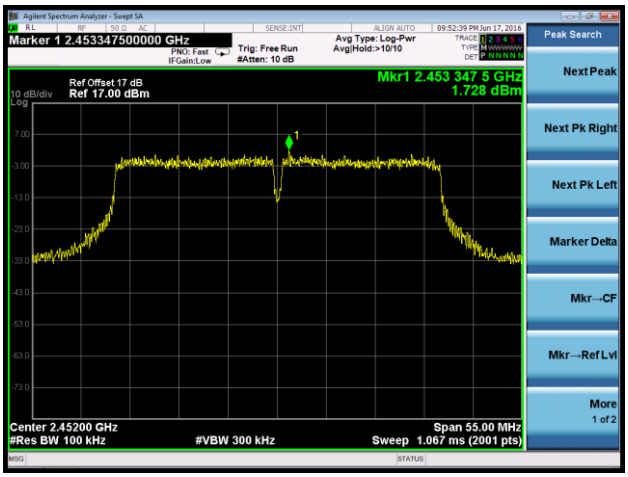
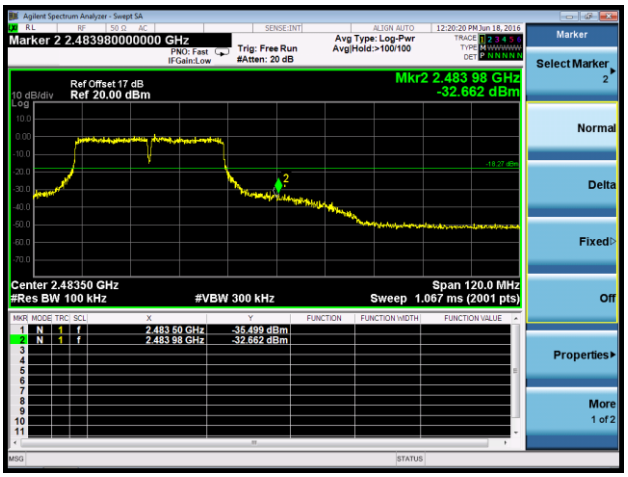
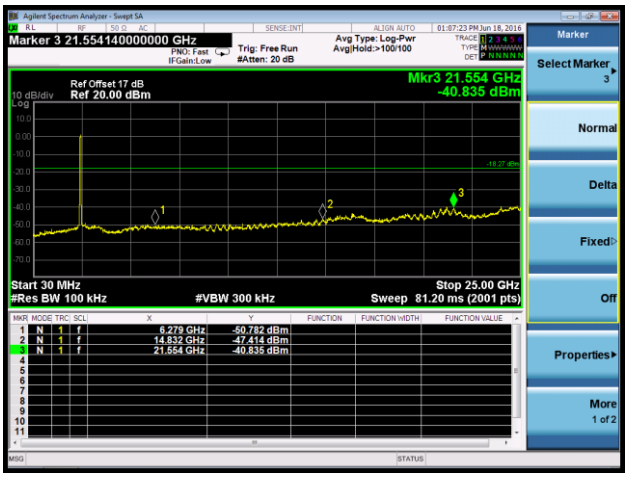
Channel 09 (2452MHz)	
100kHz PSD Reference Level	**High Band Edge**
	
Spurious Emission	
	

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 D01v03r05 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r05 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r05 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

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

6. Trace mode = max hold

7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

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

Average Field Strength Measurements

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

2. RBW = 1MHz

3. VBW ≥ 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

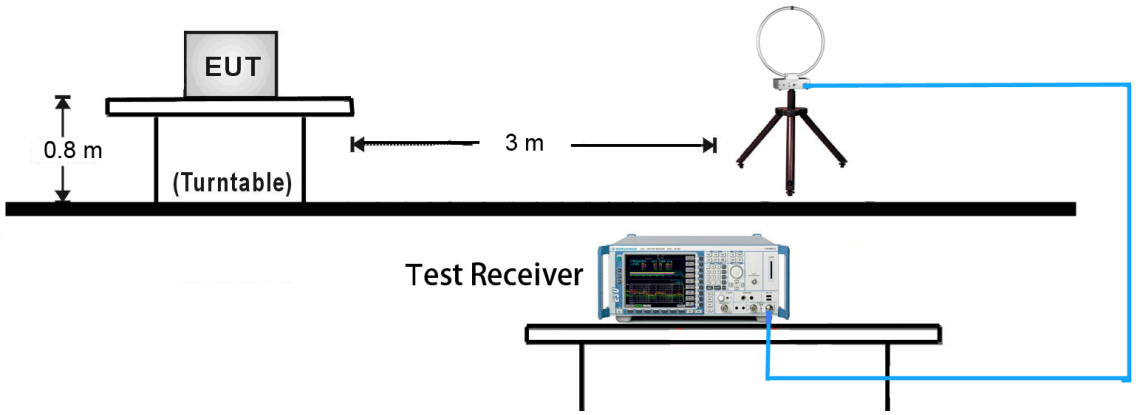
6. Sweep time = auto

7. Trace mode = max hold

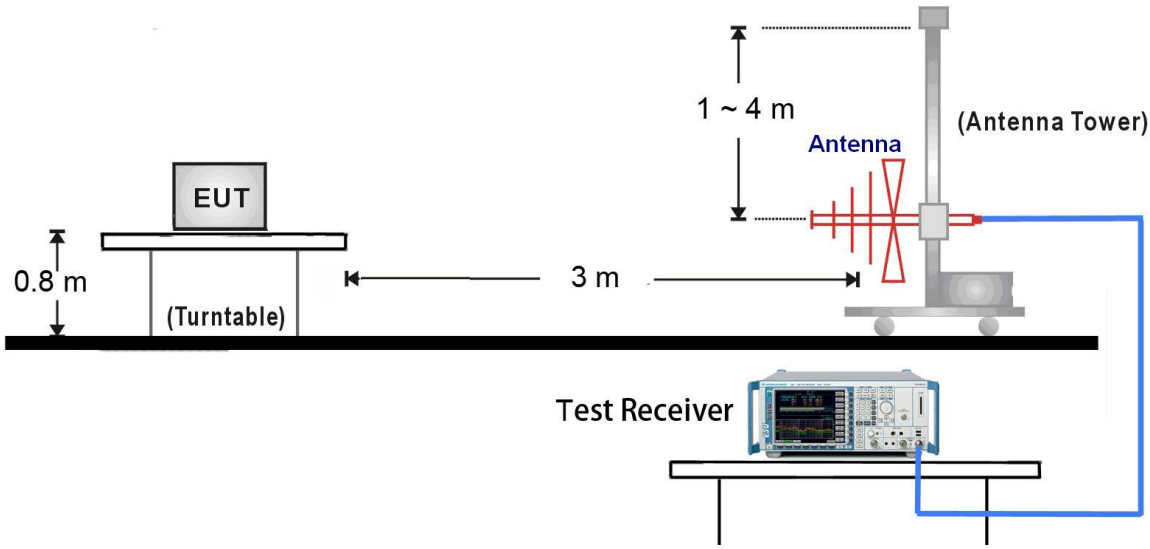
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

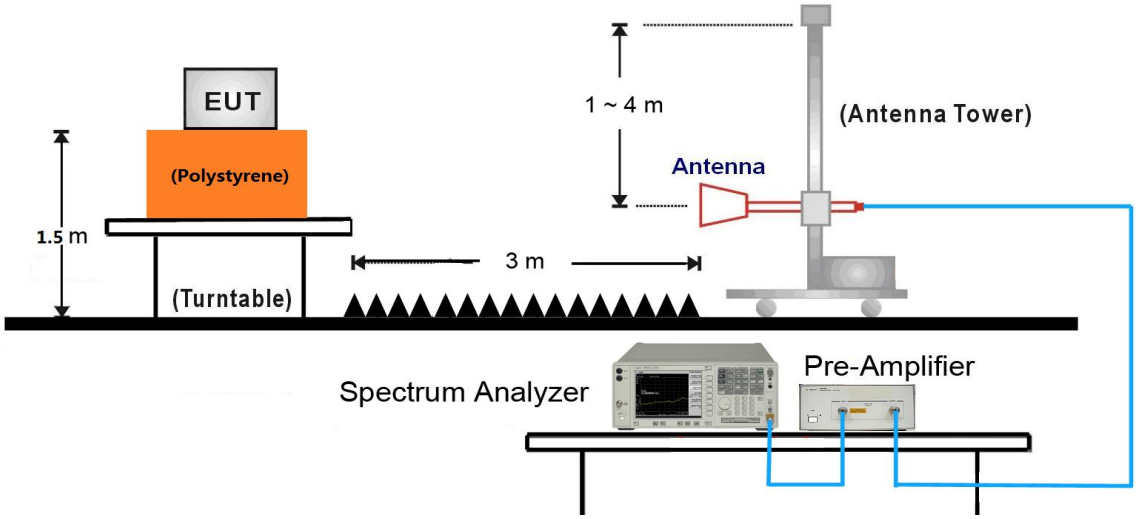
9kHz ~ 30MHz Test Setup:



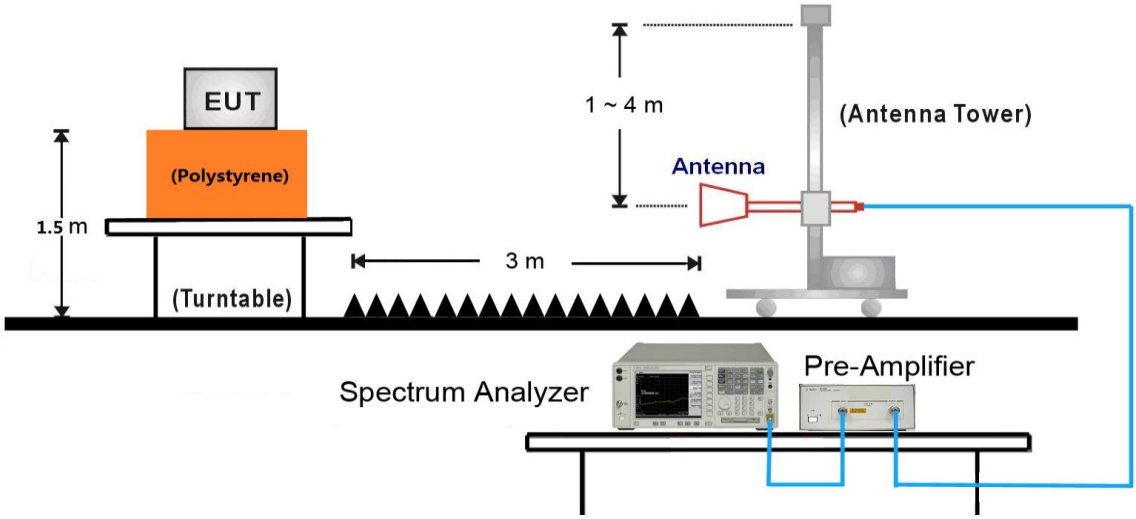
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
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
	3805.0	37.9	-0.2	37.7	74.0	-36.3	Peak	Horizontal
	4825.0	41.6	2.7	44.3	74.0	-29.7	Peak	Horizontal
*	6550.5	36.7	5.9	42.6	85.5	-42.9	Peak	Horizontal
*	9840.0	35.2	11.6	46.8	85.5	-38.7	Peak	Horizontal
	3890.0	37.8	0.2	38.0	74.0	-36.0	Peak	Vertical
	4825.0	39.0	2.7	41.7	74.0	-32.3	Peak	Vertical
*	6431.5	37.1	5.6	42.7	85.5	-42.8	Peak	Vertical
*	9746.5	35.5	11.3	46.8	85.5	-38.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.5dBμV/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:	802.11b - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
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
	3873.0	37.1	0.1	37.2	74.0	-36.8	Peak	Horizontal
	4876.0	37.3	2.7	40.0	74.0	-34.0	Peak	Horizontal
*	6610.0	36.6	6.0	42.6	86.3	-43.7	Peak	Horizontal
*	9738.0	35.2	11.2	46.4	86.3	-39.9	Peak	Horizontal
	3788.0	37.5	-0.3	37.2	74.0	-36.8	Peak	Vertical
	4876.0	39.5	2.7	42.2	74.0	-31.8	Peak	Vertical
*	6644.0	35.7	6.0	41.7	86.3	-44.6	Peak	Vertical
*	9882.5	35.2	11.6	46.8	86.3	-39.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dBμV/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 - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
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
	3830.5	37.5	-0.1	37.4	74.0	-36.6	Peak	Horizontal
	4927.0	38.4	2.8	41.2	74.0	-32.8	Peak	Horizontal
*	6652.5	36.0	6.0	42	87.1	-45.1	Peak	Horizontal
*	9797.5	32.7	11.5	44.2	87.1	-42.9	Peak	Horizontal
	3779.5	36.2	-0.3	35.9	74.0	-38.1	Peak	Vertical
	4833.5	36.1	2.7	38.8	74.0	-35.2	Peak	Vertical
*	6406.0	35.2	5.5	40.7	87.1	-46.4	Peak	Vertical
*	9661.5	35.4	11.0	46.4	87.1	-40.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.1dBμV/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 - Ant 1	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
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
	3864.5	36.8	0.1	36.9	74.0	-37.1	Peak	Horizontal
	4825.0	36.0	2.7	38.7	74.0	-35.3	Peak	Horizontal
*	6788.5	35.5	6.0	41.5	88.5	-47.0	Peak	Horizontal
*	9721.0	33.0	11.1	44.1	88.5	-44.4	Peak	Horizontal
	3830.5	37.3	-0.1	37.2	74.0	-36.8	Peak	Vertical
	4816.5	36.1	2.7	38.8	74.0	-35.2	Peak	Vertical
*	6678.0	35.9	5.9	41.8	88.5	-46.7	Peak	Vertical
*	9678.5	34.9	10.9	45.8	88.5	-42.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (108.5dBμV/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:	802.11g - Ant 1	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
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
	3805.0	37.3	-0.2	37.1	74.0	-36.9	Peak	Horizontal
	4867.5	38.0	2.7	40.7	74.0	-33.3	Peak	Horizontal
*	6610.0	35.9	6.0	41.9	89.1	-47.2	Peak	Horizontal
*	9831.5	33.6	11.6	45.2	89.1	-43.9	Peak	Horizontal
	3856.0	37.2	0.1	37.3	74.0	-36.7	Peak	Vertical
	4833.5	35.3	2.7	38.0	74.0	-36.0	Peak	Vertical
*	6474.0	35.8	5.8	41.6	89.1	-47.5	Peak	Vertical
*	9678.5	33.8	10.9	44.7	89.1	-44.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (109.1dBμV/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 - Ant 1	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
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
	3881.5	36.9	0.1	37.0	74.0	-37.0	Peak	Horizontal
	4774.0	35.5	2.6	38.1	74.0	-35.9	Peak	Horizontal
*	6508.0	35.3	6.0	41.3	89.4	-48.1	Peak	Horizontal
*	9780.5	34.5	11.4	45.9	89.4	-43.5	Peak	Horizontal
	3856.0	37.7	0.1	37.8	74.0	-36.2	Peak	Vertical
	4799.5	36.1	2.7	38.8	74.0	-35.2	Peak	Vertical
*	6695.0	36.0	5.8	41.8	89.4	-47.6	Peak	Vertical
*	9933.5	34.5	11.5	46.0	89.4	-43.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dBμV/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:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
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
	3864.5	38.1	0.1	38.2	74.0	-35.8	Peak	Horizontal
	4825.0	41.6	2.7	44.3	74.0	-29.7	Peak	Horizontal
*	6550.5	36.7	5.9	42.6	78.4	-35.8	Peak	Horizontal
*	7978.5	36.5	8.7	45.2	78.4	-33.2	Peak	Horizontal
	3652.0	38.4	-0.6	37.8	74.0	-36.2	Peak	Vertical
	4825.0	39.0	2.7	41.7	74.0	-32.3	Peak	Vertical
*	6431.5	37.1	5.6	42.7	78.4	-35.7	Peak	Vertical
*	7800.0	36.4	8.4	44.8	78.4	-33.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.4dBμV/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:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
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
	3992.0	37.7	0.4	38.1	74.0	-35.9	Peak	Horizontal
	4876.0	37.3	2.7	40.0	74.0	-34.0	Peak	Horizontal
*	6610.0	36.6	6.0	42.6	79.5	-36.9	Peak	Horizontal
*	8718.0	35.4	9.0	44.4	79.5	-35.1	Peak	Horizontal
	4068.5	37.9	0.6	38.5	74.0	-35.5	Peak	Vertical
	4876.0	39.5	2.7	42.2	74.0	-31.8	Peak	Vertical
*	6848.0	36.1	6.3	42.4	79.5	-37.1	Peak	Vertical
*	8692.5	35.5	9.0	44.5	79.5	-35.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.5dBμV/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:	802.11b - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	38.3	0.5	38.8	74.0	-35.2	Peak	Horizontal
	4927.0	38.4	2.8	41.2	74.0	-32.8	Peak	Horizontal
*	6950.0	37.4	6.7	44.1	81.6	-37.5	Peak	Horizontal
*	8888.0	35.8	9.2	45.0	81.6	-36.6	Peak	Horizontal
	3643.5	37.4	-0.6	36.8	74.0	-37.2	Peak	Vertical
	4833.5	36.1	2.7	38.8	74.0	-35.2	Peak	Vertical
*	7162.5	36.1	7.7	43.8	81.6	-37.8	Peak	Vertical
*	8964.5	34.7	9.0	43.7	81.6	-37.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.6dBμV/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 - Ant 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
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
	3949.5	37.2	0.3	37.5	74.0	-36.5	Peak	Horizontal
	4825.0	36.0	2.7	38.7	74.0	-35.3	Peak	Horizontal
*	7230.5	36.8	7.8	44.6	82.2	-37.6	Peak	Horizontal
*	8556.5	36.5	8.6	45.1	82.2	-37.1	Peak	Horizontal
	4094.0	37.5	0.6	38.1	74.0	-35.9	Peak	Vertical
	4816.5	36.1	2.7	38.8	74.0	-35.2	Peak	Vertical
*	7239.0	36.1	7.8	43.9	82.2	-38.3	Peak	Vertical
*	8582.0	35.5	8.6	44.1	82.2	-38.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.2dBμV/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 - Ant 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
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
	4153.5	37.7	0.7	38.4	74.0	-35.6	Peak	Horizontal
	4867.5	38.0	2.7	40.7	74.0	-33.3	Peak	Horizontal
*	6610.0	35.9	6.0	41.9	83.6	-41.7	Peak	Horizontal
*	7825.5	35.9	8.4	44.3	83.6	-39.3	Peak	Horizontal
	3949.5	37.3	0.3	37.6	74.0	-36.4	Peak	Vertical
	4587.0	37.3	2.0	39.3	74.0	-34.7	Peak	Vertical
*	6474.0	35.8	5.8	41.6	83.6	-42.0	Peak	Vertical
*	7774.5	36.4	8.2	44.6	83.6	-39.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.6dBμV/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 - Ant 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4085.5	37.8	0.6	38.4	74.0	-35.6	Peak	Horizontal
	4935.5	35.9	2.8	38.7	74.0	-35.3	Peak	Horizontal
*	7060.5	35.9	7.2	43.1	84.5	-41.4	Peak	Horizontal
*	8718.0	35.5	9.0	44.5	84.5	-40.0	Peak	Horizontal
	4230.0	37.4	0.9	38.3	74.0	-35.7	Peak	Vertical
	4969.5	36.5	3.0	39.5	74.0	-34.5	Peak	Vertical
*	6695.0	36.0	5.8	41.8	84.5	-42.7	Peak	Vertical
*	8896.5	34.1	9.2	43.3	84.5	-41.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.5dBμV/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 - Ant 1 + 2	Test Site:	AC1
Test Channel:	01	Test Engineer:	Roy Cheng
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
	3771.0	38.4	-0.3	38.1	74.0	-35.9	Peak	Horizontal
	4825.0	36.9	2.7	39.6	74.0	-34.4	Peak	Horizontal
*	6567.5	35.9	6.0	41.9	86.2	-44.3	Peak	Horizontal
*	9738.0	35.0	11.2	46.2	86.2	-40.0	Peak	Horizontal
	3907.0	35.6	0.2	35.8	74.0	-38.2	Peak	Vertical
	4833.5	37.6	2.7	40.3	74.0	-33.7	Peak	Vertical
*	6593.0	36.0	6.0	42.0	86.2	-44.2	Peak	Vertical
*	9695.5	33.8	10.9	44.7	86.2	-41.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (106.2dBμV/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:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
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
	4884.5	38.8	2.7	41.5	74.0	-32.5	Peak	Horizontal
	7315.5	39.0	8.0	47.0	74.0	-27.0	Peak	Horizontal
*	8769.0	34.3	8.9	43.2	87.4	-44.2	Peak	Horizontal
*	9806.0	34.7	11.5	46.2	87.4	-41.2	Peak	Horizontal
	3788.0	37.4	-0.3	37.1	74.0	-36.9	Peak	Vertical
	4757.0	36.4	2.6	39.0	74.0	-35.0	Peak	Vertical
*	6805.5	35.8	6.1	41.9	87.4	-45.5	Peak	Vertical
*	9746.5	33.9	11.3	45.2	87.4	-42.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (107.4dBμV/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:	802.11n-HT20 - Ant 1 + 2	Test Site:	AC1
Test Channel:	11	Test Engineer:	Roy Cheng
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	37.7	2.8	40.5	74.0	-33.5	Peak	Horizontal
	7383.5	38.2	7.9	46.1	74.0	-27.9	Peak	Horizontal
*	8743.5	34.4	9.0	43.4	88.1	-44.7	Peak	Horizontal
*	9729.5	33.8	11.1	44.9	88.1	-43.2	Peak	Horizontal
	4876.0	34.8	2.7	37.5	74.0	-36.5	Peak	Vertical
	7383.5	38.1	7.9	46.0	74.0	-28.0	Peak	Vertical
*	8837.0	35.2	9.1	44.3	88.1	-43.8	Peak	Vertical
*	9746.5	34.3	11.3	45.6	88.1	-42.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (108.1dBμV/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 - Ant 1 + 2	Test Site:	AC1
Test Channel:	03	Test Engineer:	Roy Cheng
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
	3839.0	37.4	0.0	37.4	74.0	-36.6	Peak	Horizontal
	4842.0	36.3	2.7	39.0	74.0	-35.0	Peak	Horizontal
*	6414.5	36.3	5.5	41.8	83.4	-41.4	Peak	Horizontal
*	9746.5	35.5	11.3	46.8	83.4	-36.6	Peak	Horizontal
	3881.5	36.4	0.1	36.5	74.0	-37.5	Peak	Vertical
	4680.5	36.7	2.3	39.0	74.0	-35.0	Peak	Vertical
*	6584.5	35.9	6.0	41.9	83.4	-41.5	Peak	Vertical
*	9738.0	35.1	11.2	46.3	83.4	-37.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (103.4dBμV/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:	802.11n-HT40 - Ant 1 + 2	Test Site:	AC1
Test Channel:	06	Test Engineer:	Roy Cheng
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
	3864.5	38.0	0.1	38.1	74.0	-35.9	Peak	Horizontal
	4799.5	36.4	2.7	39.1	74.0	-34.9	Peak	Horizontal
*	6635.5	36.2	6.0	42.2	82.6	-40.4	Peak	Horizontal
*	9814.5	32.7	11.6	44.3	82.6	-38.3	Peak	Horizontal
	3788.0	37.2	-0.3	36.9	74.0	-37.1	Peak	Vertical
	4842.0	35.4	2.7	38.1	74.0	-35.9	Peak	Vertical
*	6686.5	36.2	5.8	42.0	82.6	-40.6	Peak	Vertical
*	9712.5	34.0	11.0	45.0	82.6	-37.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.6dBμV/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 - Ant 1 + 2	Test Site:	AC1
Test Channel:	09	Test Engineer:	Roy Cheng
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
	3839.0	36.9	0.0	36.9	74.0	-37.1	Peak	Horizontal
	4893.0	36.1	2.7	38.8	74.0	-35.2	Peak	Horizontal
*	6771.5	34.8	5.8	40.6	81.6	-41.0	Peak	Horizontal
*	9721.0	32.6	11.1	43.7	81.6	-37.9	Peak	Horizontal
	3754.0	38.0	-0.4	37.6	74.0	-36.4	Peak	Vertical
	4765.5	36.0	2.6	38.6	74.0	-35.4	Peak	Vertical
*	6610.0	36.7	6.0	42.7	81.6	-38.9	Peak	Vertical
*	9695.5	35.1	10.9	46.0	81.6	-35.6	Peak	Vertical

