443	-10.354	74.000	31.203	PK
2			2390.000	63.027	31.824	-10.973	74.000	31.203	PK
3		*	2406.320	103.780	72.602	N/A	N/A	31.178	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

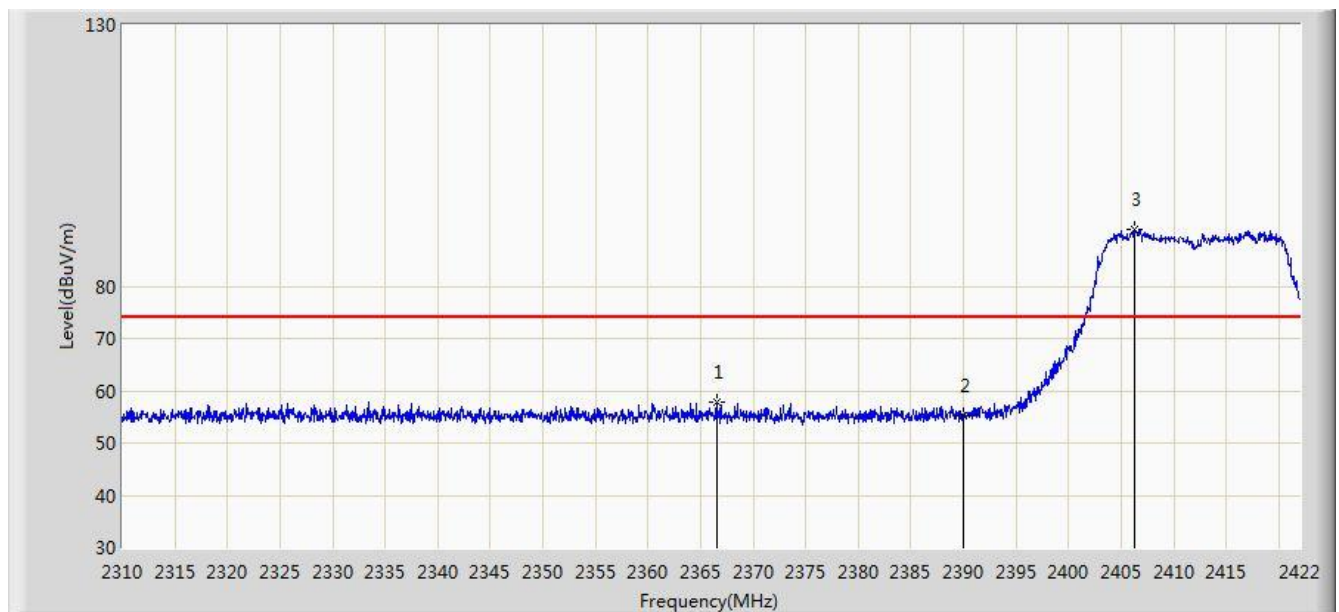


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.609	15.406	-7.391	54.000	31.203	AV
2		*	2405.536	87.928	56.749	N/A	N/A	31.179	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

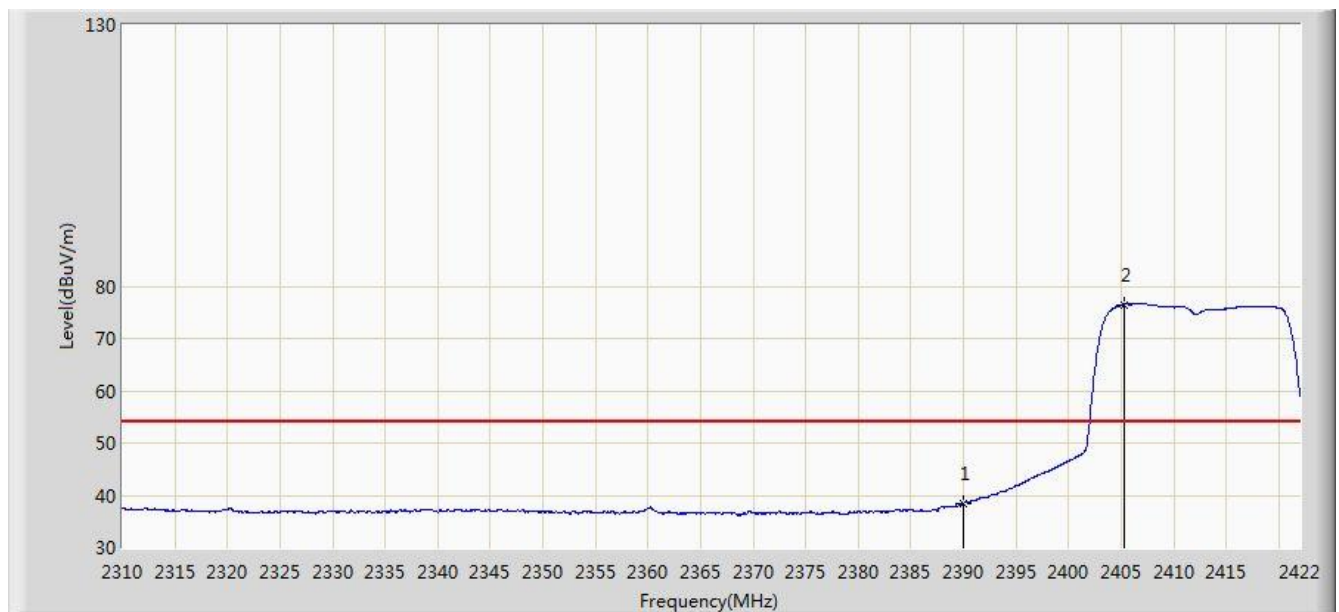


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2366.504	57.879	26.633	-16.121	74.000	31.247	PK
2			2390.000	55.144	23.941	-18.856	74.000	31.203	PK
3		*	2406.264	90.931	59.753	N/A	N/A	31.178	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

