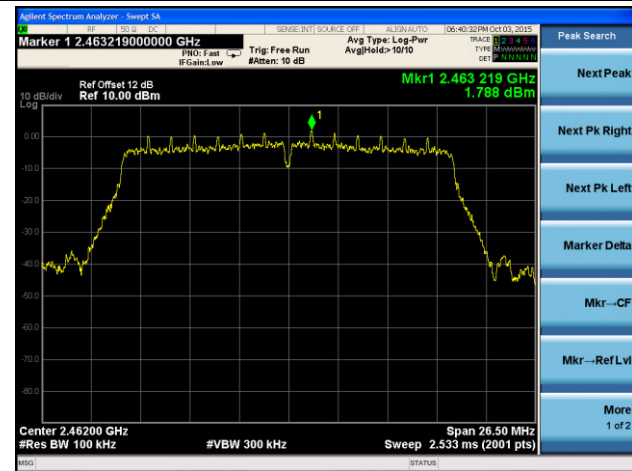
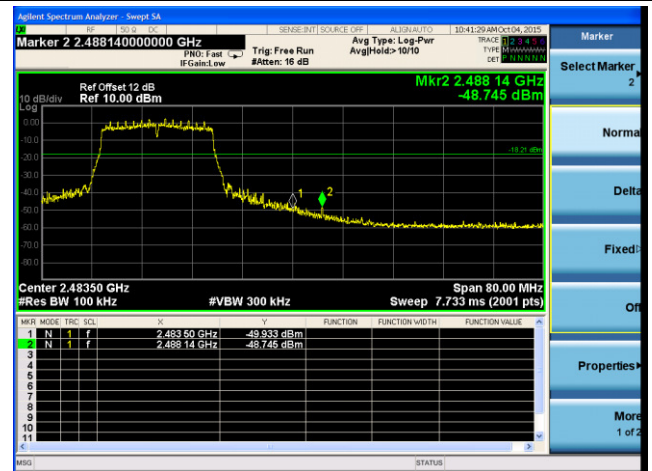


Channel 11 (2462MHz)

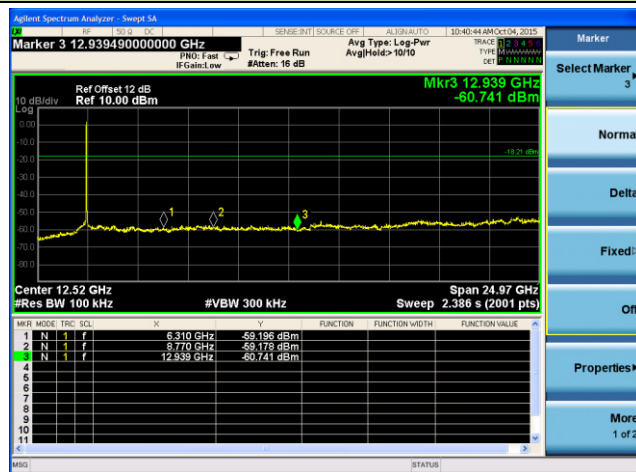
100kHz PSD Reference Level



High Band Edge



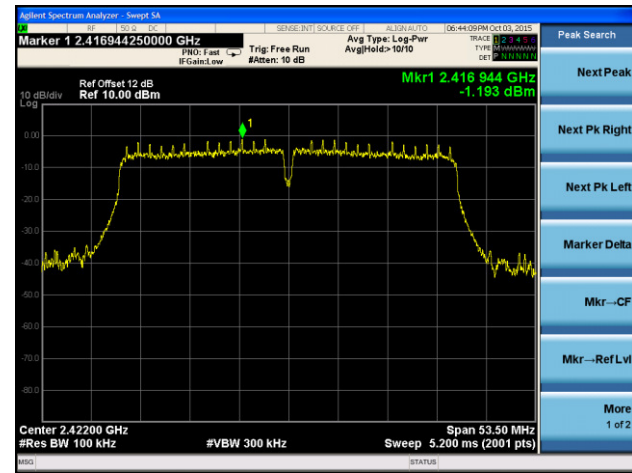
Spurious Emission



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

Channel 03 (2422MHz)

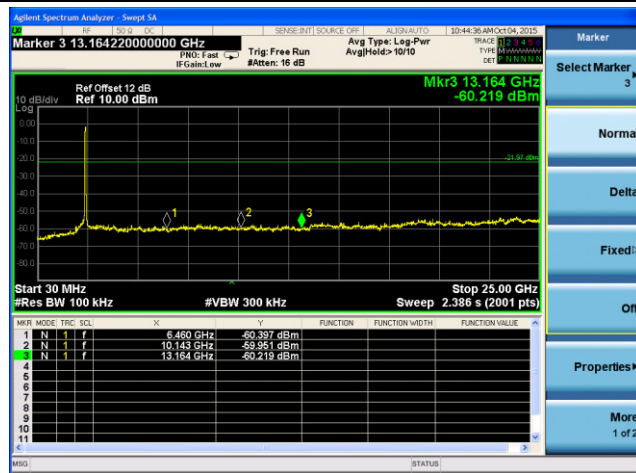
100kHz PSD Reference Level



Low Band Edge

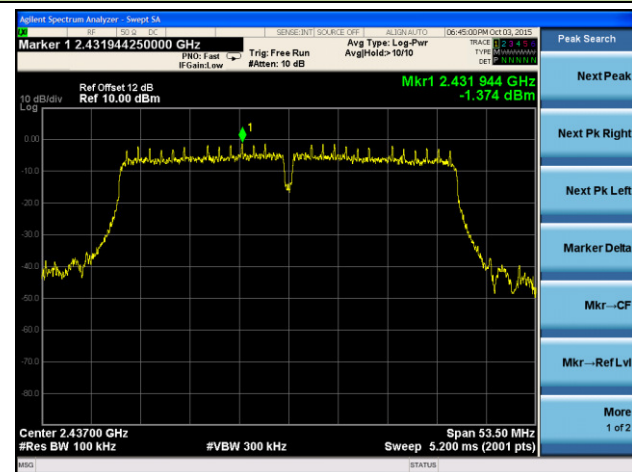


Spurious Emission

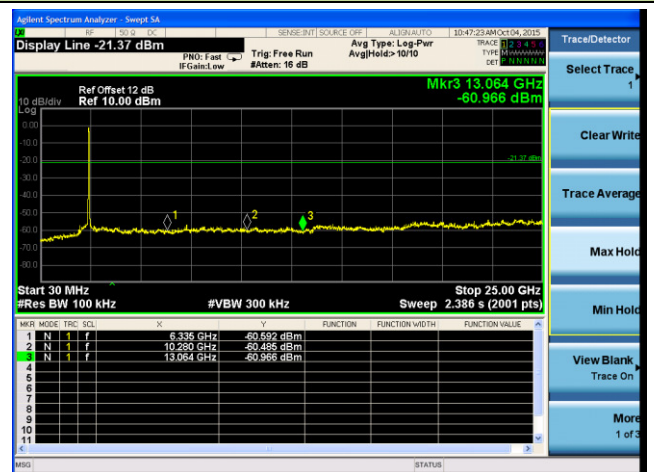


Channel 06 (2437MHz)

100kHz PSD Reference Level

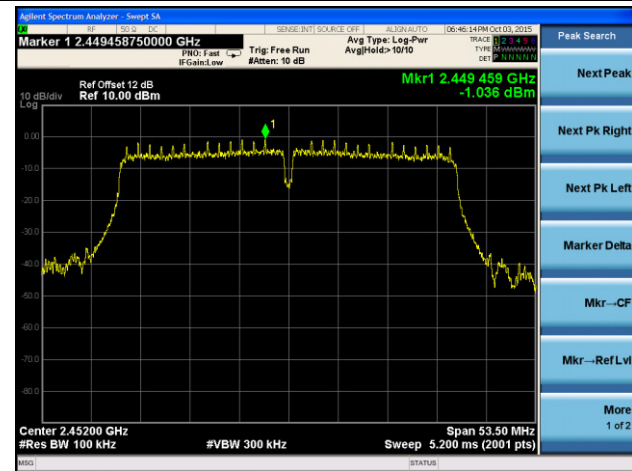


Spurious Emission



Channel 09 (2452MHz)

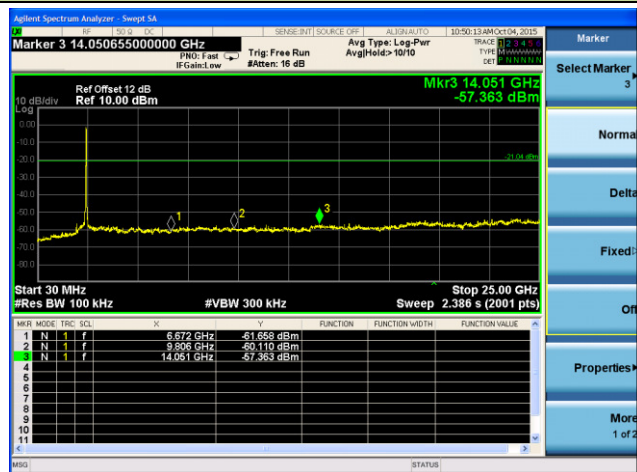
100kHz PSD Reference Level



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 D01v03r03 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r03 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r03 - Section 12.2.5 (average power measurements)

7.6.3. Test Setting

Peak Field Strength Measurements

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

6.Trace mode = max hold

7.Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

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

Average Field Strength Measurements

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

2.RBW = 1MHz

3.VBW $\geq$ 1/T

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

5.Detector = Peak

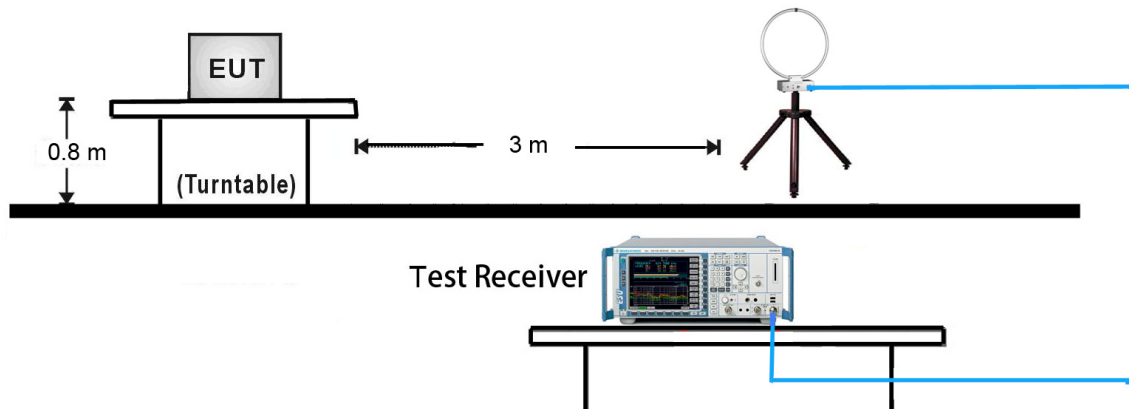
6.Sweep time = auto

7.Trace mode = max hold

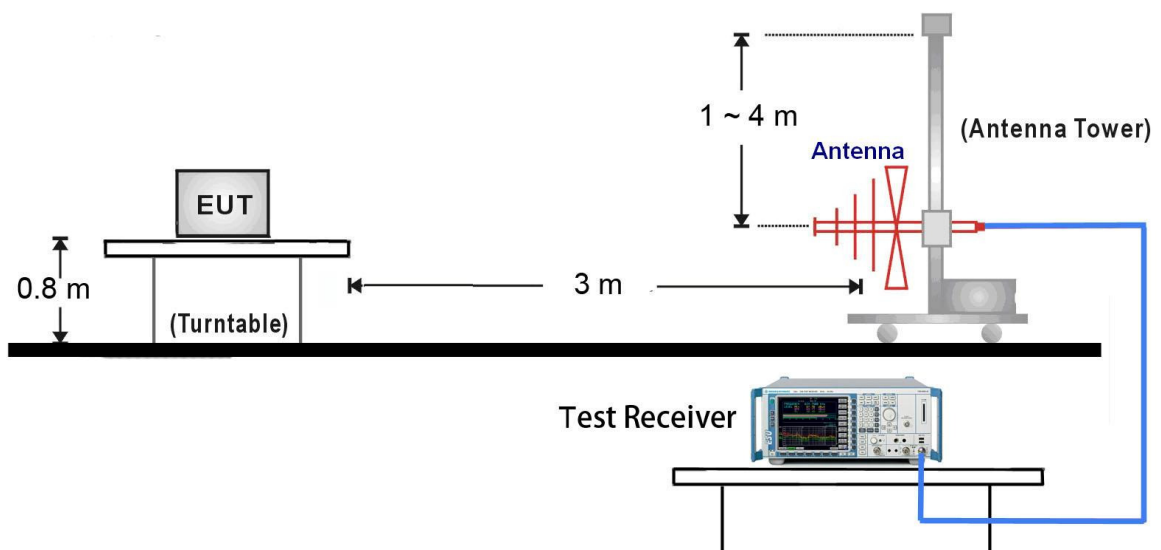
8.Allow max hold to run for at least 50 times (1/duty cycle) traces

7.6.4. Test Setup

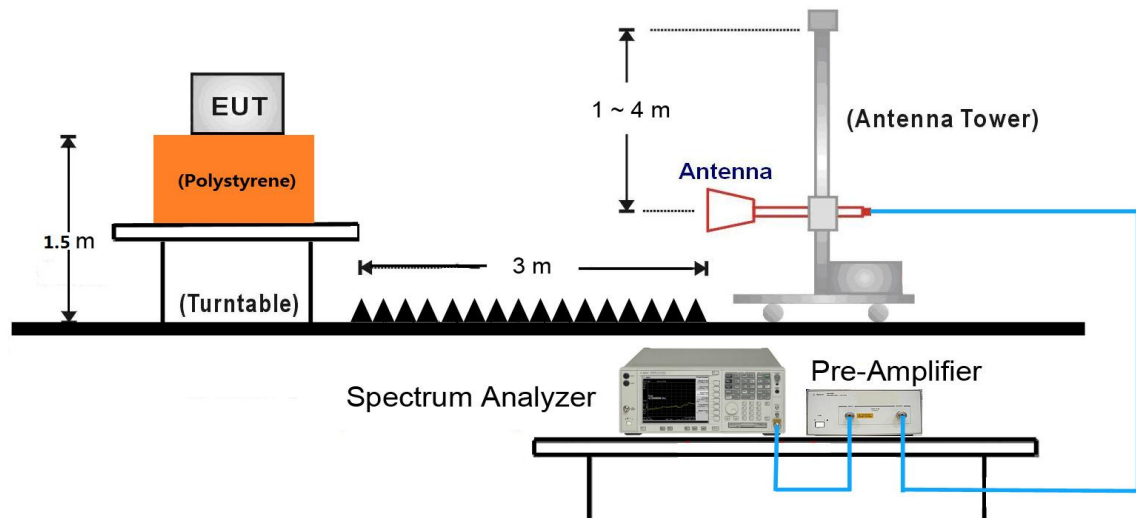
9kHz ~ 30MHz Test Setup:



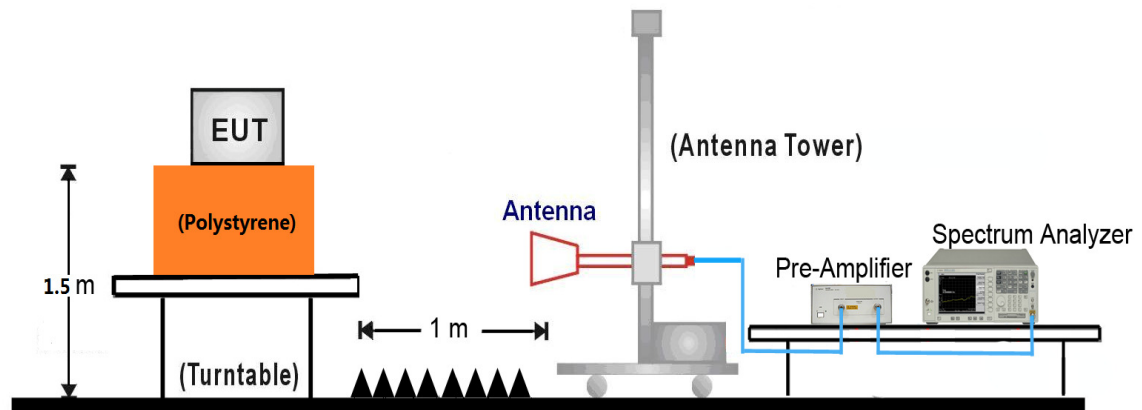
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