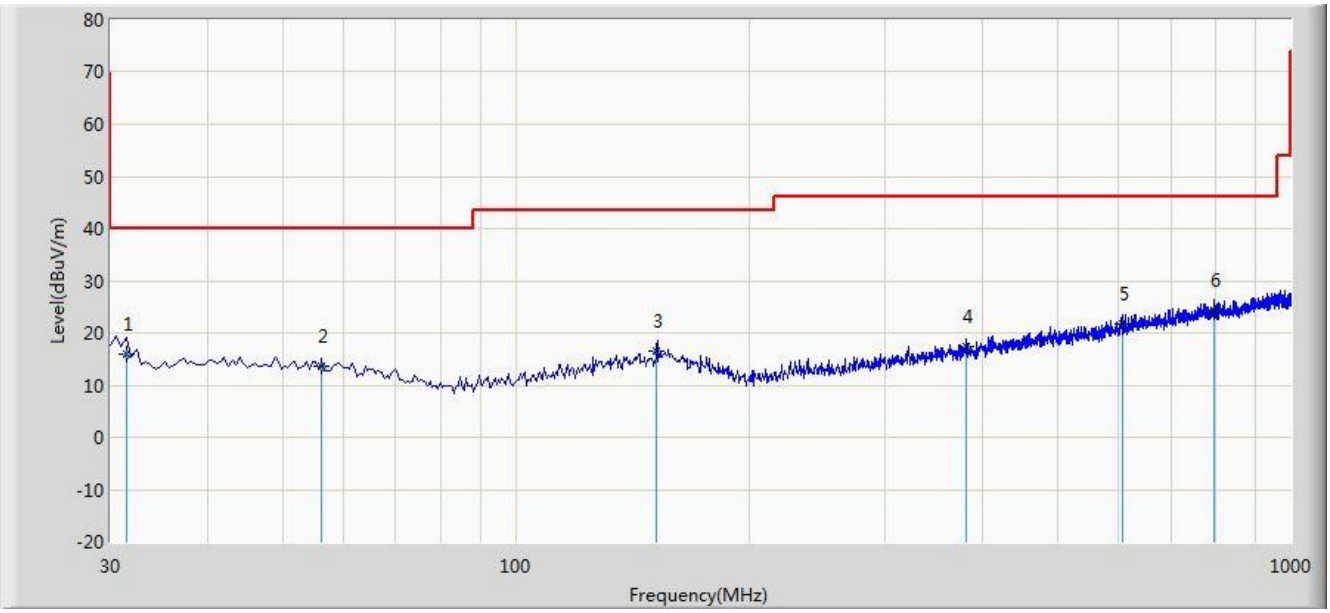
Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.6dBμV/m) or FCC 15.209 which is higher.

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: 2016/06/16 - 12:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Note: There is the worst case within frequency range 30MHz~1GHz.	

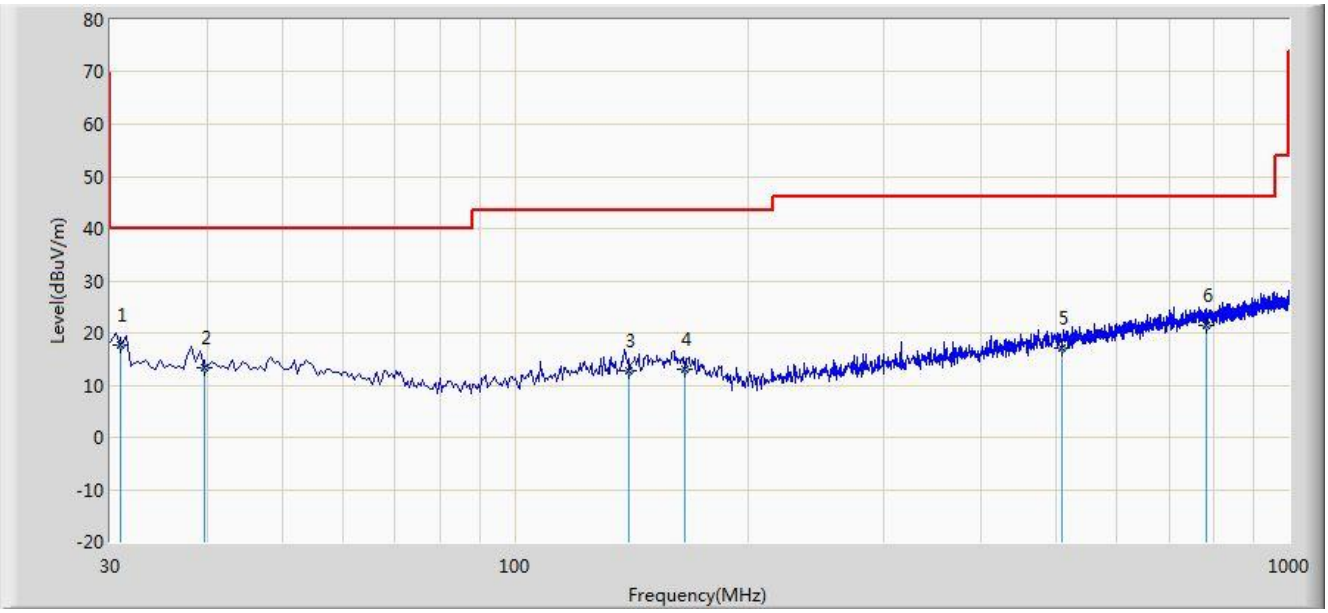


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			31.455	15.999	2.329	-24.001	40.000	13.670	QP
2			56.190	13.759	0.126	-26.241	40.000	13.633	QP
3			152.120	16.629	1.442	-26.871	43.500	15.187	QP
4			381.625	17.371	1.238	-28.629	46.000	16.133	QP
5			605.695	21.722	1.123	-24.278	46.000	20.600	QP
6		*	796.785	24.317	1.105	-21.683	46.000	23.212	QP

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

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

Site: AC1	Time: 2016/06/16 - 12:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Note: There is the worst case within frequency range 30MHz~1GHz.	

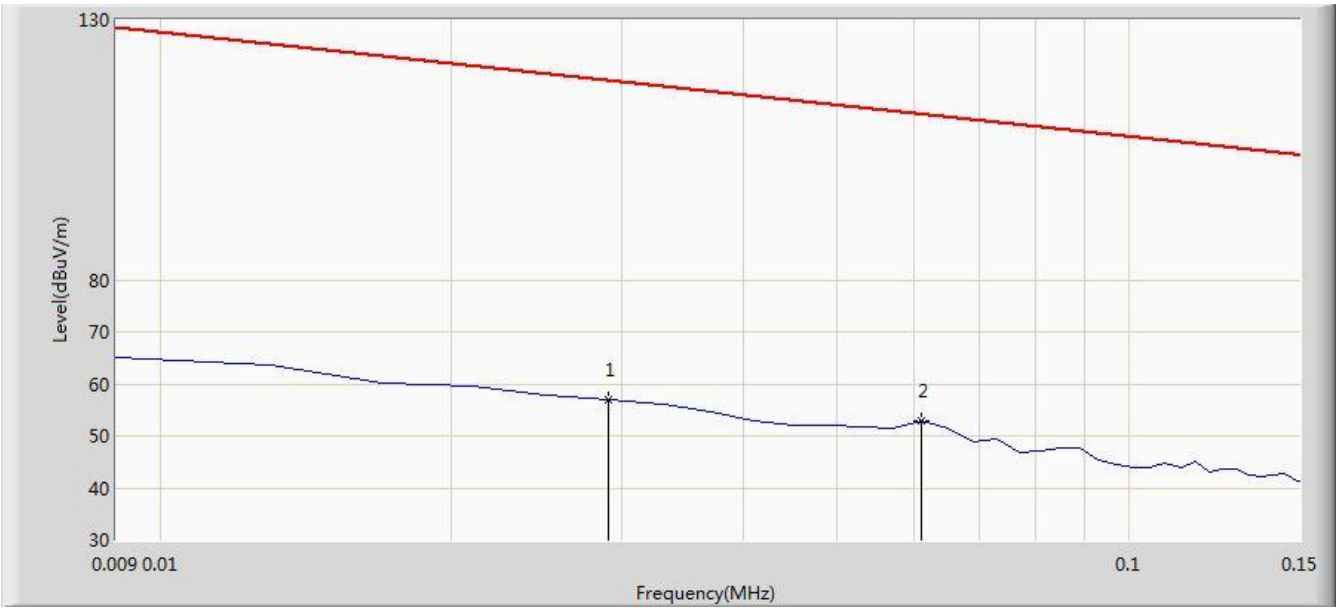


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.970	17.583	3.934	-22.417	40.000	13.649	QP
2			39.700	13.251	-1.257	-26.749	40.000	14.508	QP
3			140.580	12.665	-1.868	-30.835	43.500	14.533	QP
4			165.800	13.175	-1.483	-30.325	43.500	14.658	QP
5			509.180	17.197	-1.464	-28.803	46.000	18.661	QP
6			781.265	21.321	-1.775	-24.679	46.000	23.096	QP

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

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

Site: AC1	Time: 2016/06/16 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIFI Module	Power: DC 5V
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

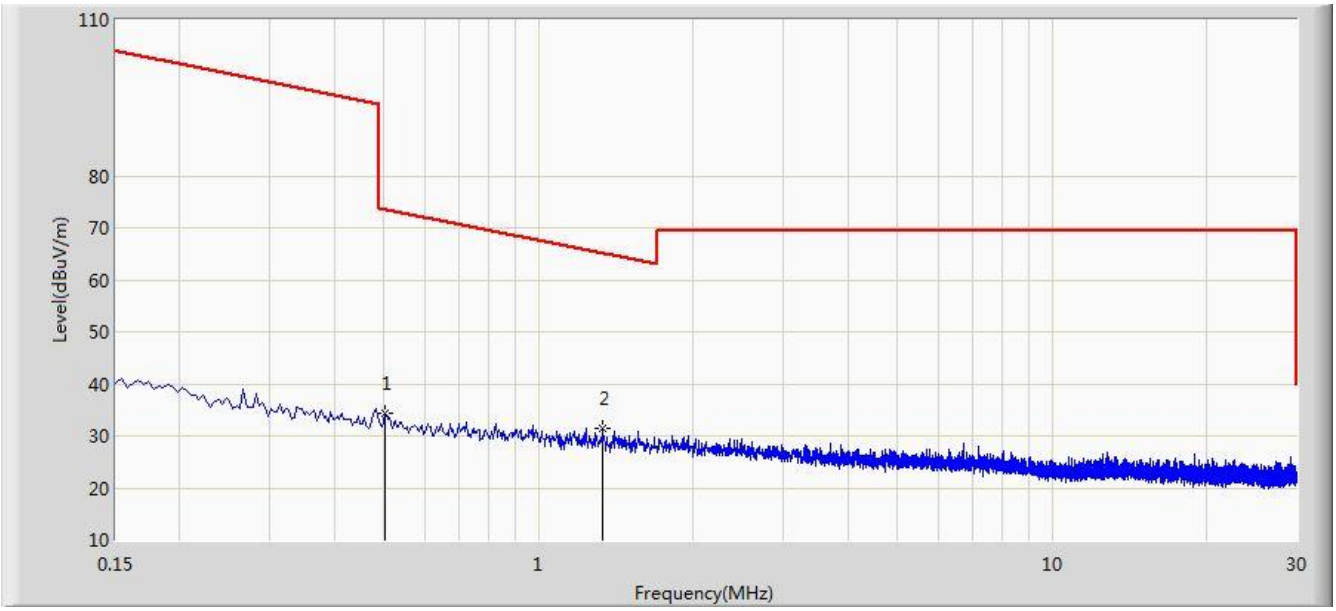


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.893	35.844	-61.463	118.356	21.049	QP
2		*	0.061	52.853	32.542	-59.045	111.898	20.311	QP

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

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

Site: AC1	Time: 2016/06/16 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIFI Module	Power: DC 5V
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

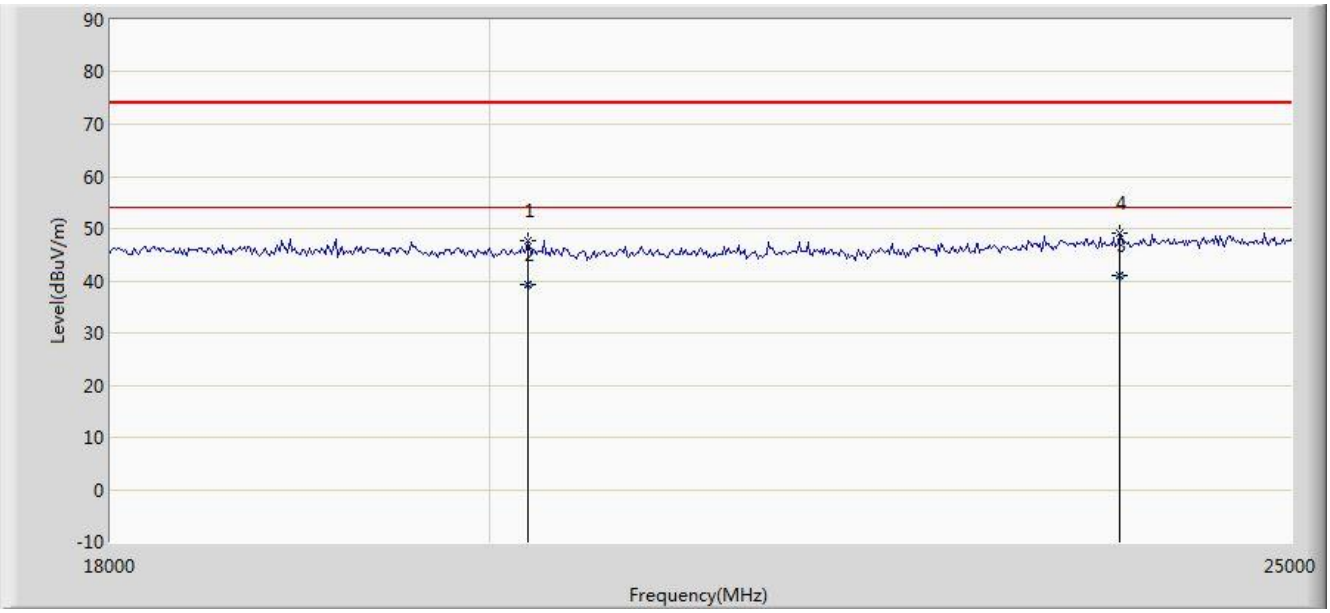


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.502	34.370	13.947	-39.220	73.590	20.423	QP
2		*	1.334	31.595	11.104	-33.530	65.125	20.491	QP

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

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

Site: AC1	Time: 2016/06/14 - 15:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Note: There is the ambient noise within frequency range 18GHz~25GHz.	

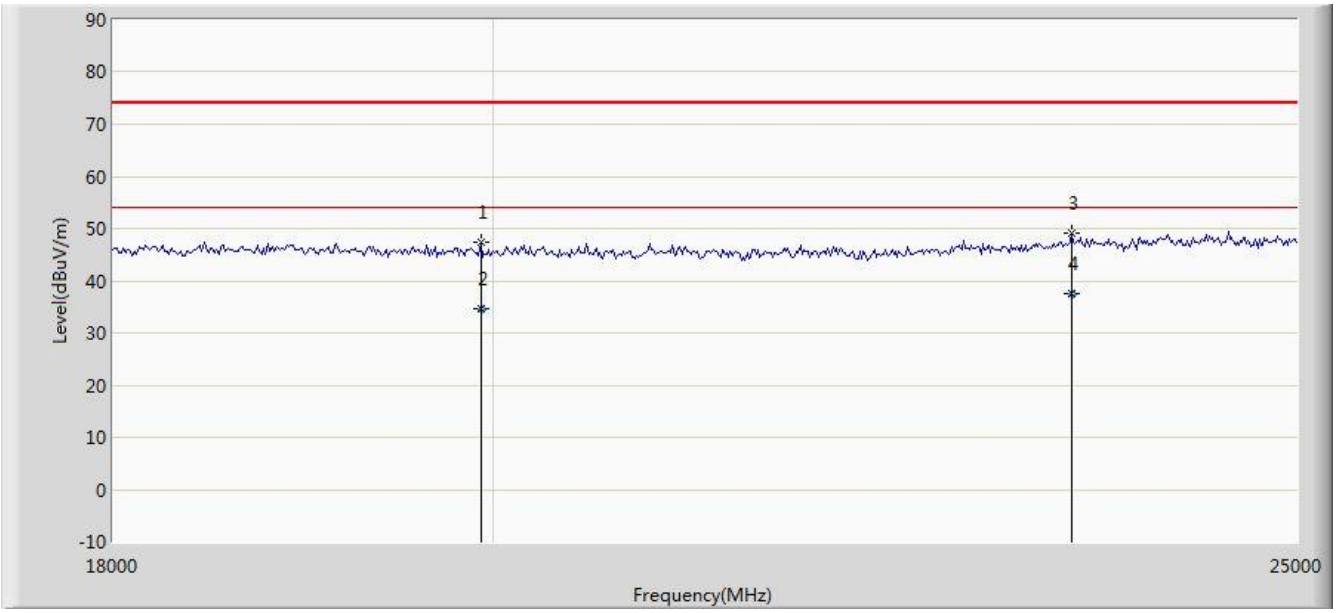


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			20222.000	47.718	40.062	-26.282	74.000	7.656	PK
2			20222.123	39.320	31.664	-14.680	54.000	7.656	AV
3		*	23840.957	40.907	30.765	-13.093	54.000	10.142	AV
4			23841.000	49.053	38.911	-24.947	74.000	10.142	PK

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

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

Site: AC1	Time: 2016/06/14 - 15:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			19936.000	47.322	39.617	-26.678	74.000	7.704	PK
2			19936.120	34.584	26.879	-19.416	54.000	7.704	AV
3			23489.000	49.202	39.505	-24.798	74.000	9.697	PK
4		*	23489.322	37.562	27.865	-16.438	54.000	9.697	AV