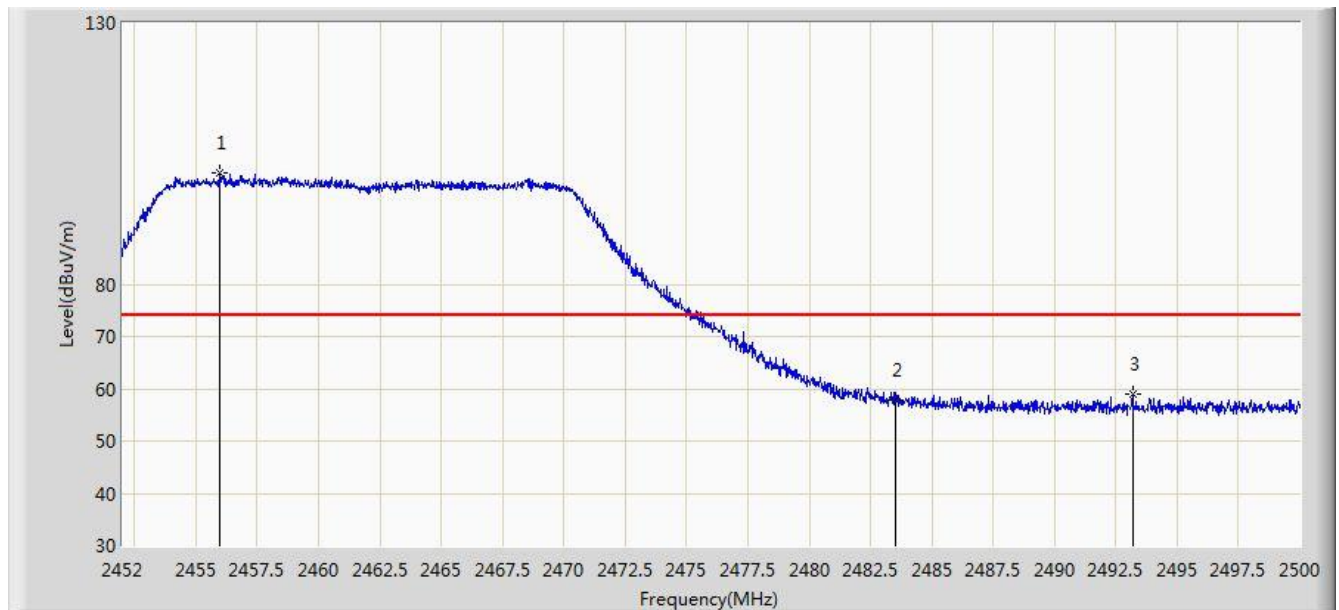


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	38.464	7.261	-15.536	54.000	31.203	AV
2		*	2405.256	76.469	45.290	N/A	N/A	31.180	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

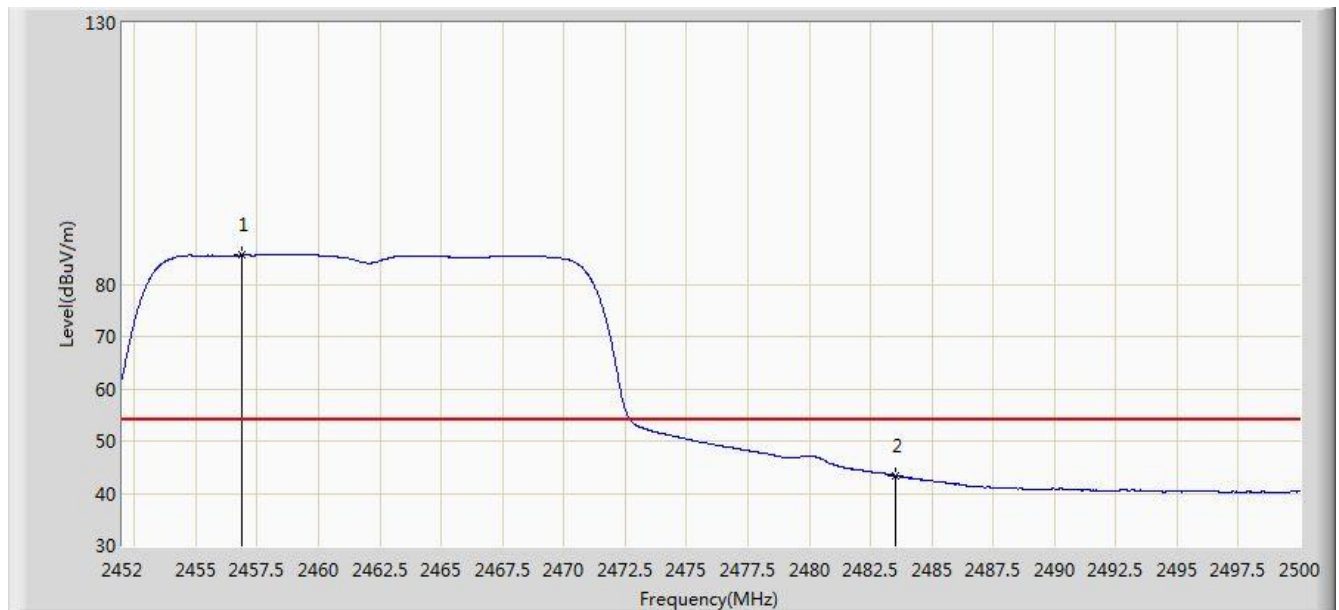


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.984	101.341	70.216	N/A	N/A	31.125	PK
2			2483.520	57.862	26.669	-16.138	74.000	31.194	PK
3			2493.184	58.867	27.648	-15.133	74.000	31.219	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