7.6.5. Test Result

Test Mode:	802.11b – Ant 0+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
	4825.0	41.7	2.7	44.4	74.0	-29.6	Peak	Horizontal
	7341.0	36.6	8.0	44.6	74.0	-29.4	Peak	Horizontal
*	8701.0	35.8	9.0	44.8	80.2	-35.4	Peak	Horizontal
*	9746.5	35.5	11.3	46.8	80.2	-33.4	Peak	Horizontal
	4825.0	43.8	2.7	46.5	74.0	-27.5	Peak	Vertical
	7519.5	37.3	8.3	45.6	74.0	-28.4	Peak	Vertical
*	8658.5	36.1	8.8	44.9	80.2	-35.3	Peak	Vertical
*	9755.0	35.0	11.4	46.4	80.2	-33.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (100.2dBμV/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:	802.11b – Ant 0+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
	4876.0	39.4	2.7	42.1	74.0	-31.9	Peak	Horizontal
	7647.0	36.9	8.0	44.9	74.0	-29.1	Peak	Horizontal
*	8658.5	35.8	8.8	44.6	79.8	-35.2	Peak	Horizontal
*	9772.0	35.1	11.4	46.5	79.8	-33.3	Peak	Horizontal
	4876.0	45.7	2.7	48.4	74.0	-25.6	Peak	Vertical
	7494.0	36.3	8.2	44.5	74.0	-29.5	Peak	Vertical
*	8735.0	35.2	8.9	44.1	79.8	-35.7	Peak	Vertical
*	9729.5	34.4	11.1	45.5	79.8	-34.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.8dBμV/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 0+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
	4927.0	40.5	2.8	43.3	74.0	-30.7	Peak	Horizontal
	7553.5	36.5	8.3	44.8	74.0	-29.2	Peak	Horizontal
*	8760.5	35.7	9.0	44.7	79.3	-34.6	Peak	Horizontal
*	9729.5	35.4	11.1	46.5	79.3	-32.8	Peak	Horizontal
	4927.0	46.7	2.8	49.5	74.0	-24.5	Peak	Vertical
	7400.5	36.8	7.9	44.7	74.0	-29.3	Peak	Vertical
*	8905.0	35.9	9.2	45.1	79.3	-34.2	Peak	Vertical
*	9763.5	35.0	11.4	46.4	79.3	-32.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.3dBμV/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:	802.11g – Ant 0+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
	4825.0	36.9	2.7	39.6	74.0	-34.4	Peak	Horizontal
	7519.5	36.9	8.3	45.2	74.0	-28.8	Peak	Horizontal
*	8556.5	35.6	8.6	44.2	82.0	-37.8	Peak	Horizontal
*	9636.0	34.9	11.0	45.9	82.0	-36.1	Peak	Horizontal
	4825.0	47.3	2.7	50.0	74.0	-24.0	Peak	Vertical
	7443.0	36.7	8.0	44.7	74.0	-29.3	Peak	Vertical
*	8675.5	35.1	8.9	44.0	82.0	-38.0	Peak	Vertical
*	9746.5	34.8	11.3	46.1	82.0	-35.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11g – Ant 0+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
	4876.0	40.2	2.7	42.9	74.0	-31.1	Peak	Horizontal
	7621.5	37.1	8.0	45.1	74.0	-28.9	Peak	Horizontal
*	8777.5	35.3	8.9	44.2	82.1	-37.9	Peak	Horizontal
*	9755.0	35.6	11.4	47.0	82.1	-35.1	Peak	Horizontal
	4867.5	41.8	2.7	44.5	74.0	-29.5	Peak	Vertical
	7570.5	34.4	8.2	42.6	74.0	-31.4	Peak	Vertical
*	8616.0	35.2	8.8	44.0	82.1	-38.1	Peak	Vertical
*	9797.5	34.3	11.5	45.8	82.1	-36.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.1dBμV/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 0+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
	4927.0	38.8	2.8	41.6	74.0	-32.4	Peak	Horizontal
	7341.0	36.8	8.0	44.8	74.0	-29.2	Peak	Horizontal
*	8845.5	34.9	9.1	44.0	82.0	-38.0	Peak	Horizontal
*	9755.0	34.4	11.4	45.8	82.0	-36.2	Peak	Horizontal
	4918.5	41.2	2.8	44.0	74.0	-30.0	Peak	Vertical
	7485.5	36.5	8.2	44.7	74.0	-29.3	Peak	Vertical
*	8692.5	35.6	9.0	44.6	82.0	-37.4	Peak	Vertical
*	9653.0	34.6	11.0	45.6	82.0	-36.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (102.0dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT20 – Ant 0+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
	4816.5	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
	7307.0	36.4	8.0	44.4	74.0	-29.6	Peak	Horizontal
*	8777.5	35.3	8.9	44.2	81.2	-37.0	Peak	Horizontal
*	9746.5	35.8	11.3	47.1	81.2	-34.1	Peak	Horizontal
	4833.5	45.1	2.7	47.8	74.0	-26.2	Peak	Vertical
	7638.5	37.1	8.0	45.1	74.0	-28.9	Peak	Vertical
*	8692.5	35.3	9.0	44.3	81.2	-36.9	Peak	Vertical
*	9763.5	35.0	11.4	46.4	81.2	-34.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.2dBμV/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 0+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
	4876.0	38.7	2.7	41.4	74.0	-32.6	Peak	Horizontal
	7536.5	36.9	8.3	45.2	74.0	-28.8	Peak	Horizontal
*	8684.0	35.0	9.0	44.0	81.4	-37.4	Peak	Horizontal
*	9882.5	35.0	11.6	46.6	81.4	-34.8	Peak	Horizontal
	4876.0	44.1	2.7	46.8	74.0	-27.2	Peak	Vertical
	7511.0	35.9	8.3	44.2	74.0	-29.8	Peak	Vertical
*	8803.0	35.0	8.9	43.9	81.4	-37.5	Peak	Vertical
*	9789.0	34.2	11.4	45.6	81.4	-35.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (101.4dBμV/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 0+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
	4927.0	37.9	2.8	40.7	74.0	-33.3	Peak	Horizontal
	7468.5	36.4	8.1	44.5	74.0	-29.5	Peak	Horizontal
*	8539.5	36.1	8.5	44.6	79.8	-35.2	Peak	Horizontal
*	9891.0	35.3	11.6	46.9	79.8	-32.9	Peak	Horizontal
	4927.0	43.7	2.8	46.5	74.0	-27.5	Peak	Vertical
	7545.0	35.7	8.3	44.0	74.0	-30.0	Peak	Vertical
*	8718.0	35.5	9.0	44.5	79.8	-35.3	Peak	Vertical
*	9746.5	34.7	11.3	46.0	79.8	-33.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (99.8dBμV/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 0+1	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
	4842.0	37.2	2.7	39.9	74.0	-34.1	Peak	Horizontal
	7477.0	36.0	8.2	44.2	74.0	-29.8	Peak	Horizontal
*	8633.0	35.4	8.8	44.2	78.3	-34.1	Peak	Horizontal
*	9763.5	34.7	11.4	46.1	78.3	-32.2	Peak	Horizontal
	4842.0	40.6	2.7	43.3	74.0	-30.7	Peak	Vertical
	7604.5	37.0	8.1	45.1	74.0	-28.9	Peak	Vertical
*	8658.5	35.0	8.8	43.8	78.3	-34.5	Peak	Vertical
*	9797.5	35.0	11.5	46.5	78.3	-31.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (98.3dBμV/m) or FCC 15.209 which is higher.

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

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

Test Mode:	802.11n-HT40 – Ant 0+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
	4884.5	36.9	2.7	39.6	74.0	-34.4	Peak	Horizontal
	7502.5	36.6	8.3	44.9	74.0	-29.1	Peak	Horizontal
*	8565.0	35.8	8.7	44.5	77.8	-33.3	Peak	Horizontal
*	9636.0	34.7	11.0	45.7	77.8	-32.1	Peak	Horizontal
	4867.5	42.6	2.7	45.3	74.0	-28.7	Peak	Vertical
	7570.5	36.4	8.2	44.6	74.0	-29.4	Peak	Vertical
*	8769.0	35.1	8.9	44.0	77.8	-33.8	Peak	Vertical
*	9959.0	35.0	11.4	46.4	77.8	-31.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (97.8dBμV/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 0+1	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
	4850.5	36.0	2.7	38.7	74.0	-35.3	Peak	Horizontal
	7553.5	36.2	8.3	44.5	74.0	-29.5	Peak	Horizontal
*	8667.0	34.8	8.9	43.7	77.5	-33.8	Peak	Horizontal
*	9959.0	35.0	11.4	46.4	77.5	-31.1	Peak	Horizontal
	4901.5	42.9	2.7	45.6	74.0	-28.4	Peak	Vertical
	7511.0	35.9	8.3	44.2	74.0	-29.8	Peak	Vertical
*	8854.0	35.5	9.1	44.6	77.5	-32.9	Peak	Vertical
*	10324.5	34.8	12.1	46.9	77.5	-30.6	Peak	Vertical

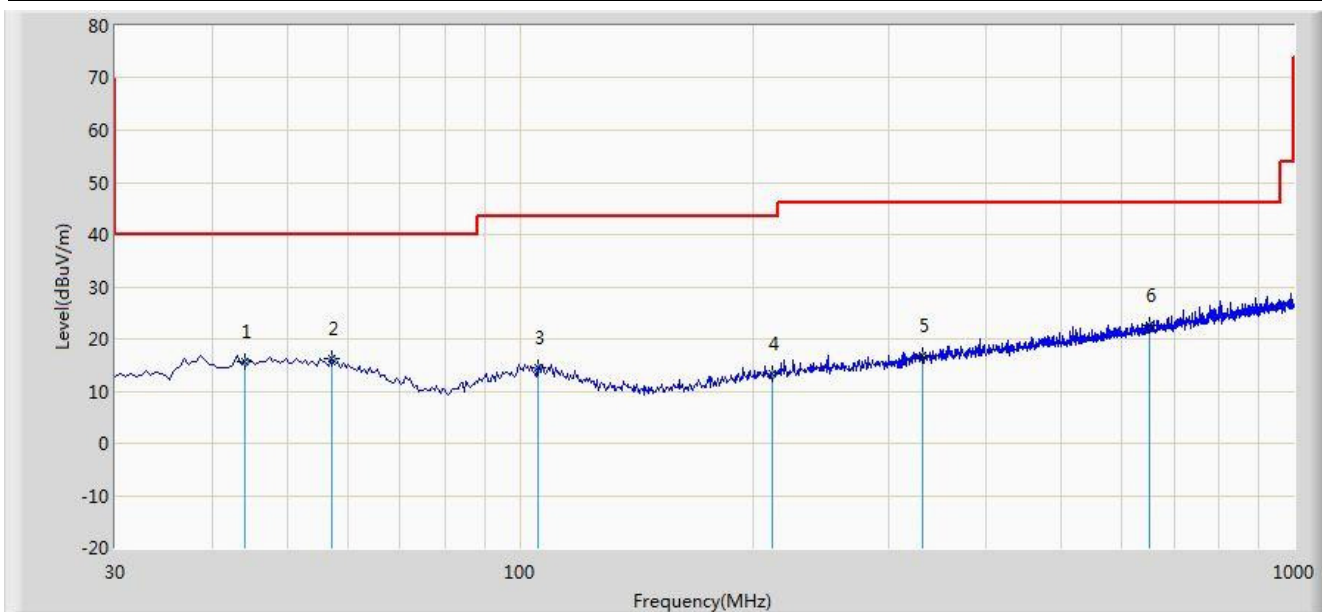
Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (97.5dBμV/m) or FCC 15.209 which is higher.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC 1	Time: 2015/10/18 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Worse Case Mode: Transmit by 802.11g at channel 2412MHz	

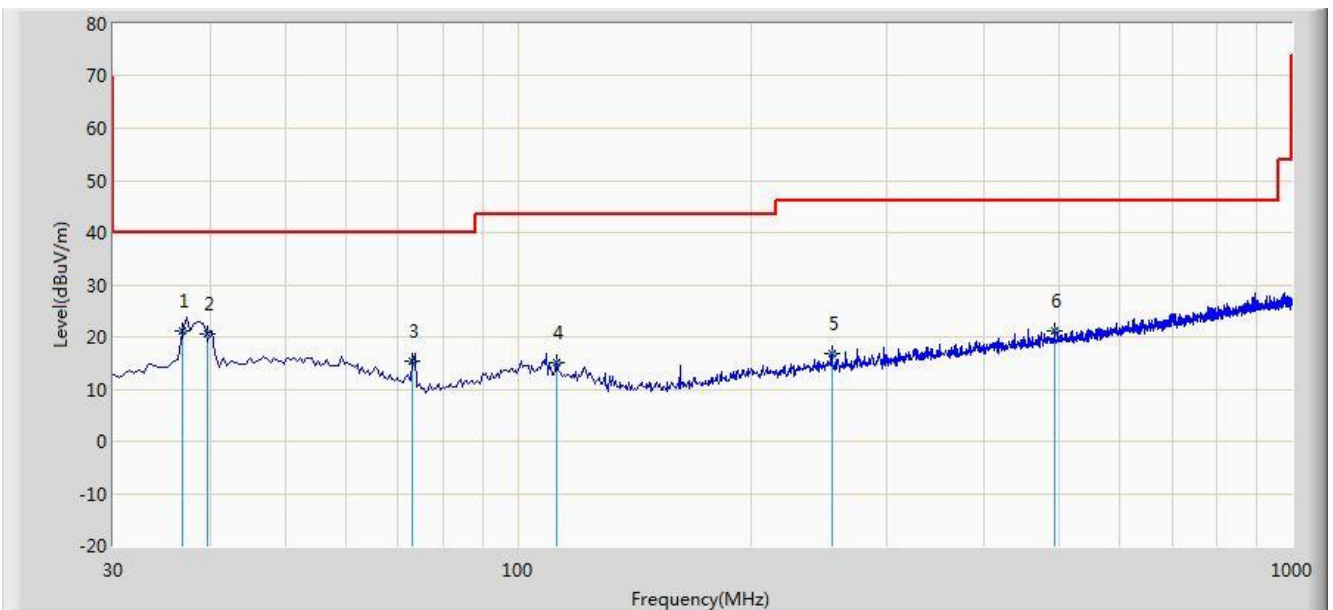


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			44.065	15.581	0.966	-24.419	40.000	14.615	QP
2			57.160	16.316	2.001	-23.684	40.000	14.315	QP
3			105.660	14.620	1.568	-28.880	43.500	13.052	QP
4			211.875	13.430	1.010	-30.070	43.500	12.421	QP
5			331.185	16.727	1.383	-29.273	46.000	15.344	QP
6		*	649.830	22.745	2.172	-23.255	46.000	20.573	QP

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

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

Site: AC 1	Time: 2015/10/18 - 16:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Worse Case Mode: Transmit by 802.11g at channel 2412MHz	

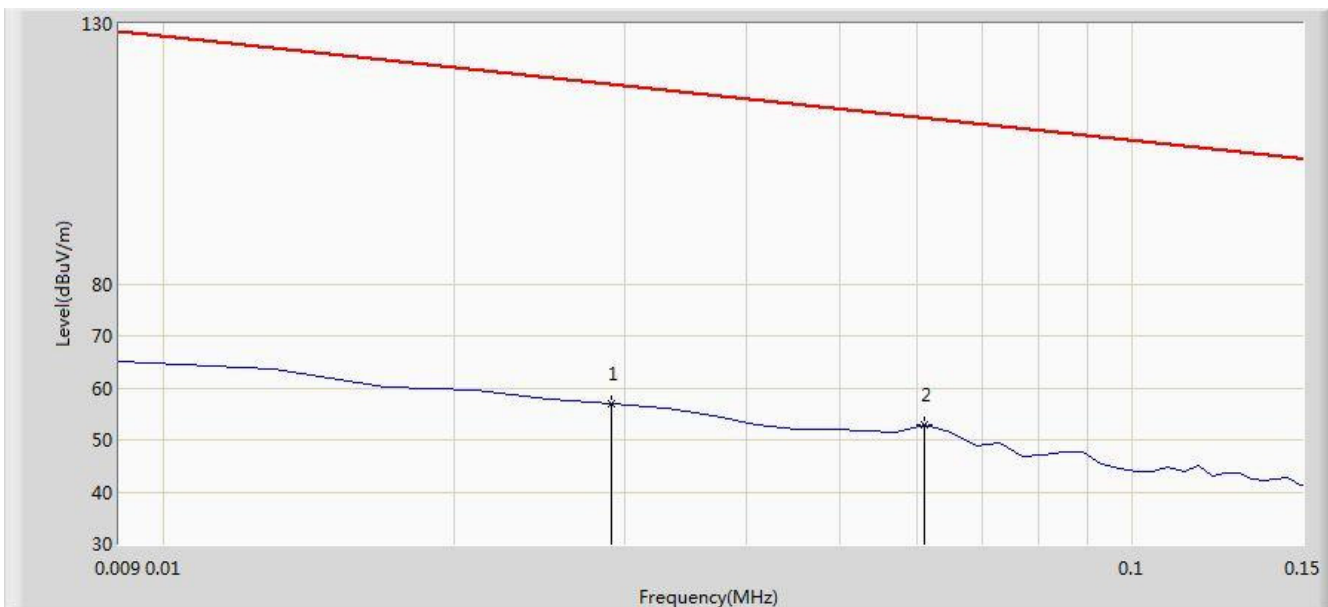


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	36.790	21.249	8.007	-18.751	40.000	13.242	QP
2			39.700	20.633	6.846	-19.367	40.000	13.787	QP
3			73.165	15.505	5.368	-24.495	40.000	10.137	QP
4			112.450	15.128	2.654	-28.372	43.500	12.474	QP
5			254.555	16.805	3.070	-29.195	46.000	13.735	QP
6			494.145	21.035	2.893	-24.965	46.000	18.142	QP

