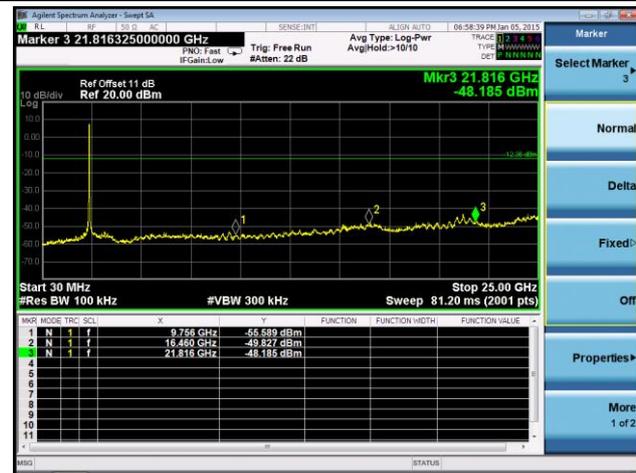


### Spurious Emission

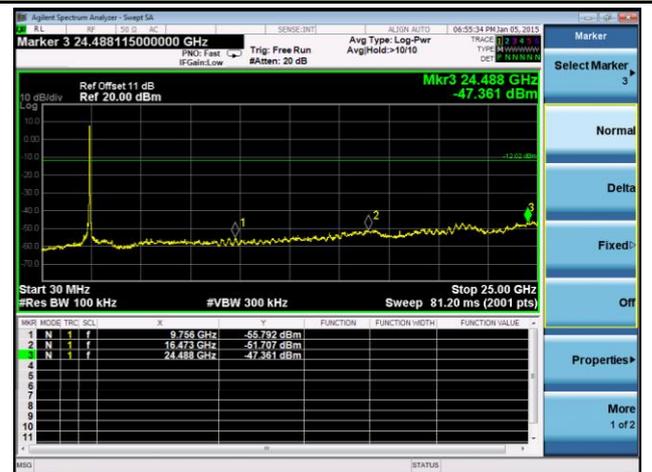


### Channel 06 (2437MHz)

#### 100kHz PSD Reference Level

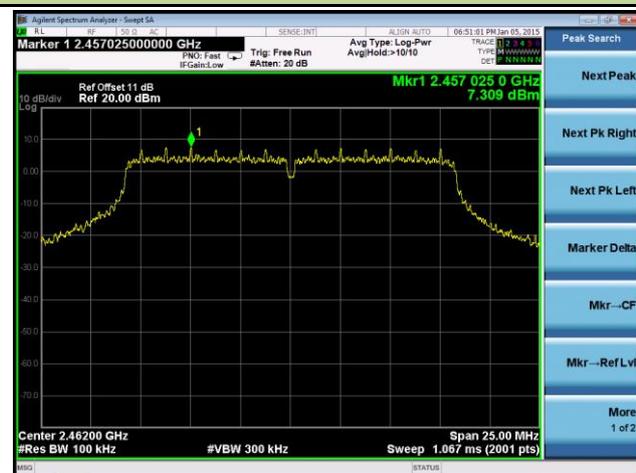


#### Spurious Emission

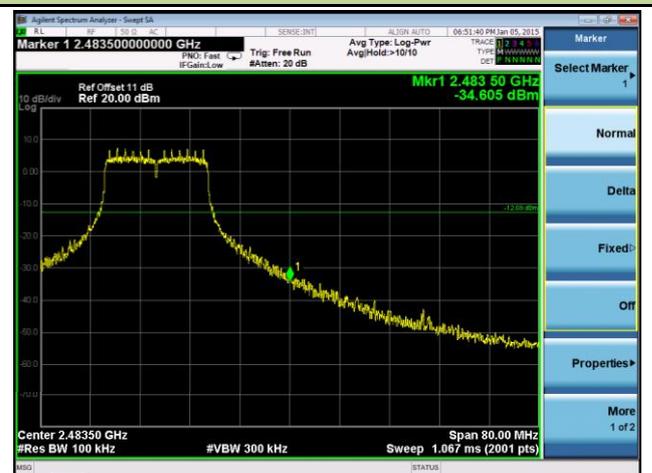


### Channel 11 (2462MHz)

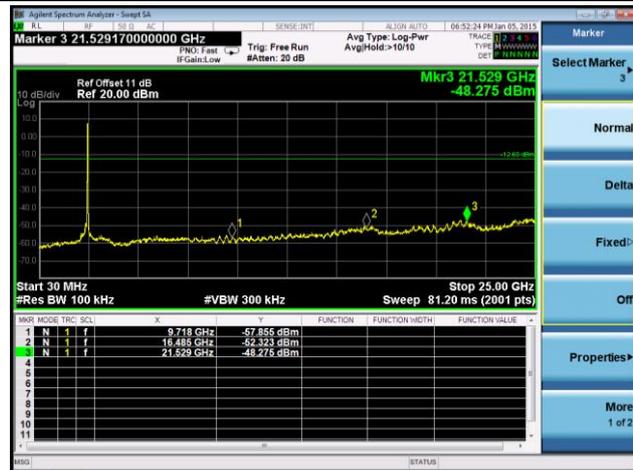
#### 100kHz PSD Reference Level



#### High Band Edge



### Spurious Emission



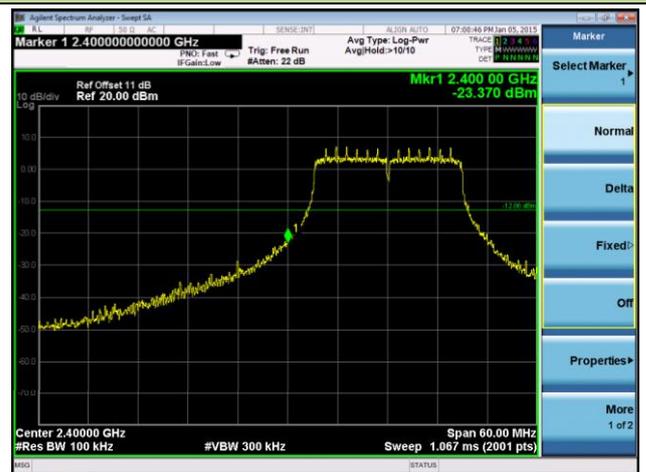
### 802.11n-HT20 Out-of-Band Emissions - Ant 1

#### Channel 01 (2412MHz)

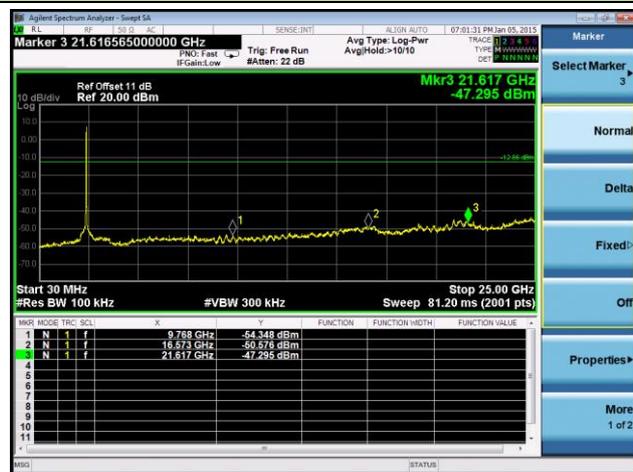
#### 100kHz PSD Reference Level



#### Low Band Edge

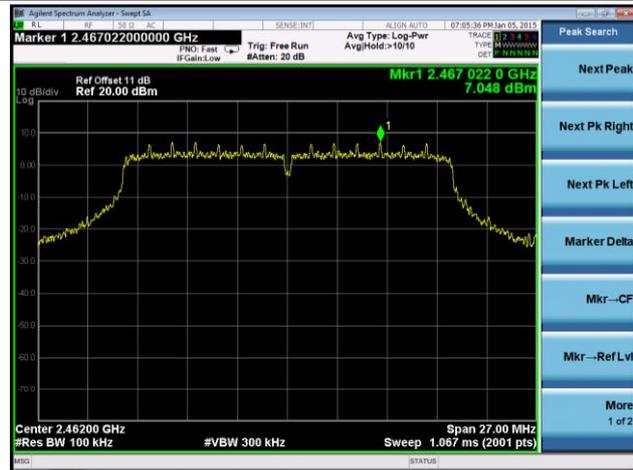


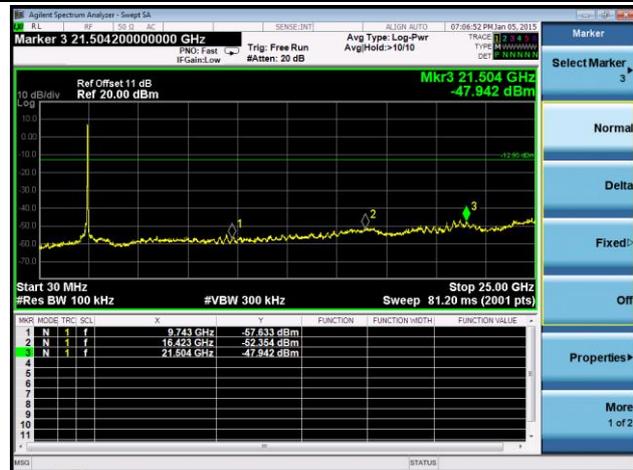
### Spurious Emission



**Channel 06 (2437MHz)**
**100kHz PSD Reference Level**

**Spurious Emission**

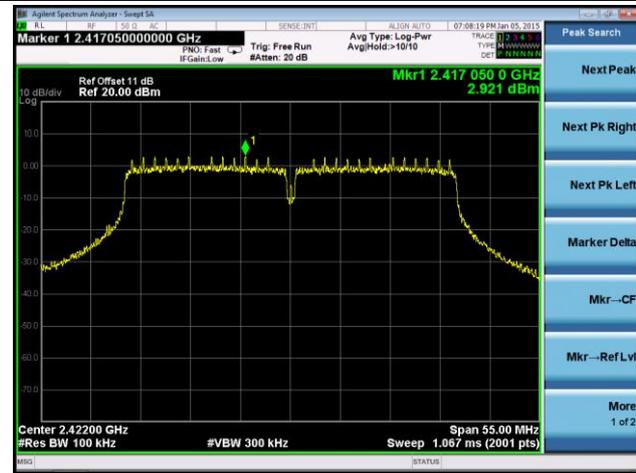
**Channel 11 (2462MHz)**
**100kHz PSD Reference Level**

**High Band Edge**

**Spurious Emission**


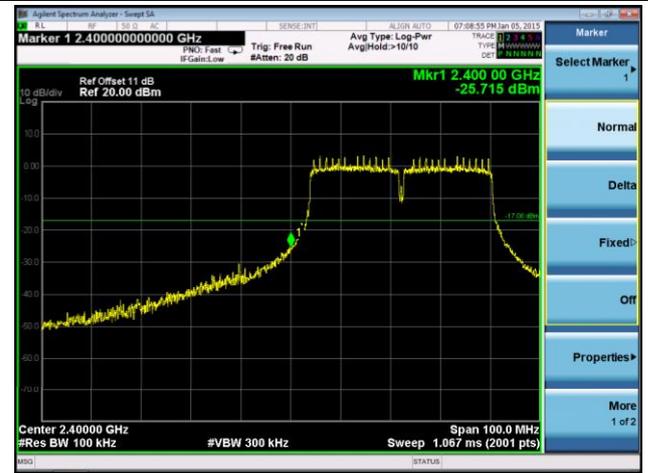
### 802.11n-HT40 Out-of-Band Emissions - Ant 1