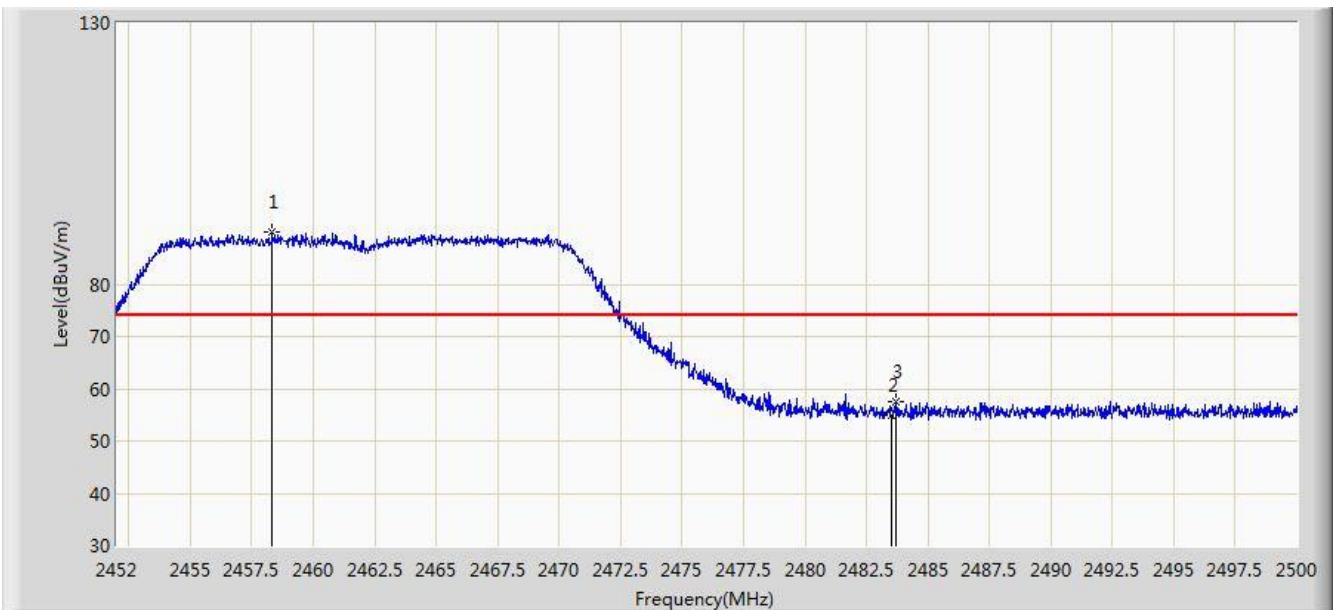


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.896	85.545	54.419	N/A	N/A	31.126	AV
2			2483.500	43.365	12.172	-10.635	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

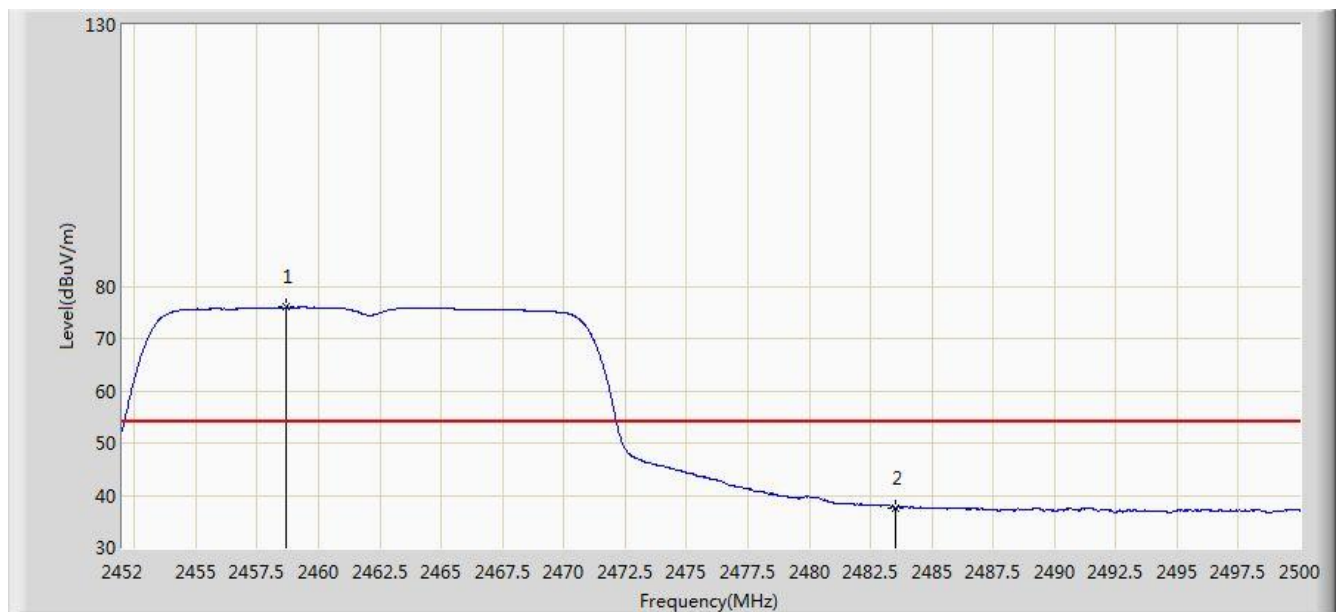


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.336	89.909	58.780	N/A	N/A	31.129	PK
2			2483.500	54.910	23.717	-19.090	74.000	31.194	PK
3			2483.680	57.520	26.326	-16.480	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