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

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

Site: AC1	Time: 2015/10/17 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

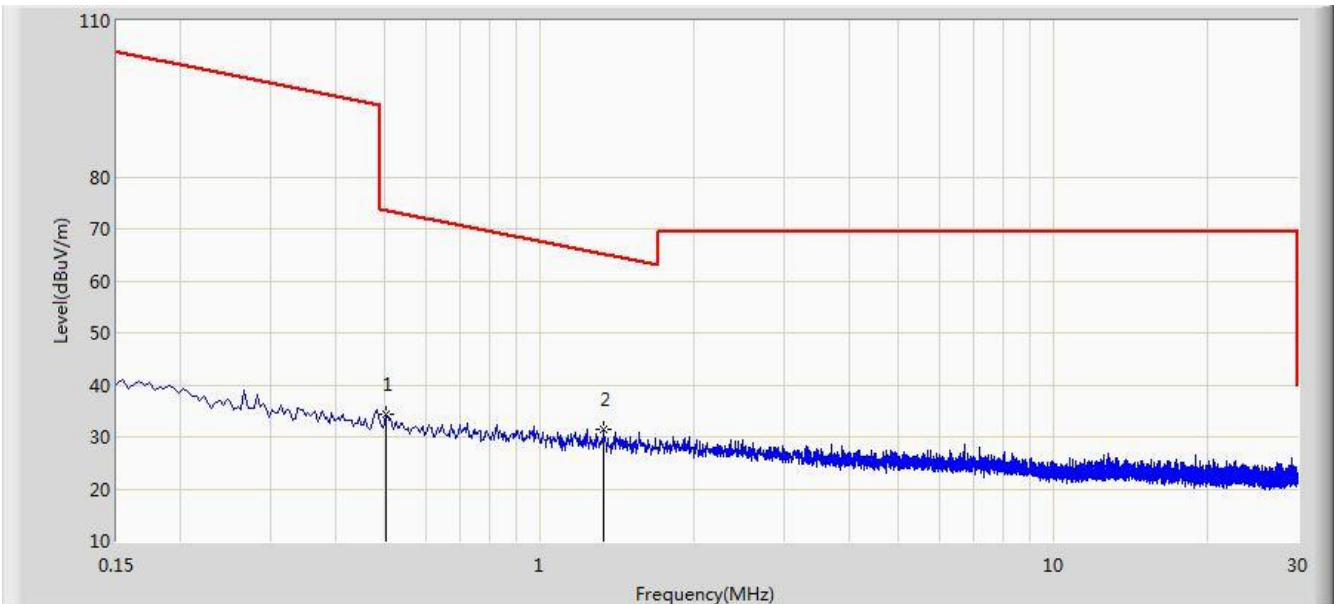


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.893	35.844	-61.463	118.356	21.049	QP
2		*	0.061	52.853	32.542	-59.045	111.898	20.311	QP

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

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

Site: AC1	Time: 2015/10/17 - 09:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

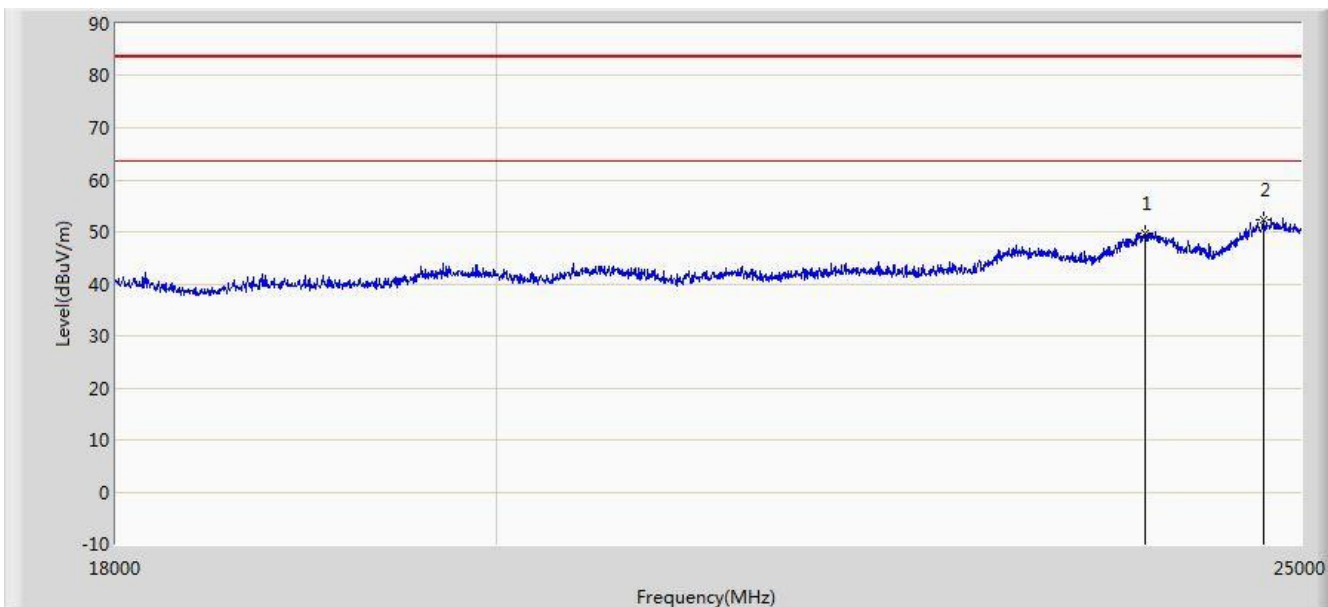


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.502	34.370	13.947	-39.220	73.590	20.423	QP
2		*	1.334	31.595	11.104	-33.530	65.125	20.491	QP

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

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

Site: AC1	Time: 2015/10/17 - 10:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 18GHz~25GHz.	



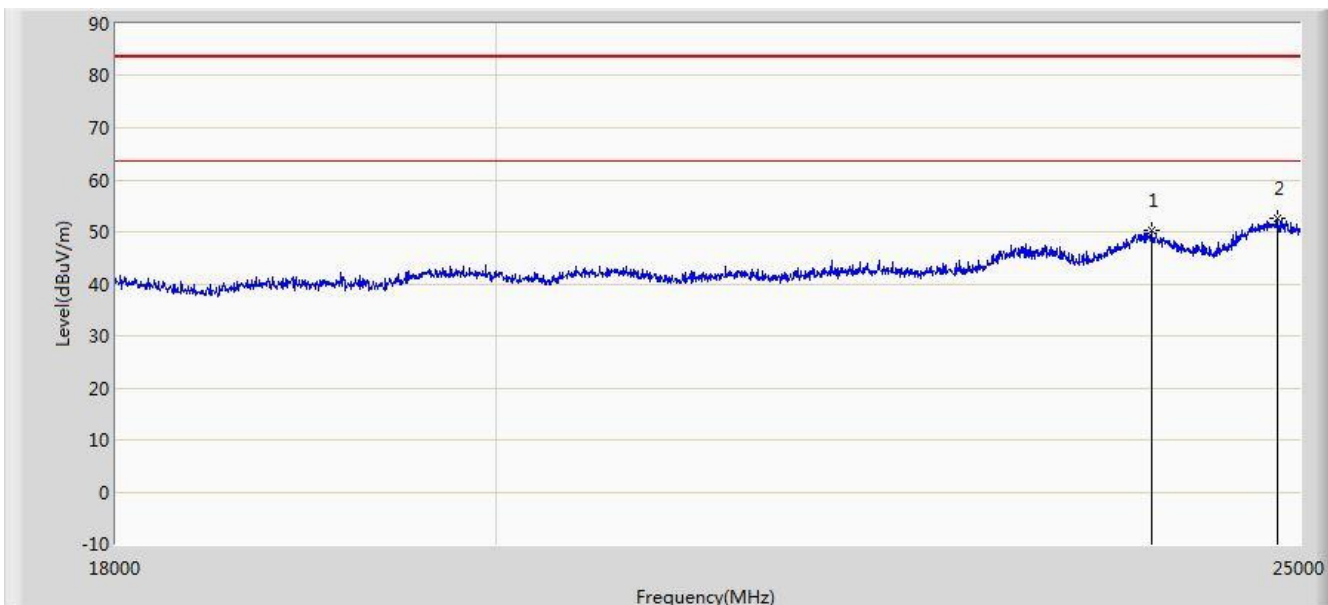
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23943.000	49.776	35.866	-33.724	83.500	13.910	PK
2		*	24741.000	52.375	37.681	-31.125	83.500	14.694	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre-Amplifier Gain (dB)

Limit@1m = 20*Log(500uV/m) + 20*Log(3m/1m) = 63.5dBμv/m (Average detector), and 83.5dBμv/m (Peak detector).

Site: AC1	Time: 2015/10/17 - 10:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
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			23999.000	50.379	36.435	-33.121	83.500	13.944	PK
2		*	24846.000	52.503	37.735	-30.997	83.500	14.768	PK

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

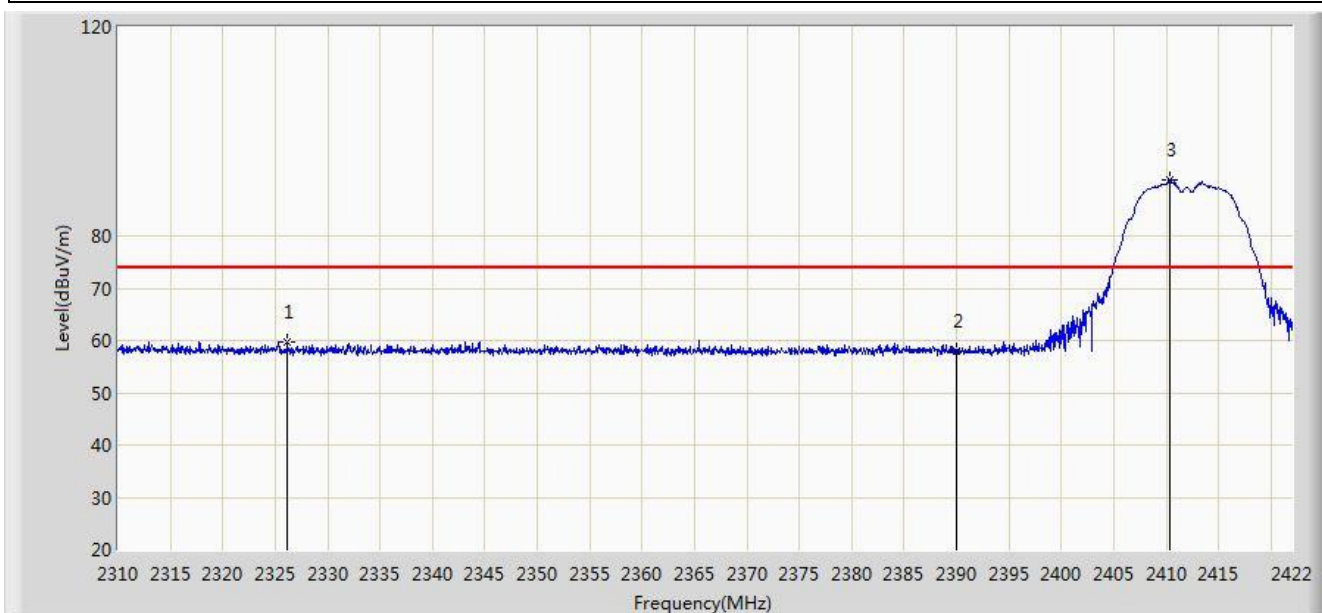
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre-Amplifier Gain (dB)

Limit@1m = 20*Log(500uV/m) + 20*Log(3m/1m) = 63.5dBμv/m (Average detector), and 83.5dBμv/m (Peak detector).

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Result

Site: AC1	Time: 2015/10/22 - 11:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

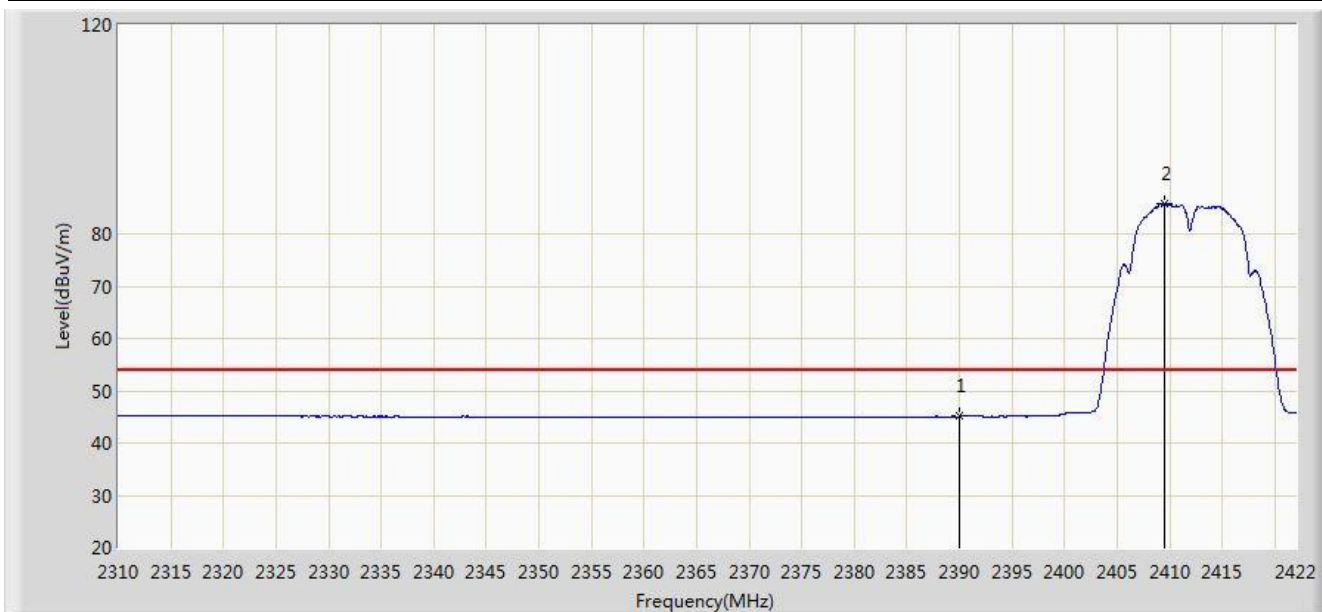


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2326.128	59.793	28.399	-14.207	74.000	31.394	PK
2			2390.000	57.907	26.704	-16.093	74.000	31.203	PK
3		*	2410.352	90.693	59.521	N/A	N/A	31.172	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