#### Channel 03 (2422MHz)

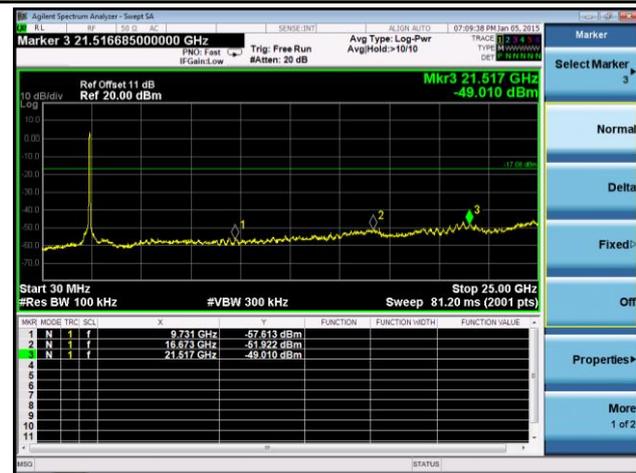
##### 100kHz PSD Reference Level



##### Low Band Edge



##### Spurious Emission

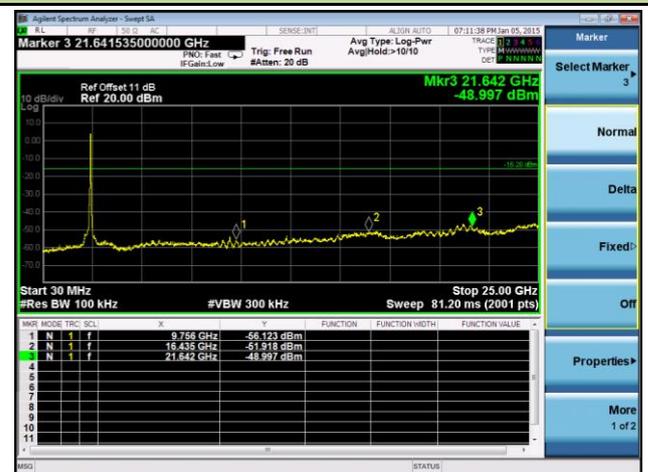


#### Channel 06 (2437MHz)

##### 100kHz PSD Reference Level

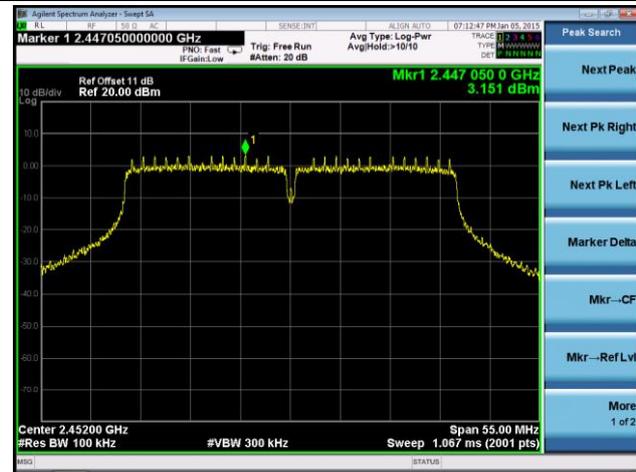


##### Spurious Emission



### Channel 09 (2452MHz)

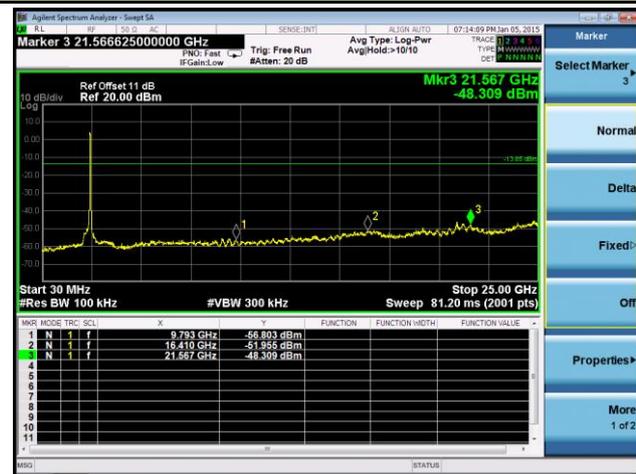
#### 100kHz PSD Reference Level



#### High Band Edge



#### Spurious Emission



### 802.11b Out-of-Band Emissions - Ant 2

#### Channel 01 (2412MHz)

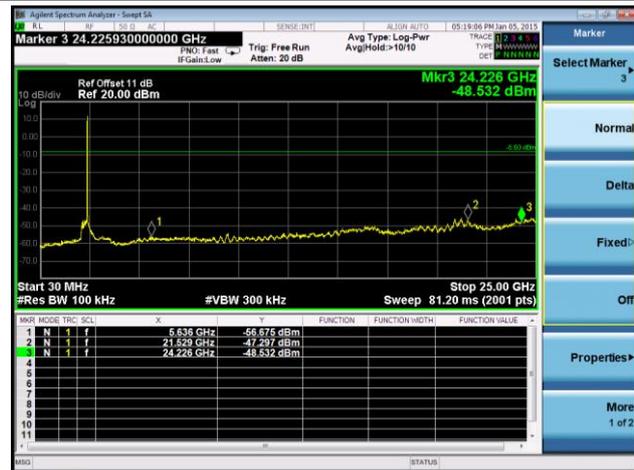
##### 100kHz PSD Reference Level



##### Low Band Edge



##### Spurious Emission

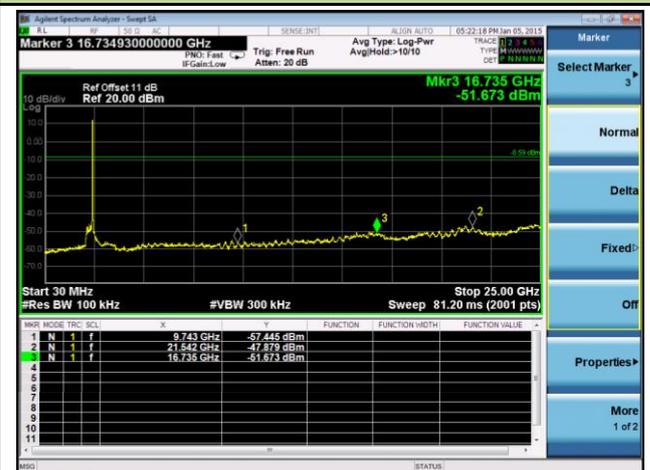


#### Channel 06 (2437MHz)

##### 100kHz PSD Reference Level



##### Spurious Emission



### Channel 11 (2462MHz)

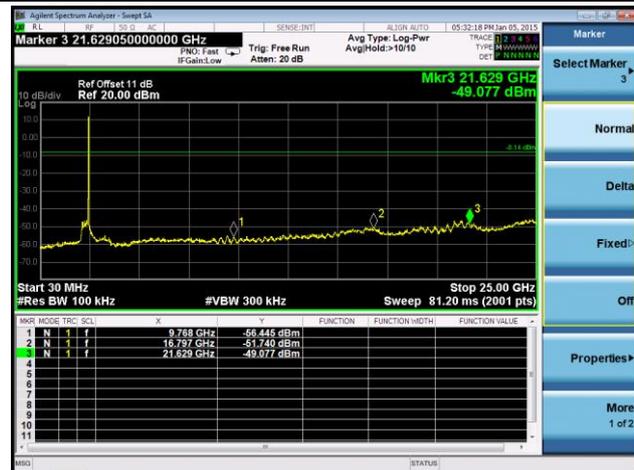
#### 100kHz PSD Reference Level



#### High Band Edge



#### Spurious Emission



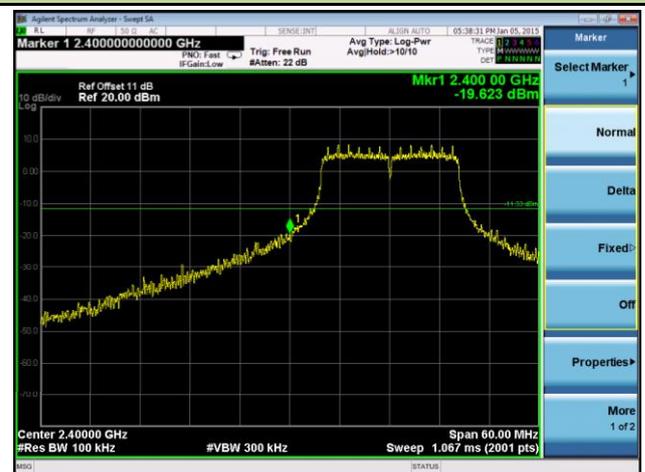
### 802.11g Out-of-Band Emissions - Ant 2