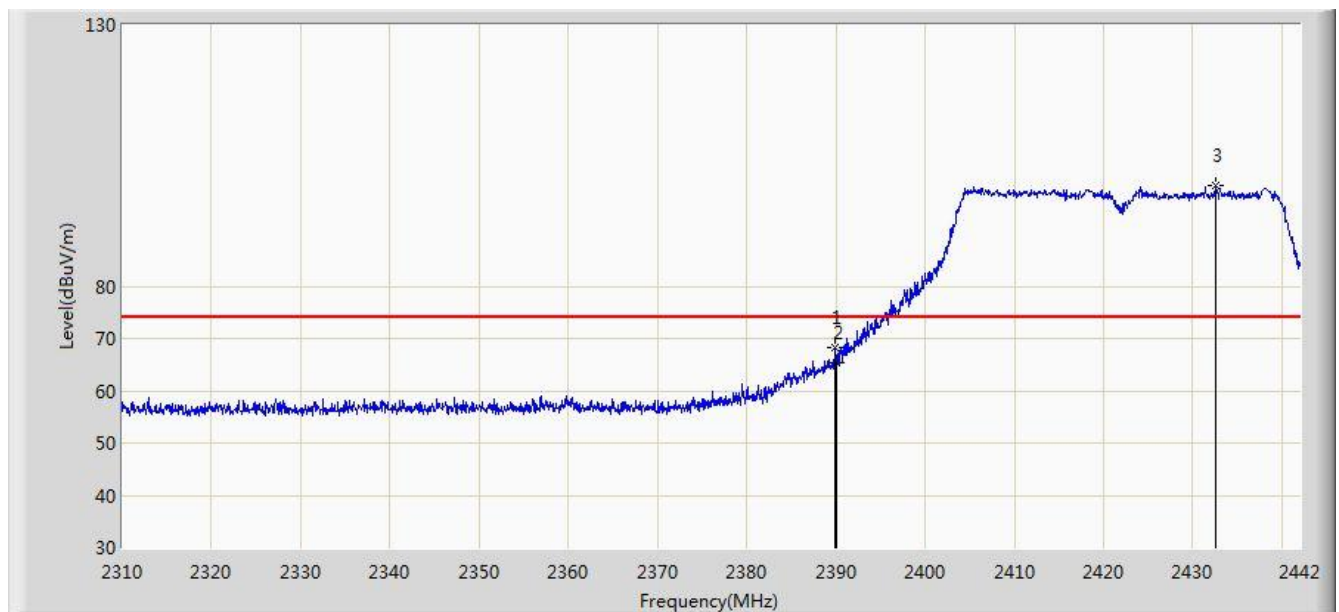


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.696	75.946	44.817	N/A	N/A	31.129	AV
2			2483.500	37.538	6.345	-16.462	54.000	31.194	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

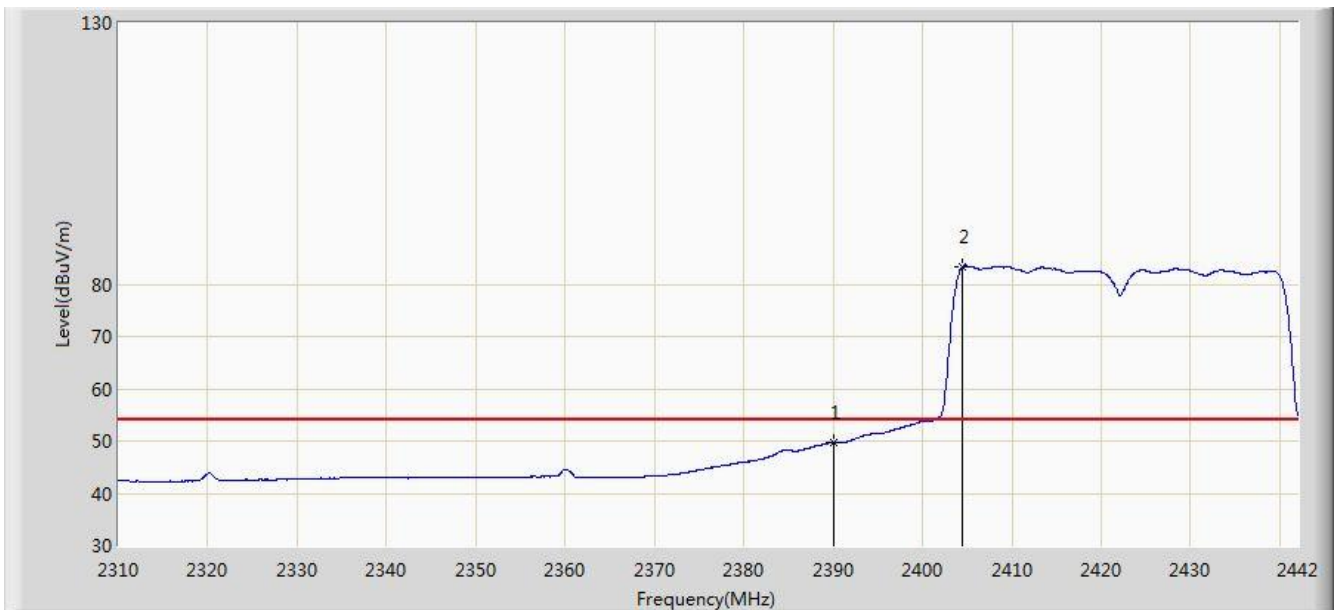


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.926	68.162	36.959	-5.838	74.000	31.203	PK
2			2390.000	65.285	34.082	-8.715	74.000	31.203	PK
3		*	2432.628	99.301	68.168	N/A	N/A	31.133	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

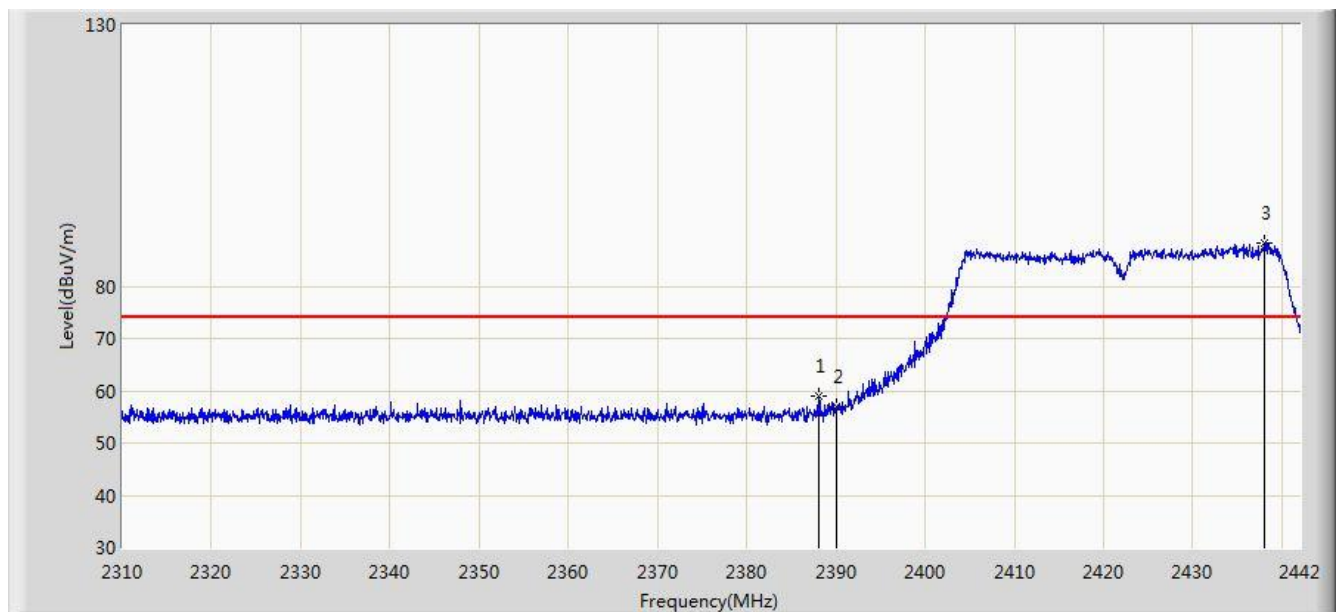


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.658	18.455	-4.342	54.000	31.203	AV
2		*	2404.512	83.320	52.139	N/A	N/A	31.180	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