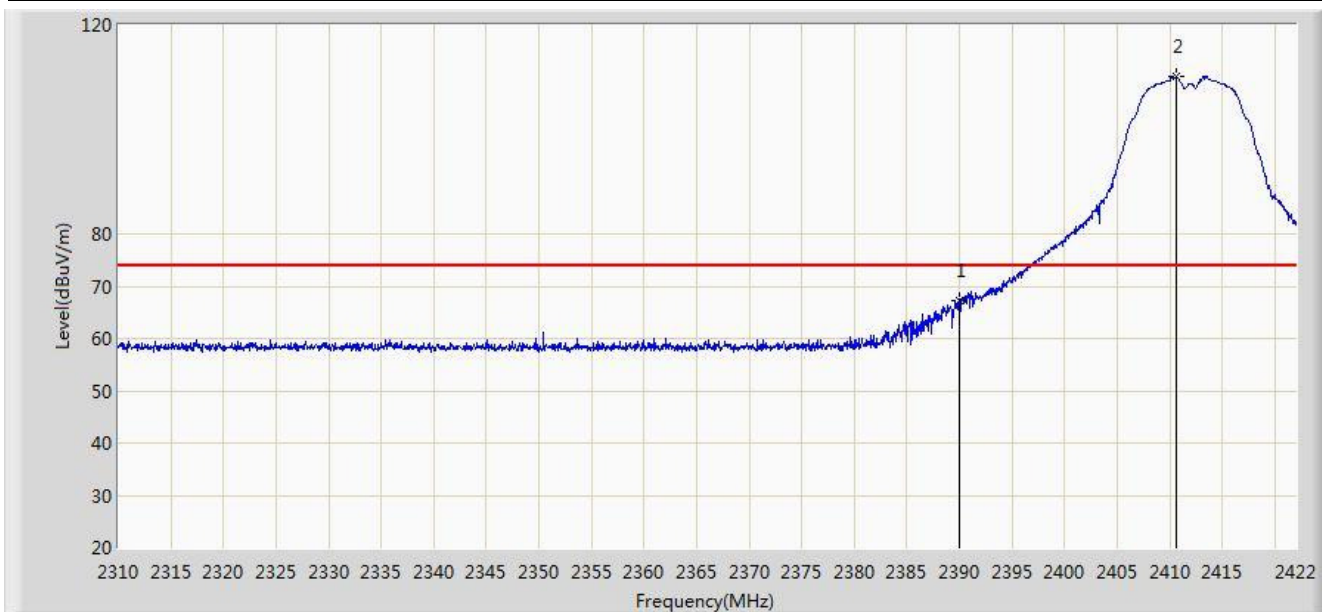


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.079	13.876	-8.921	54.000	31.203	AV
2		*	2409.456	85.688	54.515	N/A	N/A	31.173	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

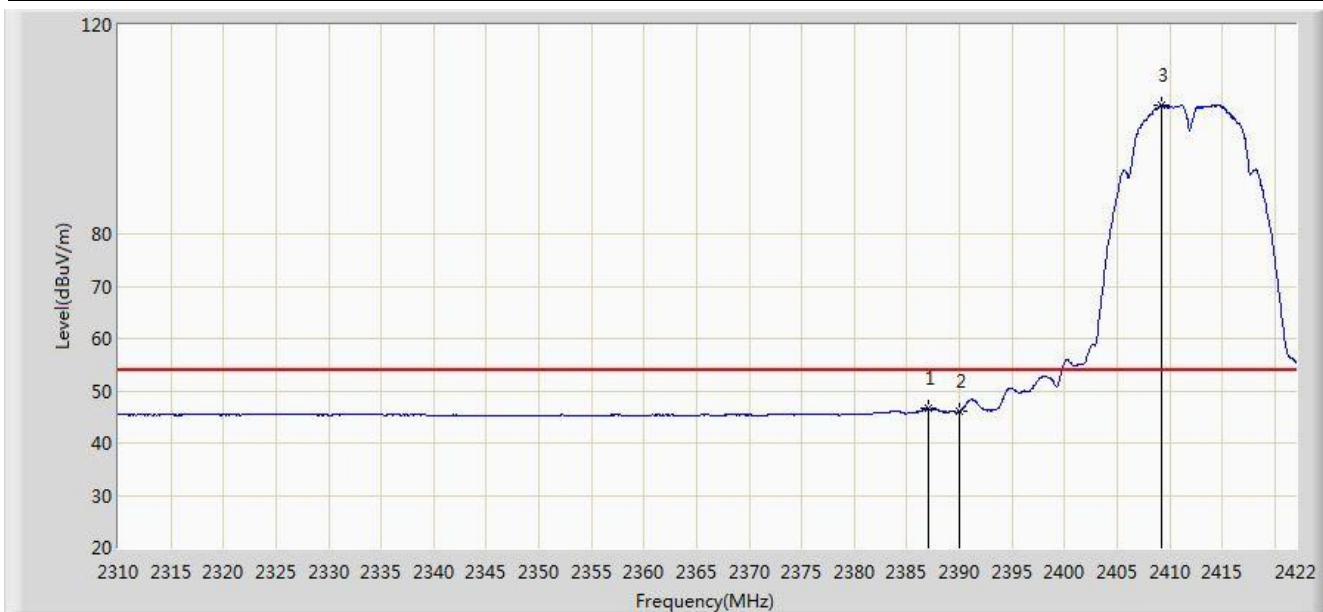


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	67.272	36.069	-6.728	74.000	31.203	PK
2		*	2410.576	110.224	79.052	N/A	N/A	31.172	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0+1	

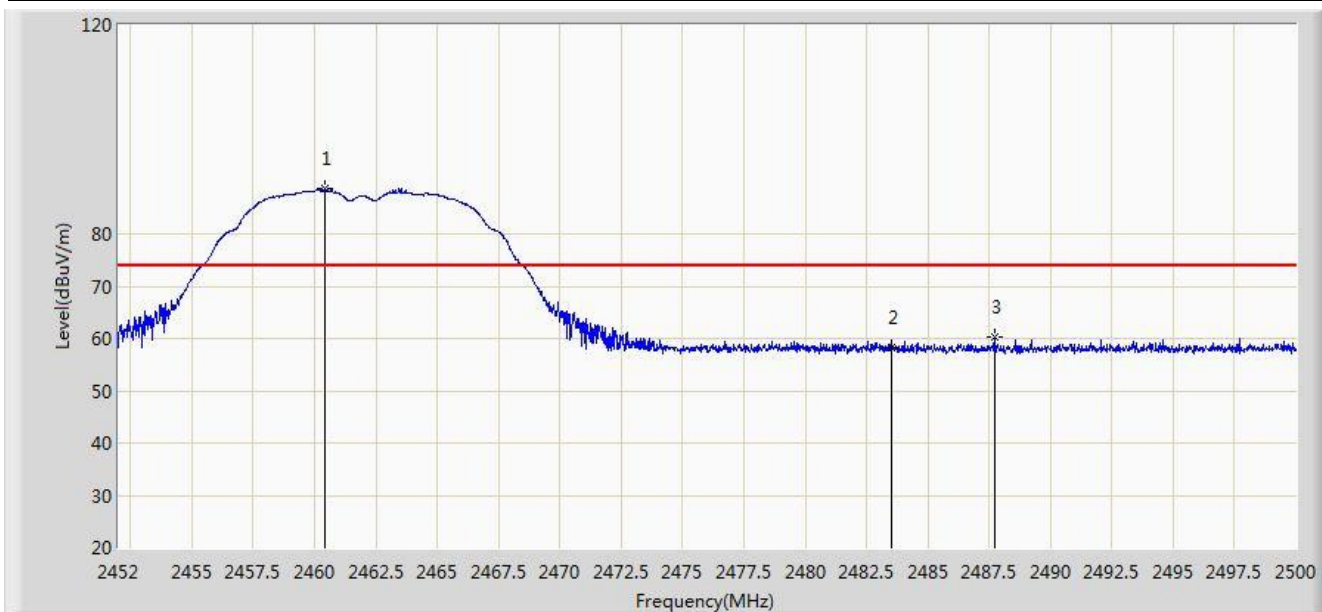


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.112	46.562	15.354	-7.438	54.000	31.208	AV
2			2390.000	46.046	14.843	-7.954	54.000	31.203	AV
3		*	2409.176	104.662	73.488	N/A	N/A	31.174	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b 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		*	2460.448	88.707	57.574	N/A	N/A	31.133	PK
2			2483.500	58.170	26.977	-15.830	74.000	31.194	PK
3			2487.712	60.360	29.156	-13.640	74.000	31.204	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0+1	

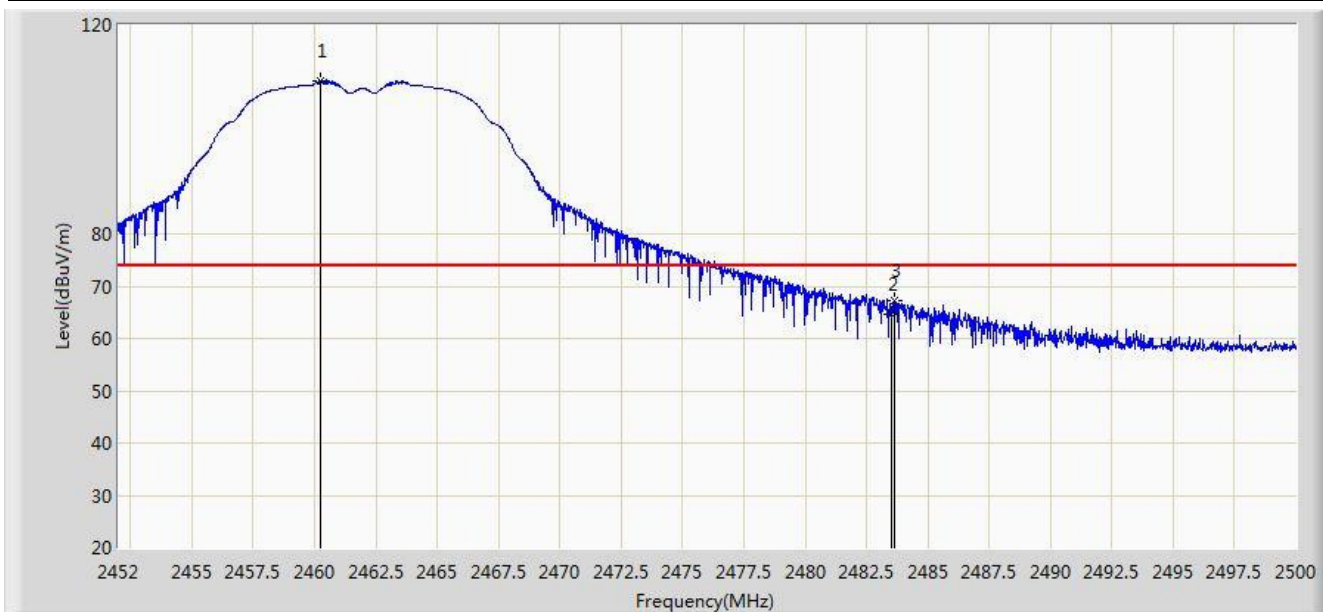


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	83.633	52.499	N/A	N/A	31.134	AV
2			2483.500	45.124	13.931	-8.876	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b 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		*	2460.256	109.328	78.196	N/A	N/A	31.132	PK
2			2483.500	64.560	33.367	-9.440	74.000	31.194	PK
3			2483.656	67.179	35.985	-6.821	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: 2015/10/22 - 11:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0+1	

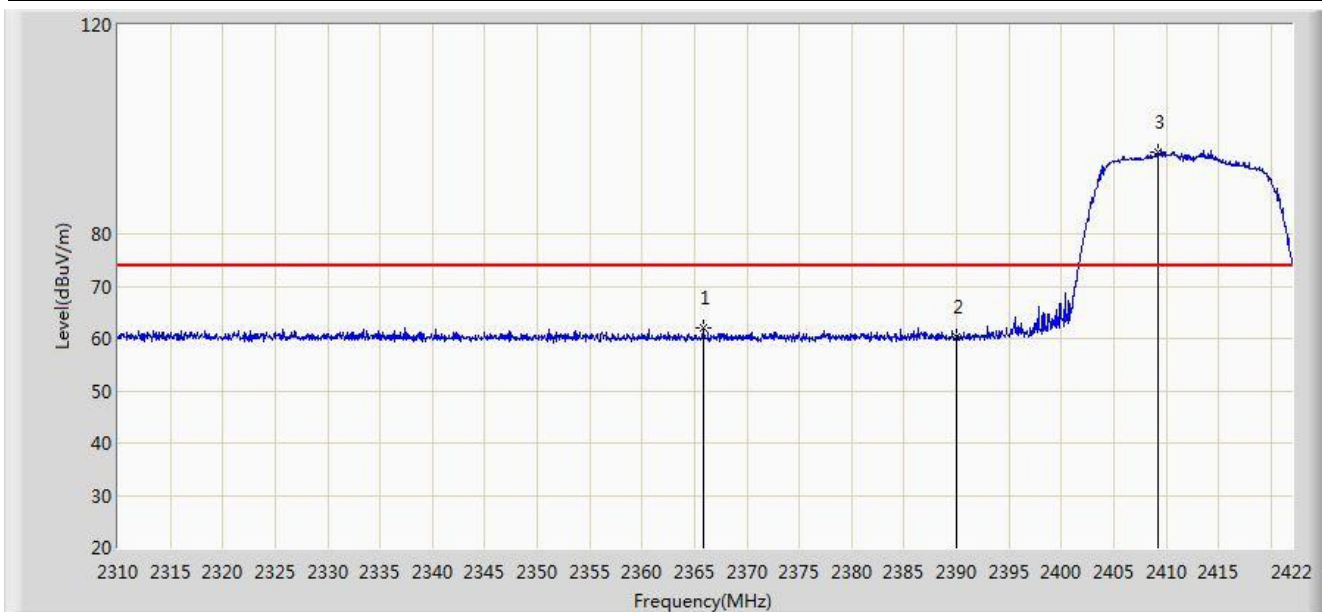


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.680	104.113	72.982	N/A	N/A	31.131	AV
2			2483.500	47.476	16.283	-6.524	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

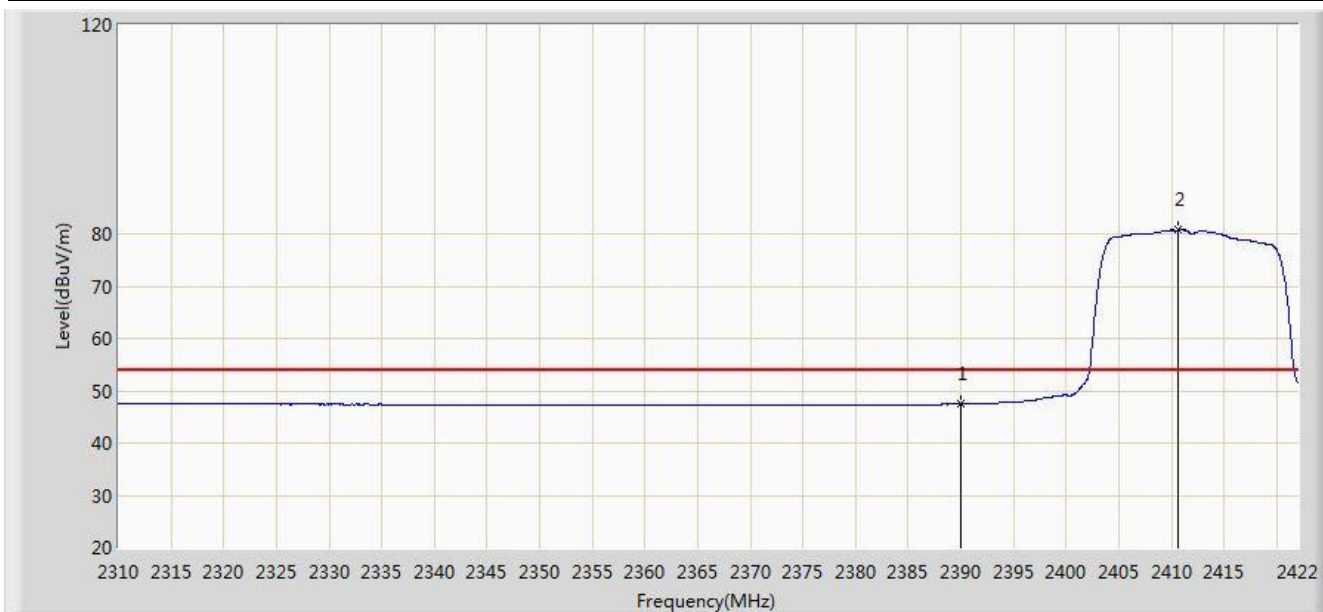


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2365.832	61.996	30.748	-12.004	74.000	31.248	PK
2			2390.000	60.366	29.163	-13.634	74.000	31.203	PK
3		*	2409.176	95.697	64.523	N/A	N/A	31.174	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