### Channel 01 (2412MHz)

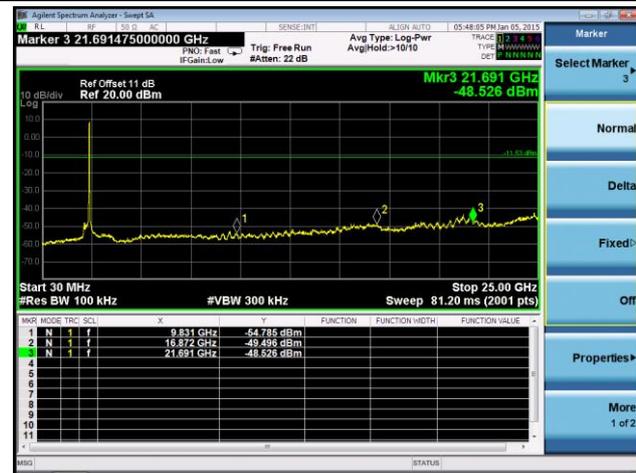
#### 100kHz PSD Reference Level



#### Low Band Edge

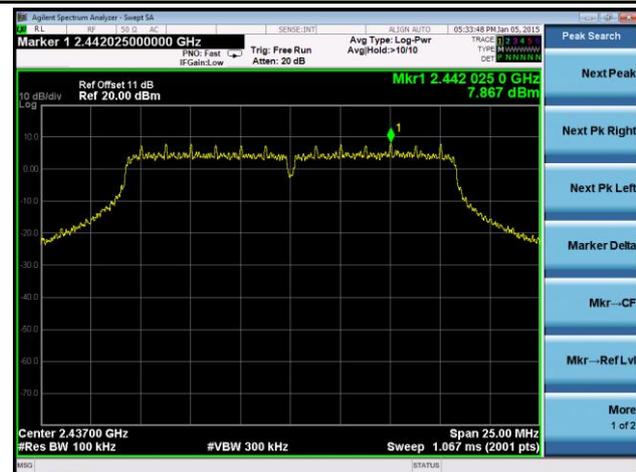


### Spurious Emission

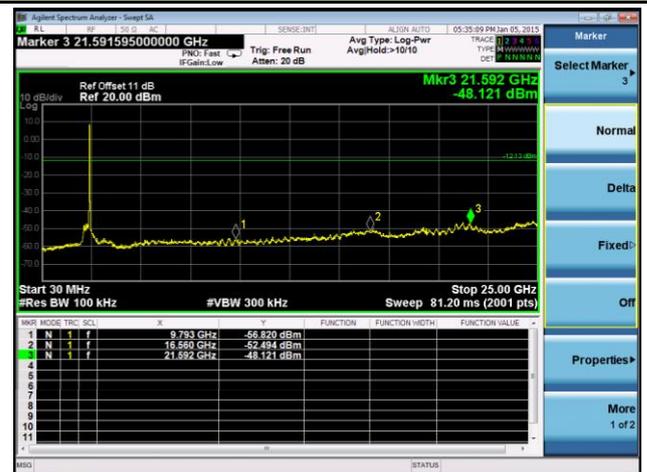


### Channel 06 (2437MHz)

#### 100kHz PSD Reference Level



#### Spurious Emission

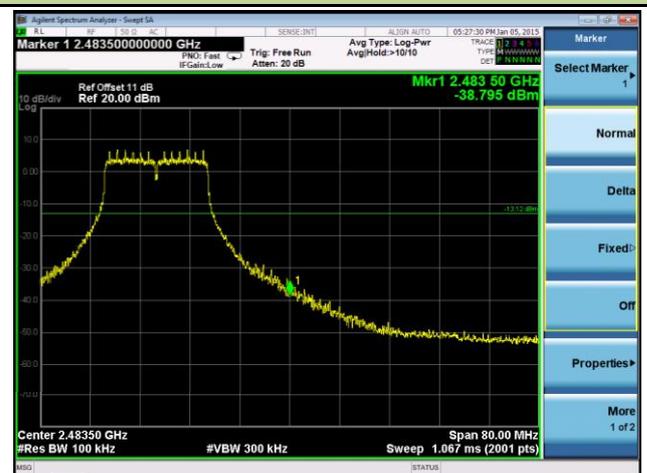


### Channel 11 (2462MHz)

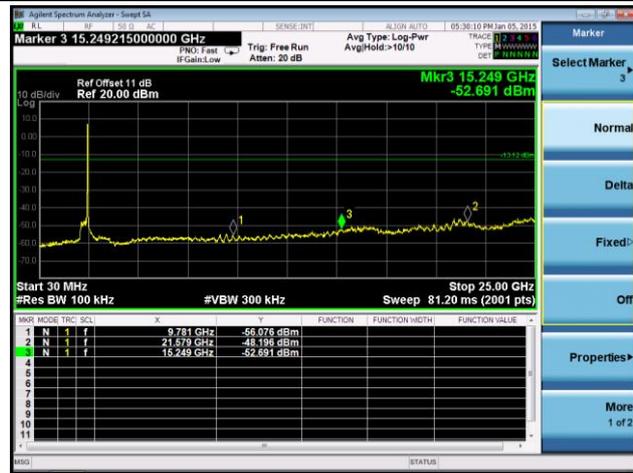
#### 100kHz PSD Reference Level



#### High Band Edge



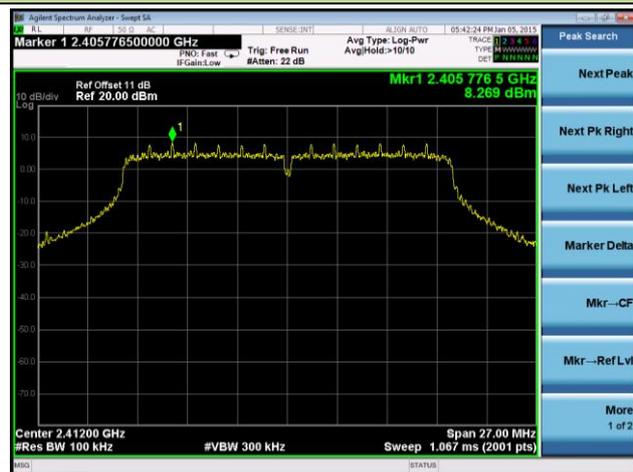
### Spurious Emission



### 802.11n-HT20 Out-of-Band Emissions - Ant 2

#### Channel 01 (2412MHz)

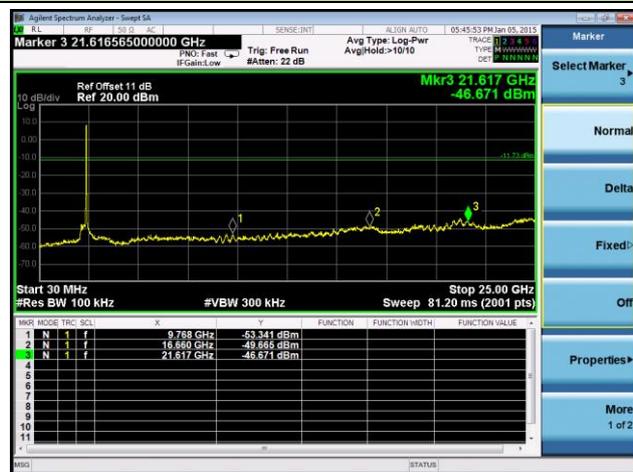
#### 100kHz PSD Reference Level



#### Low Band Edge



### Spurious Emission

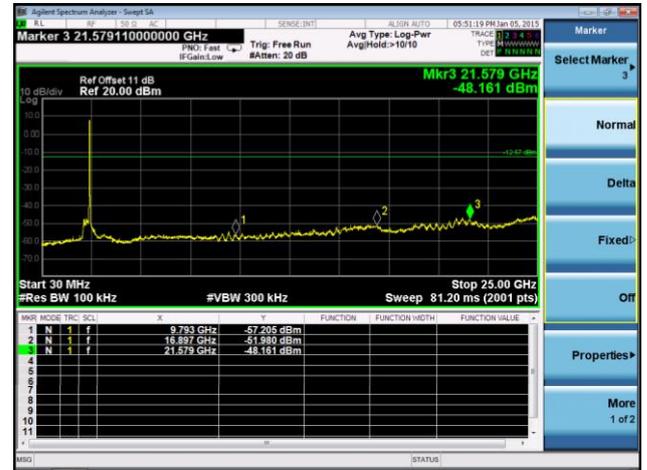


### Channel 06 (2437MHz)

#### 100kHz PSD Reference Level



#### Spurious Emission



### Channel 11 (2462MHz)

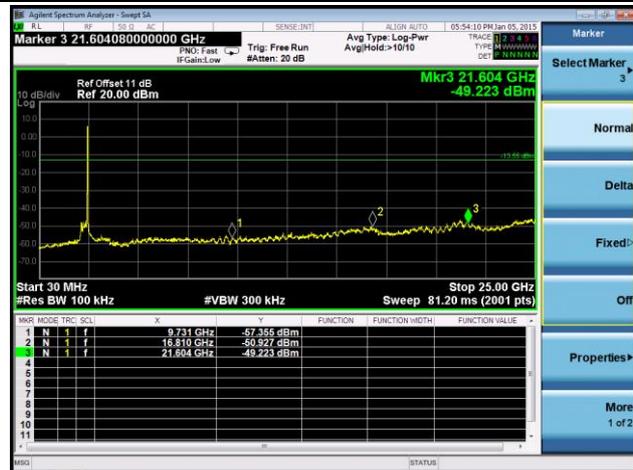
#### 100kHz PSD Reference Level



#### High Band Edge



#### Spurious Emission



### 802.11n-HT40 Out-of-Band Emissions - Ant 2

#### Channel 03 (2422MHz)

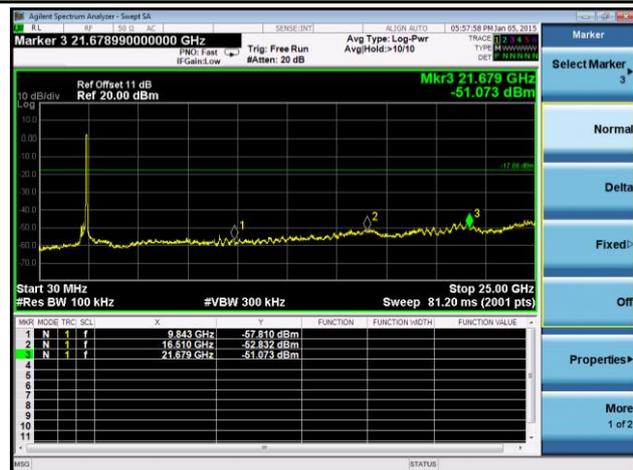
##### 100kHz PSD Reference Level



##### Low Band Edge



##### Spurious Emission

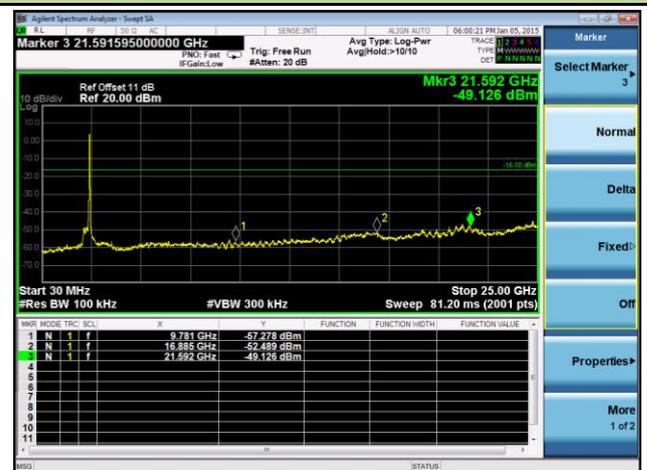


#### Channel 06 (2437MHz)

##### 100kHz PSD Reference Level



##### Spurious Emission



### Channel 09 (2452MHz)

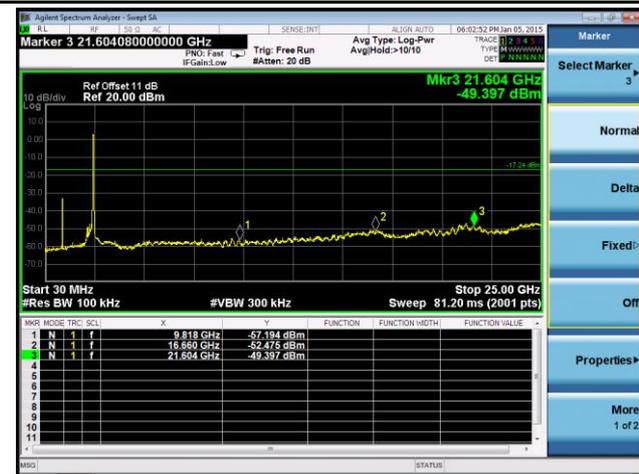
#### 100kHz PSD Reference Level



#### 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 D01v03r04 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r04 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r04 - 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**

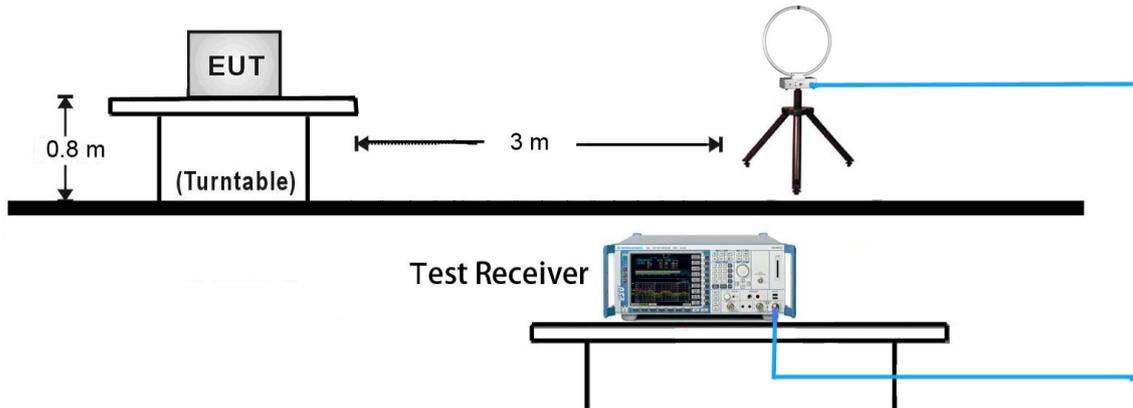
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

**Average Field Strength Measurements**

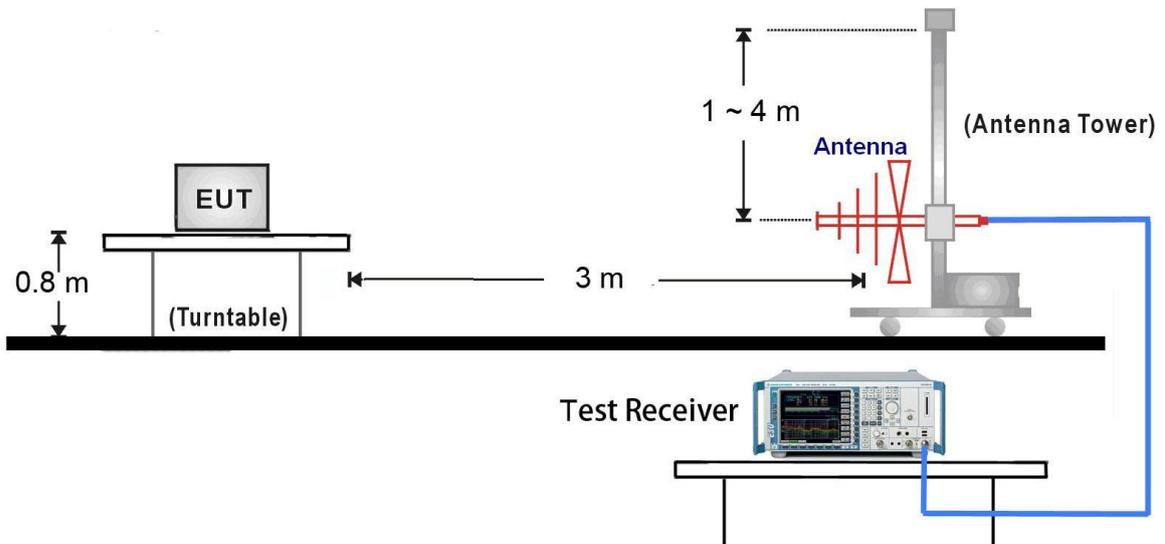
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq$  1/T
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB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