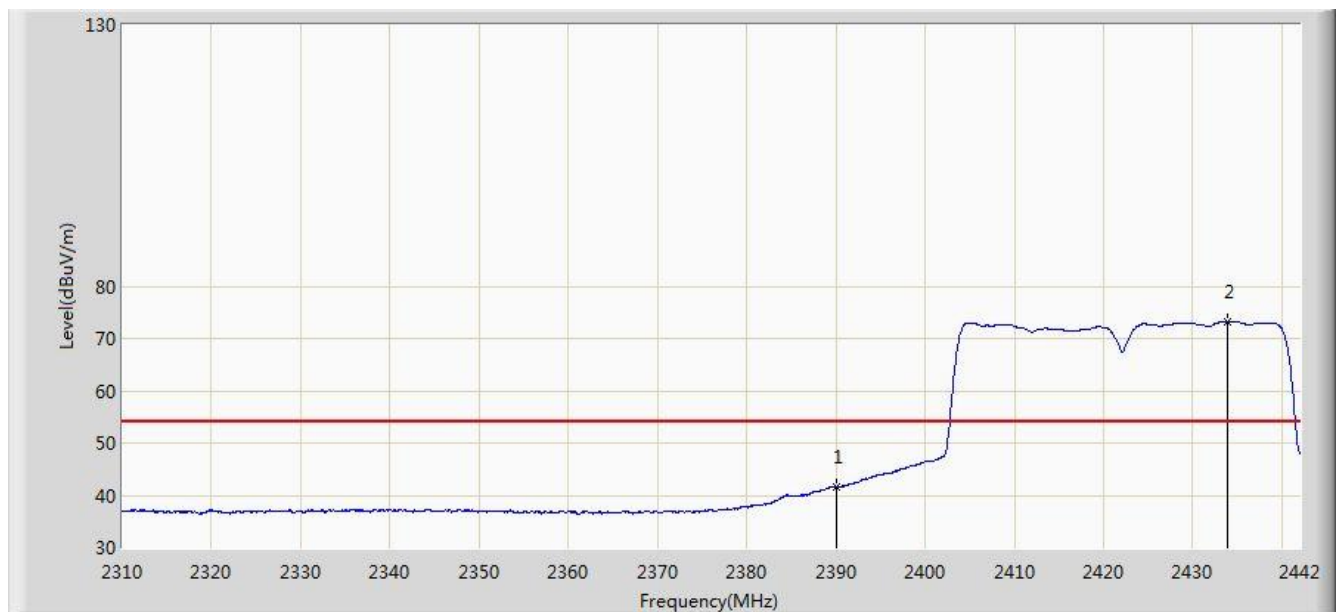


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.144	58.936	27.730	-15.064	74.000	31.207	PK
2			2390.000	56.867	25.664	-17.133	74.000	31.203	PK
3		*	2438.040	88.259	57.137	N/A	N/A	31.123	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

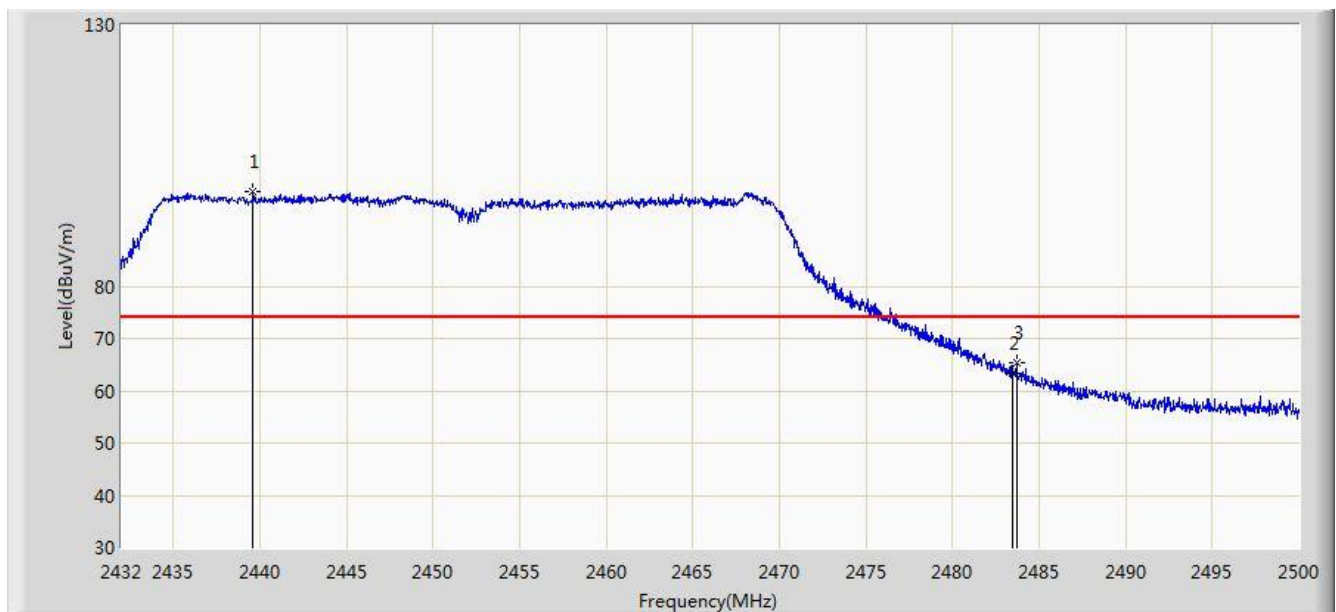


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	41.514	10.311	-12.486	54.000	31.203	AV
2		*	2433.948	73.193	42.063	N/A	N/A	31.131	AV