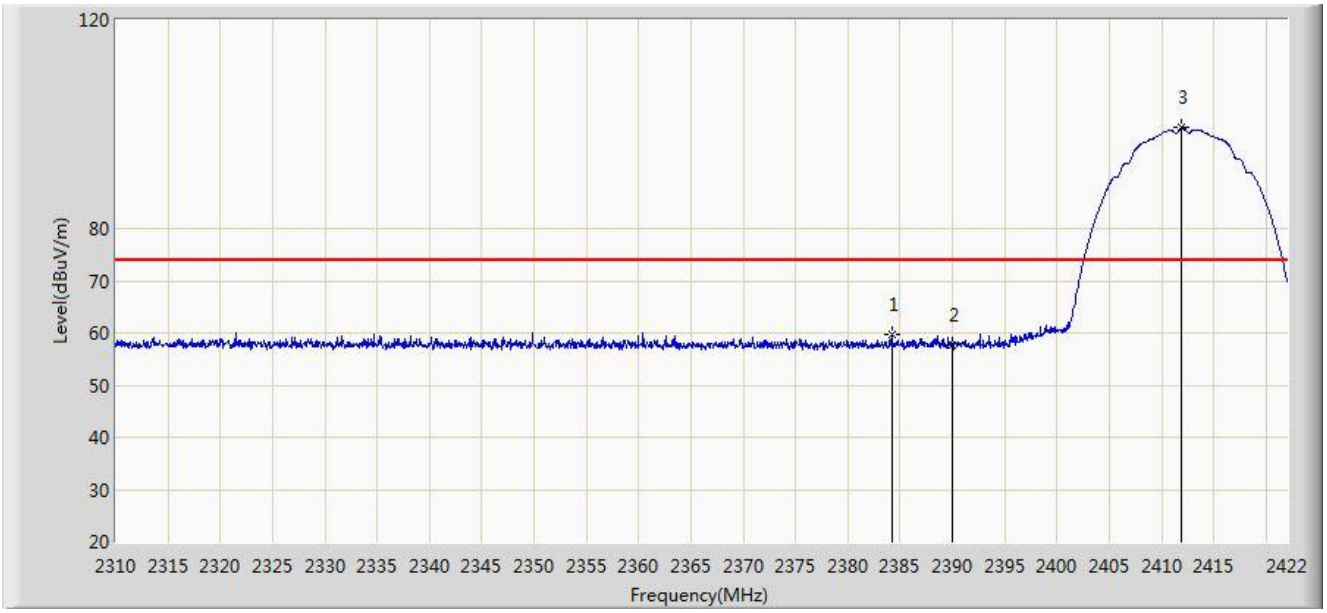
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

Site: AC1	Time: 2016/06/14 - 18:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 1	

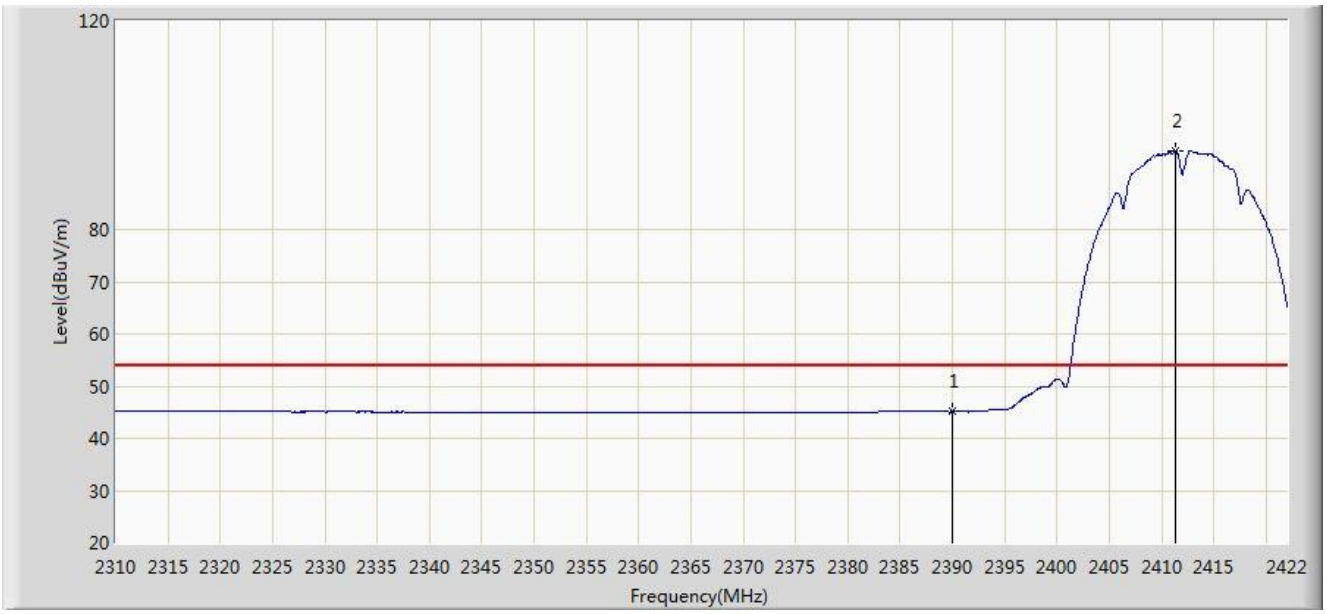


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2384.256	59.611	28.398	-14.389	74.000	31.214	PK
2			2390.000	57.555	26.352	-16.445	74.000	31.203	PK
3		*	2411.920	99.474	68.304	N/A	N/A	31.170	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 1	

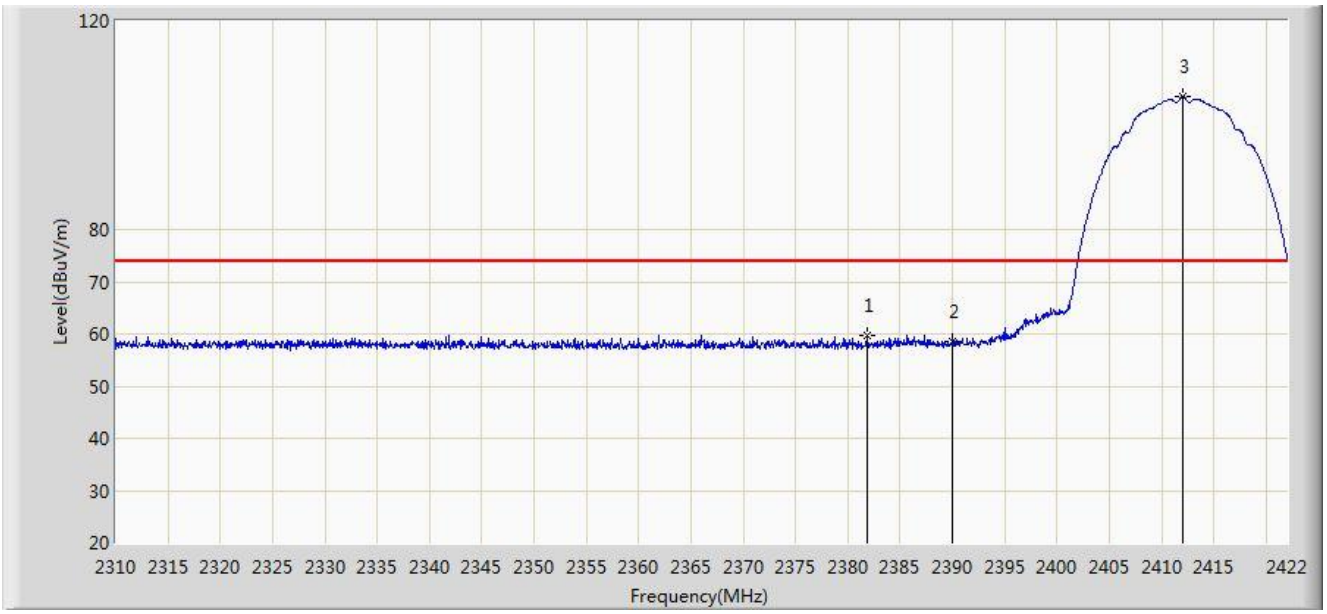


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.085	13.882	-8.915	54.000	31.203	AV
2		*	2411.304	95.208	64.037	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 1	

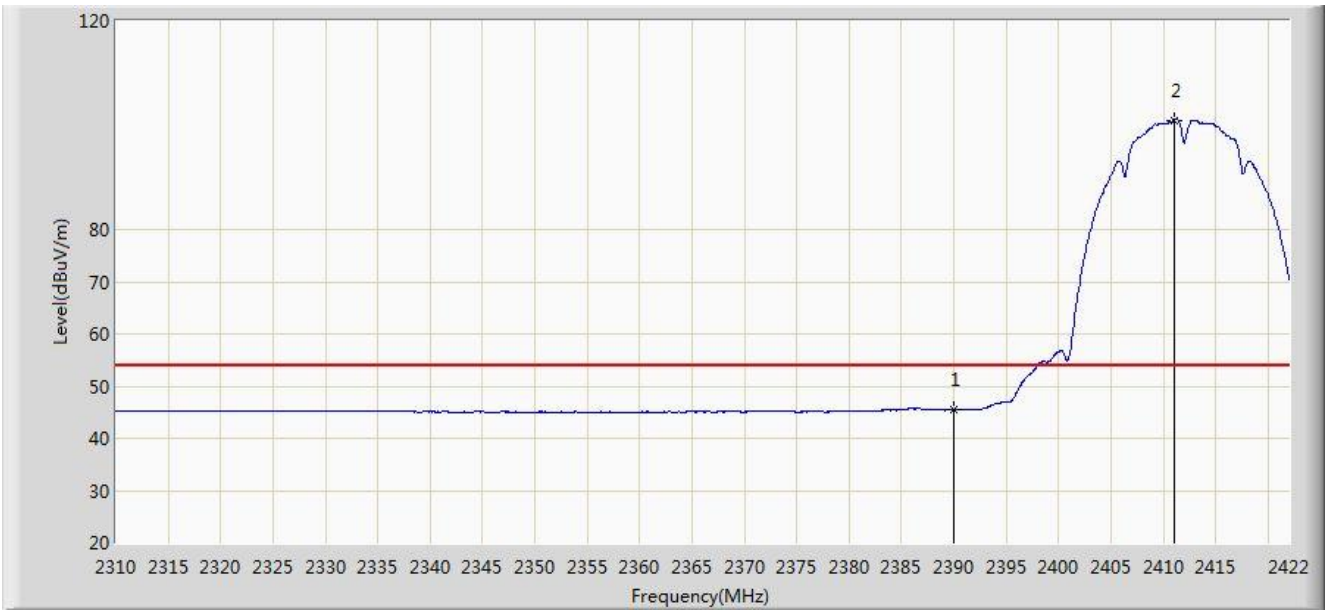


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2381.904	59.793	28.575	-14.207	74.000	31.218	PK
2			2390.000	58.677	27.474	-15.323	74.000	31.203	PK
3		*	2412.032	105.535	74.365	N/A	N/A	31.170	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 1	

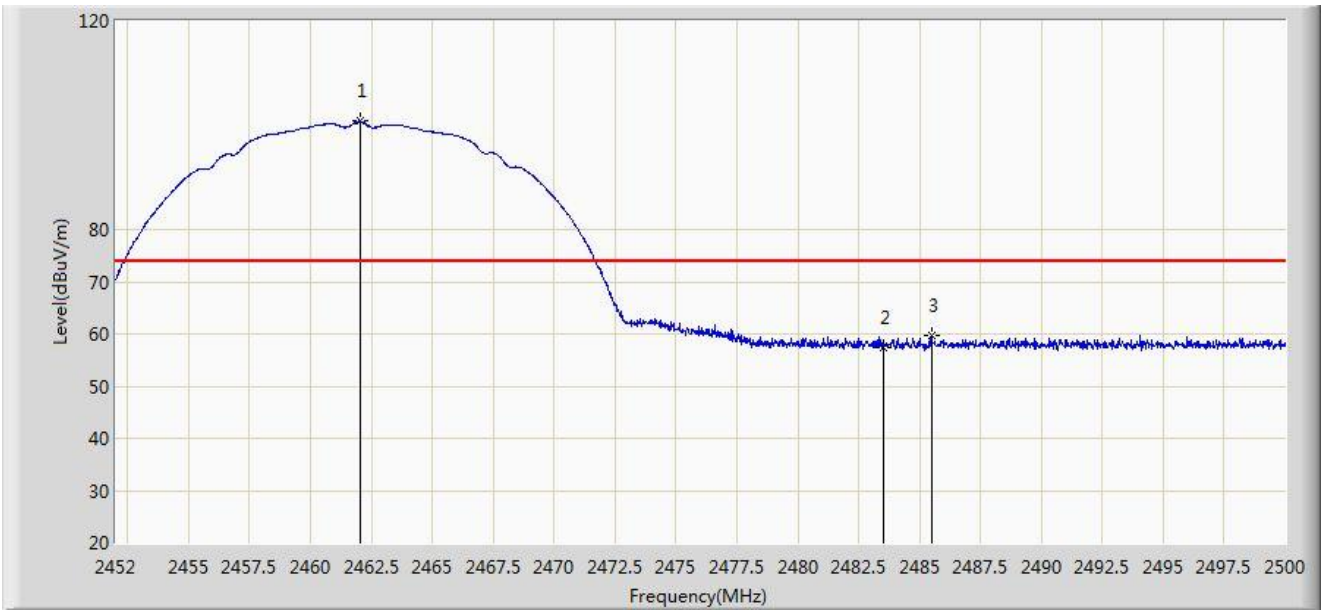


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.508	14.305	-8.492	54.000	31.203	AV
2		*	2411.024	100.946	69.775	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.056	100.756	69.621	N/A	N/A	31.135	PK
2			2483.500	57.480	26.287	-16.520	74.000	31.194	PK
3			2485.480	59.608	28.409	-14.392	74.000	31.198	PK

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

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

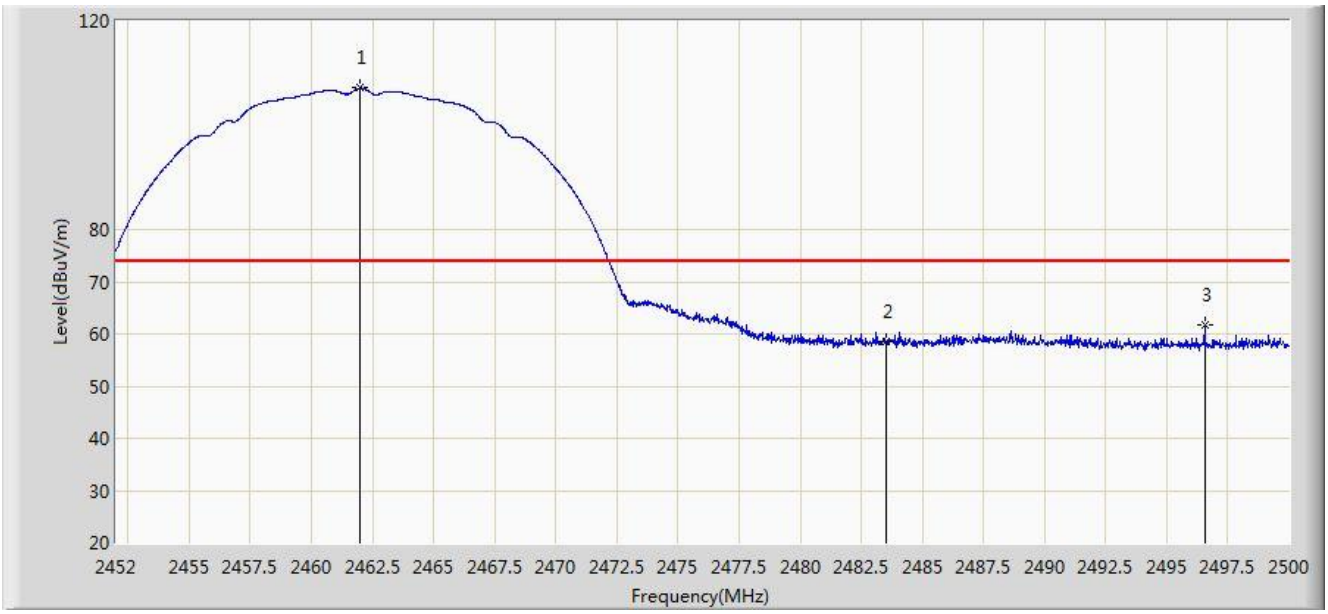
Site: AC1	Time: 2016/06/14 - 18:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	96.364	65.230	N/A	N/A	31.134	AV
2			2483.500	45.476	14.283	-8.524	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.008	107.115	75.980	N/A	N/A	31.135	PK
2			2483.500	58.503	27.310	-15.497	74.000	31.194	PK
3			2496.544	61.603	30.375	-12.397	74.000	31.227	PK

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

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

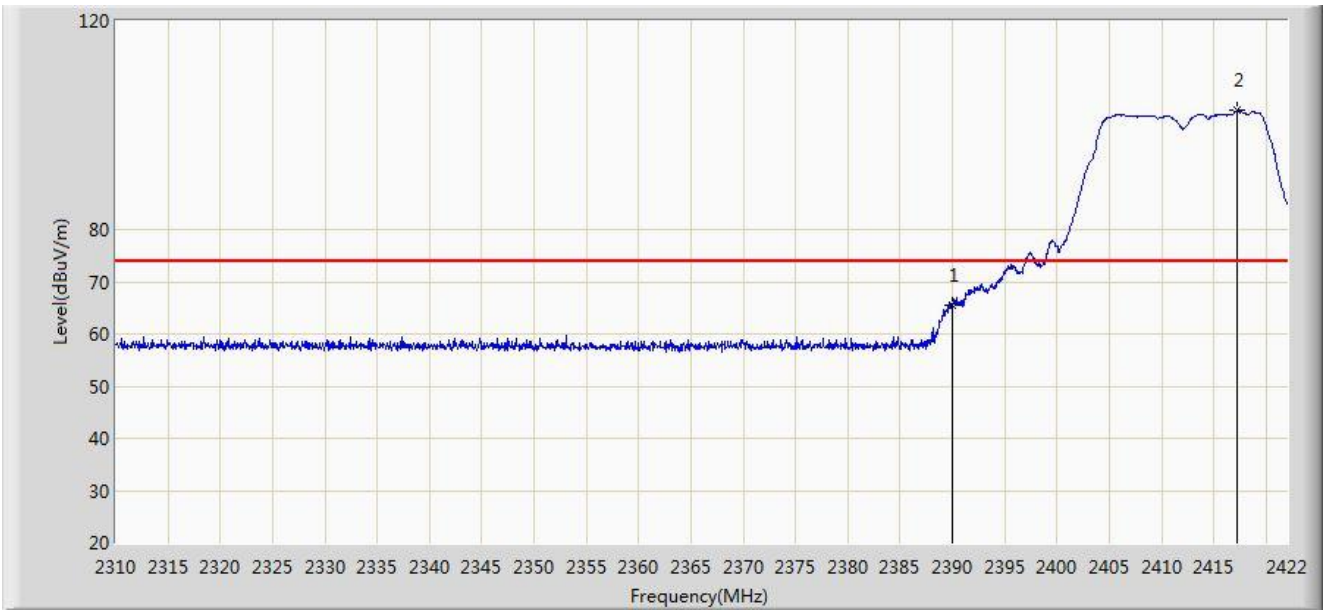
Site: AC1	Time: 2016/06/14 - 18:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	102.930	71.796	N/A	N/A	31.134	AV
2			2483.500	46.367	15.174	-7.633	54.000	31.194	AV
3			2487.520	46.991	15.787	-7.009	54.000	31.204	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 1	

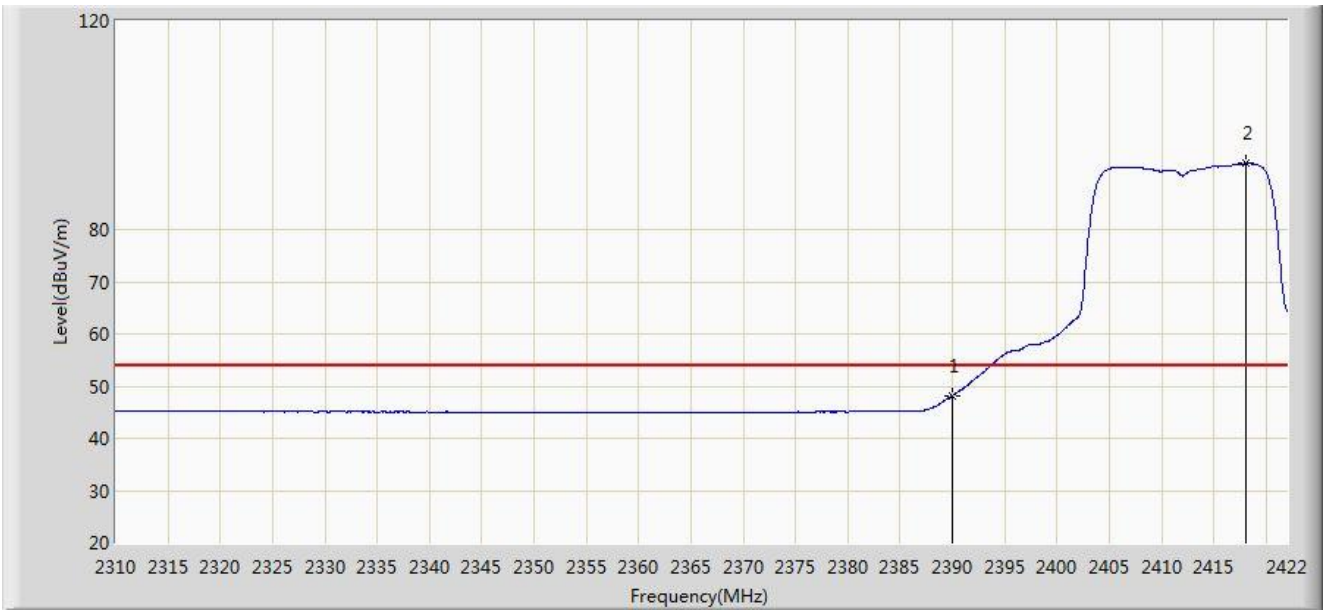


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	65.636	34.433	-8.364	74.000	31.203	PK
2		*	2417.240	102.767	71.606	N/A	N/A	31.160	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 1	