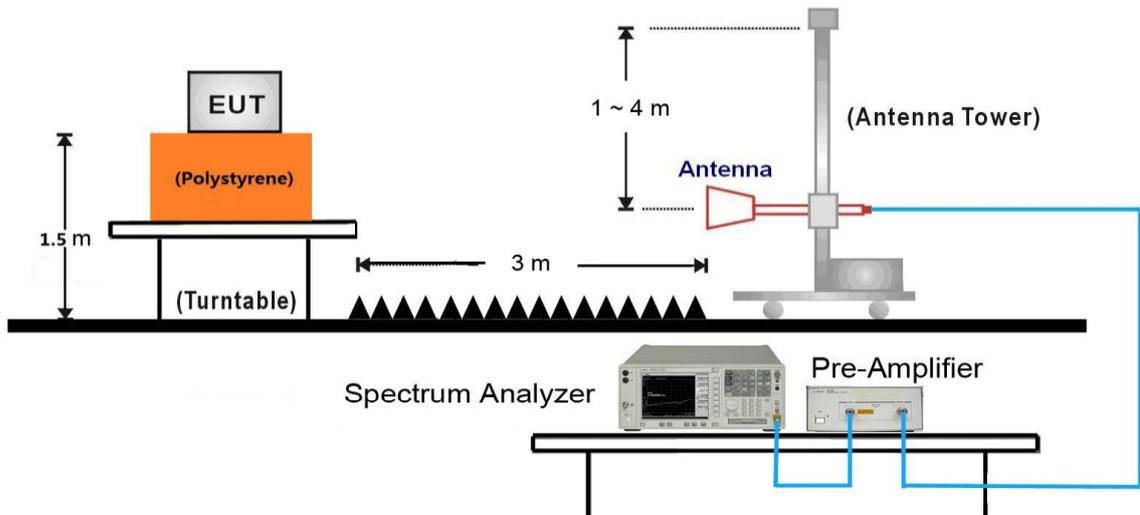
#### 9kHz ~ 30MHz Test Setup:



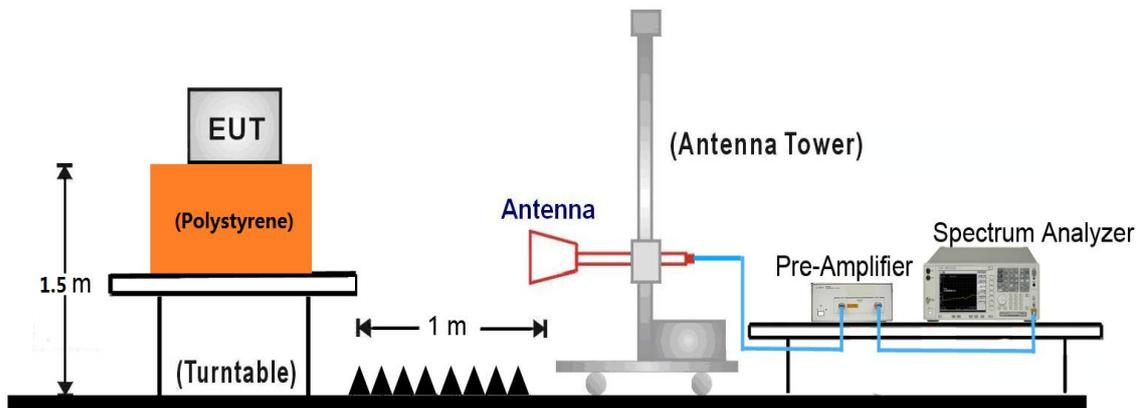
#### 30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



**7.6.5. Test Result**

Test Mode:	802.11b - Ant 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4825.0	50.1	2.7	52.8	94.3	-41.5	Peak	Horizontal
*	5437.0	36.2	3.4	39.6	94.3	-54.7	Peak	Horizontal
	7239.0	40.9	7.8	48.7	74.0	-25.3	Peak	Horizontal
	9644.5	38.5	11.0	49.5	74.0	-24.5	Peak	Horizontal
*	4825.0	43.7	2.7	46.4	94.3	-47.9	Peak	Vertical
*	5037.5	36.5	3.1	39.6	94.3	-54.7	Peak	Vertical
	8012.5	37.4	8.7	46.1	74.0	-27.9	Peak	Vertical
	9644.5	39.3	11.0	50.3	74.0	-23.7	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.3dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Test Mode:	802.11b - 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
*	4876.0	50.4	2.7	53.1	94.6	-41.5	Peak	Horizontal
*	7315.5	40.1	8.0	48.1	94.6	-46.5	Peak	Horizontal
	9746.5	37.1	11.3	48.4	74.0	-25.6	Peak	Horizontal
	10503.0	35.6	12.4	48.0	74.0	-26.0	Peak	Horizontal
*	4876.0	43.1	2.7	45.8	94.6	-48.8	Peak	Vertical
*	7307.0	36.9	8.0	44.9	94.6	-49.7	Peak	Vertical
	8514.0	37.8	8.4	46.2	74.0	-27.8	Peak	Vertical
	9746.5	39.6	11.3	50.9	74.0	-23.1	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.6dBμV/m).

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+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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4927.0	50.2	2.8	53.0	94.8	-41.8	Peak	Horizontal
*	7383.5	38.2	7.9	46.1	94.8	-48.7	Peak	Horizontal
	9848.5	37.7	11.6	49.3	74.0	-24.7	Peak	Horizontal
	10384.0	36.1	12.3	48.4	74.0	-25.6	Peak	Horizontal
*	4927.0	43.4	2.8	46.2	94.8	-48.6	Peak	Vertical
*	5131.0	36.9	3.3	40.2	94.8	-54.6	Peak	Vertical
	9848.5	38.1	11.6	49.7	74.0	-24.3	Peak	Vertical
	10469.0	35.6	12.1	47.7	74.0	-26.3	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (114.8dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Test Mode:	802.11g - 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4825.0	46.1	2.7	48.8	93.2	-44.4	Peak	Horizontal
*	5037.5	36.5	3.1	39.6	93.2	-53.6	Peak	Horizontal
	7230.5	37.4	7.8	45.2	74.0	-28.8	Peak	Horizontal
	9950.5	35.6	11.5	47.1	74.0	-26.9	Peak	Horizontal
*	4825.0	38.6	2.7	41.3	93.2	-51.9	Peak	Vertical
*	5037.5	36.7	3.1	39.8	93.2	-53.4	Peak	Vertical
	7205.0	37.5	7.8	45.3	74.0	-28.7	Peak	Vertical
	10358.5	36.3	12.2	48.5	74.0	-25.5	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (113.2dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Test Mode:	802.11g - 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4876.0	46.3	2.7	49.0	92.8	-43.8	Peak	Horizontal
*	7315.5	41.6	8.0	49.6	92.8	-43.2	Peak	Horizontal
	9738.0	37.5	11.2	48.7	74.0	-25.3	Peak	Horizontal
	10367.0	34.7	12.2	46.9	74.0	-27.1	Peak	Horizontal
*	4876.0	39.1	2.7	41.8	92.8	-51.0	Peak	Vertical
*	5454.0	35.9	3.4	39.3	92.8	-53.5	Peak	Vertical
	7162.5	37.2	7.7	44.9	74.0	-29.1	Peak	Vertical
	9746.5	39.1	11.3	50.4	74.0	-23.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.8dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Test Mode:	802.11g - 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4927.0	48.6	2.8	51.3	92.2	-40.9	Peak	Horizontal
*	7383.5	42.2	7.9	50.1	92.2	-42.1	Peak	Horizontal
	9857.0	36.1	11.6	47.7	74.0	-26.3	Peak	Horizontal
	10494.5	35.6	12.4	48.0	74.0	-26.0	Peak	Horizontal
*	4927.0	41.2	2.8	44.0	92.2	-48.2	Peak	Vertical
*	5377.5	36.2	3.0	39.2	92.2	-53.0	Peak	Vertical
	9848.5	40.2	11.6	51.8	74.0	-22.2	Peak	Vertical
	10350.0	34.9	12.2	47.1	74.0	-26.9	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.2dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + 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
*	4825.0	46.4	2.7	49.1	91.2	-42.0	Peak	Horizontal
*	5437.0	35.7	3.4	39.1	91.2	-52.1	Peak	Horizontal
	7222.0	40.0	7.8	47.8	74.0	-26.2	Peak	Horizontal
	9644.5	37.4	11.0	48.4	74.0	-25.6	Peak	Horizontal
*	4825.0	38.9	2.7	41.6	91.2	-49.6	Peak	Vertical
*	5437.0	35.6	3.4	39.0	91.2	-52.2	Peak	Vertical
	6550.5	37.5	5.9	43.5	74.0	-30.5	Peak	Vertical
	9644.5	36.3	11.0	47.3	74.0	-26.7	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.2dBμV/m).

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
*	4876.0	46.2	2.7	48.9	90.7	-41.8	Peak	Horizontal
*	7315.5	43.4	8.0	51.4	90.7	-39.3	Peak	Horizontal
	9746.5	35.4	11.3	46.7	74.0	-27.3	Peak	Horizontal
	10562.5	34.9	12.5	47.4	74.0	-26.6	Peak	Horizontal
*	4876.0	39.9	2.7	42.6	90.7	-48.1	Peak	Vertical
*	5369.0	37.8	3.0	40.8	90.7	-49.9	Peak	Vertical
	9245.0	36.5	10.2	46.7	74.0	-27.3	Peak	Vertical
	9746.5	39.4	11.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.7dBμV/m).

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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4918.5	49.2	2.8	52.0	90.0	-38.0	Peak	Horizontal
*	7392.0	42.1	7.9	50.0	90.0	-40.0	Peak	Horizontal
	9865.5	37.4	11.6	49.0	74.0	-25.0	Peak	Horizontal
	10537.0	35.2	12.5	47.7	74.0	-26.3	Peak	Horizontal
*	4918.5	43.2	2.8	46.0	90.0	-44.0	Peak	Vertical
*	5352.0	35.9	3.0	38.9	90.0	-51.1	Peak	Vertical
	8752.0	36.9	9.0	45.9	74.0	-28.1	Peak	Vertical
	9848.5	39.1	11.6	50.7	74.0	-23.3	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.0dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4842.0	44.5	2.7	47.2	87.1	-39.9	Peak	Horizontal
*	7273.0	41.1	8.0	49.1	87.1	-38.0	Peak	Horizontal
	8709.5	36.8	9.0	45.8	74.0	-28.2	Peak	Horizontal
	13461.0	36.5	13.7	50.2	74.0	-23.8	Peak	Horizontal
*	4859.0	38.1	2.7	40.8	87.1	-46.3	Peak	Vertical
*	5428.5	36.4	3.3	39.7	87.1	-47.4	Peak	Vertical
	8624.5	36.7	8.8	45.5	74.0	-28.5	Peak	Vertical
	9704.0	37.4	11.0	48.4	74.0	-25.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.1dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4876.0	46.9	2.7	49.6	87.6	-38.0	Peak	Horizontal
*	7324.0	43.7	8.0	51.7	87.6	-35.9	Peak	Horizontal
	9738.0	36.2	11.2	47.5	74.0	-26.5	Peak	Horizontal
	10392.5	35.6	12.3	47.9	74.0	-26.1	Peak	Horizontal
*	4876.0	39.8	2.7	42.5	87.6	-45.1	Peak	Vertical
*	5386.0	36.0	3.0	39.0	87.6	-48.6	Peak	Vertical
	7876.5	37.8	8.4	46.2	74.0	-27.8	Peak	Vertical
	9755.0	38.2	11.4	49.6	74.0	-24.4	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.6dB $\mu$ V/m).