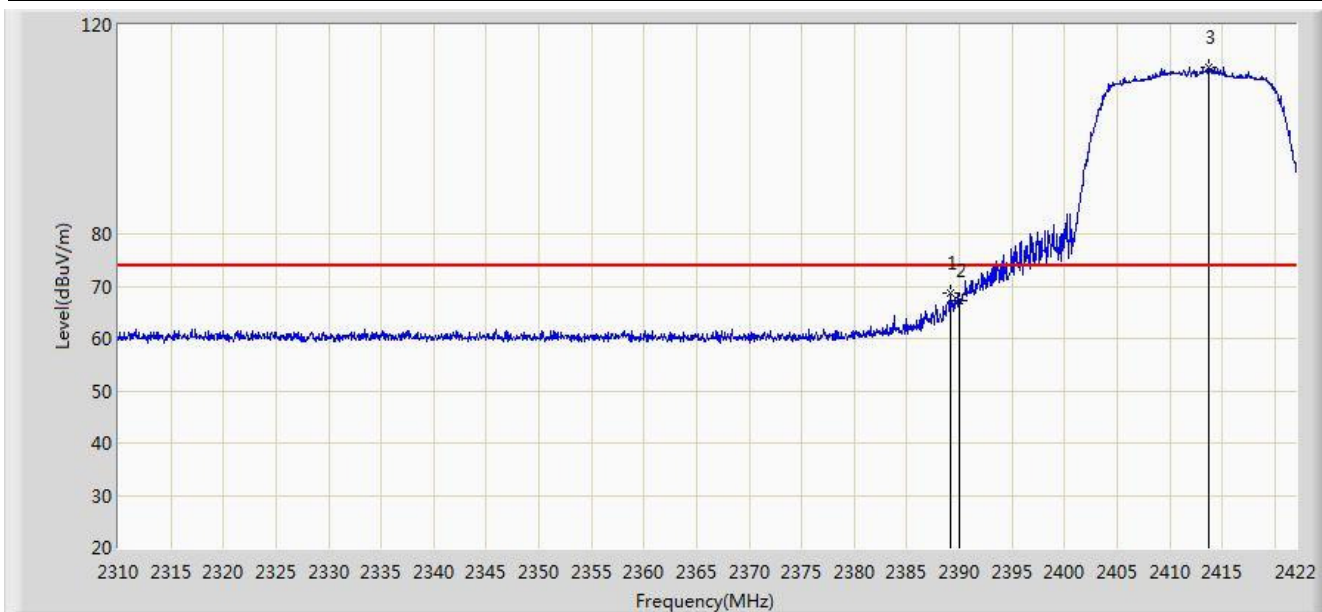


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.469	16.266	-6.531	54.000	31.203	AV
2		*	2410.632	80.728	49.556	N/A	N/A	31.172	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

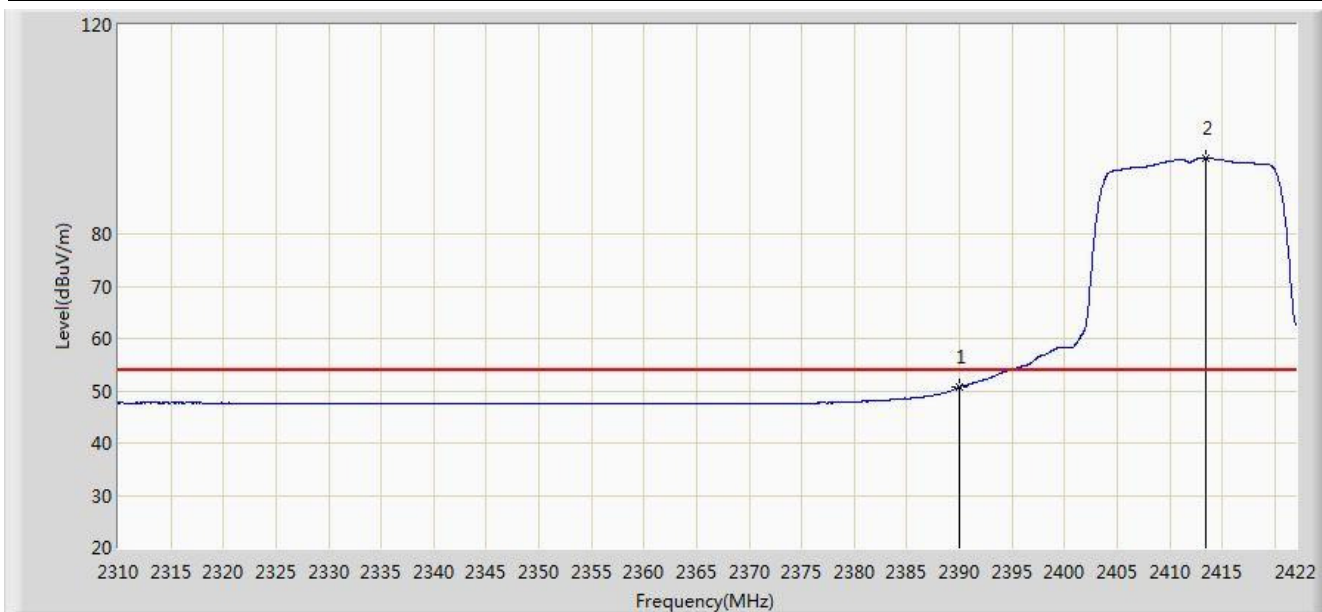


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.128	68.667	37.463	-5.333	74.000	31.204	PK
2			2390.000	67.284	36.081	-6.716	74.000	31.203	PK
3		*	2413.768	111.972	80.805	N/A	N/A	31.167	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0+1	

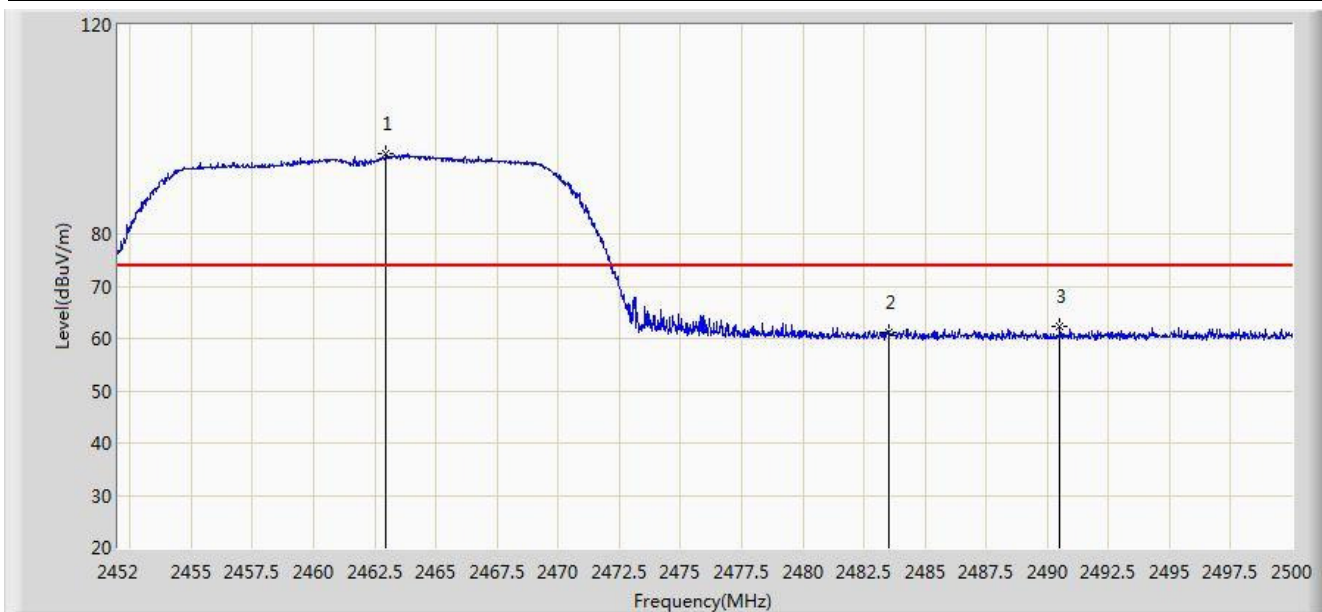


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.758	19.555	-3.242	54.000	31.203	AV
2		*	2413.432	94.465	63.298	N/A	N/A	31.168	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

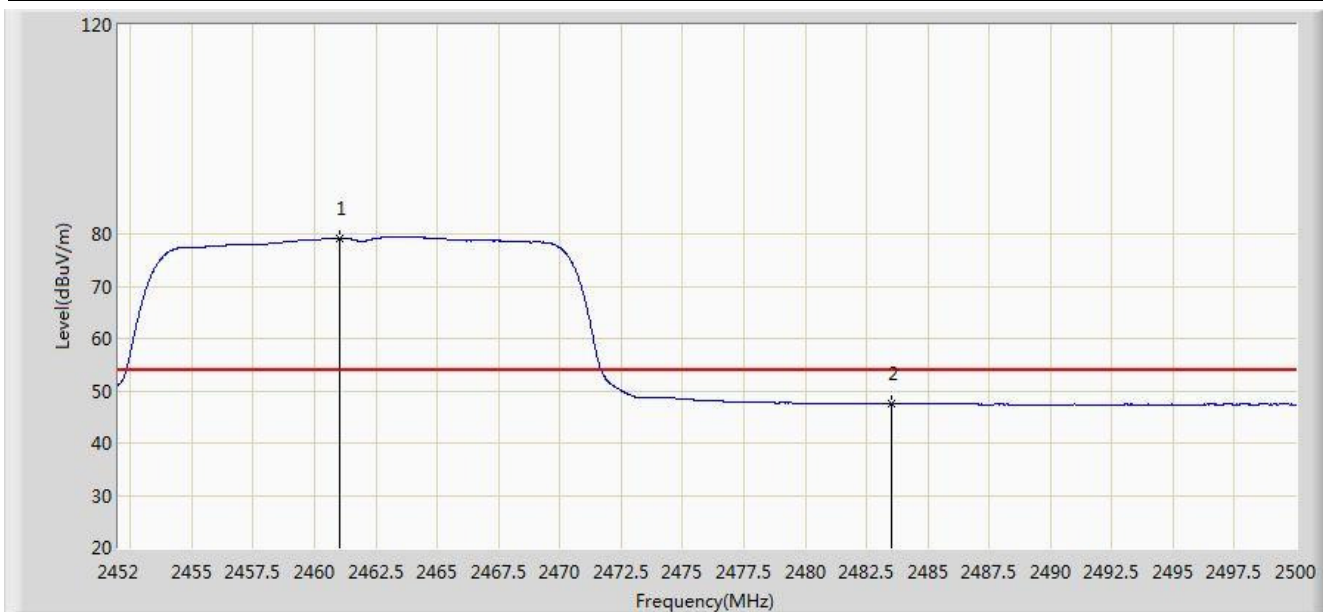


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.968	95.495	64.358	N/A	N/A	31.137	PK
2			2483.500	61.143	29.950	-12.857	74.000	31.194	PK
3			2490.520	62.245	31.033	-11.755	74.000	31.211	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

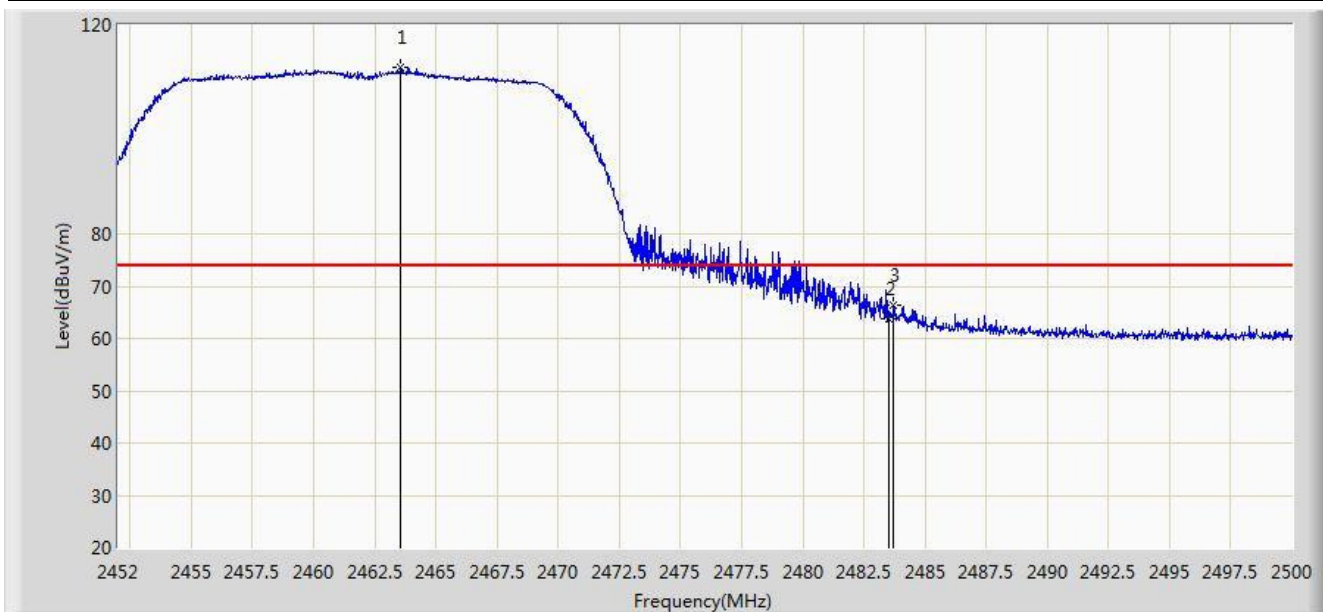


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.000	79.198	48.064	N/A	N/A	31.133	AV
2			2483.500	47.463	16.270	-6.537	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

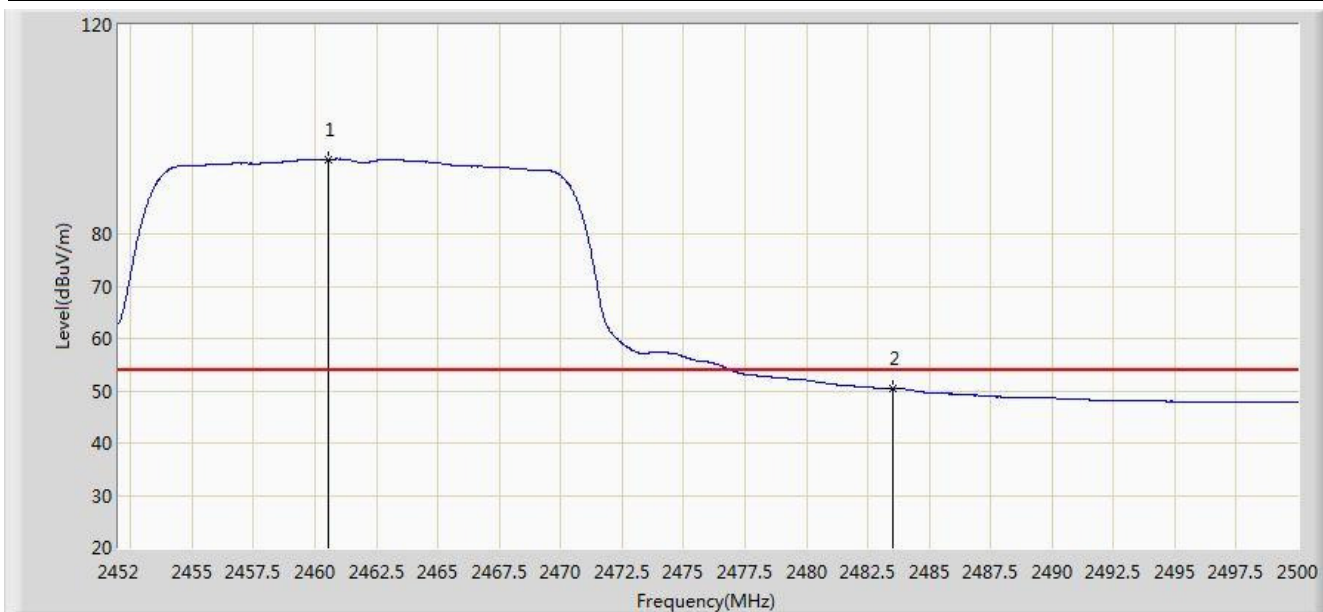


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.568	112.028	80.890	N/A	N/A	31.139	PK
2			2483.500	63.761	32.568	-10.239	74.000	31.194	PK
3			2483.728	66.267	35.073	-7.733	74.000	31.194	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0+1	