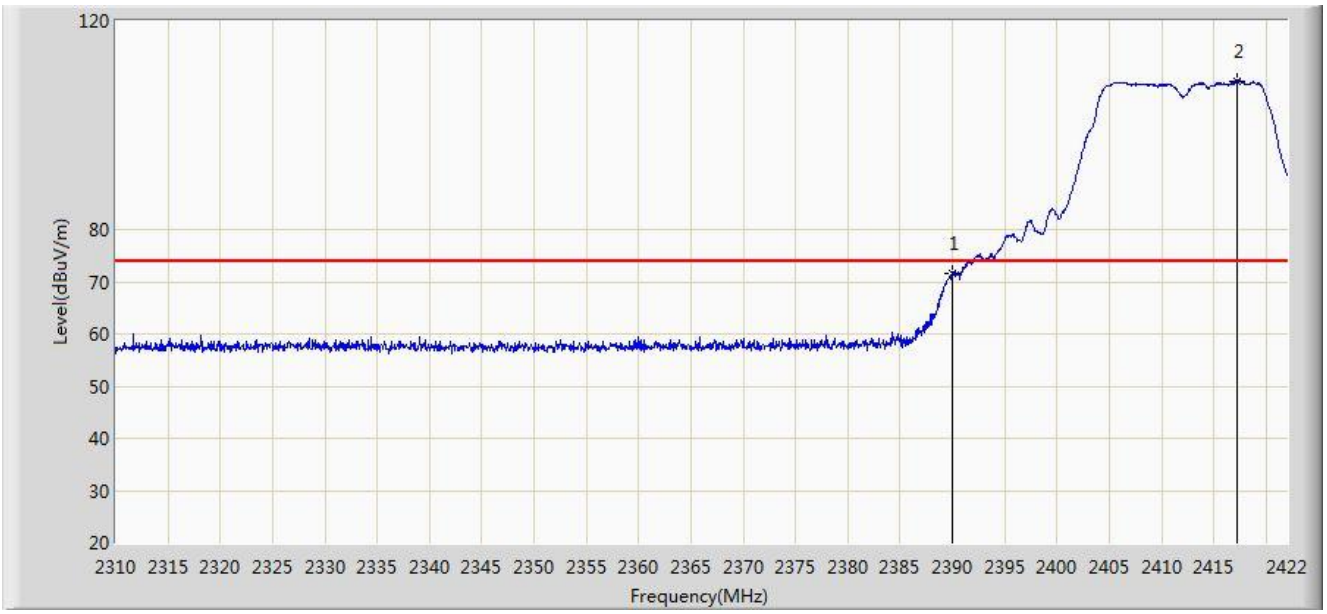


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.191	16.988	-5.809	54.000	31.203	AV
2		*	2418.136	92.676	61.517	N/A	N/A	31.159	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 1	

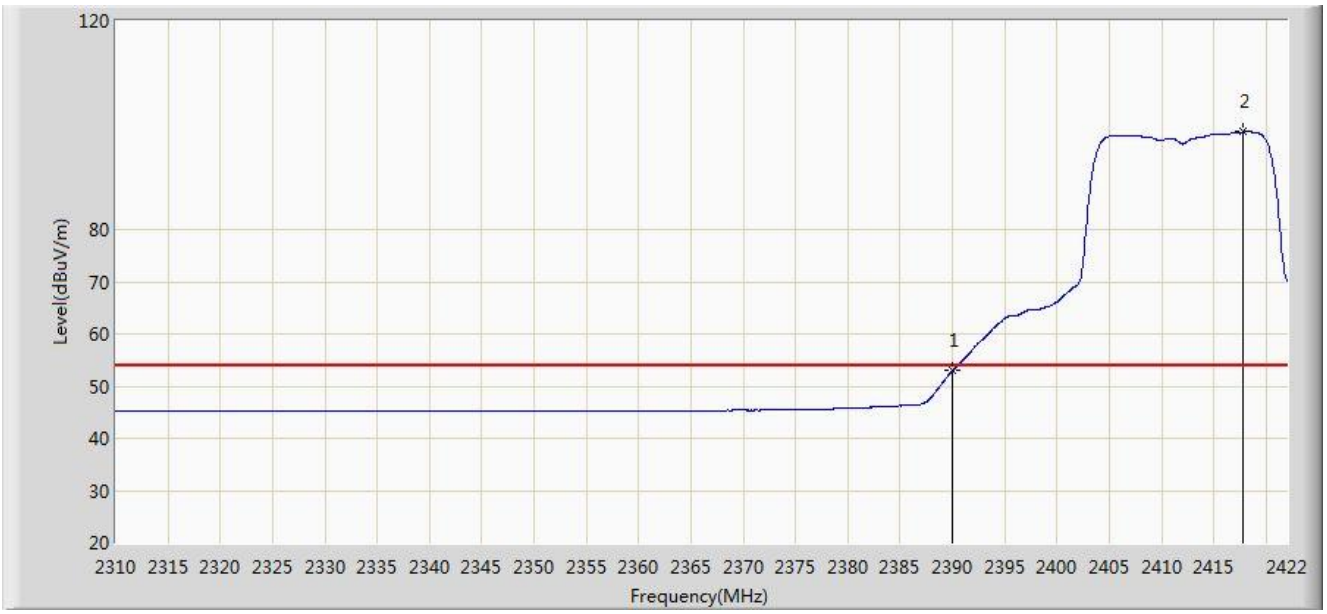


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	71.509	40.306	-2.491	74.000	31.203	PK
2		*	2417.240	108.456	77.295	N/A	N/A	31.160	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 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	52.900	21.697	-1.100	54.000	31.203	AV
2		*	2417.856	98.733	67.574	N/A	N/A	31.159	AV

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

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

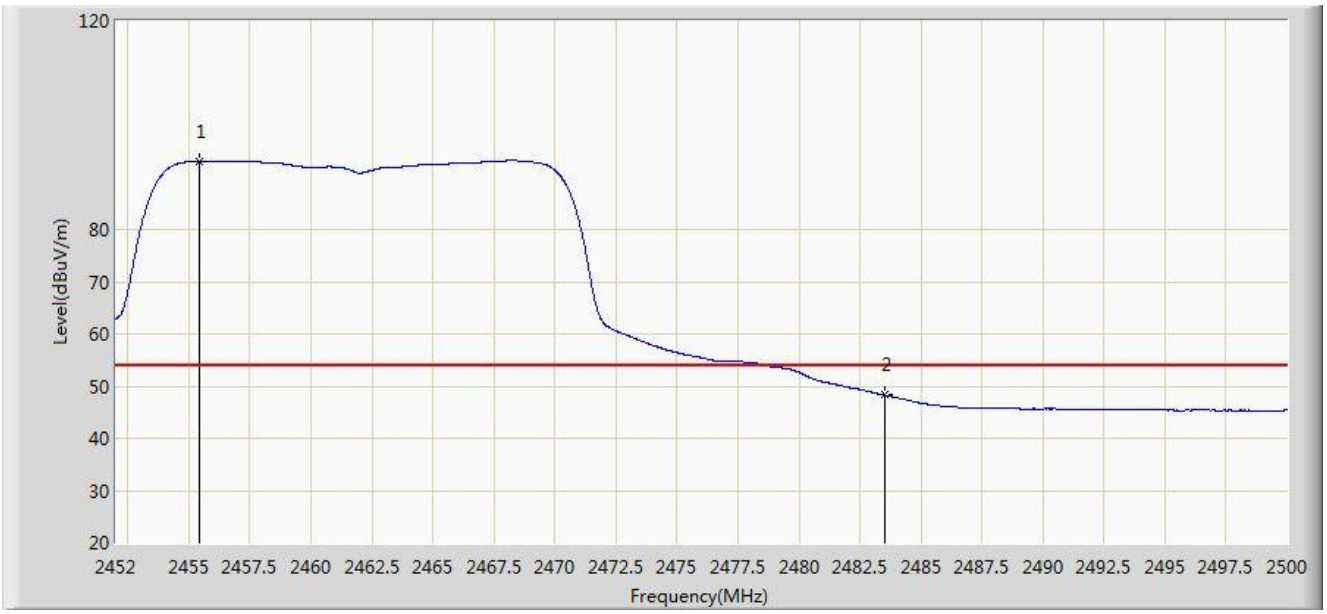
Site: AC1	Time: 2016/06/14 - 18:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.864	103.208	72.084	N/A	N/A	31.125	PK
2			2483.500	64.094	32.901	-9.906	74.000	31.194	PK
3			2483.584	64.968	33.774	-9.032	74.000	31.194	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 1	

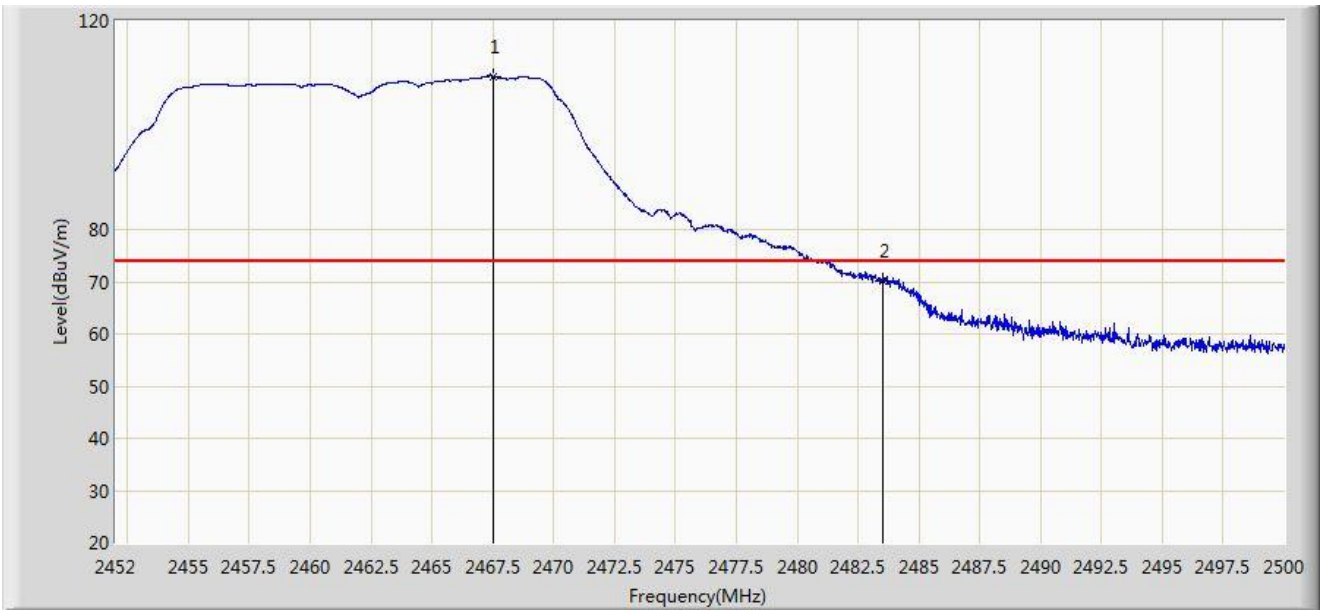


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.408	93.181	62.057	N/A	N/A	31.123	AV
2			2483.500	48.265	17.072	-5.735	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 1	

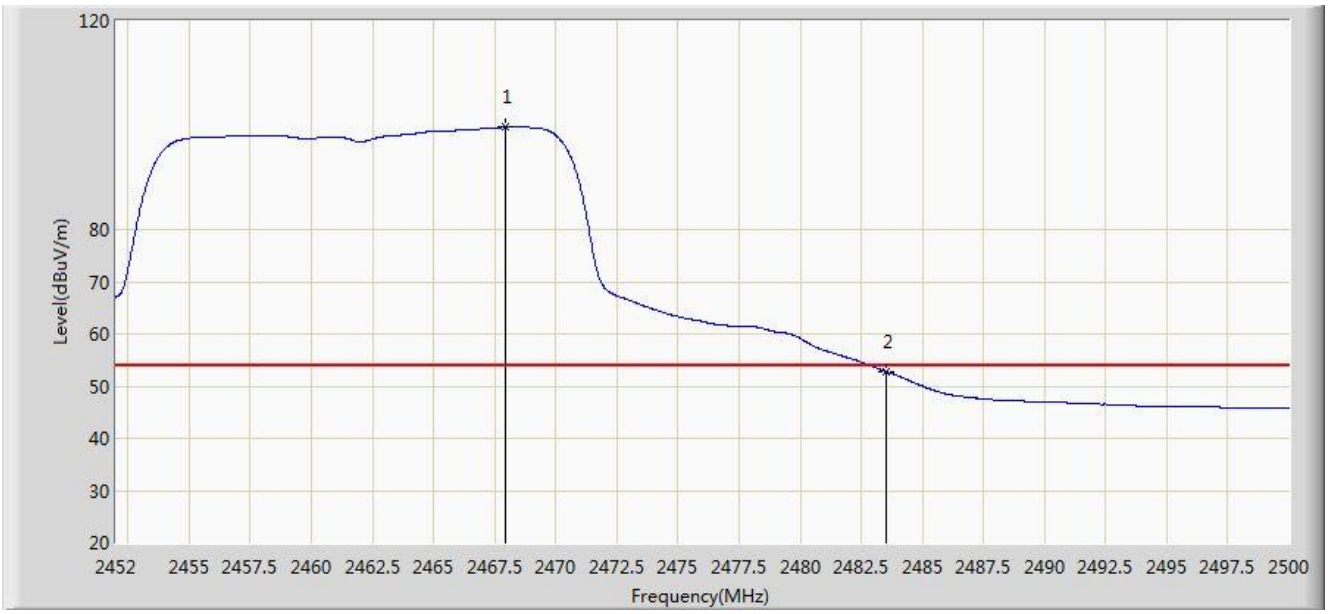


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.504	109.392	78.243	N/A	N/A	31.150	PK
2			2483.500	70.192	38.999	-3.808	74.000	31.194	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 1	

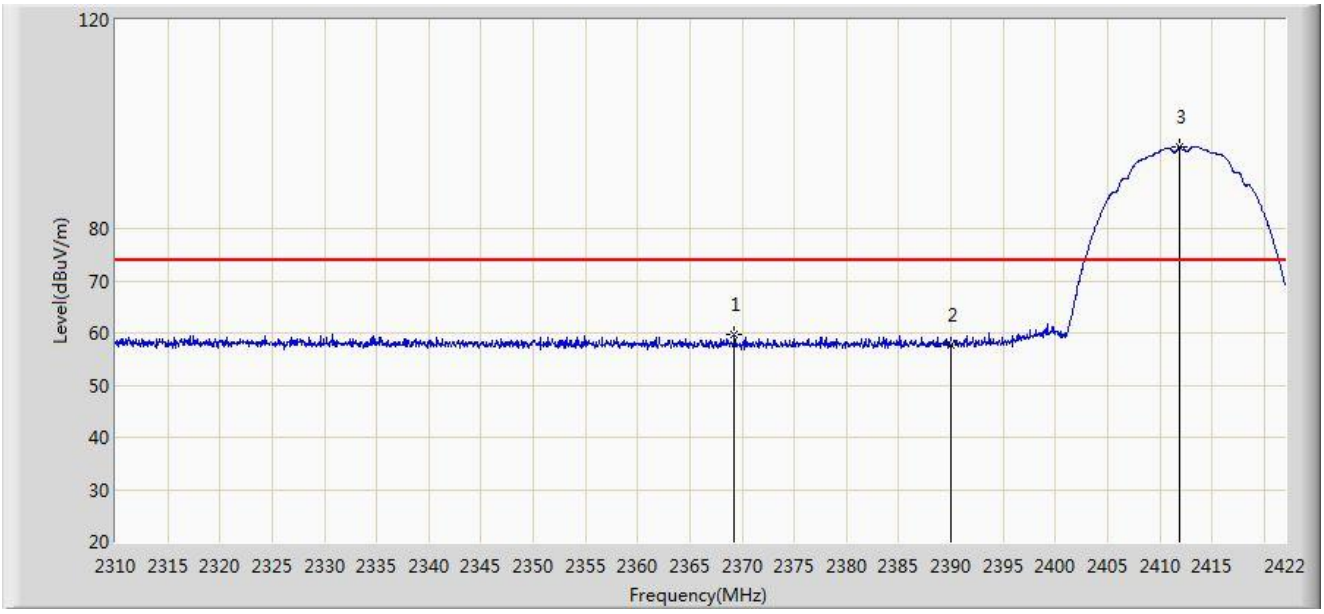


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.960	99.675	68.525	N/A	N/A	31.151	AV
2			2483.500	52.805	21.612	-1.195	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/20 - 20:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 2	

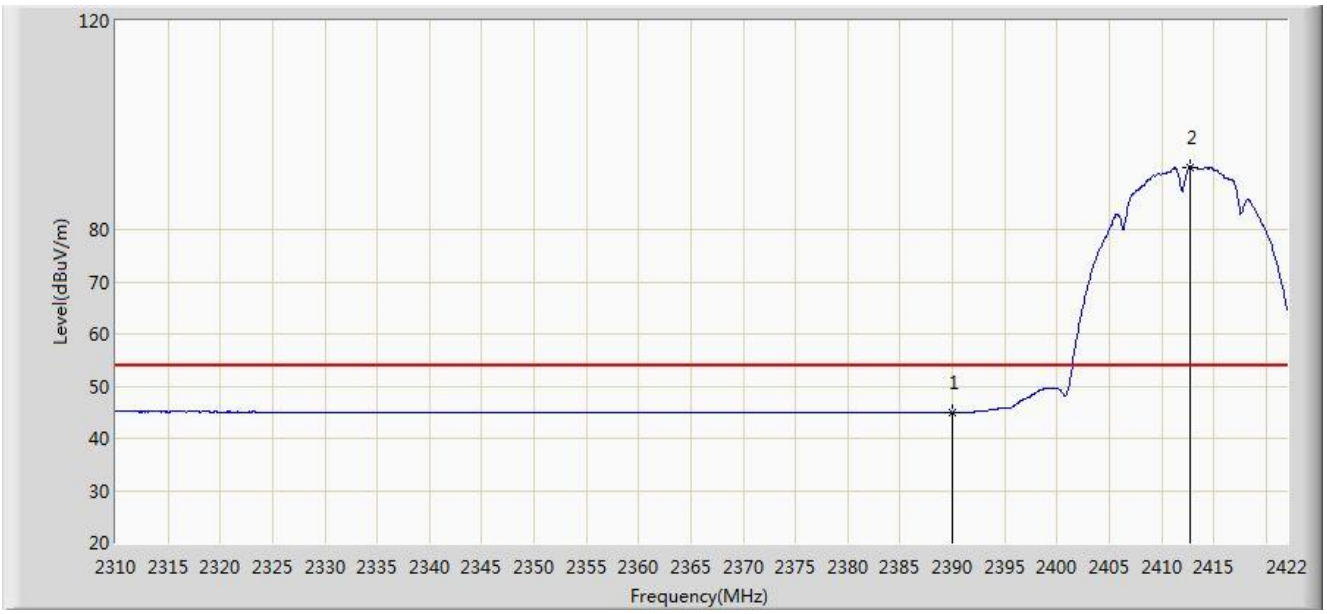


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2369.248	59.644	28.403	-14.356	74.000	31.242	PK
2			2390.000	57.692	26.489	-16.308	74.000	31.203	PK
3		*	2411.864	95.648	64.478	N/A	N/A	31.170	PK

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

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

Site: AC1	Time: 2016/06/20 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 2	

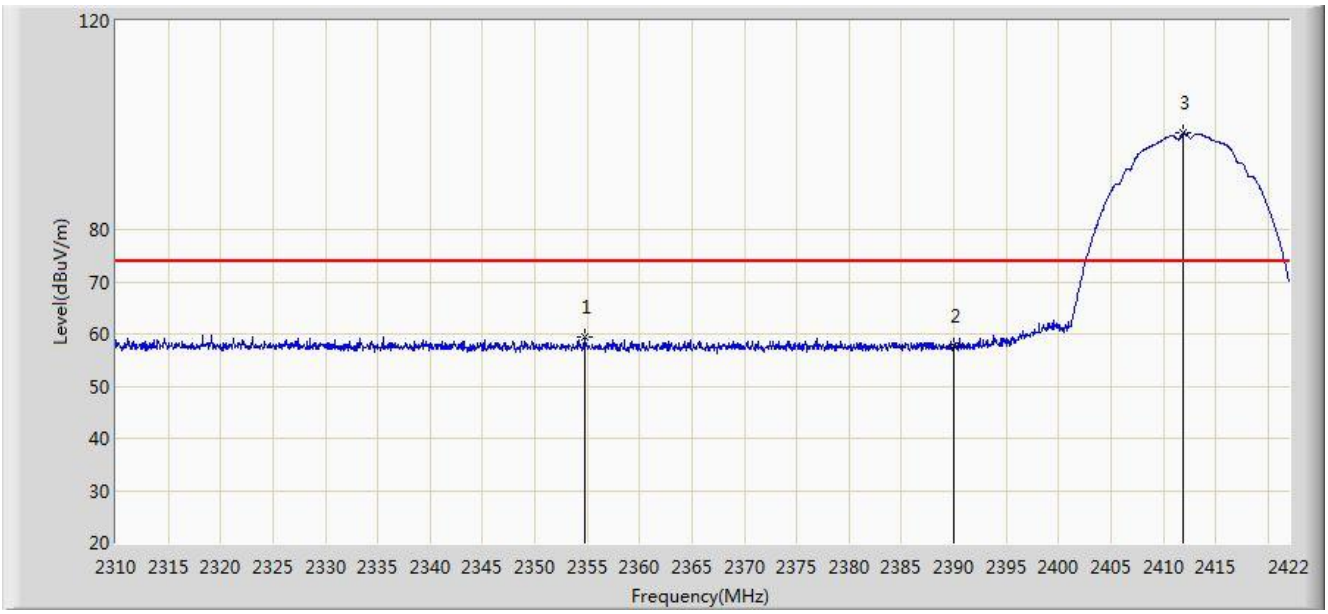


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.000	13.797	-9.000	54.000	31.203	AV
2		*	2412.704	91.990	60.822	N/A	N/A	31.168	AV