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + 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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	4901.5	47.0	2.7	49.7	87.9	-38.3	Peak	Horizontal
*	7366.5	42.1	7.9	50.0	87.9	-37.9	Peak	Horizontal
	8701.0	36.6	9.0	45.6	74.0	-28.4	Peak	Horizontal
	9797.5	36.7	11.5	48.2	74.0	-25.8	Peak	Horizontal
*	4901.5	40.4	2.7	43.1	87.9	-44.8	Peak	Vertical
*	7356.0	36.1	8.0	44.1	87.9	-43.8	Peak	Vertical
	9789.0	36.3	11.4	47.7	74.0	-26.3	Peak	Vertical
	10554.0	36.1	12.5	48.6	74.0	-25.4	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.9dB $\mu$ V/m).

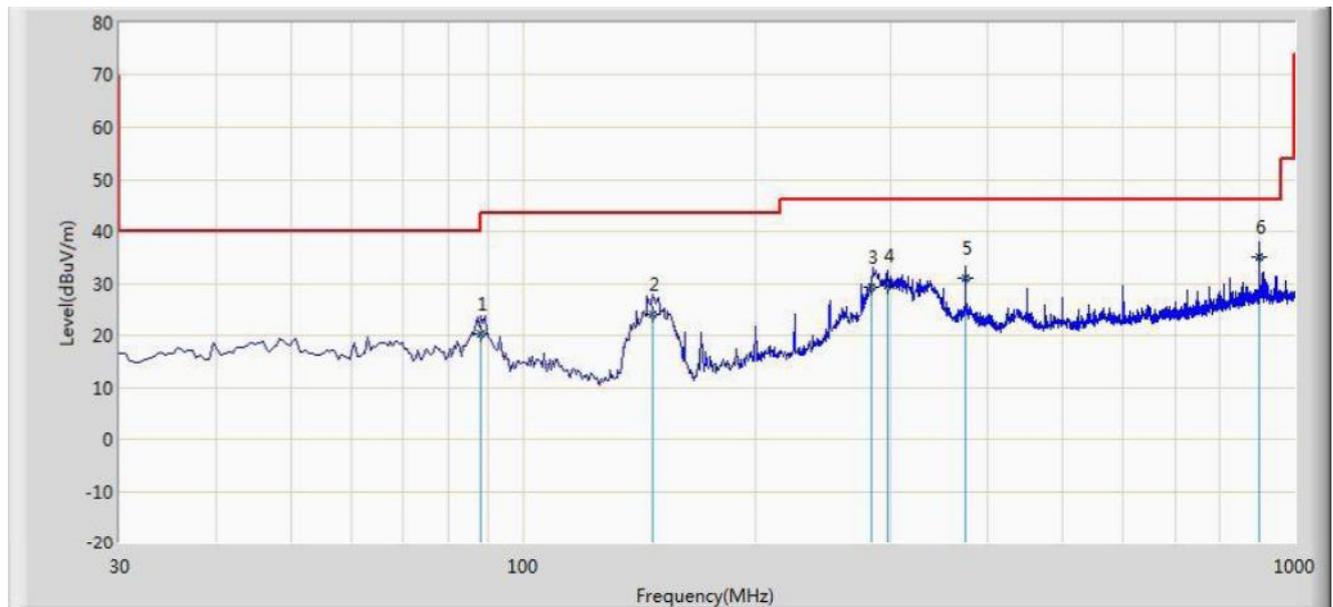
Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

**The worst case of Radiated Emission below 1GHz:**

Site: AC1	Time: 2015/04/09 - 11:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz

**Note: There is the worst case within frequency range 30MHz~1GHz.**

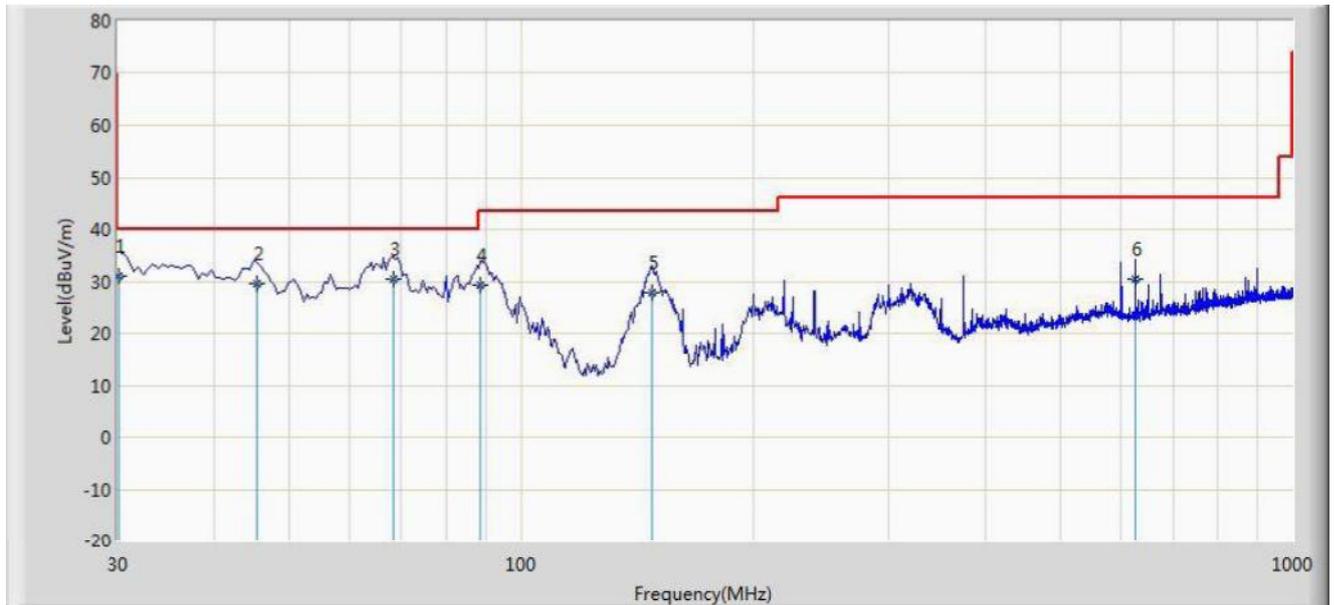


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			88.340	20.243	9.440	-23.257	43.500	10.803	QP
2			147.240	24.002	14.580	-19.498	43.500	9.422	QP
3			283.590	29.220	15.030	-16.780	46.000	14.190	QP
4			297.305	29.512	15.060	-16.488	46.000	14.452	QP
5			374.680	31.068	14.920	-14.932	46.000	16.148	QP
6		*	900.090	35.059	11.080	-10.941	46.000	23.979	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/04/09 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
<b>Note: There is the worst case within frequency range 30MHz~1GHz.</b>	

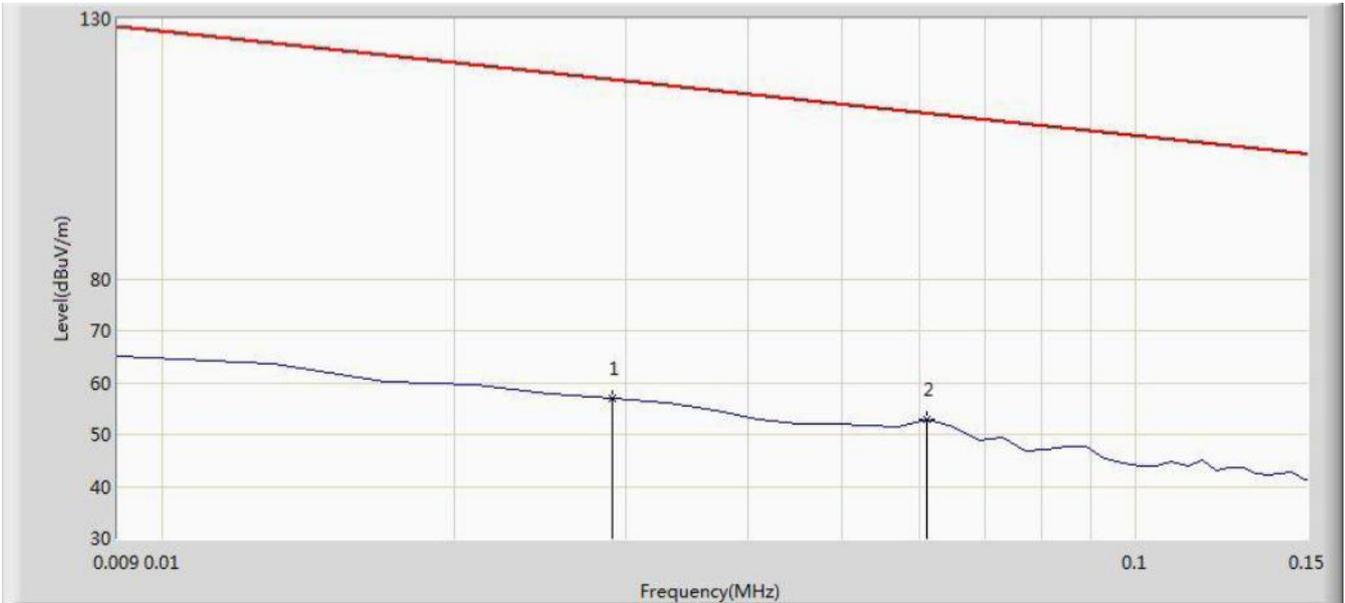


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	30.140	31.106	19.060	-8.894	40.000	12.046	QP
2			45.418	29.692	14.820	-10.308	40.000	14.871	QP
3			68.403	30.415	19.030	-9.585	40.000	11.385	QP
4			88.690	29.360	18.470	-14.140	43.500	10.890	QP
5			147.905	27.713	18.290	-15.787	43.500	9.423	QP
6			625.103	30.422	10.160	-15.578	46.000	20.262	QP

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

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

Site: AC1	Time: 2015/02/05 - 10:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

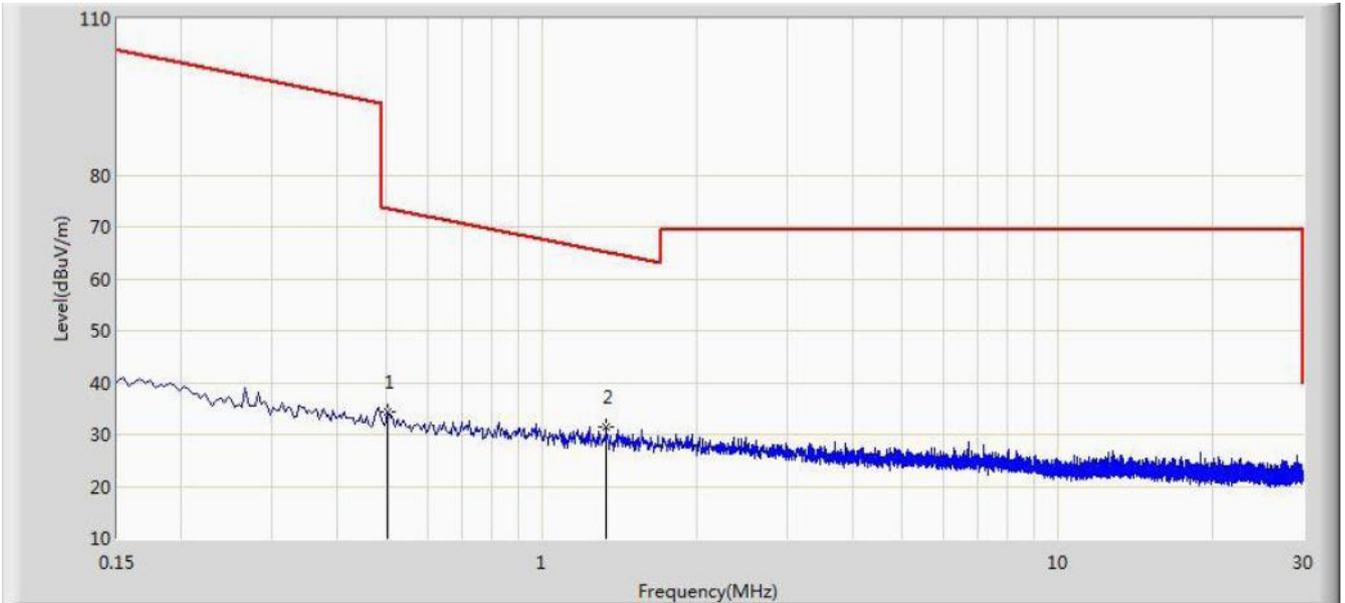


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.893	35.844	-61.463	118.356	21.049	QP
2		*	0.061	52.853	32.542	-59.045	111.898	20.311	QP