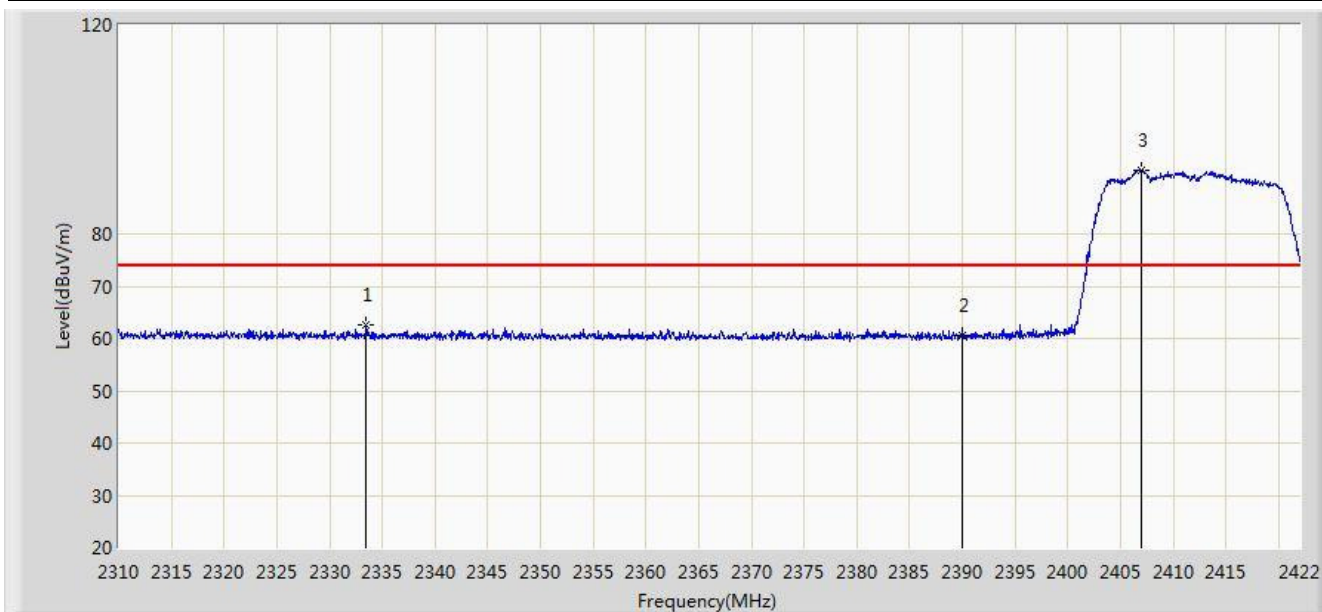


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.568	94.256	63.123	N/A	N/A	31.133	AV
2			2483.500	50.432	19.239	-3.568	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

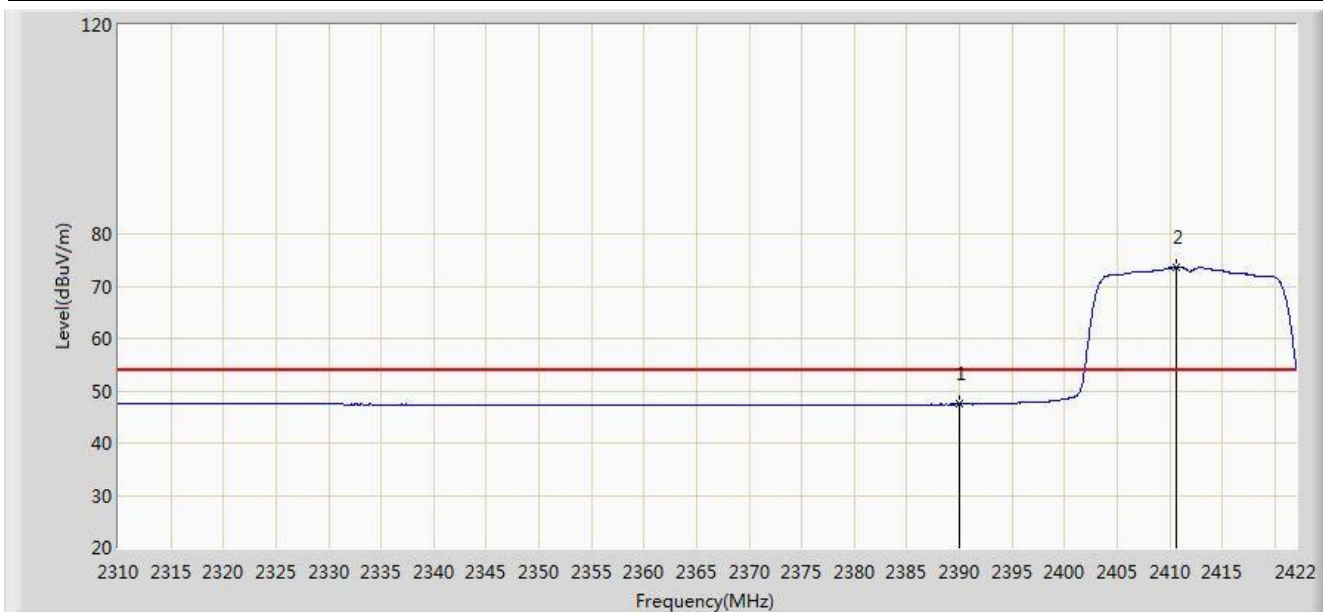


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2333.464	62.499	31.139	-11.501	74.000	31.360	PK
2			2390.000	60.675	29.472	-13.325	74.000	31.203	PK
3		*	2406.936	92.215	61.038	N/A	N/A	31.177	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

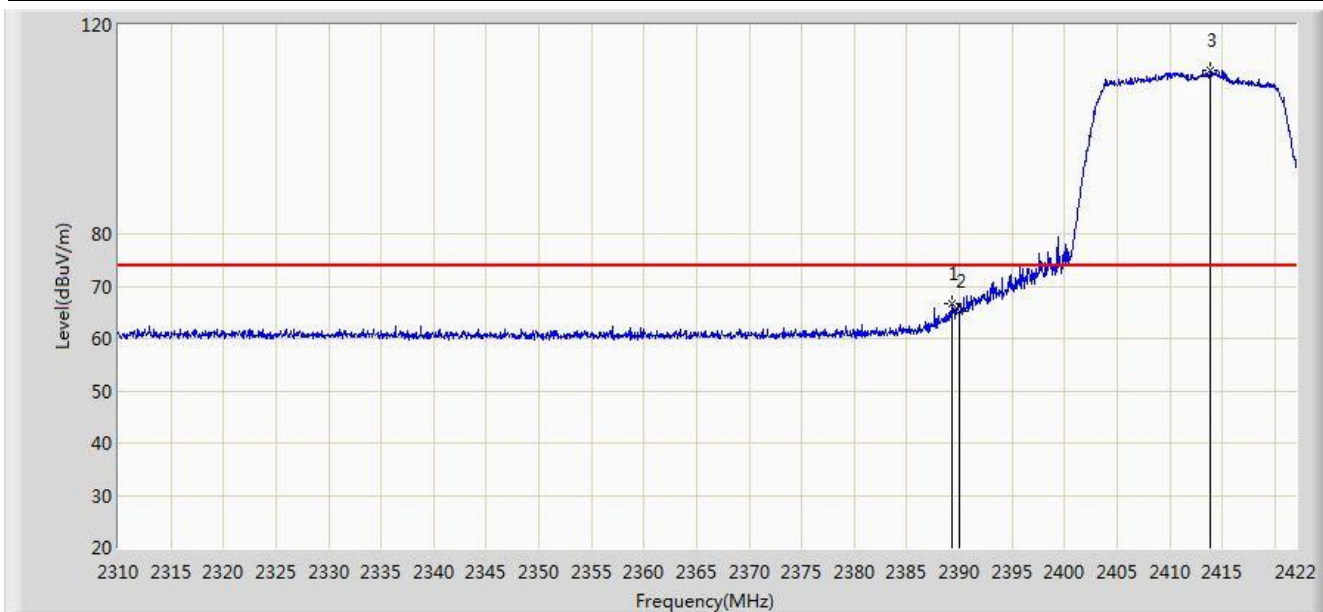


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2390.000	47.423	16.220	-6.577	54.000	31.203	AV
			2410.576	77.217	46.047	N/A	N/A	31.170	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

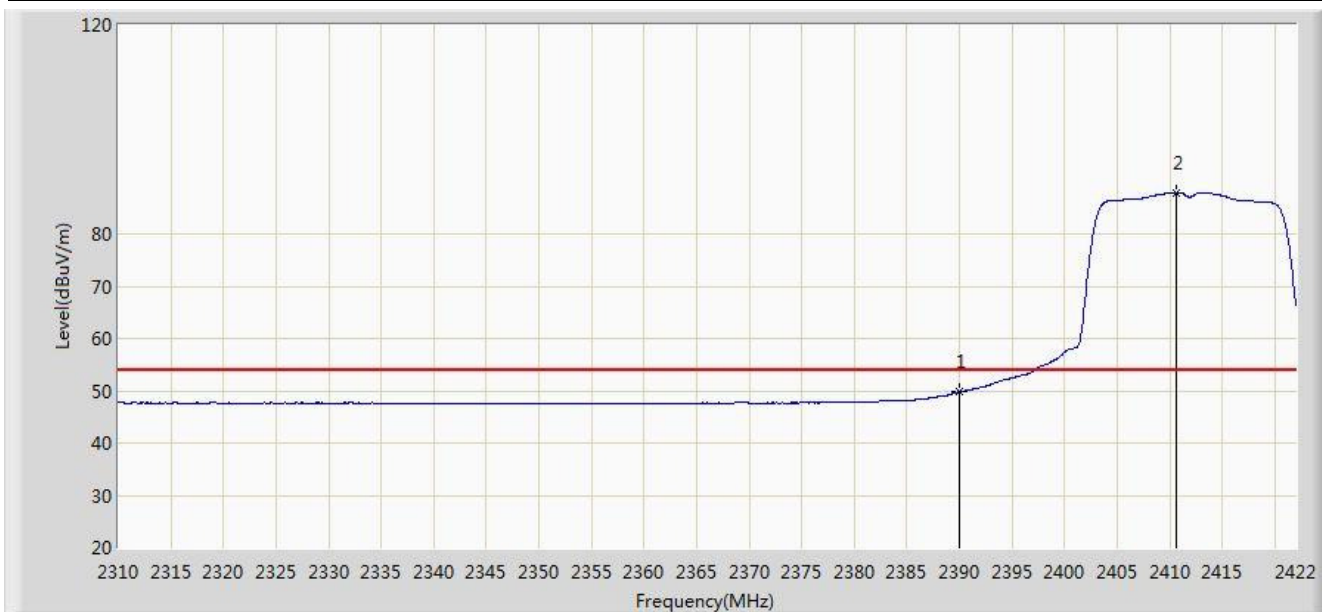


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.296	66.554	35.350	-7.446	74.000	31.204	PK
2			2390.000	65.085	33.882	-8.915	74.000	31.203	PK
3		*	2413.880	111.164	79.998	N/A	N/A	31.166	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0+1	

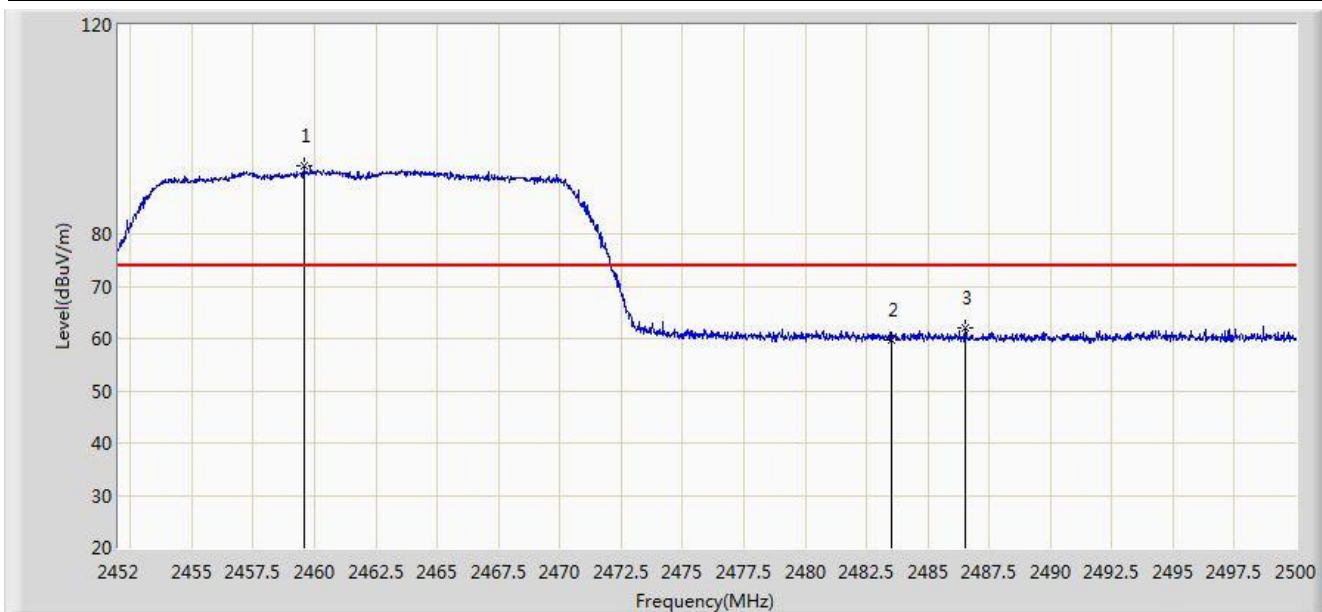


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.810	18.607	-4.190	54.000	31.203	AV
2		*	2410.632	87.863	56.691	N/A	N/A	31.172	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

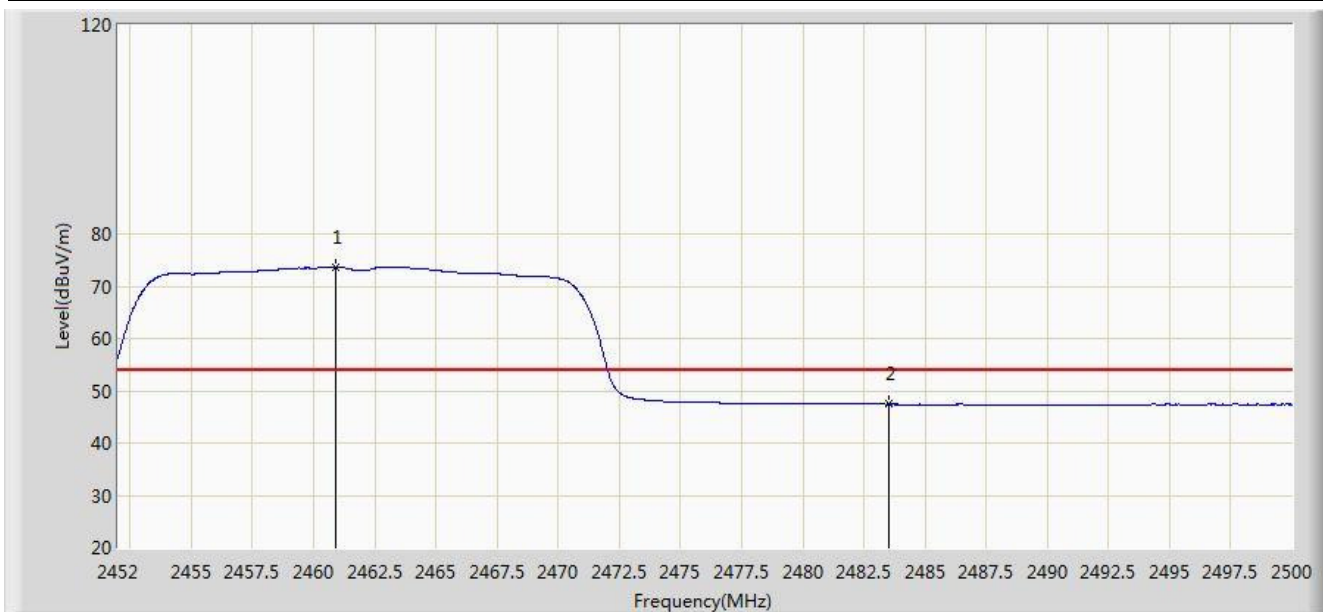


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.584	93.156	62.025	19.156	74.000	31.131	PK
2			2483.500	59.807	28.614	-14.193	74.000	31.194	PK
3			2486.536	62.006	30.805	N/A	N/A	31.201	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

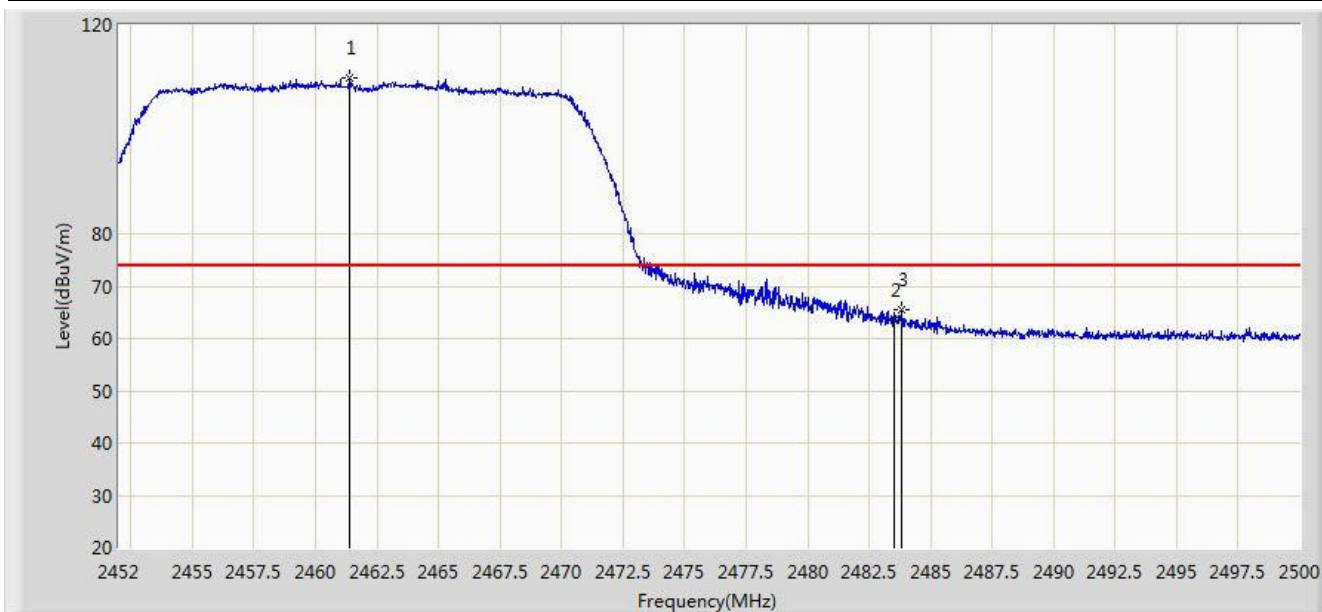


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.928	73.613	42.480	N/A	N/A	31.133	AV
2			2483.500	47.394	16.201	-6.606	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
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		*	2461.408	109.750	78.616	N/A	N/A	31.134	PK
2			2483.500	63.565	32.372	-10.435	74.000	31.194	PK
3			2483.824	65.458	34.264	-8.542	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: 2015/10/22 - 11:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0+1	