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

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

Site: AC1	Time: 2016/06/20 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 2	

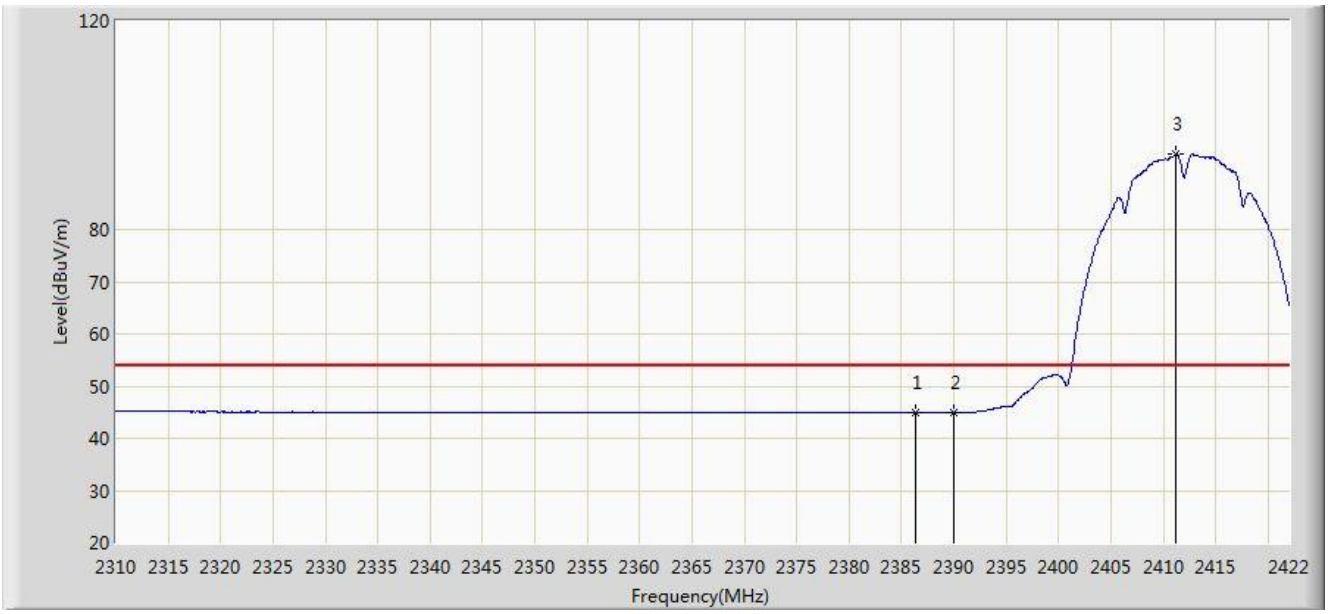


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2354.744	59.500	28.225	-14.500	74.000	31.275	PK
2			2390.000	57.764	26.561	-16.236	74.000	31.203	PK
3		*	2411.920	98.422	67.252	N/A	N/A	31.170	PK

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

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

Site: AC1	Time: 2016/06/20 - 20:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11b Ant 2	

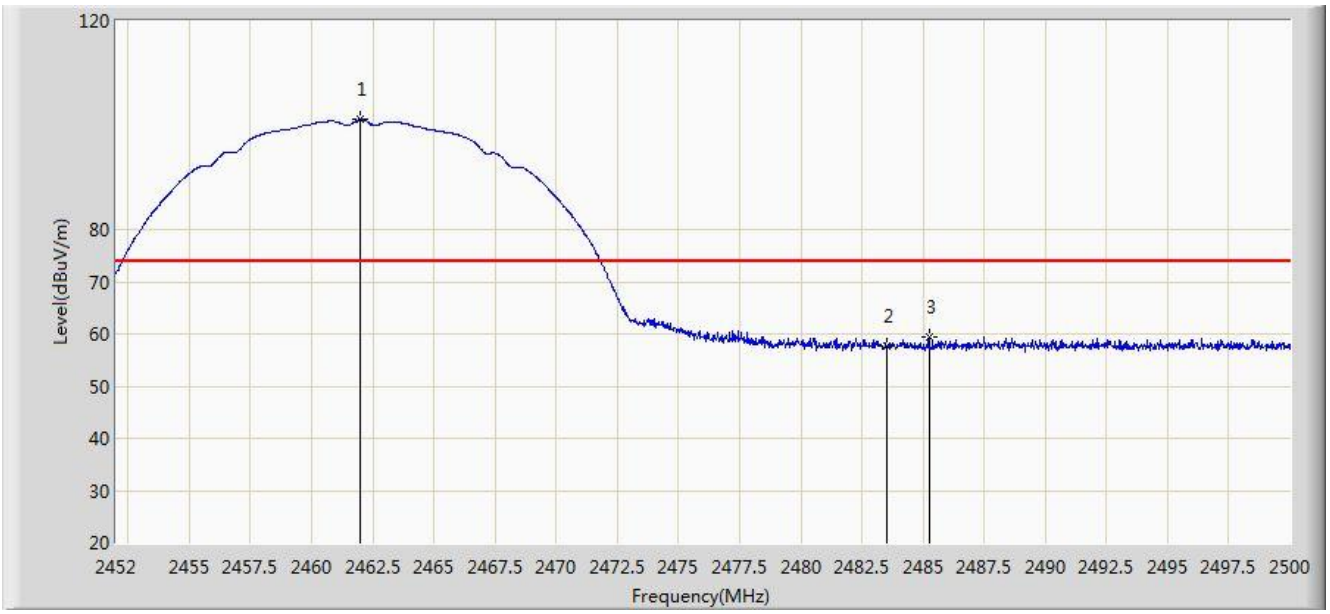


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.384	45.061	13.852	-8.939	54.000	31.209	AV
2			2390.000	44.985	13.782	-9.015	54.000	31.203	AV
3		*	2411.192	94.399	63.228	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2016/06/20 - 21:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 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	101.032	69.897	N/A	N/A	31.135	PK
2			2483.500	57.774	26.581	-16.226	74.000	31.194	PK
3			2485.240	59.319	28.121	-14.681	74.000	31.198	PK

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

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

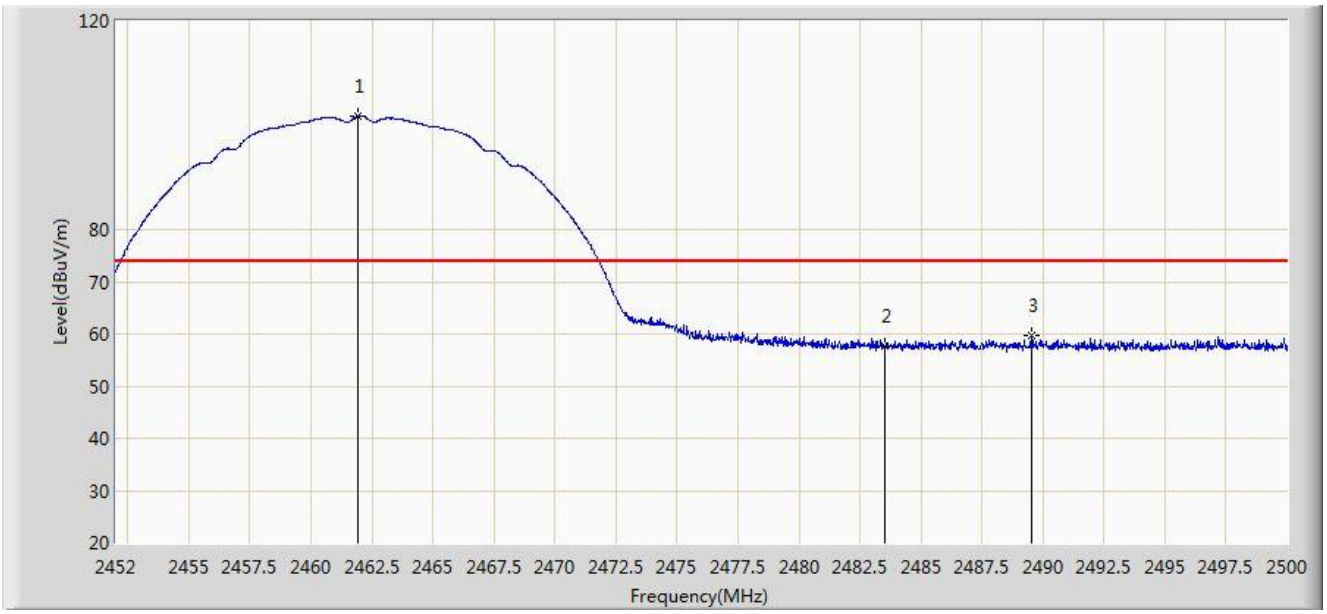
Site: AC1	Time: 2016/06/20 - 21:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 2	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	97.270	66.136	N/A	N/A	31.134	AV
2			2483.500	45.341	14.148	-8.659	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/20 - 21:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.912	101.637	70.502	N/A	N/A	31.135	PK
2			2483.500	57.630	26.437	-16.370	74.000	31.194	PK
3			2489.512	59.569	28.360	-14.431	74.000	31.209	PK

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

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

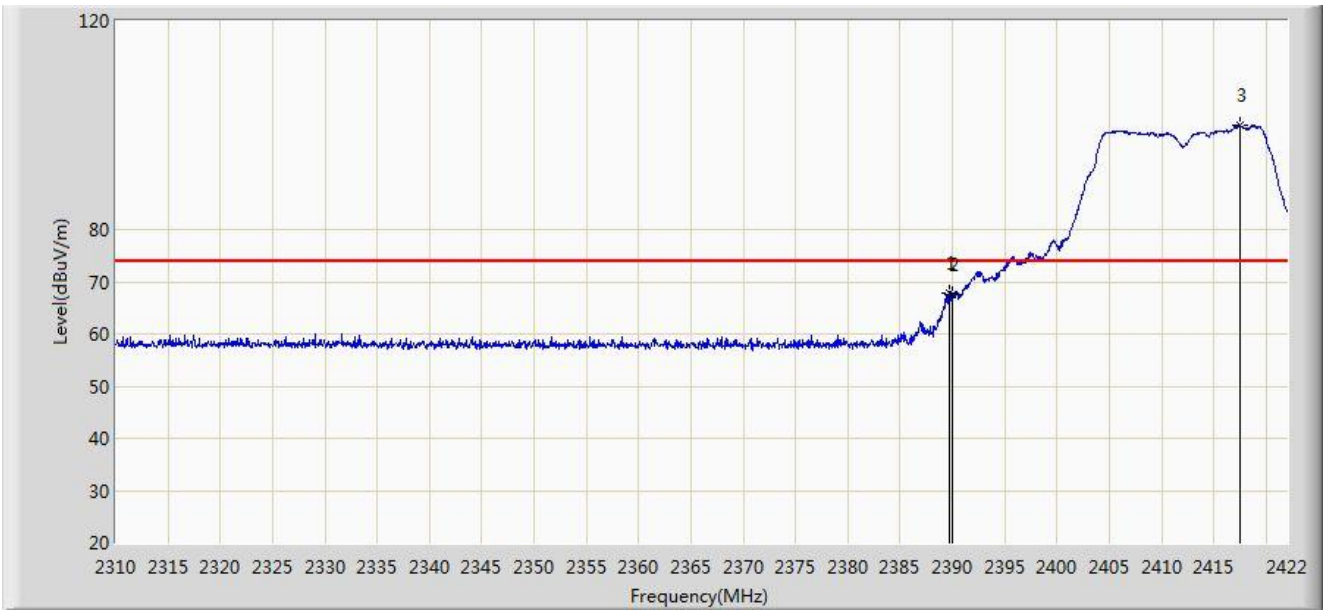
Site: AC1	Time: 2016/06/20 - 21:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11b Ant 2	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.680	97.490	66.353	N/A	N/A	31.137	AV
2			2483.500	45.185	13.992	-8.815	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/20 - 21:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 2	

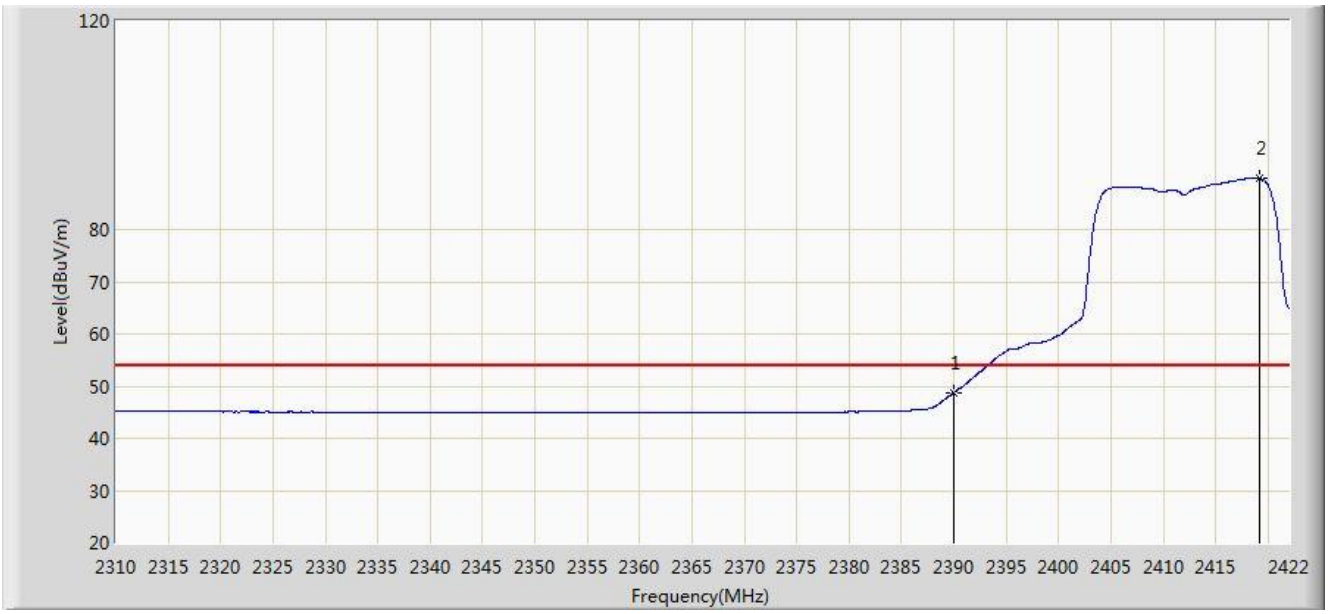


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.688	67.773	36.570	-6.227	74.000	31.204	PK
2			2390.000	67.398	36.195	-6.602	74.000	31.203	PK
3		*	2417.464	99.976	68.816	N/A	N/A	31.160	PK

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

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

Site: AC1	Time: 2016/06/20 - 21:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 2	

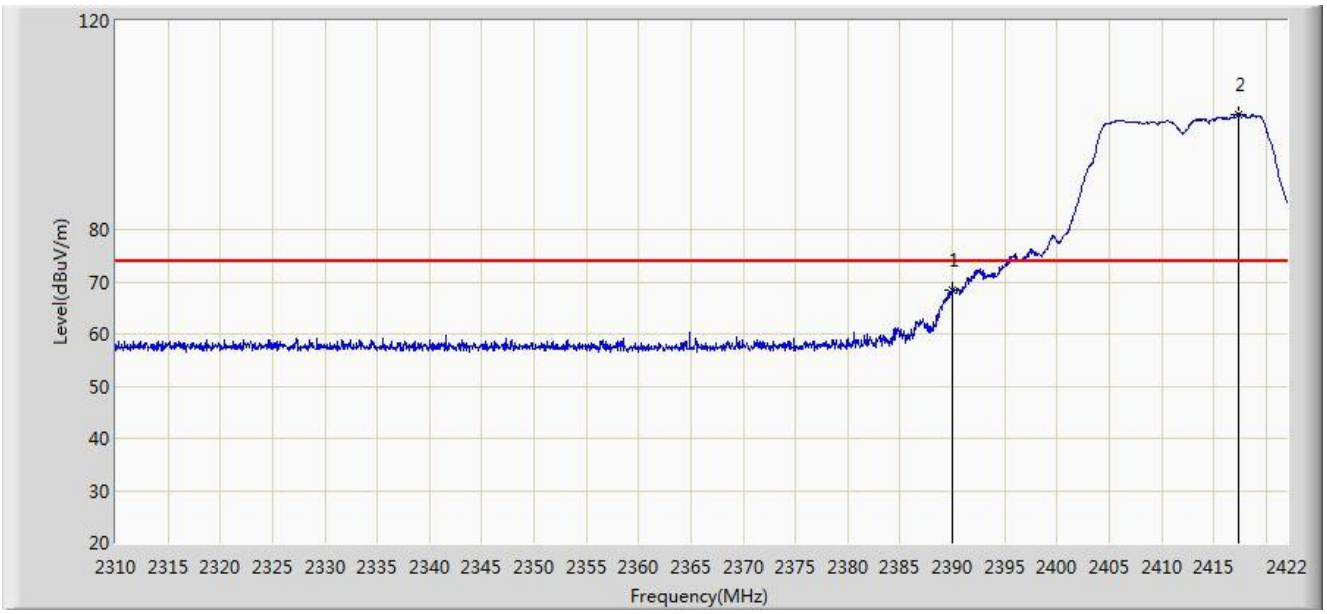


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.717	17.514	-5.283	54.000	31.203	AV
2		*	2419.144	89.809	58.652	N/A	N/A	31.157	AV

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

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

Site: AC1	Time: 2016/06/20 - 21:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 2	

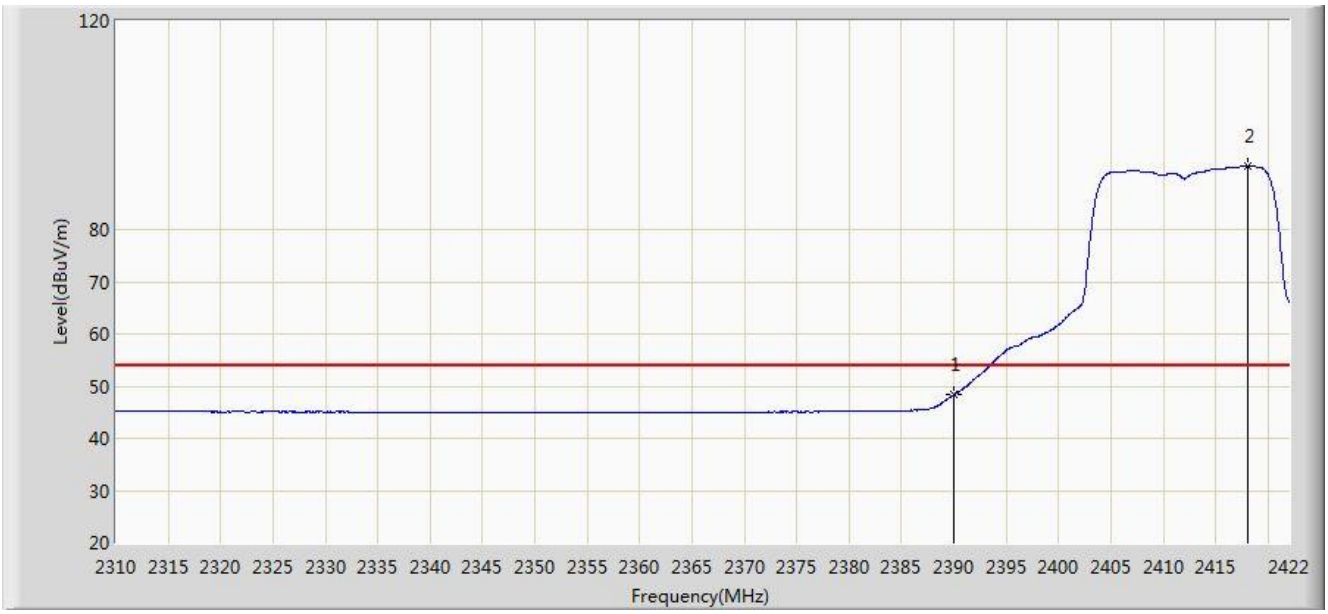


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	68.446	37.243	-5.554	74.000	31.203	PK
2		*	2417.408	102.161	71.001	N/A	N/A	31.160	PK

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

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

Site: AC1	Time: 2016/06/20 - 21:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11g Ant 2	