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

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

Site: AC1	Time: 2015/02/05 - 10:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

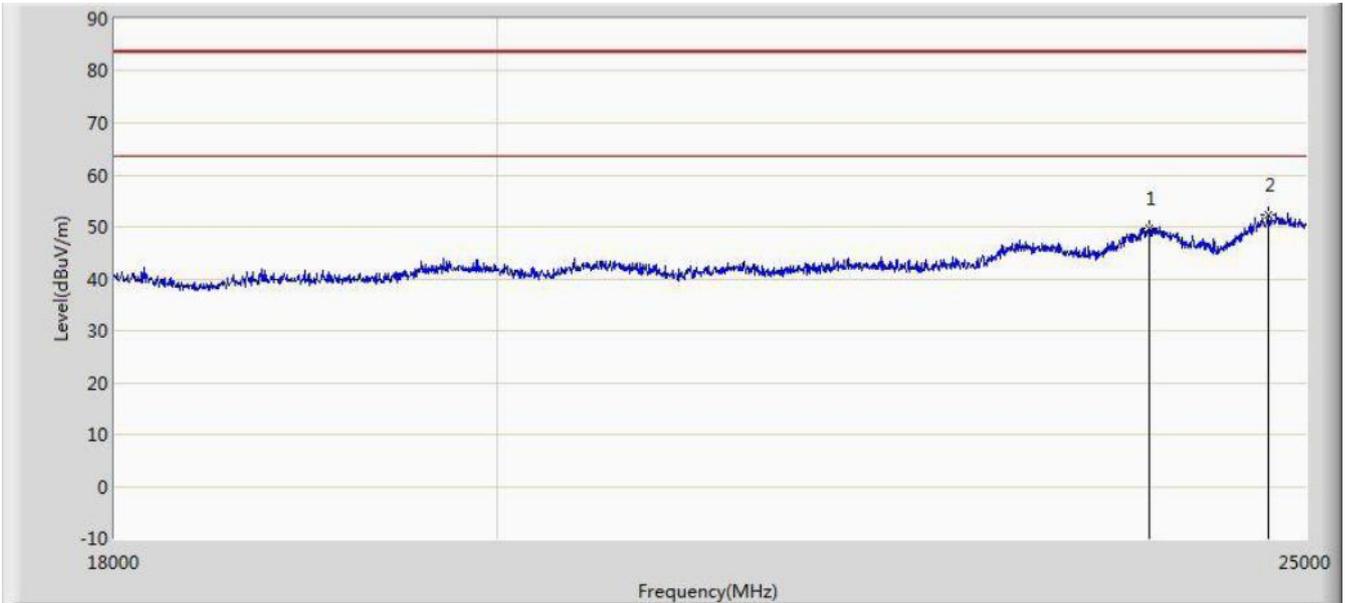


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.502	34.370	13.947	-39.220	73.590	20.423	QP
2		*	1.334	31.595	11.104	-33.530	65.125	20.491	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/02/05 - 13:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18GHz~25GHz.</b>	

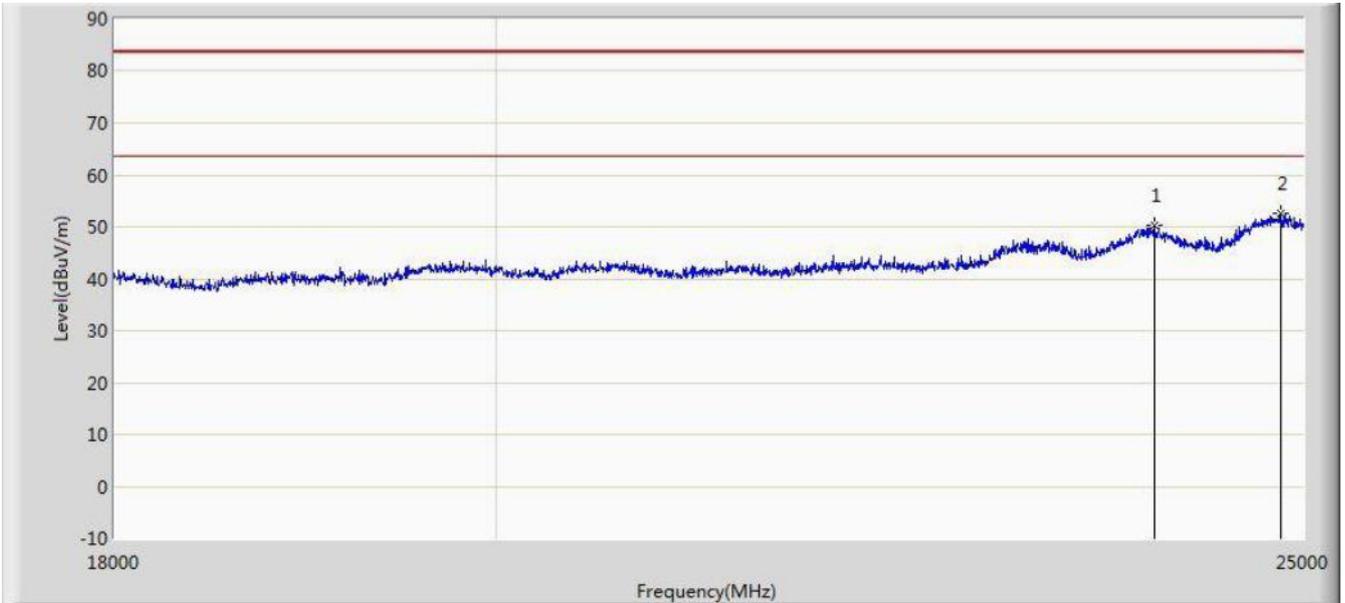


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			23943.000	49.776	35.866	-33.724	83.500	13.910	PK
2		*	24741.000	52.375	37.681	-31.125	83.500	14.694	PK

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

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

Site: AC1	Time: 2015/02/05 - 13:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18GHz~25GHz.</b>	



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

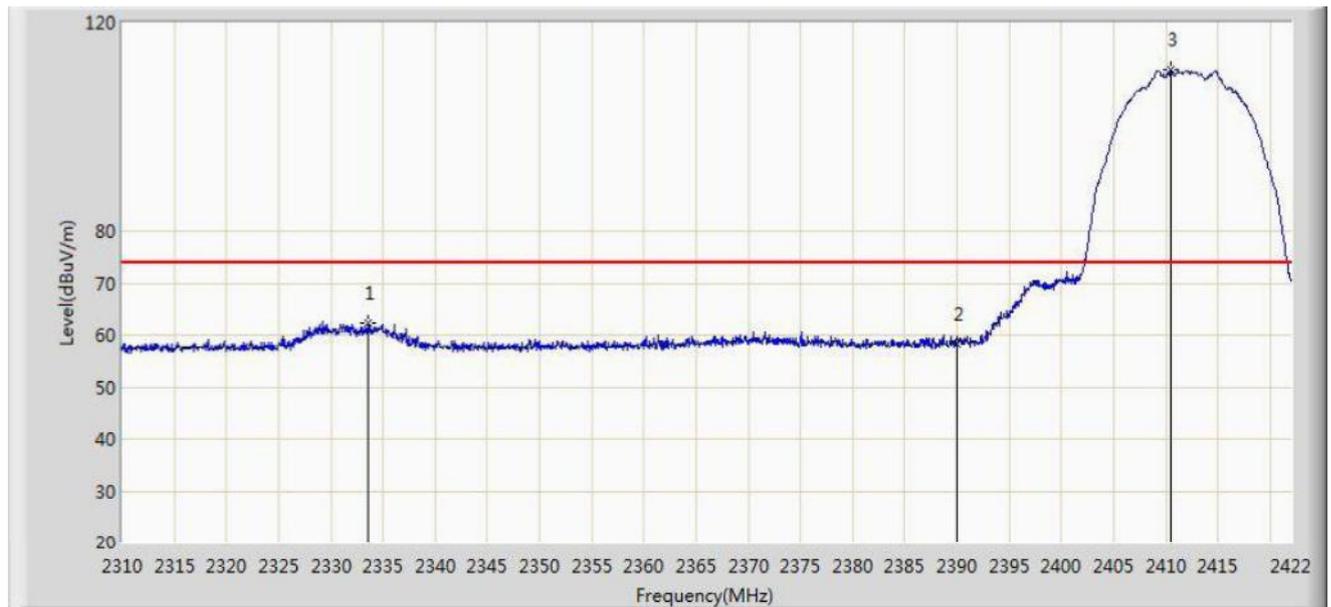
Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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: 2014/12/31 - 19:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11b Ant 1	

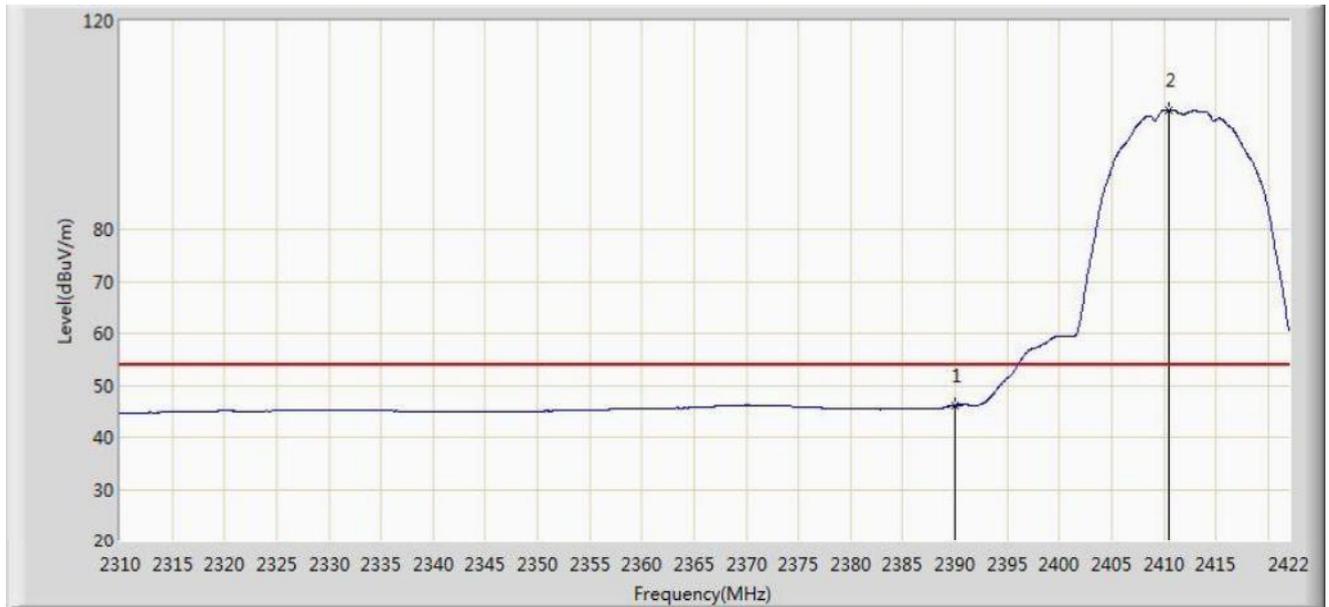


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2333.520	62.246	30.886	-11.754	74.000	31.359	PK
2			2390.000	58.202	26.999	-15.798	74.000	31.203	PK
3		*	2410.464	110.876	79.704	N/A	N/A	31.172	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11b Ant 1	