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

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

Site: AC1	Time: 2017/11/30 - 03:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

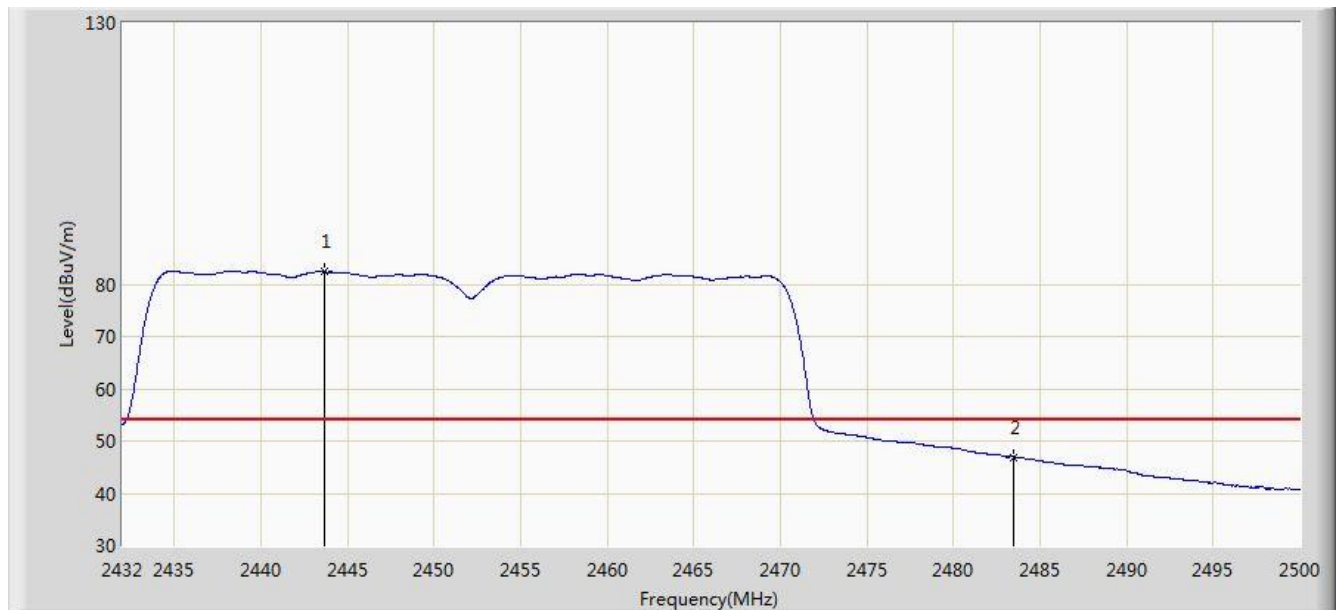


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2439.616	98.093	66.974	N/A	N/A	31.119	PK
2			2483.500	63.329	32.136	-10.671	74.000	31.194	PK
3			2483.714	65.315	34.121	-8.685	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/11/30 - 03:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

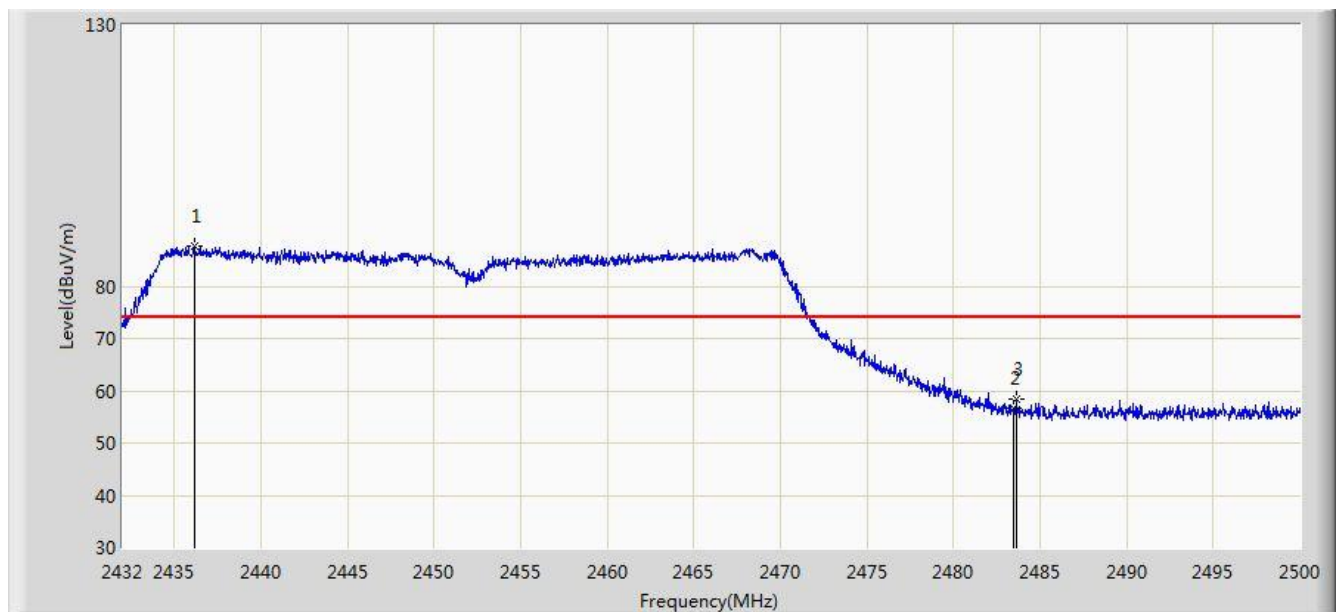


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2443.696	82.351	51.240	N/A	N/A	31.111	AV
2			2483.500	46.951	15.758	-7.049	54.000	31.194	AV

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

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

aSite: AC1	Time: 2017/11/30 - 03:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