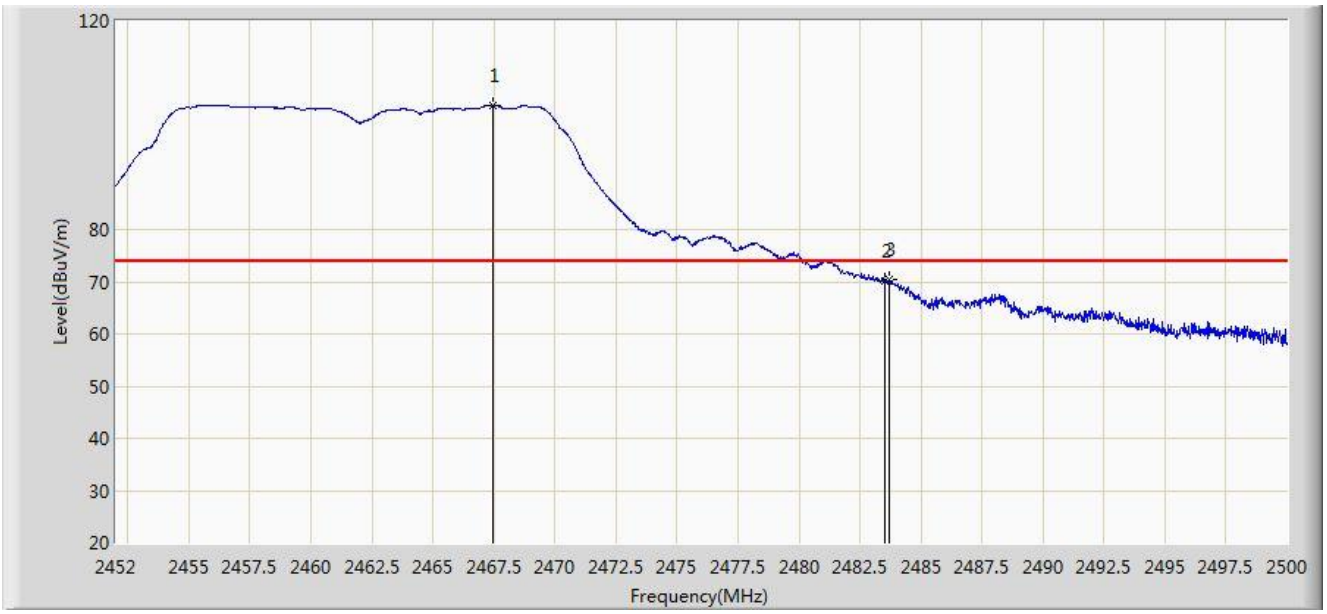


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.263	17.060	-5.737	54.000	31.203	AV
2		*	2418.136	92.198	61.039	N/A	N/A	31.159	AV

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

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

Site: AC1	Time: 2016/06/20 - 21:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 2	

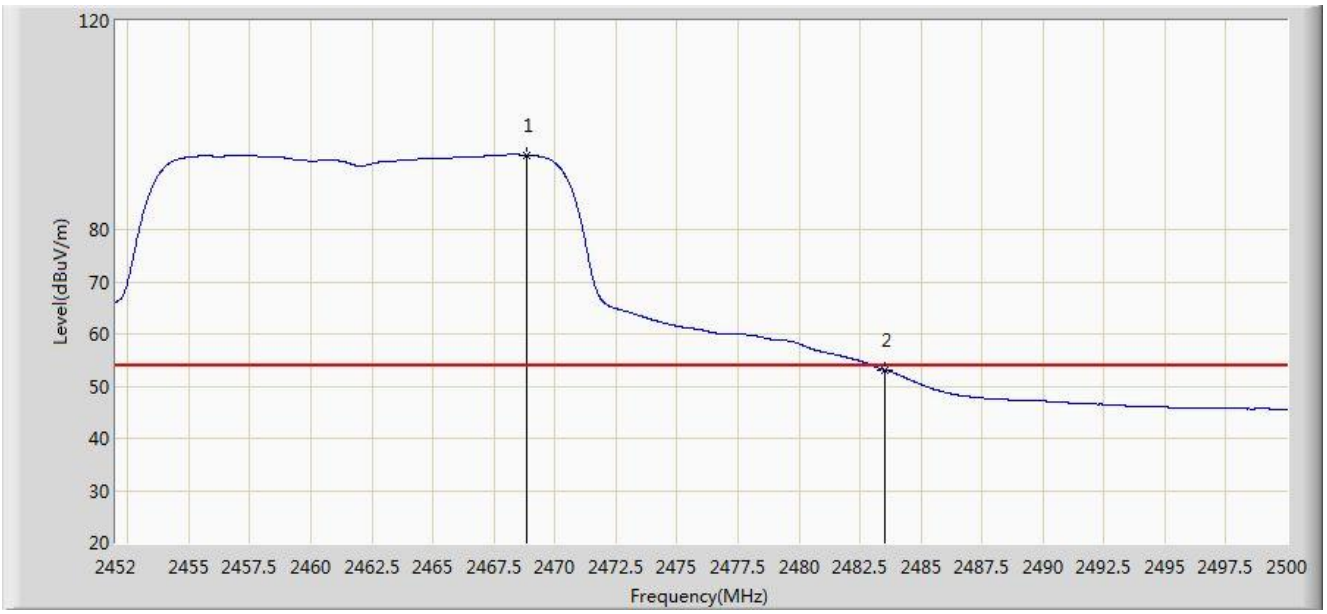


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.432	103.825	72.676	N/A	N/A	31.149	PK
2			2483.500	70.066	38.873	-3.934	74.000	31.194	PK
3			2483.704	70.470	39.276	-3.530	74.000	31.194	PK

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

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

Site: AC1	Time: 2016/06/20 - 21:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 2	

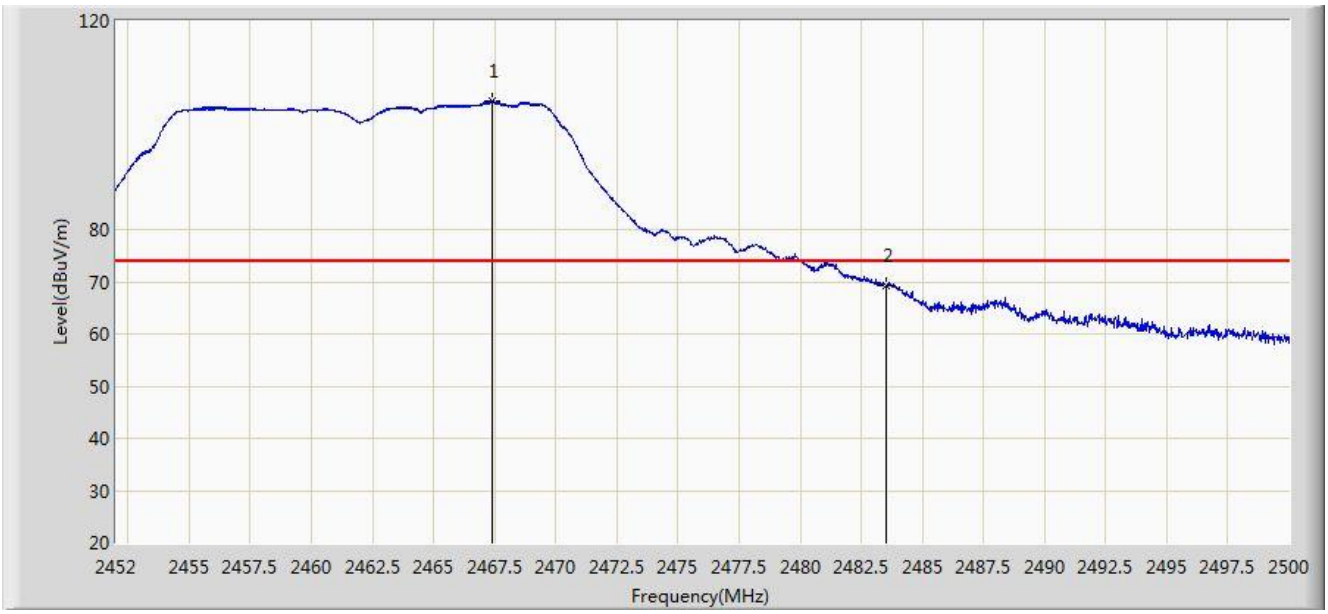


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.848	94.222	63.069	N/A	N/A	31.153	AV
2			2483.500	53.135	21.942	-0.865	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/20 - 21:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 2	

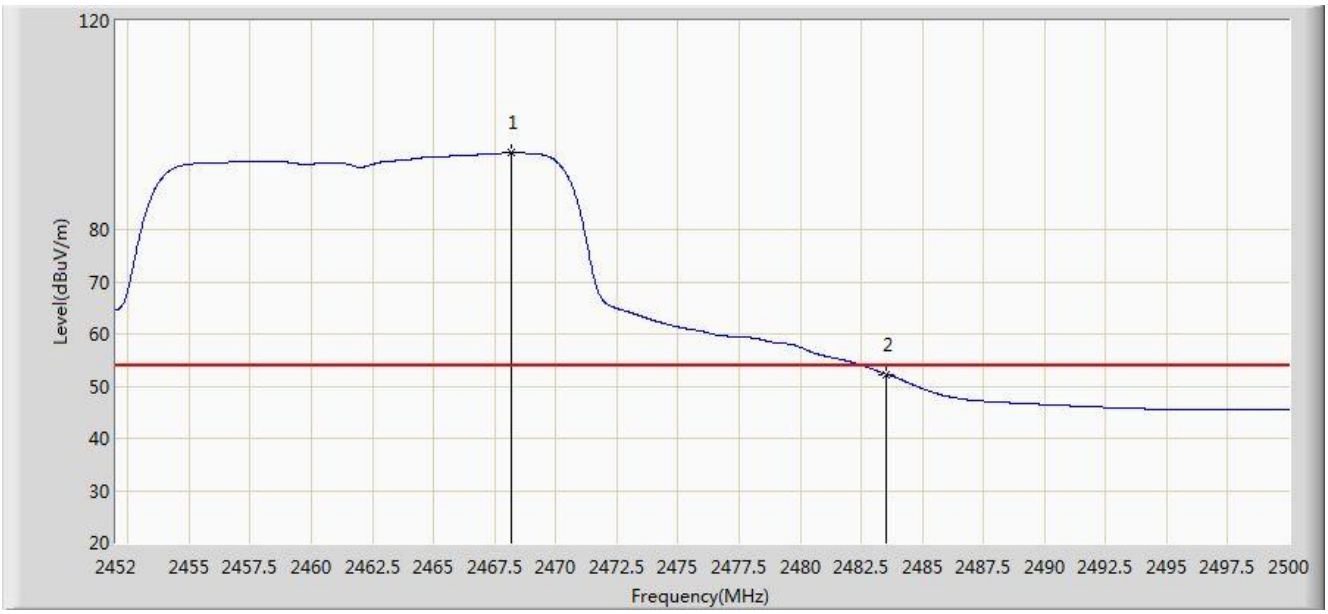


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.384	104.536	73.387	N/A	N/A	31.148	PK
2			2483.500	69.334	38.141	-4.666	74.000	31.194	PK

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

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

Site: AC1	Time: 2016/06/20 - 21:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11g Ant 2	

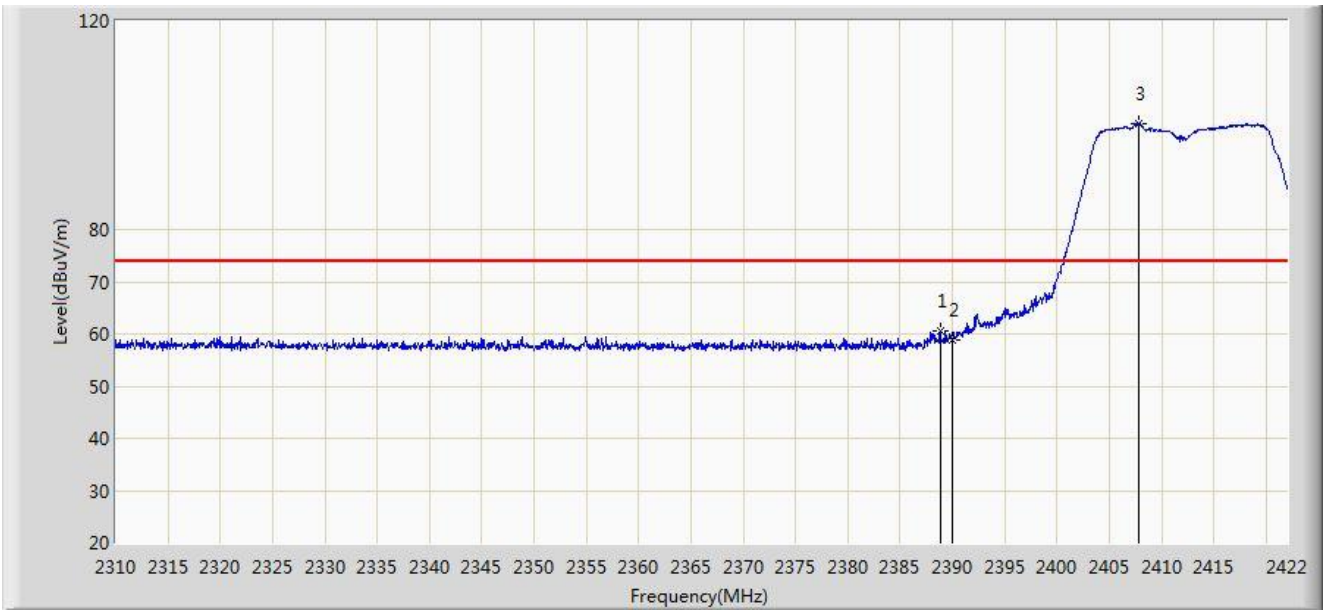


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.176	94.759	63.608	N/A	N/A	31.151	AV
2			2483.500	52.296	21.103	-1.704	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 Ant 1 + 2	

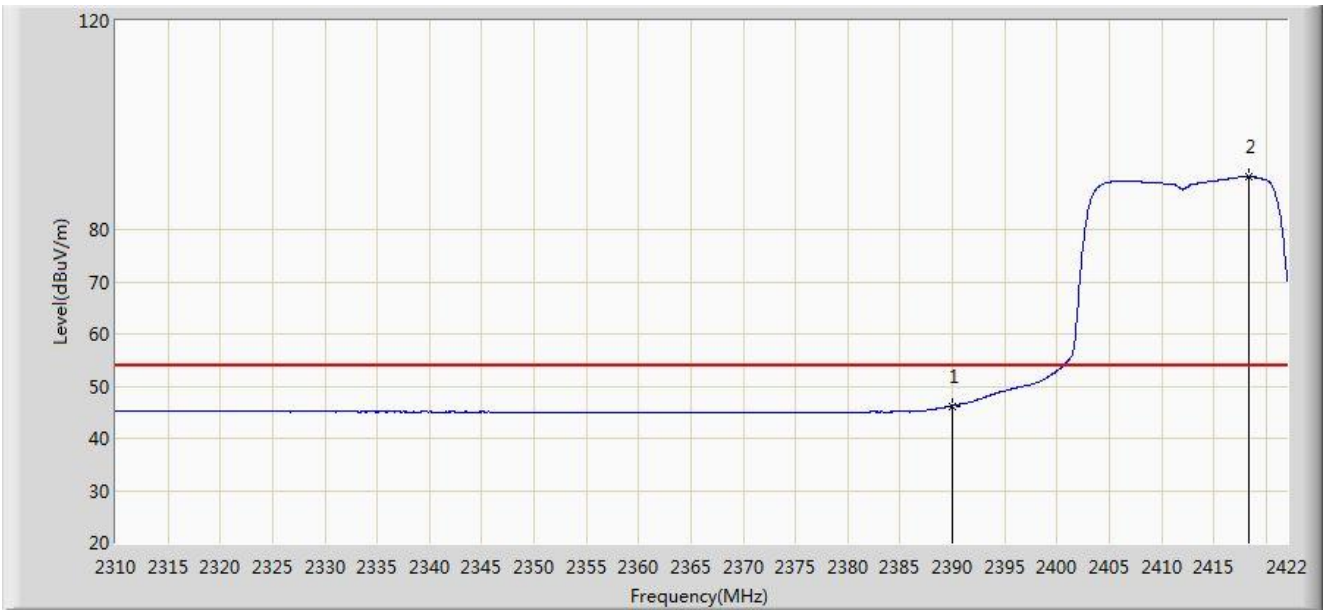


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.848	60.449	29.244	-13.551	74.000	31.205	PK
2			2390.000	58.837	27.634	-15.163	74.000	31.203	PK
3		*	2407.832	100.311	69.135	N/A	N/A	31.176	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 Ant 1 + 2	

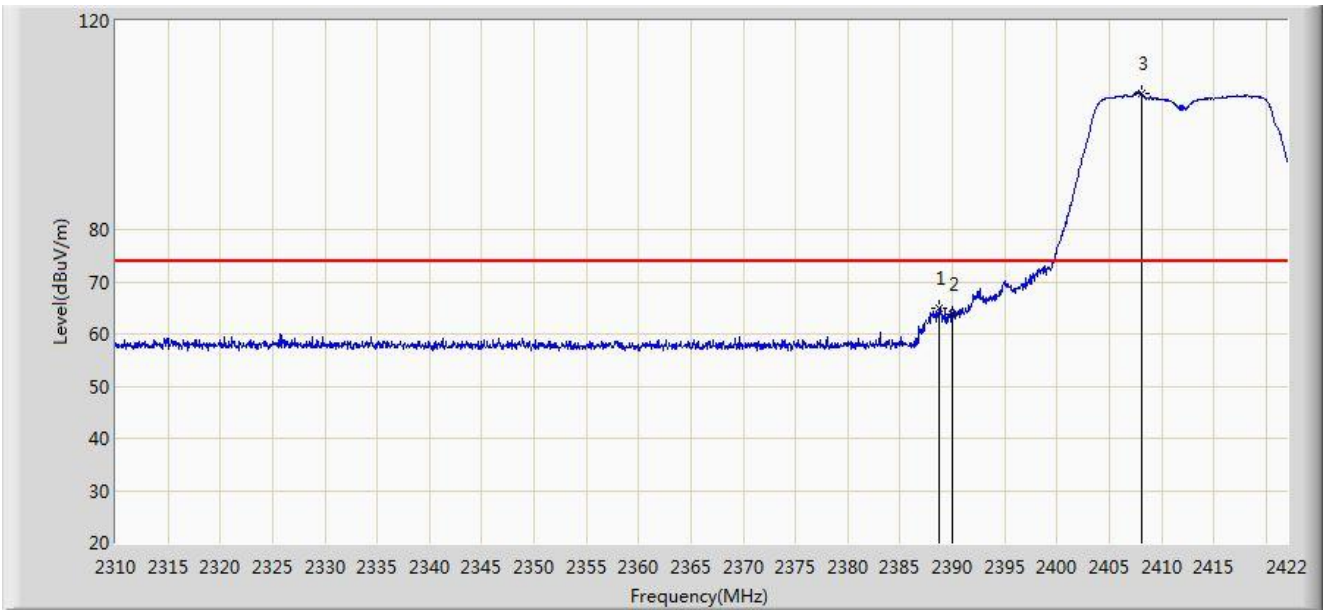


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.231	15.028	-7.769	54.000	31.203	AV
2		*	2418.360	90.032	58.873	N/A	N/A	31.159	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 Ant 1 + 2	

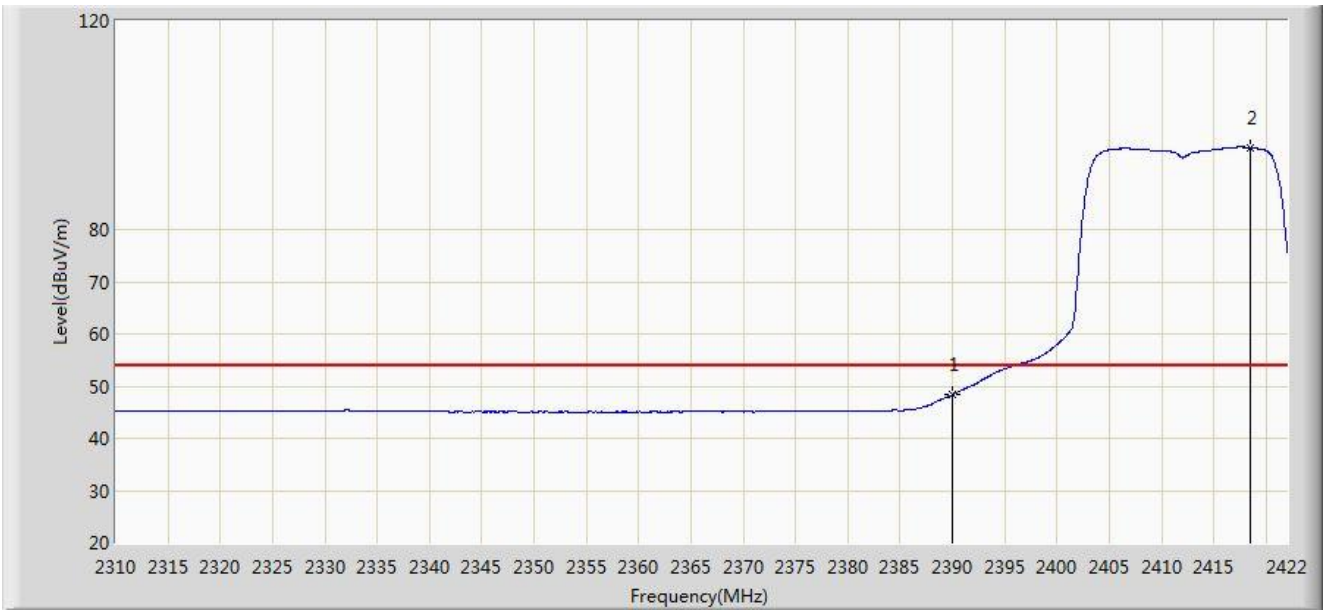


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.680	65.048	33.843	-8.952	74.000	31.205	PK
2			2390.000	63.840	32.637	-10.160	74.000	31.203	PK
3		*	2408.056	106.193	75.018	N/A	N/A	31.176	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 Ant 1 + 2	