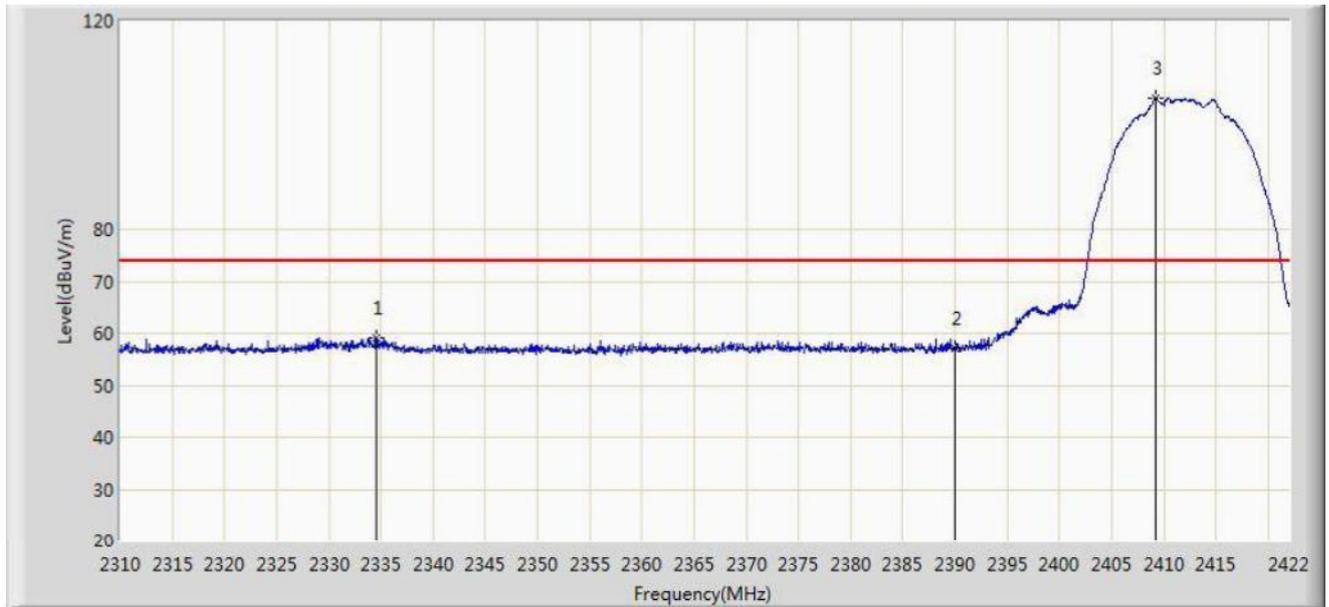


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.146	14.943	-7.854	54.000	31.203	AV
2		*	2410.464	102.870	71.698	N/A	N/A	31.172	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11b Ant 1	

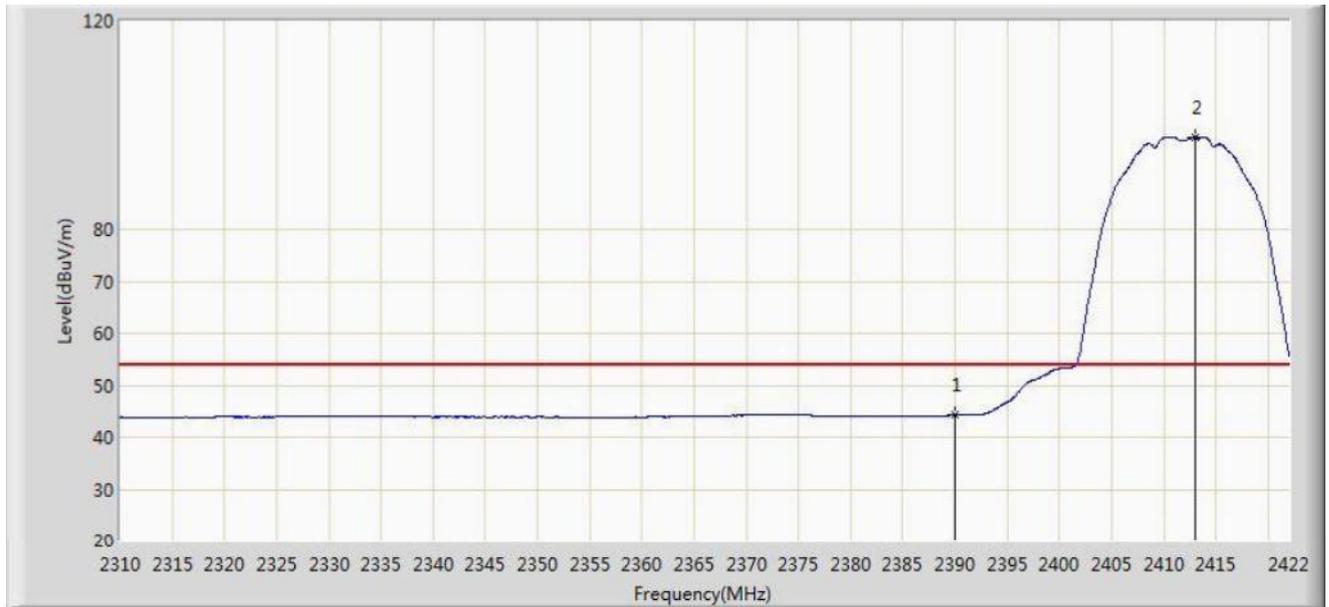


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2334.528	58.996	27.641	-15.004	74.000	31.355	PK
2			2390.000	57.051	25.848	-16.949	74.000	31.203	PK
3		*	2409.232	105.332	74.158	N/A	N/A	31.174	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11b Ant 1	

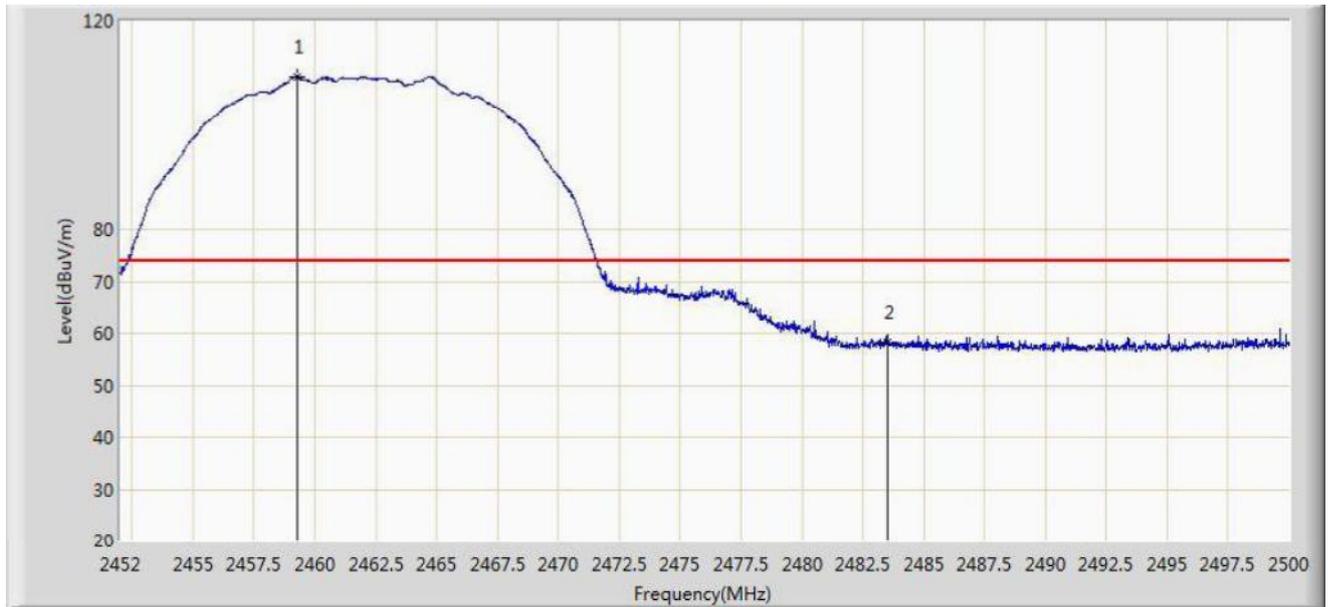


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.282	13.079	-9.718	54.000	31.203	AV
2		*	2413.040	97.809	66.641	N/A	N/A	31.167	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11b Ant 1	

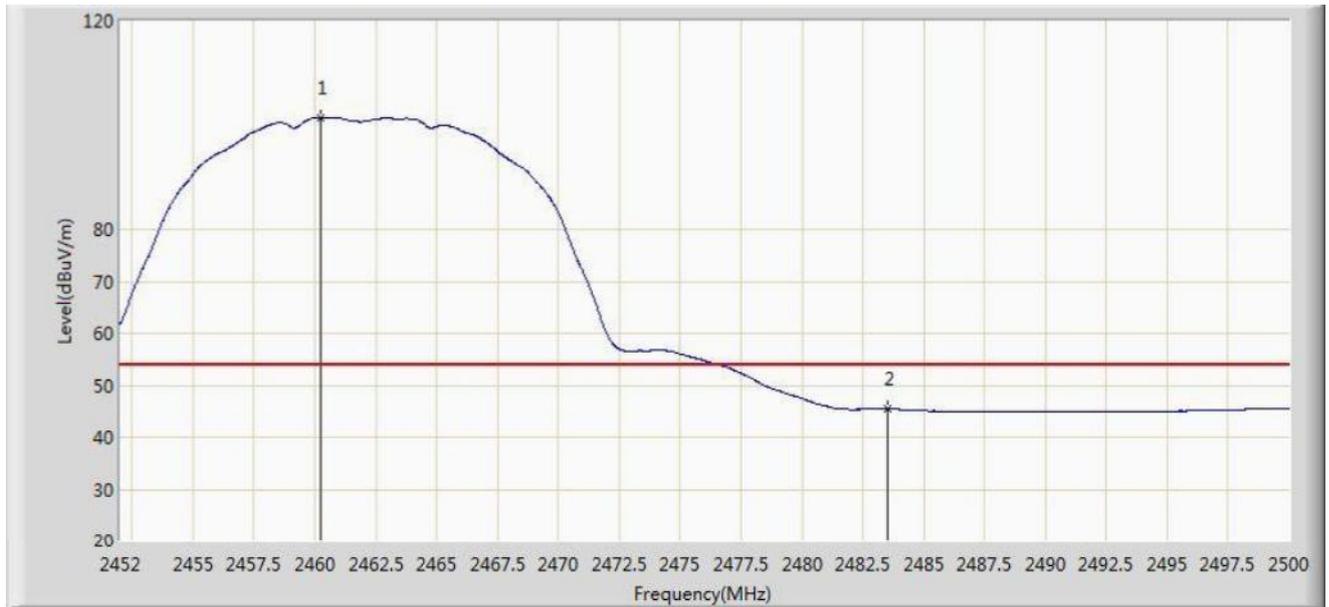


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.296	109.357	78.226	N/A	N/A	31.131	PK
2			2483.500	58.330	27.137	-15.670	74.000	31.194	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11b Ant 1	

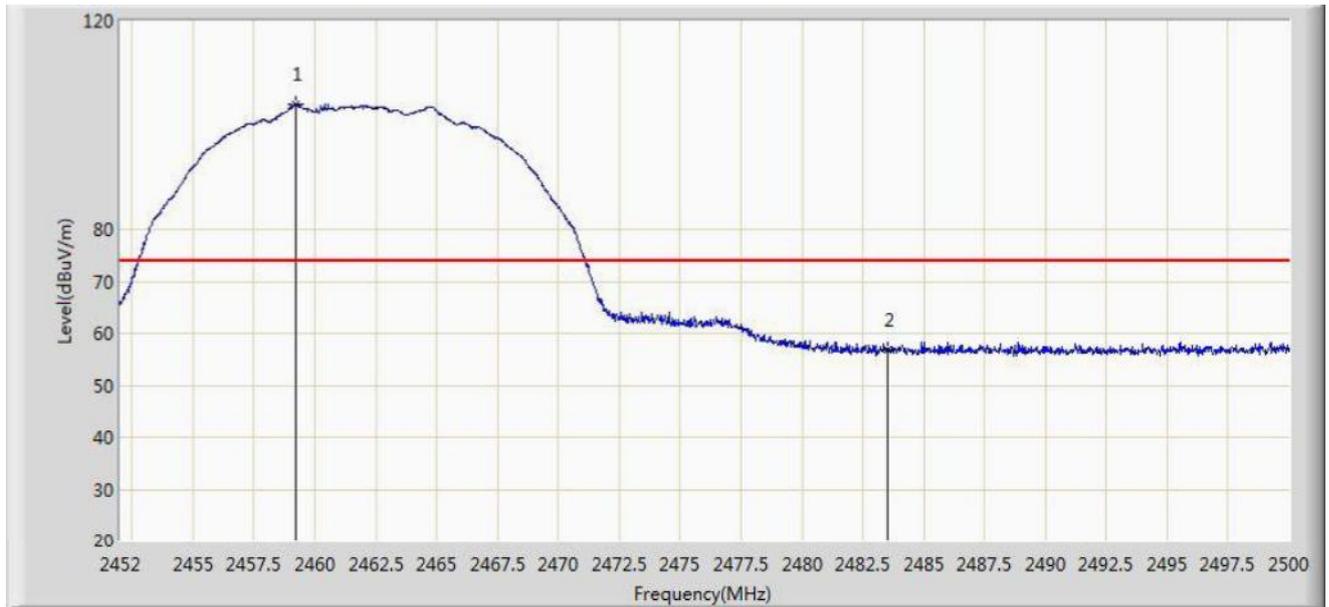


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.256	101.551	70.419	N/A	N/A	31.132	AV
2			2483.500	45.483	14.290	-8.517	54.000	31.194	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11b Ant 1	