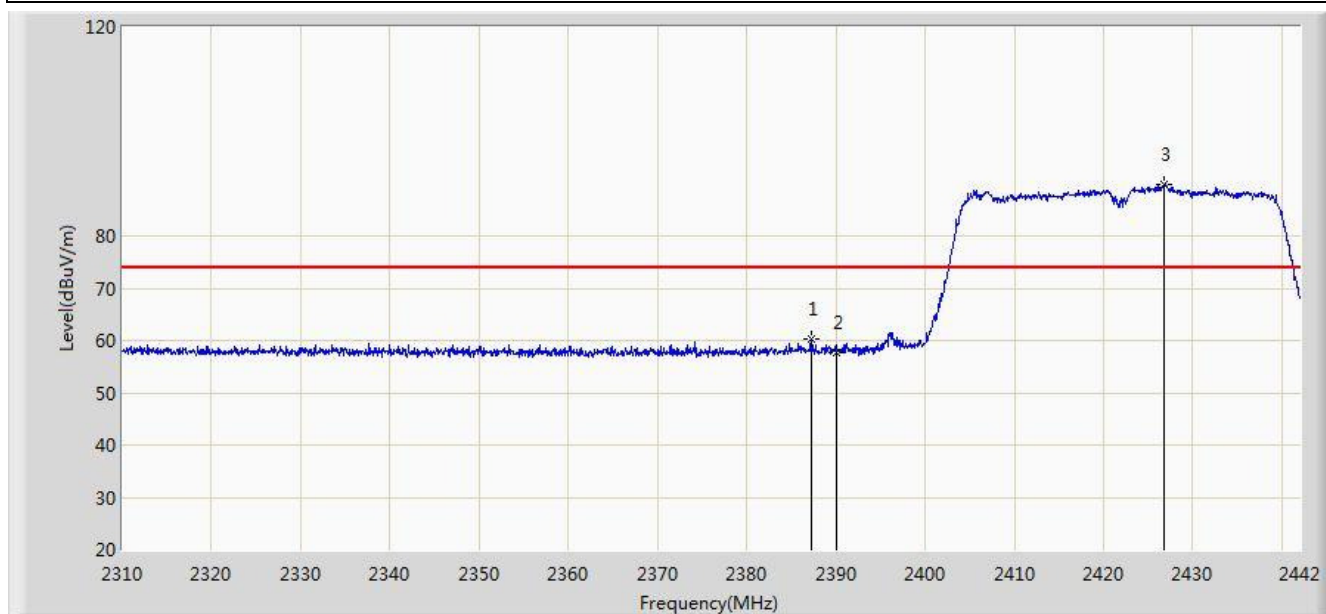


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.712	86.449	55.316	N/A	N/A	31.133	AV
2			2483.500	49.343	18.150	-4.657	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 12:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

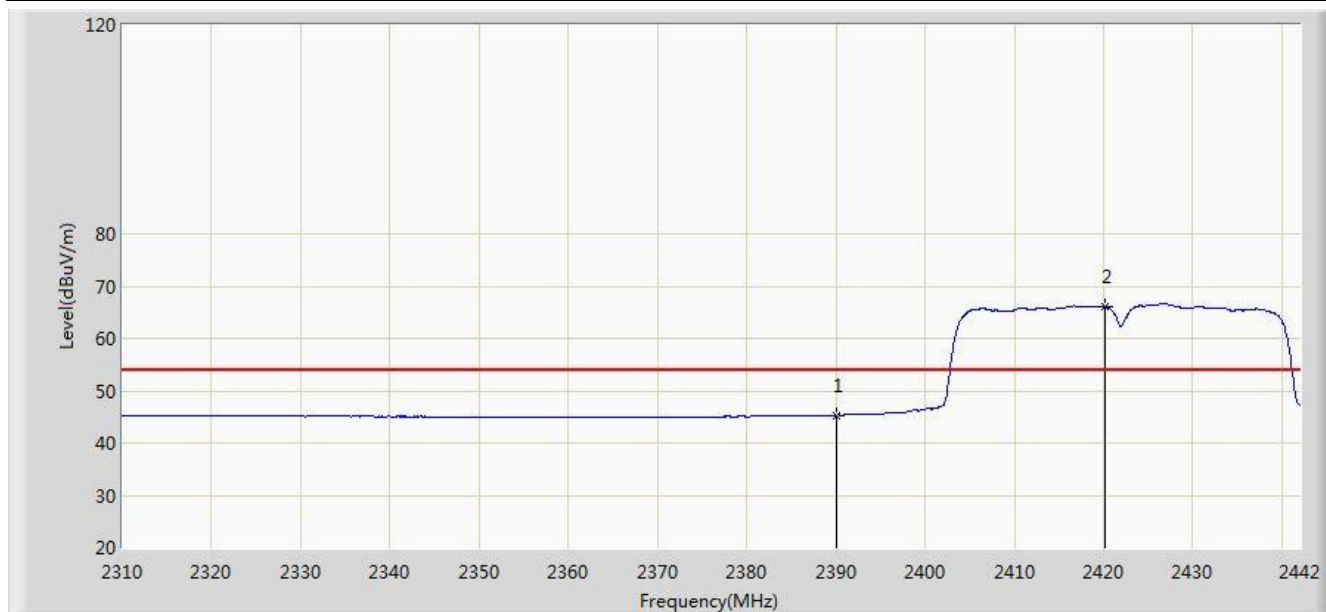


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.286	60.321	29.113	-13.679	74.000	31.208	PK
2			2390.000	57.714	26.511	-16.286	74.000	31.203	PK
3		*	2426.754	89.825	58.681	N/A	N/A	31.144	PK

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

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

Site: AC1	Time: 2015/10/22 - 12:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

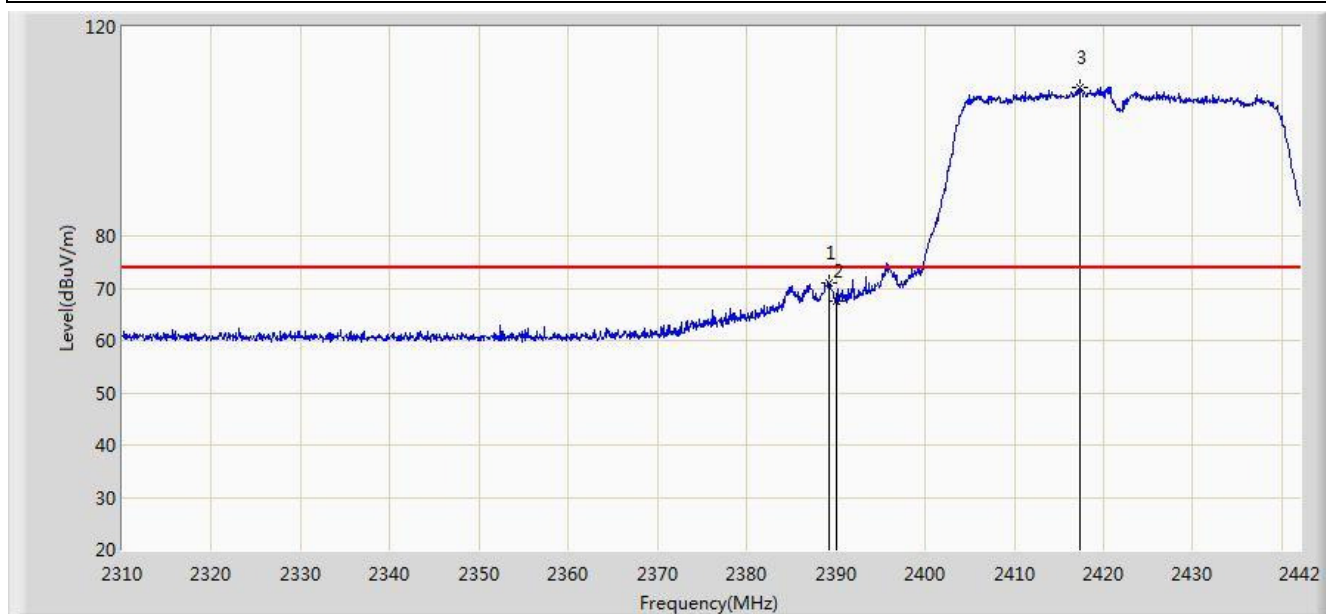


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.352	14.149	-8.648	54.000	31.203	AV
2		*	2420.154	66.139	34.984	N/A	N/A	31.156	AV

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

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

Site: AC1	Time: 2015/10/22 - 11:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

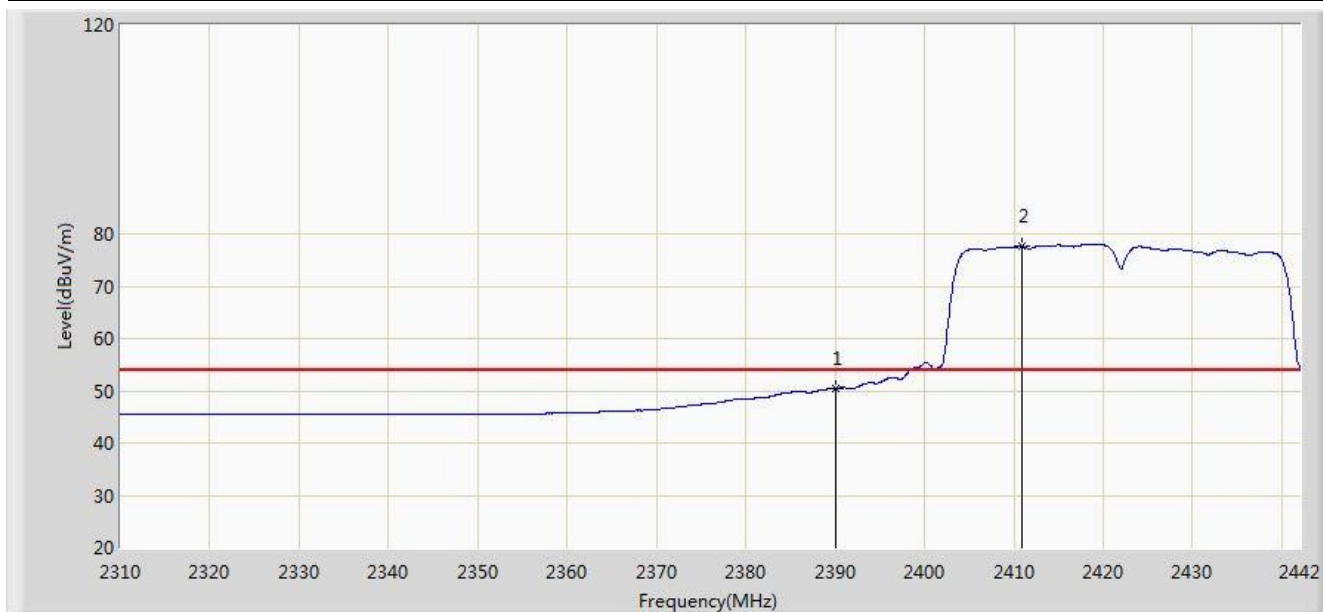


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.200	70.942	39.738	-3.058	74.000	31.204	PK
2			2390.000	67.500	36.297	-6.500	74.000	31.203	PK
3		*	2417.316	108.274	77.114	N/A	N/A	31.160	PK

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

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

Site: AC1	Time: 2015/10/22 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0+1	

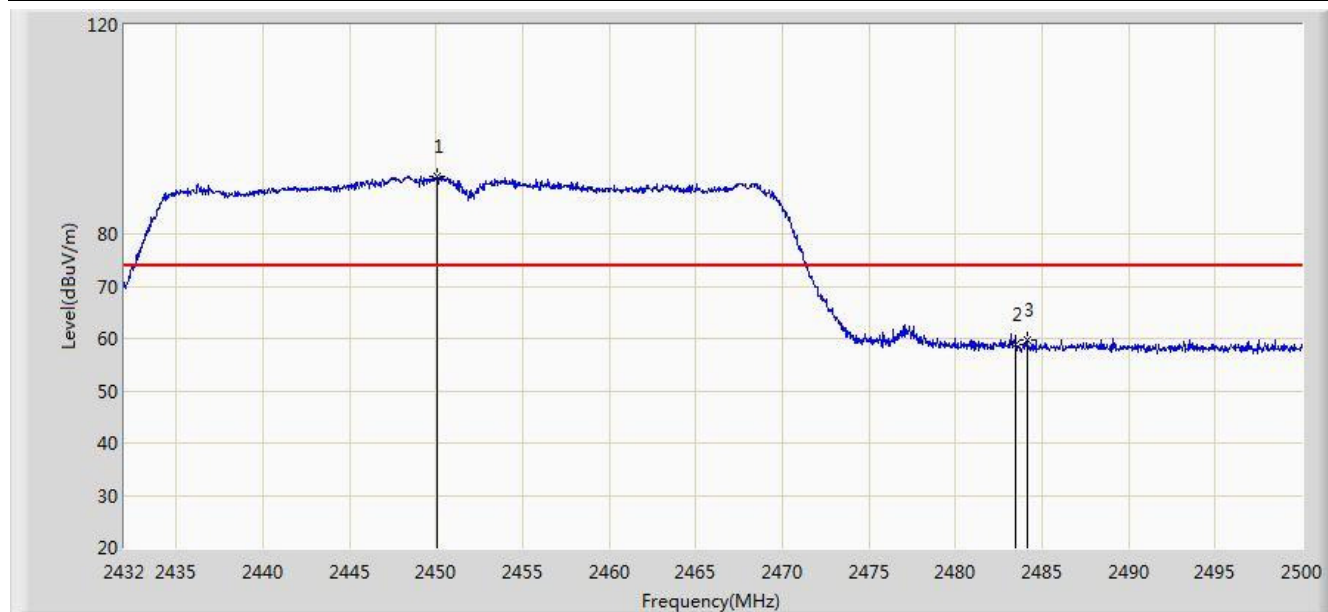


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.463	19.260	-3.537	54.000	31.203	AV
2		*	2410.914	77.616	46.445	N/A	N/A	31.171	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

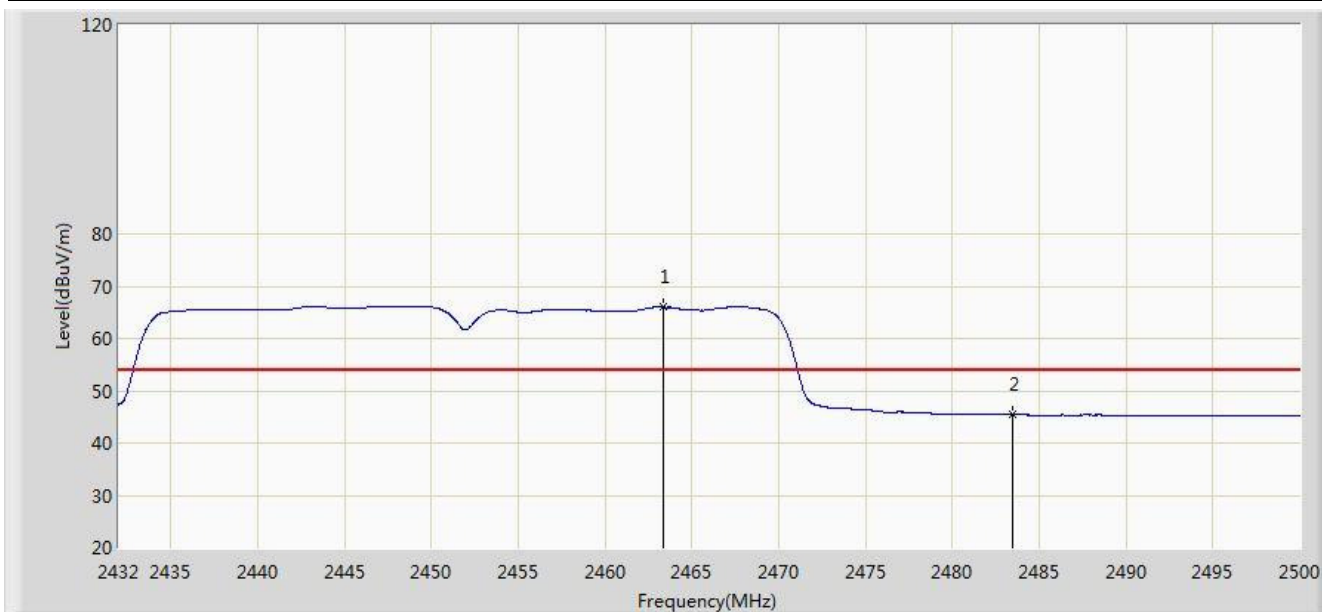


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.054	91.043	59.929	N/A	N/A	31.114	PK
2			2483.500	58.830	27.637	-15.170	74.000	31.194	PK
3			2484.122	59.835	28.640	-14.165	74.000	31.195	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