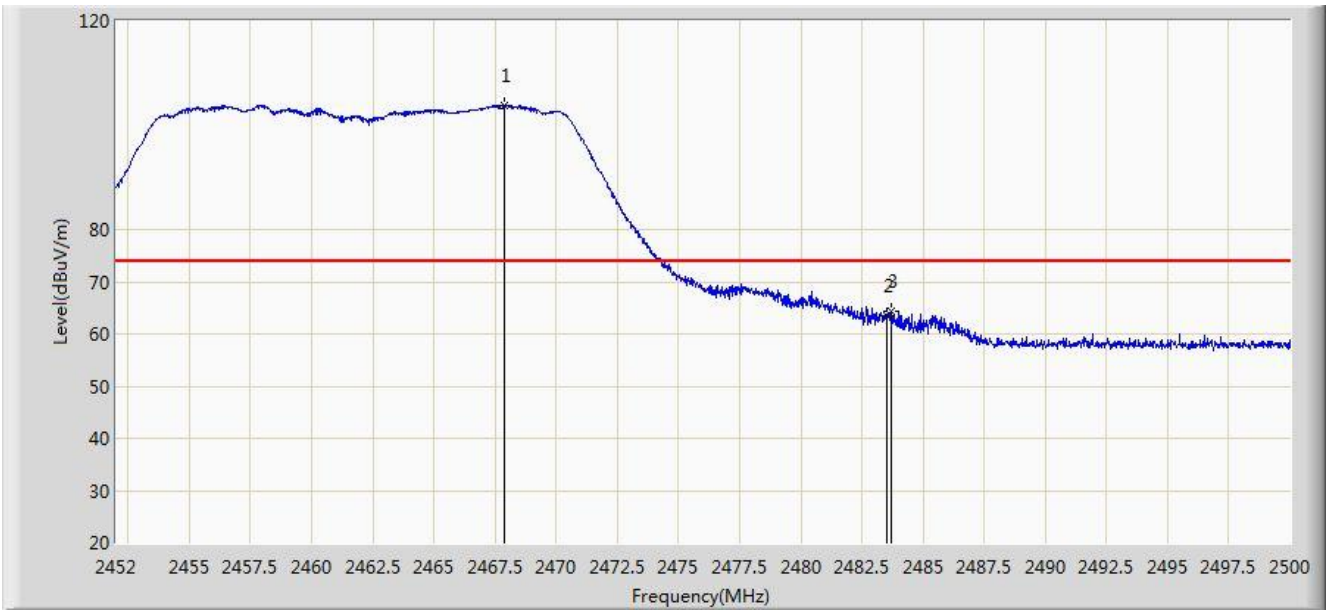


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.333	17.130	-5.667	54.000	31.203	AV
2		*	2418.472	95.764	64.606	N/A	N/A	31.159	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 Ant 1 + 2	

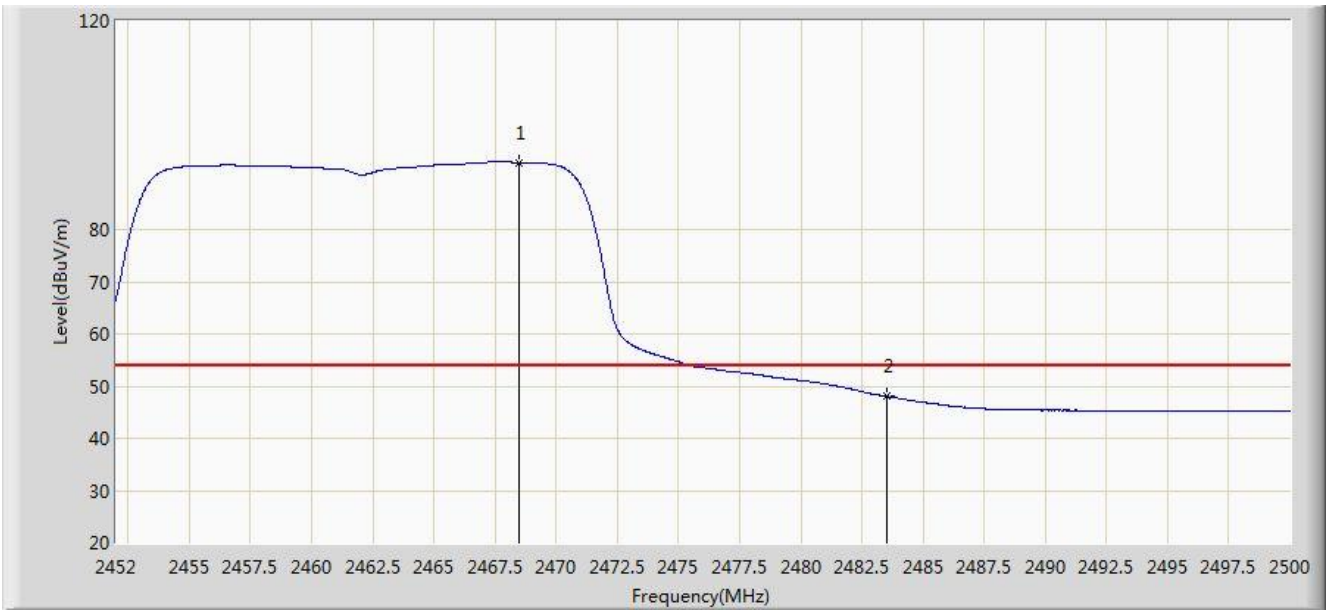


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.864	103.831	72.681	N/A	N/A	31.150	PK
2			2483.500	63.341	32.148	-10.659	74.000	31.194	PK
3			2483.704	64.465	33.271	-9.535	74.000	31.194	PK

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

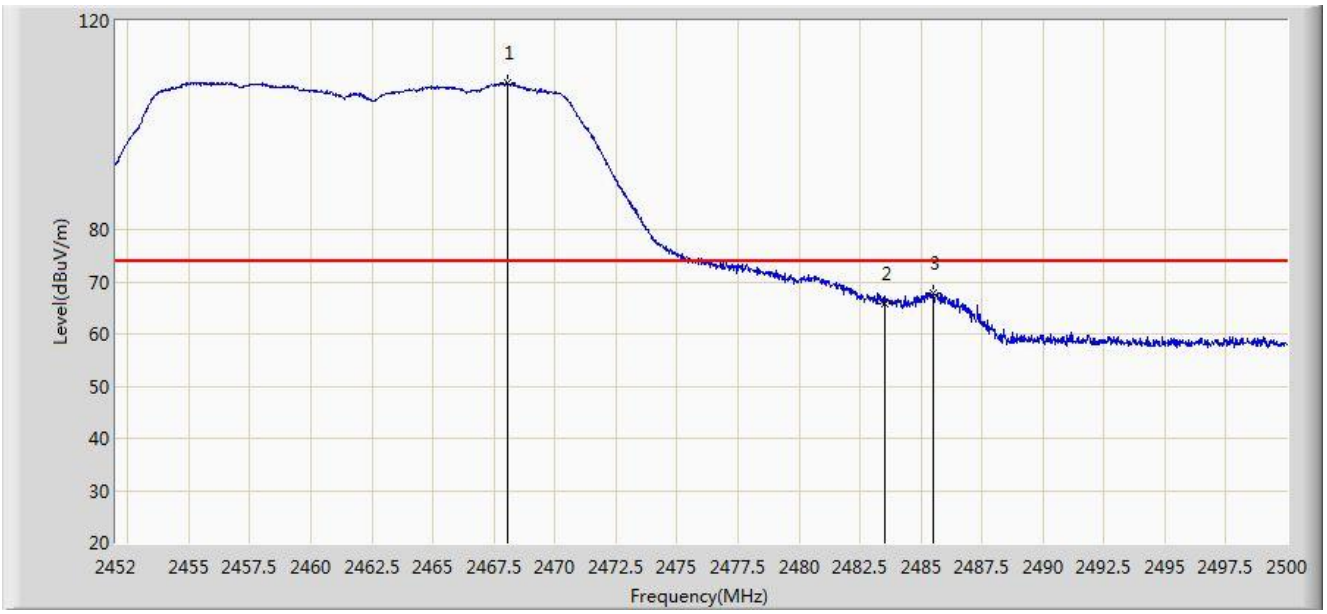
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2016/06/14 - 18:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 Ant 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.464	92.868	61.716	N/A	N/A	31.151	AV
2			2483.500	48.040	16.847	-5.960	54.000	31.194	AV

Site: AC1	Time: 2016/06/14 - 18:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 Ant 1 + 2	

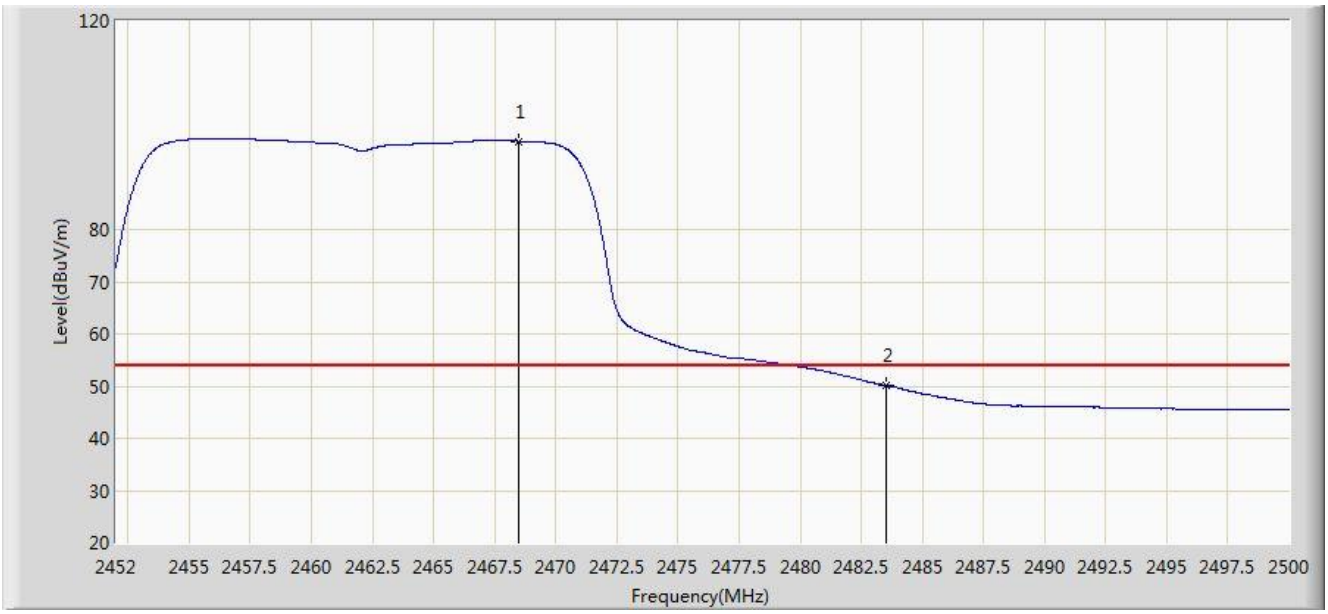


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.032	108.051	76.900	N/A	N/A	31.151	PK
2			2483.500	65.744	34.551	-8.256	74.000	31.194	PK
3			2485.528	67.786	36.587	-6.214	74.000	31.198	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 Ant 1 + 2	

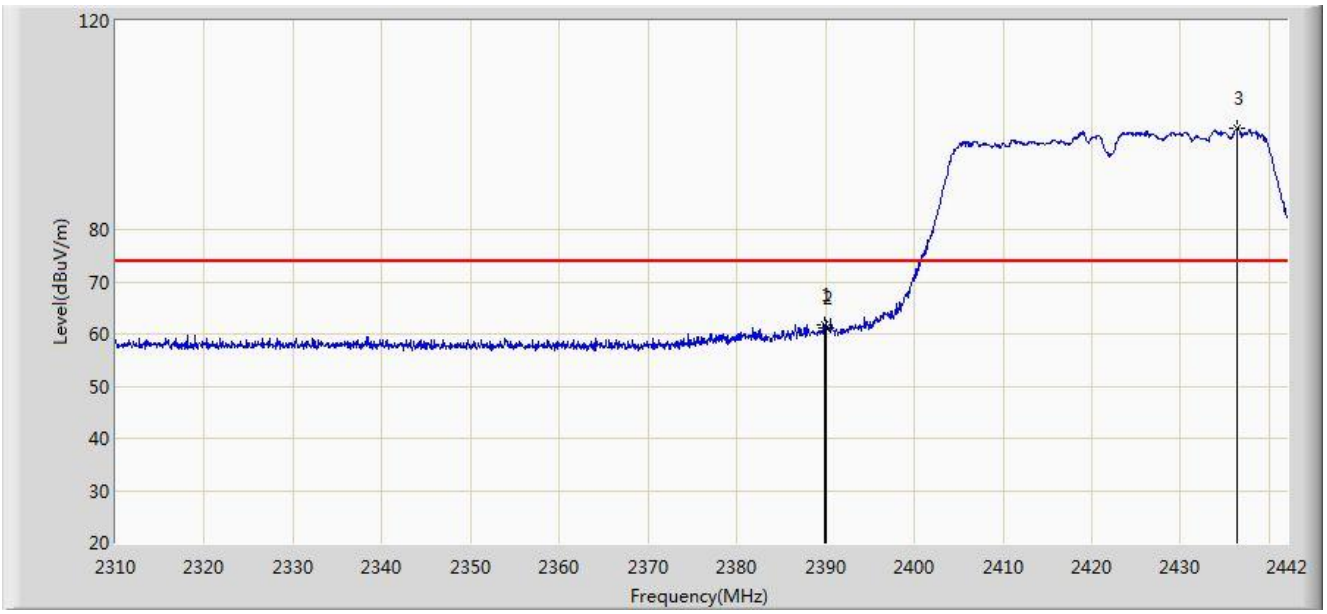


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.464	96.955	65.803	N/A	N/A	31.151	AV
2			2483.500	50.158	18.965	-3.842	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 Ant 1 + 2	

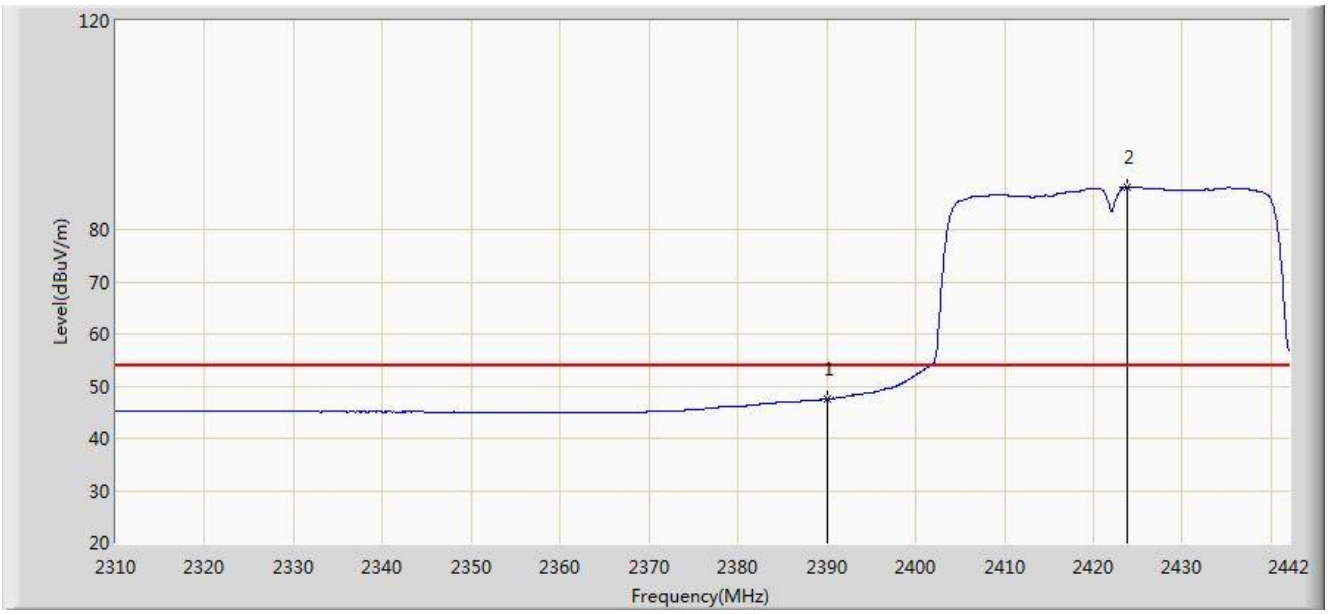


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.860	61.865	30.662	-12.135	74.000	31.203	PK
2			2390.000	61.230	30.027	-12.770	74.000	31.203	PK
3		*	2436.390	99.389	68.263	N/A	N/A	31.126	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 Ant 1 + 2	

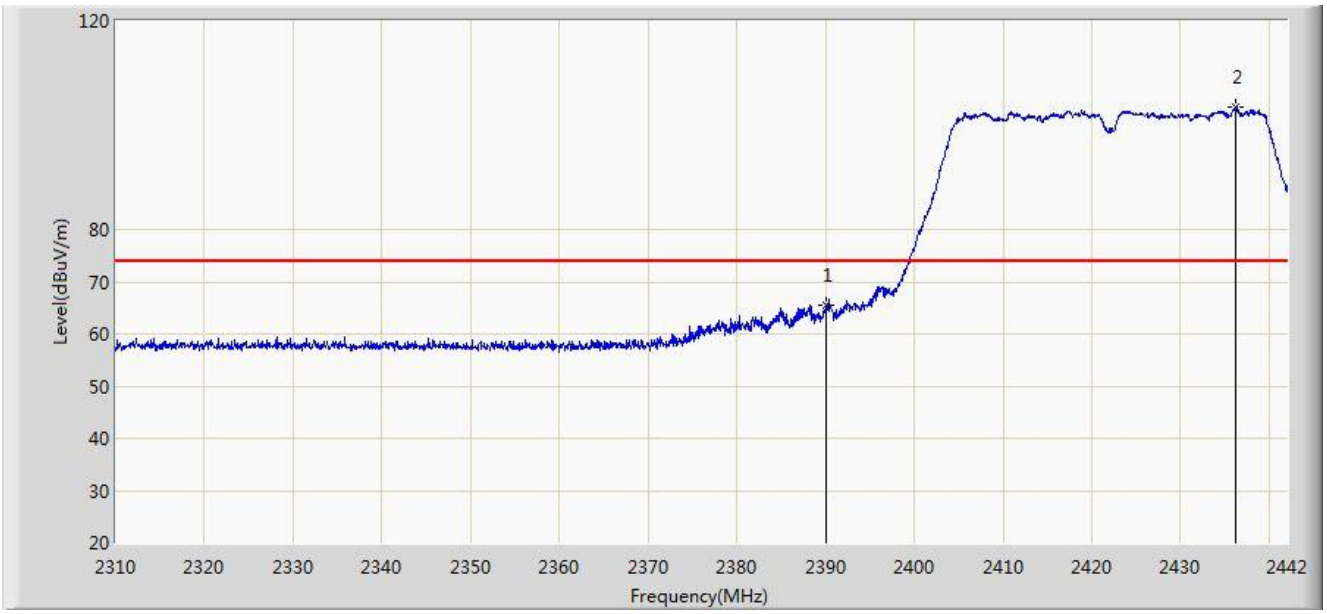


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.541	16.338	-6.459	54.000	31.203	AV
2		*	2423.850	88.112	56.963	N/A	N/A	31.149	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 Ant 1 + 2	

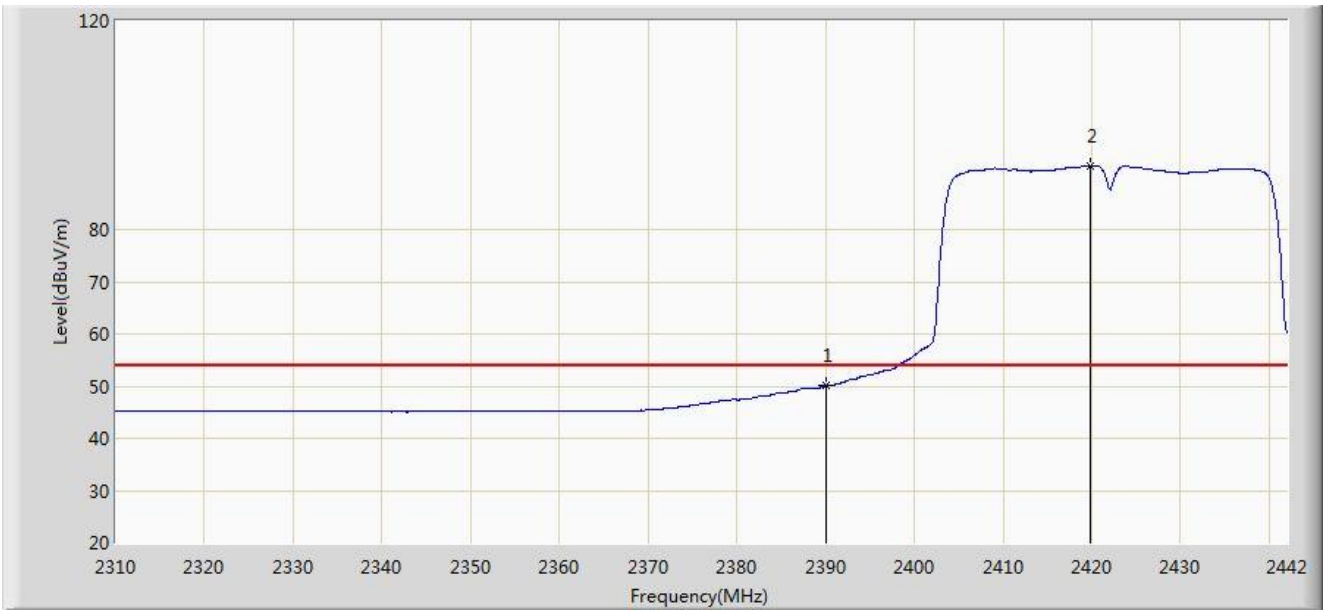


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	65.465	34.262	-8.535	74.000	31.203	PK
2		*	2436.192	103.430	72.304	N/A	N/A	31.126	PK