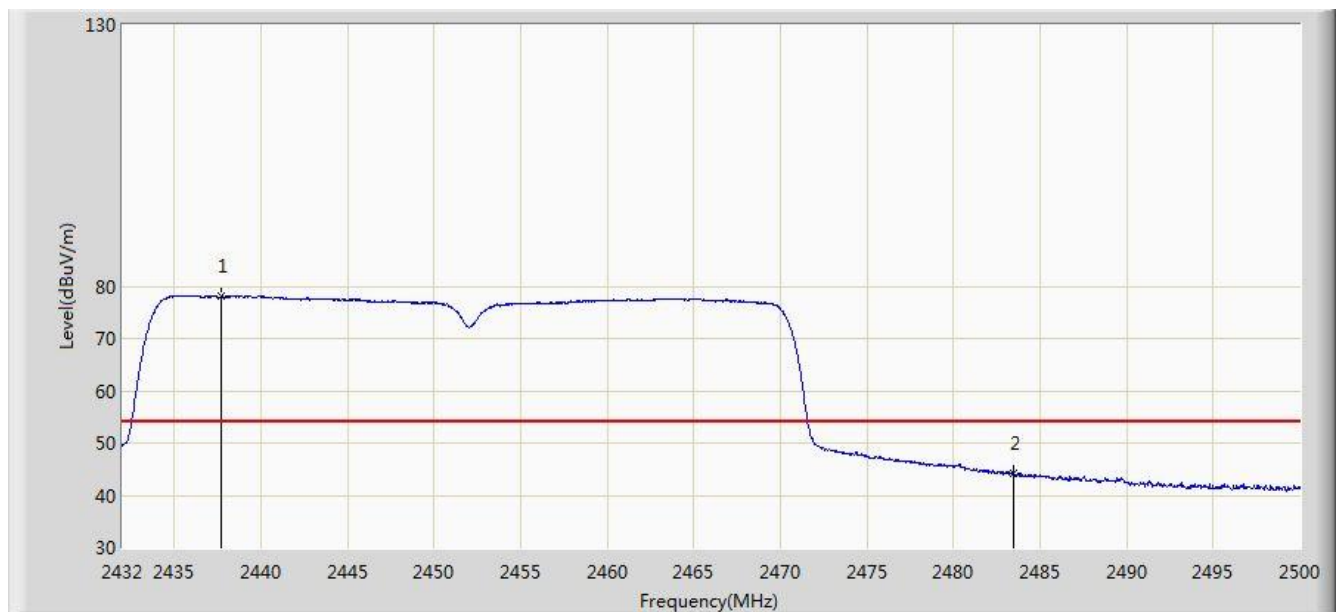


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2436.148	87.589	56.463	N/A	N/A	31.126	PK
2			2483.500	56.677	25.484	-17.323	74.000	31.194	PK
3			2483.646	58.455	27.261	-15.545	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/11/30 - 04:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Cat Hu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: DC 5V
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2437.712	78.017	46.894	N/A	N/A	31.123	AV
2			2483.500	44.320	13.127	-9.680	54.000	31.194	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

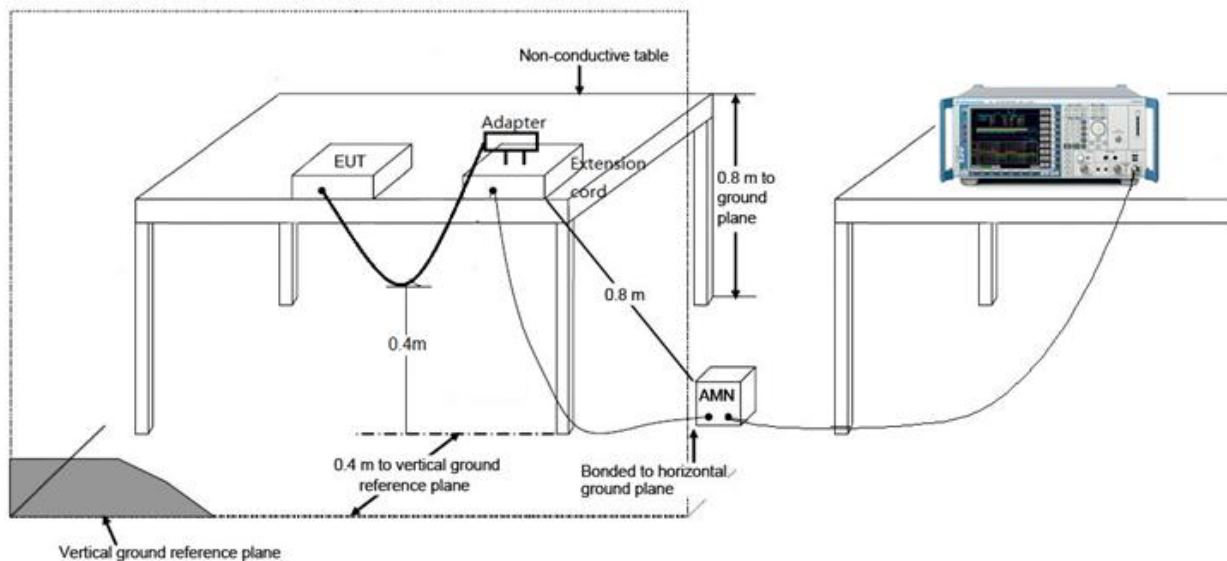
7.8.1. Test Limit

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.