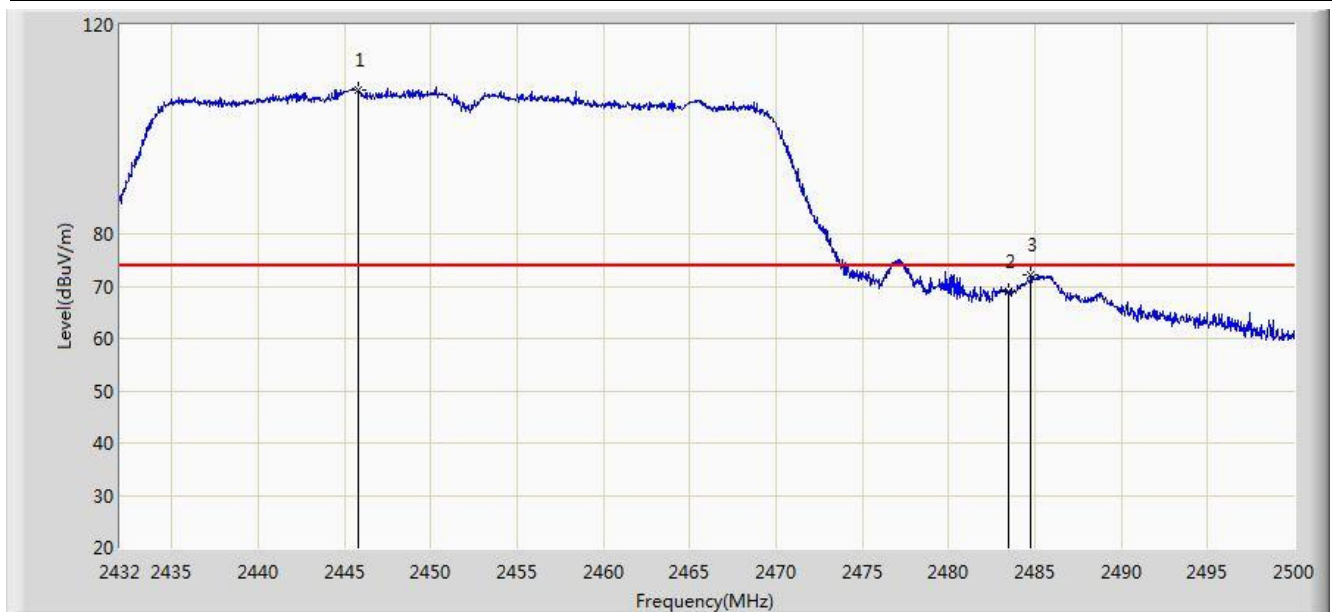


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.382	65.962	34.824	N/A	N/A	31.138	AV
2			2483.500	45.400	14.207	-8.600	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0+1	

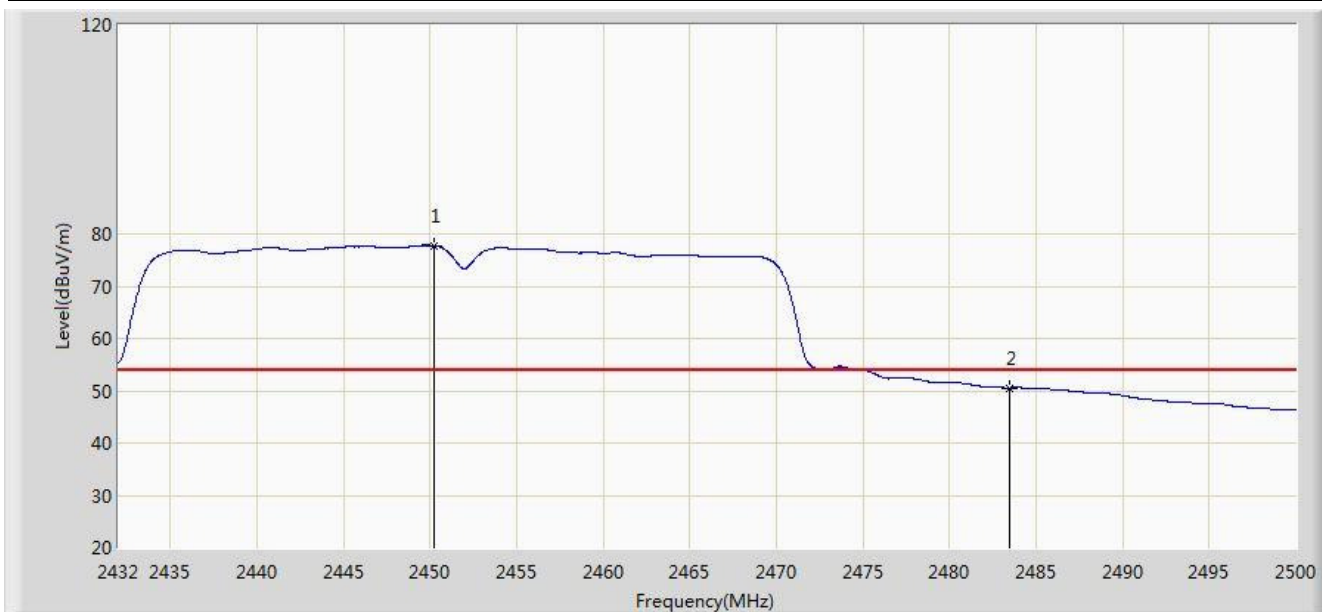


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2445.770	107.535	76.428	N/A	N/A	31.108	PK
2			2483.500	69.035	37.842	-4.965	74.000	31.194	PK
3			2484.768	72.111	40.914	-1.889	74.000	31.197	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
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		*	2450.258	77.754	46.640	N/A	N/A	31.115	AV
2			2483.500	50.575	19.382	-3.425	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

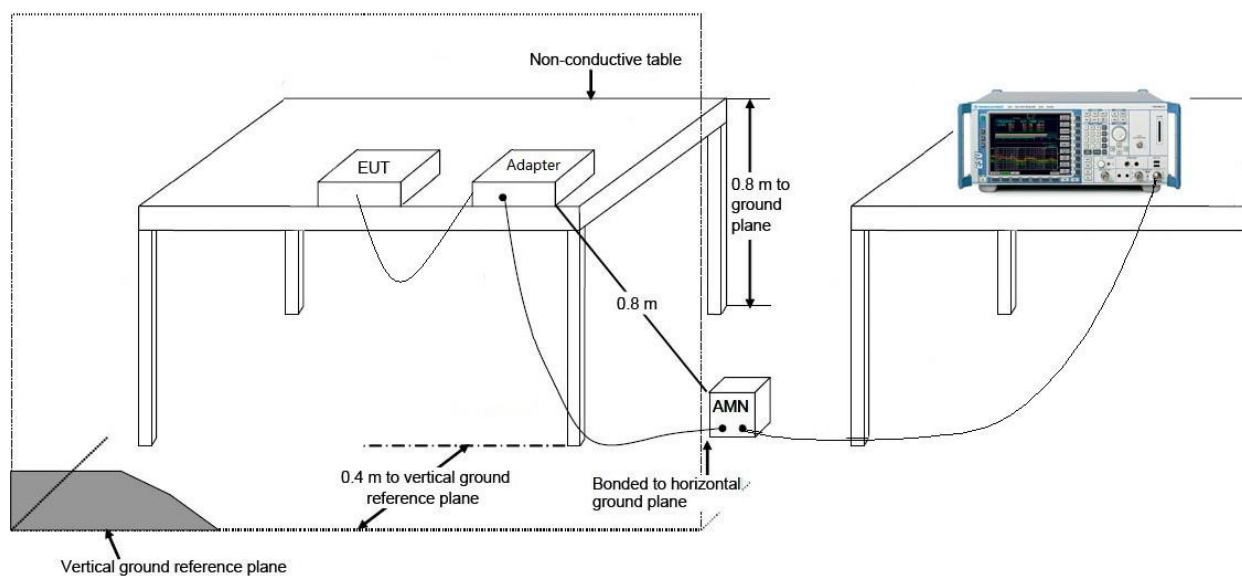
7.8.1. Test Limit

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.

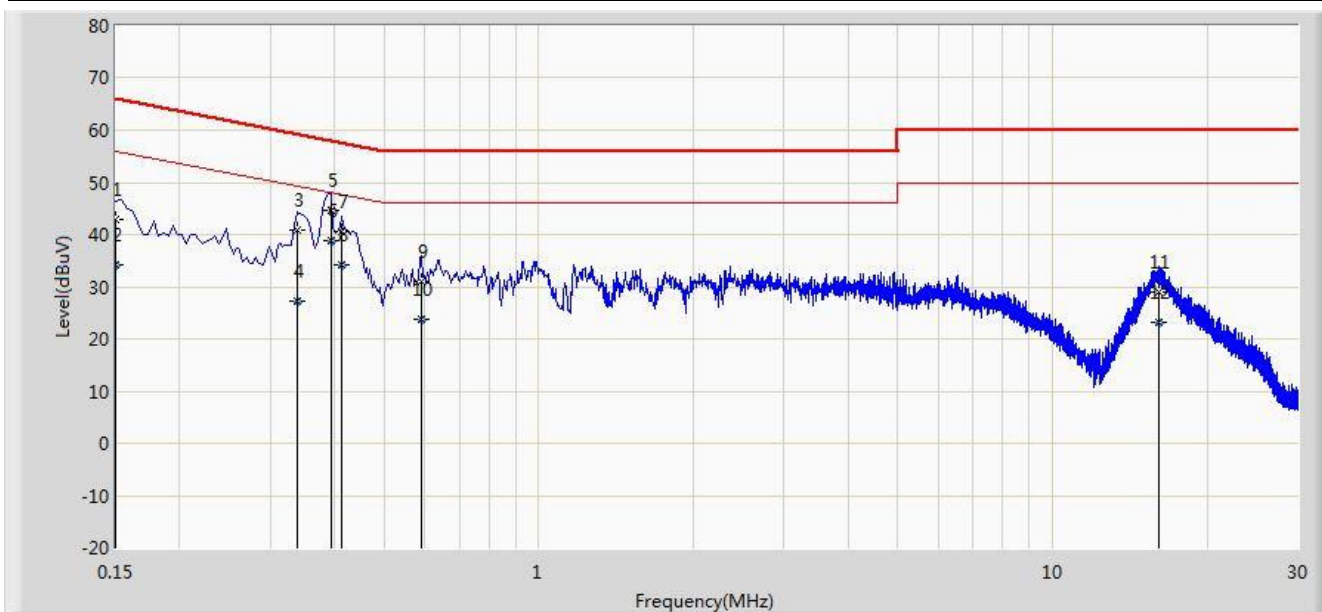
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

Site: SR2	Time: 2015/10/23 - 18:46
Limit: FCC_Part15.207_CE_AC Power	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: wifi adapter	Power: AC 120V/60Hz
Note: Mode 1	

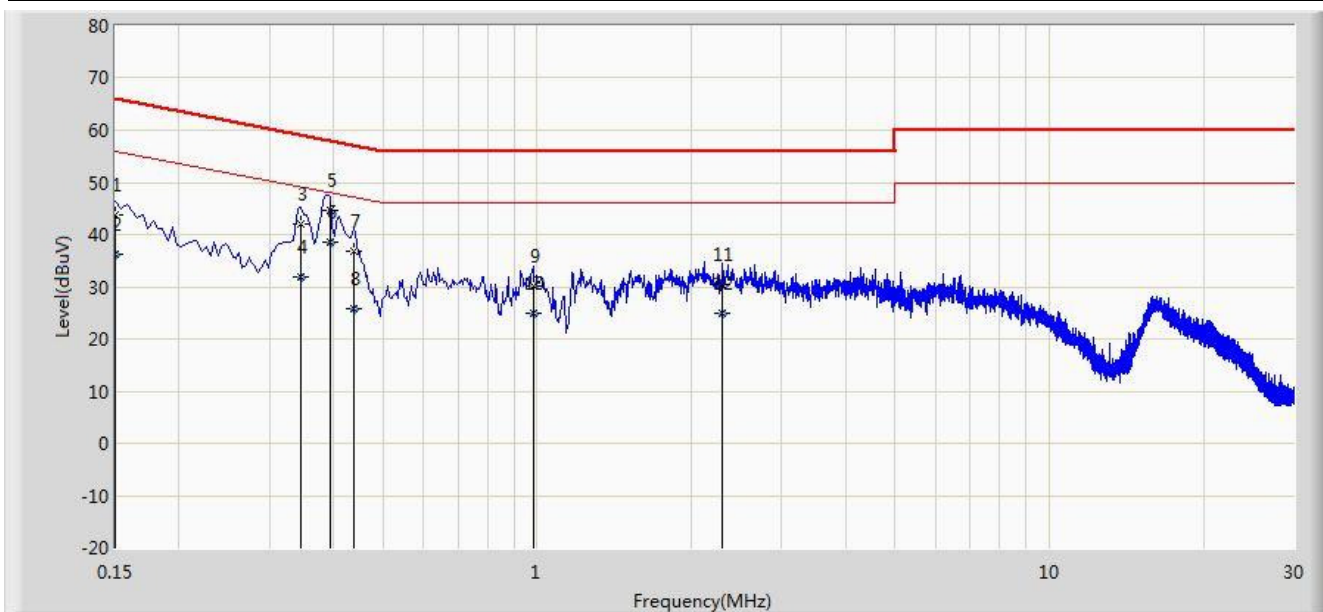


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	42.805	31.636	-23.195	66.000	11.168	QP
2			0.150	34.318	23.150	-21.682	56.000	11.168	AV
3			0.338	40.920	30.885	-18.333	59.252	10.034	QP
4			0.338	27.166	17.132	-22.086	49.252	10.034	AV
5			0.394	44.722	34.642	-13.257	57.979	10.080	QP
6		*	0.394	38.912	28.832	-9.066	47.979	10.080	AV
7			0.414	40.707	30.611	-16.860	57.568	10.097	QP
8			0.414	34.230	24.133	-13.338	47.568	10.097	AV
9			0.590	31.050	20.930	-24.950	56.000	10.120	QP
10			0.590	23.692	13.572	-22.308	46.000	10.120	AV
11			16.054	29.075	19.003	-30.925	60.000	10.072	QP
12			16.054	23.093	13.021	-26.907	50.000	10.072	AV

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

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

Site: SR2	Time: 2015/10/23 - 18:50
Limit: FCC_Part15.207_CE_AC Power	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: wifi adapter	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	43.765	32.623	-22.235	66.000	11.142	QP
2			0.150	36.136	24.994	-19.864	56.000	11.142	AV
3			0.346	41.992	31.920	-17.066	59.058	10.071	QP
4			0.346	31.850	21.778	-17.208	49.058	10.071	AV
5			0.394	44.717	34.609	-13.262	57.979	10.108	QP
6		*	0.394	38.457	28.349	-9.522	47.979	10.108	AV
7			0.438	36.807	26.666	-20.293	57.100	10.141	QP
8			0.438	25.660	15.519	-21.439	47.100	10.141	AV
9			0.982	30.014	20.096	-25.986	56.000	9.918	QP
10			0.982	24.845	14.927	-21.155	46.000	9.918	AV
11			2.302	30.338	20.472	-25.662	56.000	9.866	QP
12			2.302	24.931	15.065	-21.069	46.000	9.866	AV

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and showed that the **wifi adapter FCC ID:**

2ADU2-H50317 is in compliance with Part 15C of the FCC Rules.

The End