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

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

Site: AC1	Time: 2016/06/14 - 18:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 Ant 1 + 2	

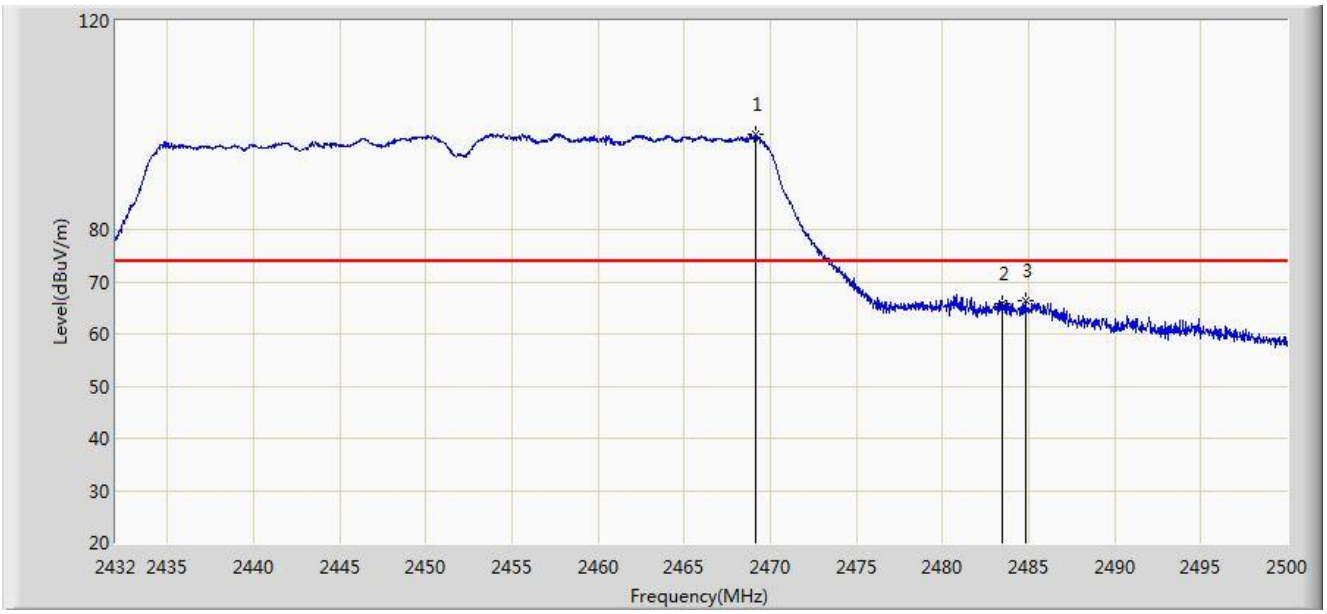


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.149	18.946	-3.851	54.000	31.203	AV
2		*	2419.758	92.233	61.077	N/A	N/A	31.157	AV

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

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

Site: AC1	Time: 2016/06/14 - 18:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 Ant 1 + 2	

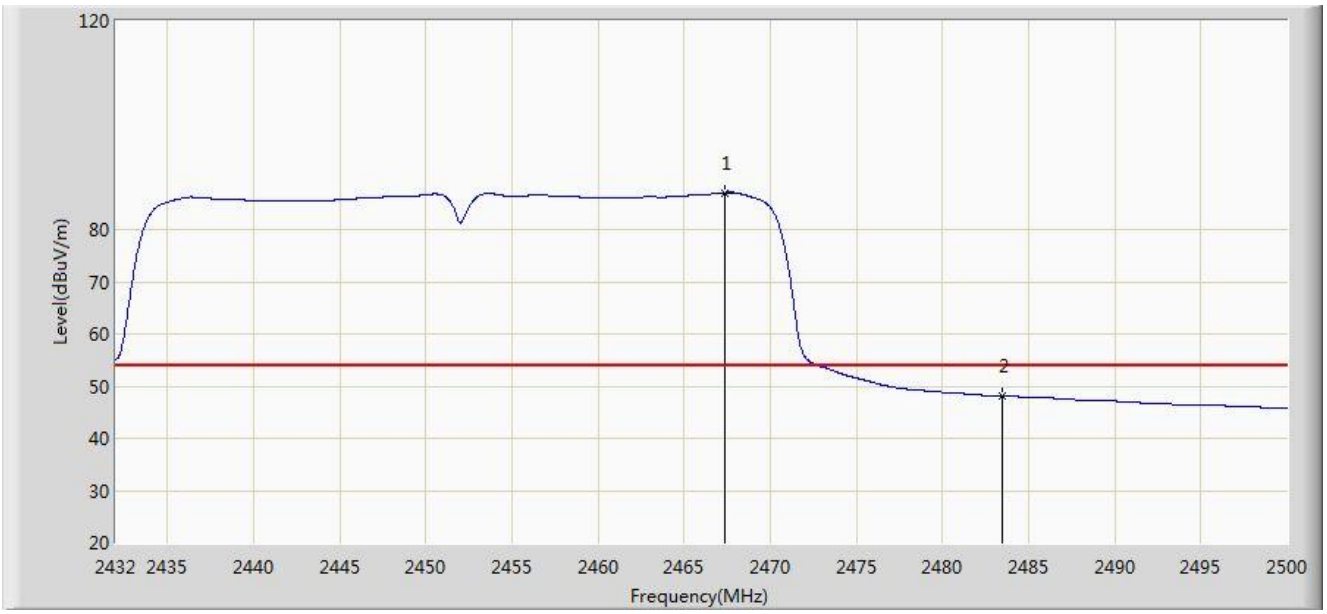


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2469.162	98.235	67.081	N/A	N/A	31.154	PK
2			2483.500	65.669	34.476	-8.331	74.000	31.194	PK
3			2484.802	66.385	35.188	-7.615	74.000	31.197	PK

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

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

Site: AC1	Time: 2016/06/14 - 19:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 Ant 1 + 2	

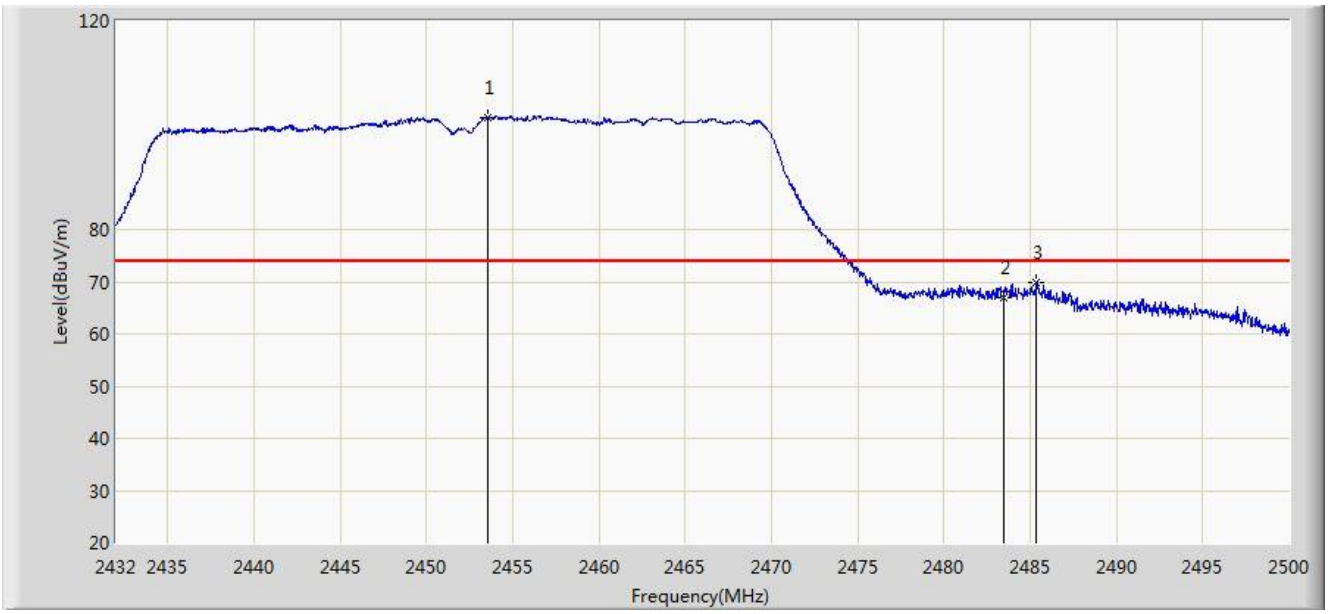


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.394	87.069	55.920	N/A	N/A	31.148	AV
2			2483.500	48.157	16.964	-5.843	54.000	31.194	AV

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

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

Site: AC1	Time: 2016/06/14 - 19:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 Ant 1 + 2	

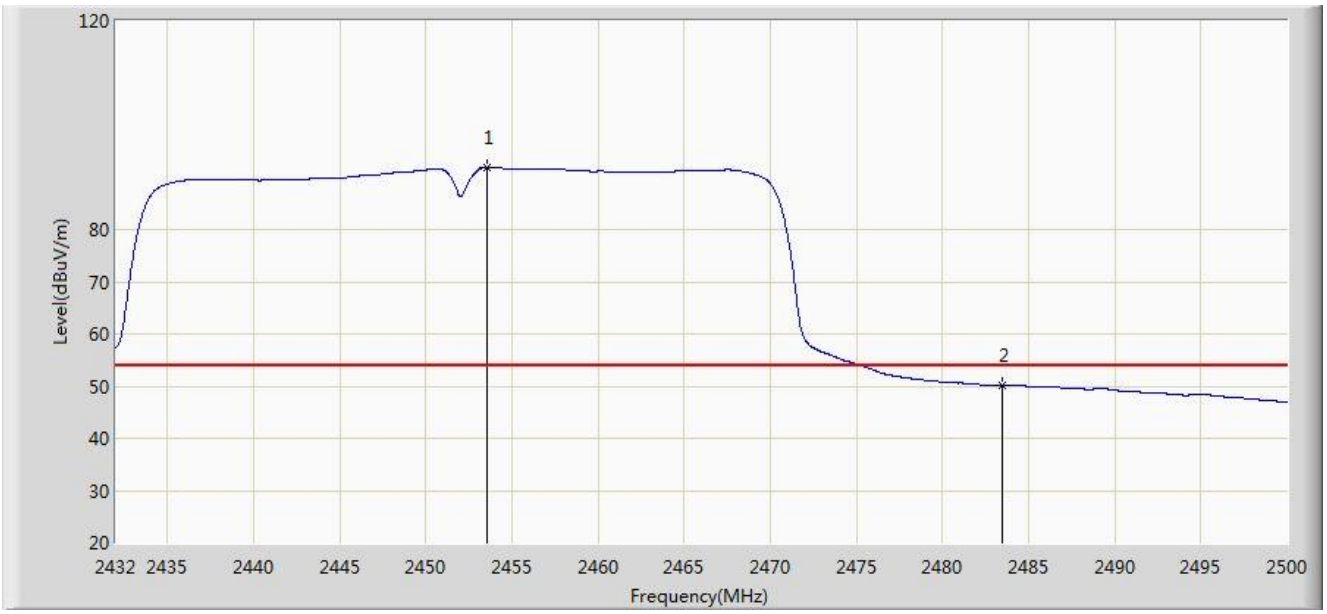


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.556	101.558	70.438	N/A	N/A	31.121	PK
2			2483.500	66.981	35.788	-7.019	74.000	31.194	PK
3			2485.380	69.807	38.609	-4.193	74.000	31.198	PK

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

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

Site: AC1	Time: 2016/06/14 - 19:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIFI Module	Power: DC 5V
Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 Ant 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.522	91.957	60.837	N/A	N/A	31.121	AV
2			2483.500	50.195	19.002	-3.805	54.000	31.194	AV

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

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

7.8. AC Conducted Emissions Measurement

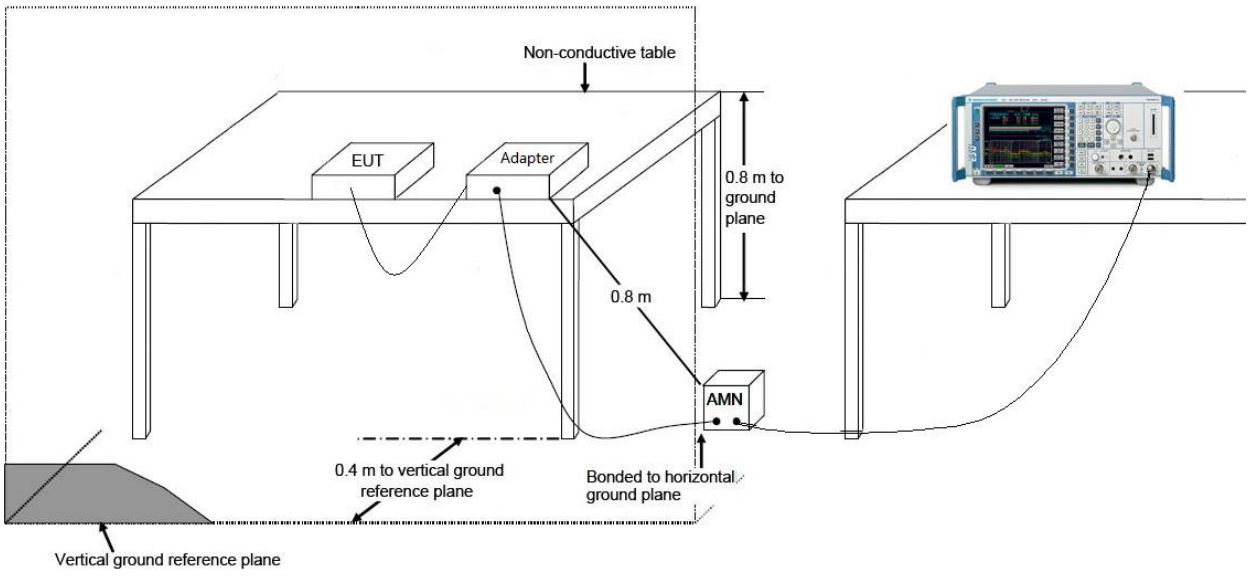
7.8.1. Test Limit

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.

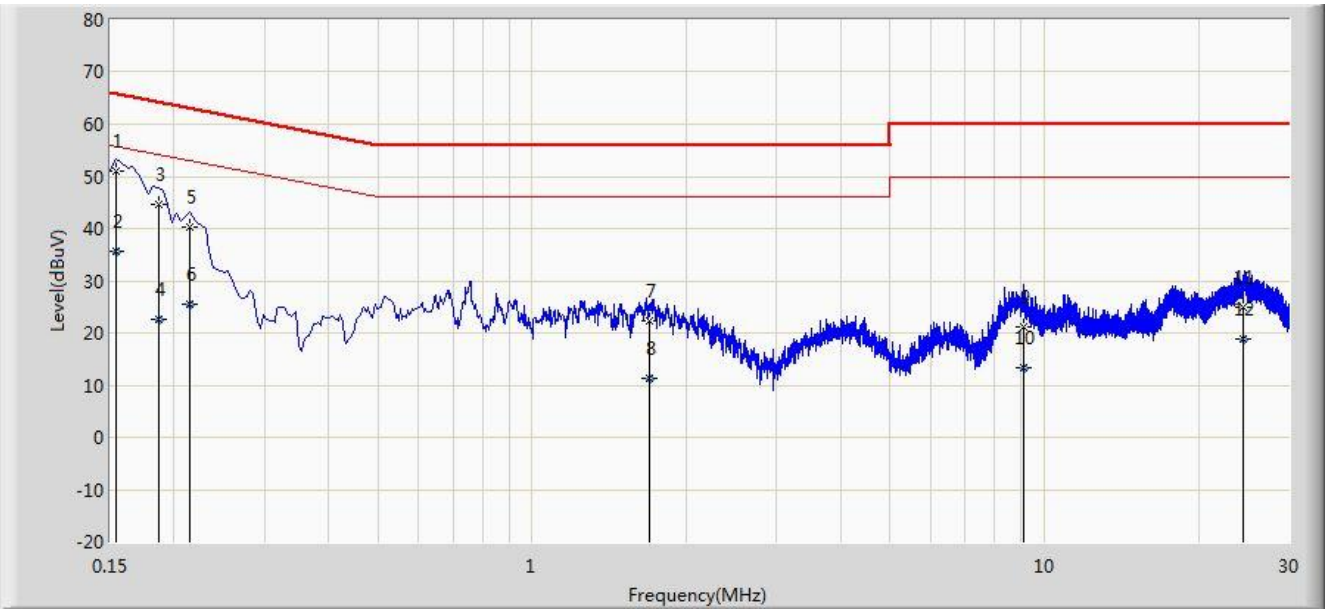
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

Site: SR2	Time: 2016/06/20 - 09:47
Limit: FCC_Part15.207_CE	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: WIFI Module	Power: AC 120V/60Hz
Note: Mode 1	

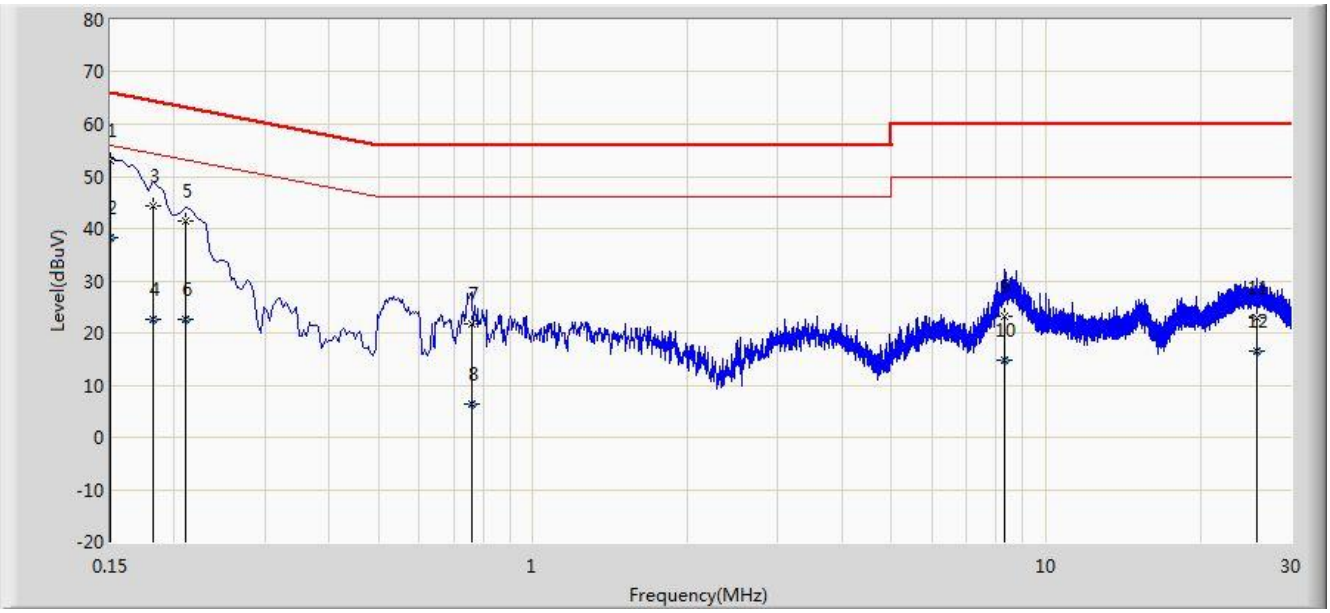


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	50.962	40.222	-14.820	65.781	10.740	QP
2			0.154	35.560	24.821	-20.221	55.781	10.740	AV
3			0.187	44.718	34.683	-19.437	64.155	10.035	QP
4			0.187	22.720	12.685	-31.435	54.155	10.035	AV
5			0.214	40.383	30.426	-22.665	63.049	9.957	QP
6			0.214	25.582	15.625	-27.466	53.049	9.957	AV
7			1.698	22.295	12.414	-33.705	56.000	9.881	QP
8			1.698	11.389	1.508	-34.611	46.000	9.881	AV
9			9.100	21.030	10.868	-38.970	60.000	10.162	QP
10			9.100	13.278	3.116	-36.722	50.000	10.162	AV
11			24.480	25.039	14.832	-34.961	60.000	10.207	QP
12			24.480	18.966	8.759	-31.034	50.000	10.207	AV

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

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

Site: SR2	Time: 2016/06/20 - 09:57
Limit: FCC_Part15.207_CE	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: WIFI Module	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	53.012	41.870	-12.988	66.000	11.142	QP
2			0.150	38.179	27.037	-17.821	56.000	11.142	AV
3			0.182	44.412	34.370	-19.982	64.394	10.042	QP
4			0.182	22.662	12.620	-31.732	54.394	10.042	AV
5			0.210	41.490	31.495	-21.716	63.205	9.995	QP
6			0.210	22.753	12.759	-30.452	53.205	9.995	AV
7			0.758	21.734	11.691	-34.266	56.000	10.043	QP
8			0.758	6.309	-3.734	-39.691	46.000	10.043	AV
9			8.326	23.071	12.888	-36.929	60.000	10.183	QP
10			8.326	14.778	4.594	-35.222	50.000	10.183	AV
11			25.830	22.959	12.642	-37.041	60.000	10.317	QP
12			25.830	16.570	6.253	-33.430	50.000	10.317	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 **WIFI Module FCC ID:**

2AC23-WC0DR2611 is in compliance with Part 15C of the FCC Rules.

The End