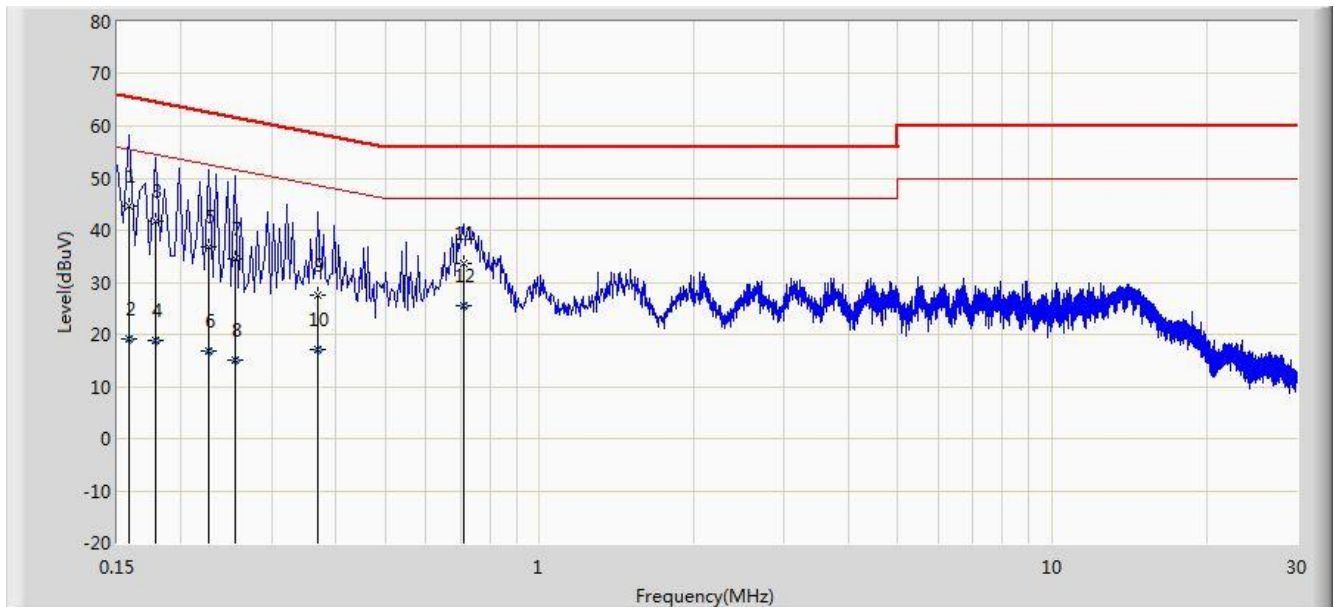
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3.Test Result

Site: SR2	Time: 2017/12/25 - 19:46
Limit: FCC_Part15.207_CE_AC Power	Engineer: Lewis Huang
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Wireless Module	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

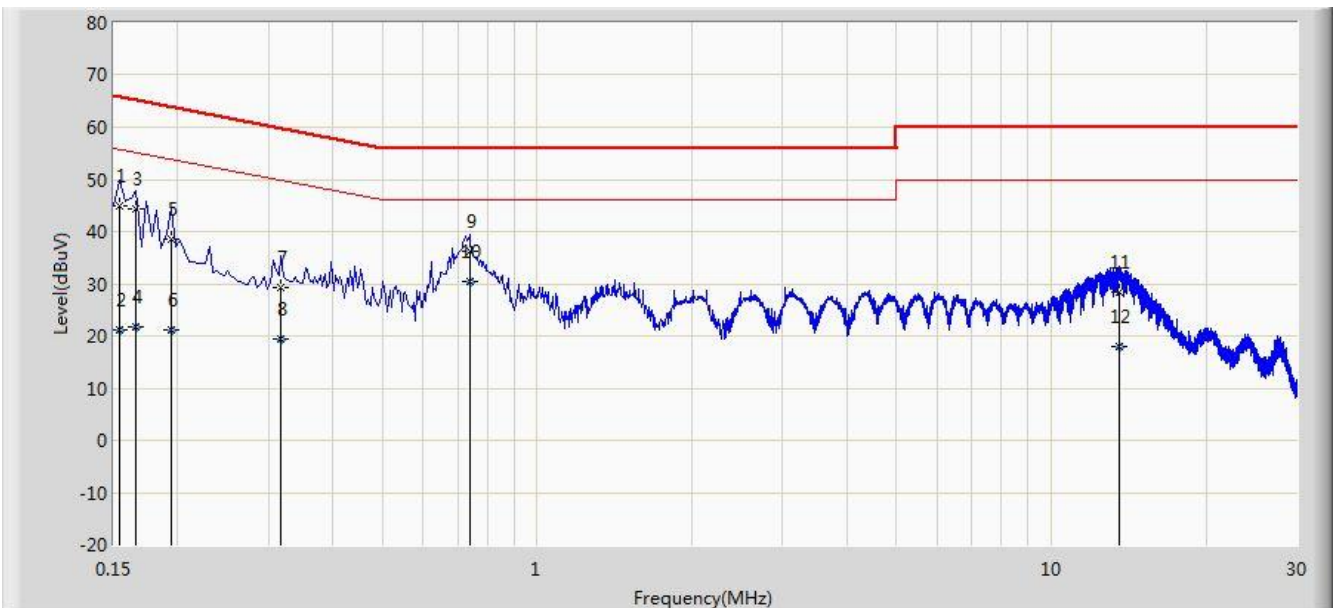


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.158	44.583	34.272	-20.985	65.568	10.311	QP
2			0.158	19.224	8.913	-36.345	55.568	10.311	AV
3			0.178	41.650	31.592	-22.929	64.578	10.058	QP
4			0.178	18.853	8.795	-35.725	54.578	10.058	AV
5			0.226	36.824	26.880	-25.772	62.595	9.944	QP
6			0.226	16.729	6.785	-35.866	52.595	9.944	AV
7			0.254	34.443	24.476	-27.182	61.625	9.967	QP
8			0.254	14.979	5.012	-36.646	51.625	9.967	AV
9			0.370	27.528	17.467	-30.972	58.501	10.061	QP
10			0.370	17.229	7.168	-31.272	48.501	10.061	AV
11			0.710	33.546	23.488	-22.454	56.000	10.058	QP
12		*	0.710	25.477	15.419	-20.523	46.000	10.058	AV

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

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

Site: SR2	Time: 2017/12/25 - 19:51
Limit: FCC_Part15.207_CE_AC Power	Engineer: Lewis Huang
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Wireless Module	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	44.783	34.067	-20.998	65.781	10.716	QP
2			0.154	21.272	10.556	-34.509	55.781	10.716	AV
3			0.166	44.232	34.161	-20.926	65.158	10.071	QP
4			0.166	21.727	11.656	-33.431	55.158	10.071	AV
5			0.194	38.599	28.577	-25.265	63.864	10.021	QP
6			0.194	21.194	11.173	-32.669	53.864	10.021	AV
7			0.318	29.384	19.333	-30.375	59.759	10.051	QP
8			0.318	19.417	9.366	-30.342	49.759	10.051	AV
9			0.738	36.254	26.200	-19.746	56.000	10.054	QP
10		*	0.738	30.423	20.369	-15.577	46.000	10.054	AV
11			13.542	28.487	18.390	-31.513	60.000	10.097	QP
12			13.542	17.899	7.802	-32.101	50.000	10.097	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 **Wireless Module** is in compliance with Part 15C of the FCC Rules & IC Rules.

The End