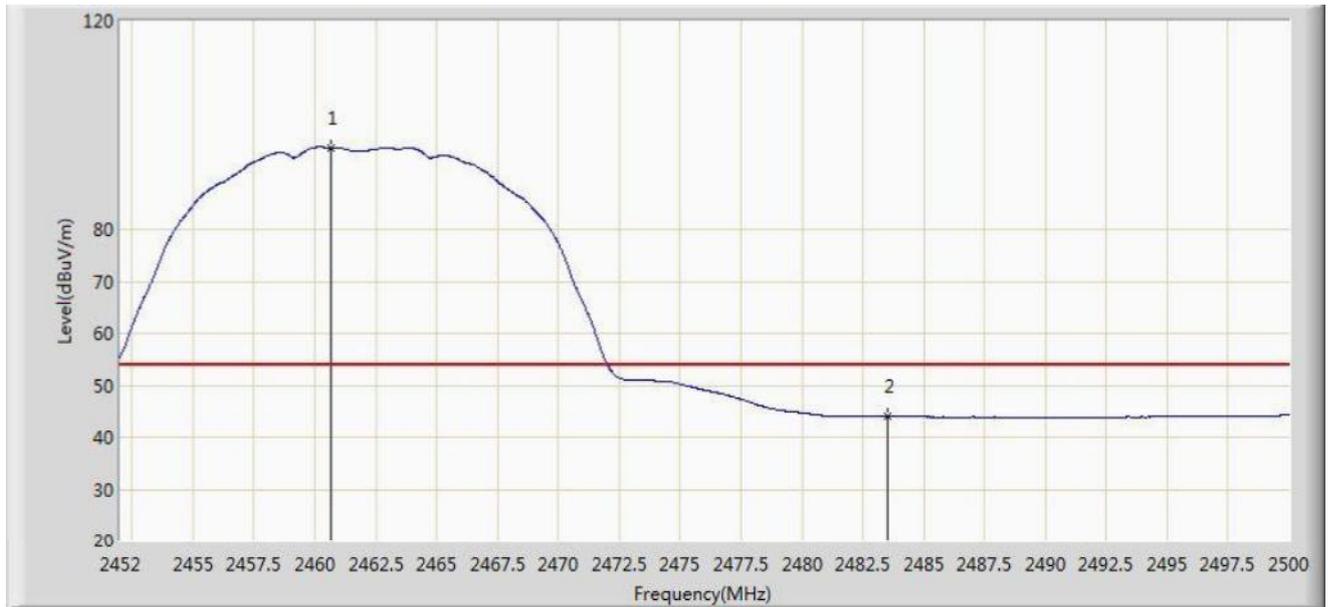


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.224	104.024	72.894	N/A	N/A	31.131	PK
2			2483.500	56.775	25.582	-17.225	74.000	31.194	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/31 - 19:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11b Ant 1	

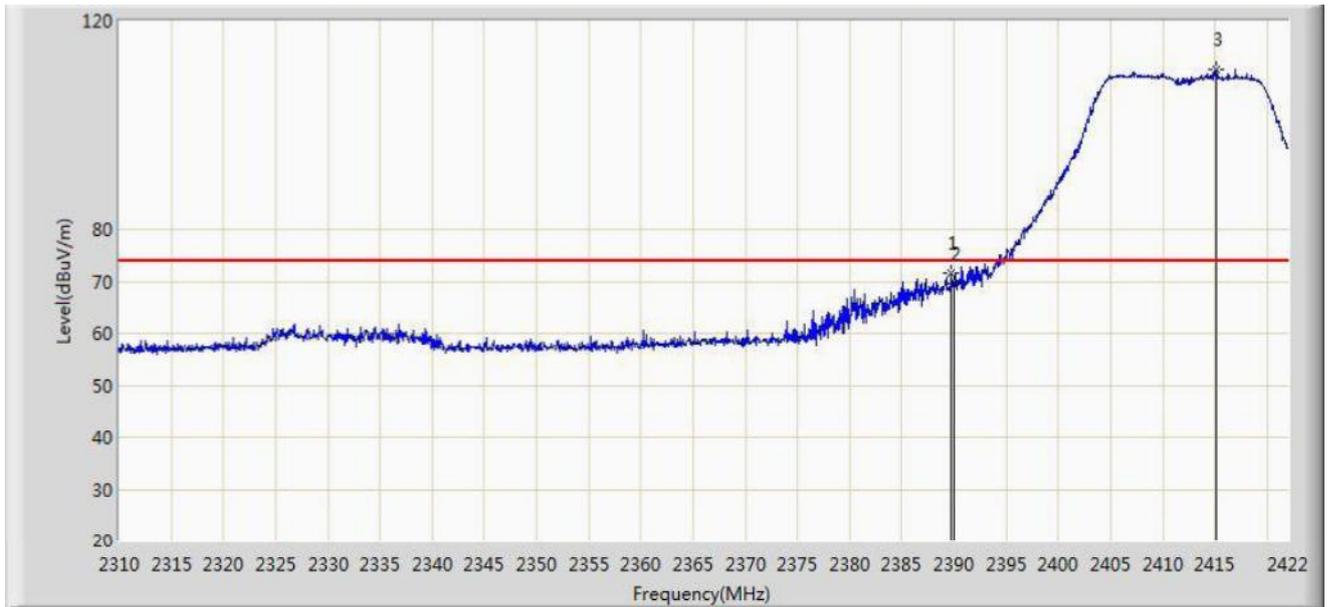


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.640	95.668	64.535	N/A	N/A	31.133	AV
2			2483.500	44.014	12.821	-9.986	54.000	31.194	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11g Ant 1	

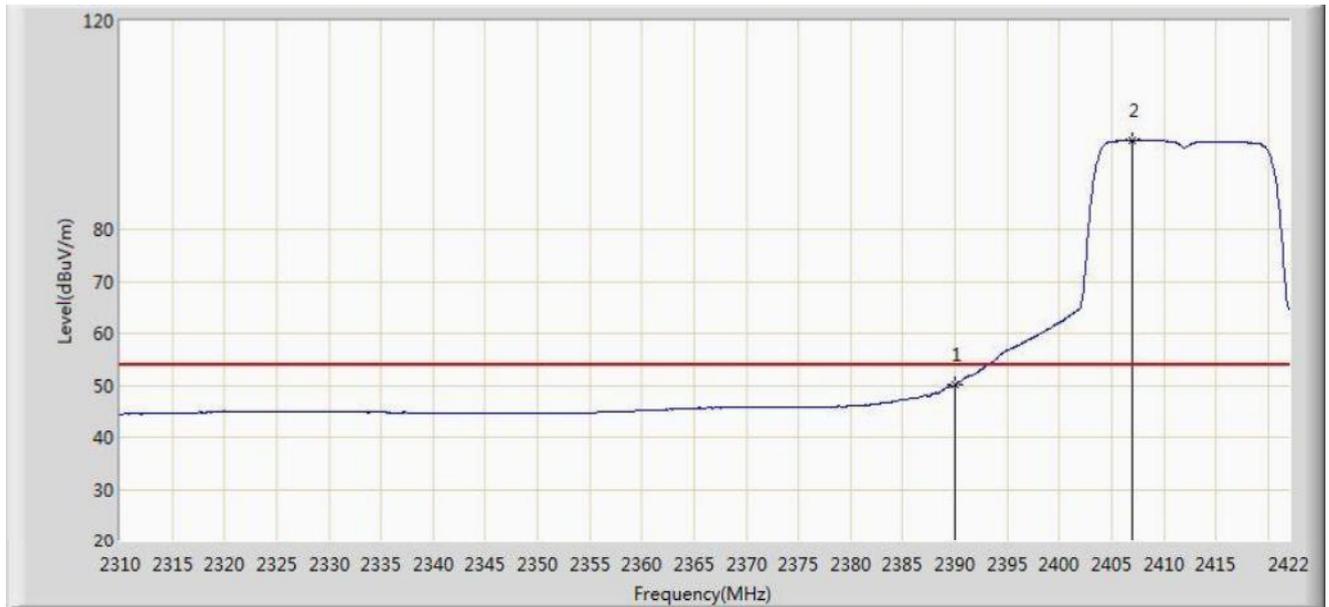


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.744	71.666	40.463	-2.334	74.000	31.203	PK
2			2390.000	69.523	38.320	-4.477	74.000	31.203	PK
3		*	2415.056	110.615	79.451	N/A	N/A	31.165	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11g Ant 1	

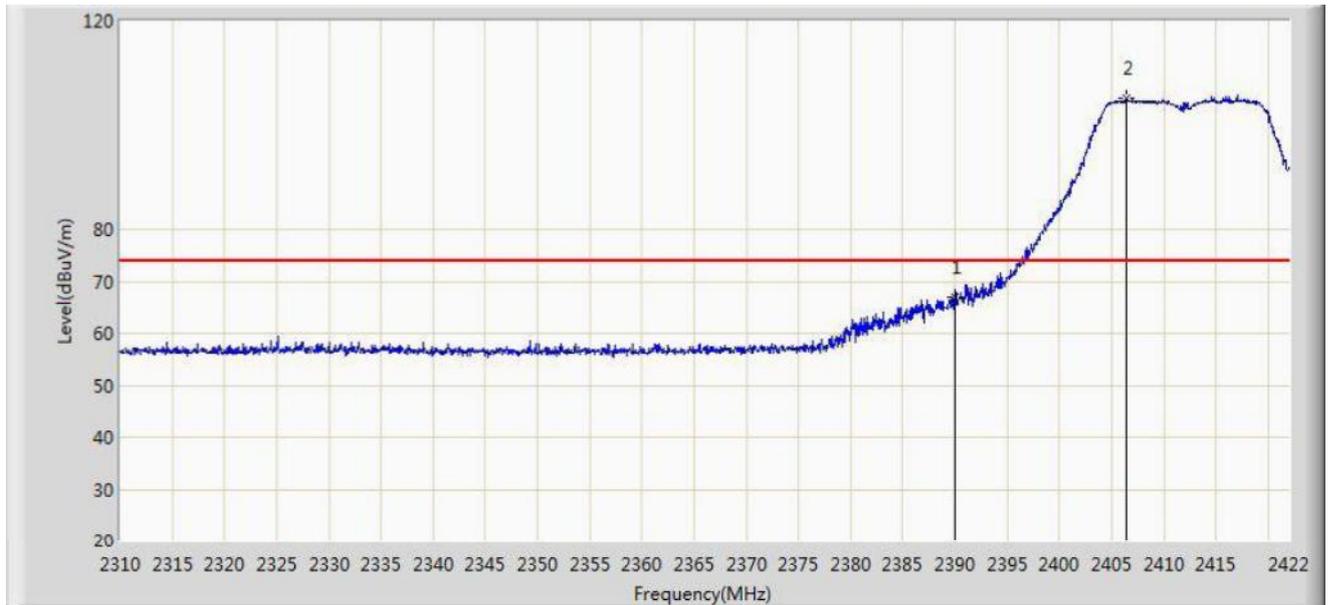


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	50.027	18.824	-3.973	54.000	31.203	AV
2		*	2407.048	97.196	66.019	N/A	N/A	31.177	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11g Ant 1	

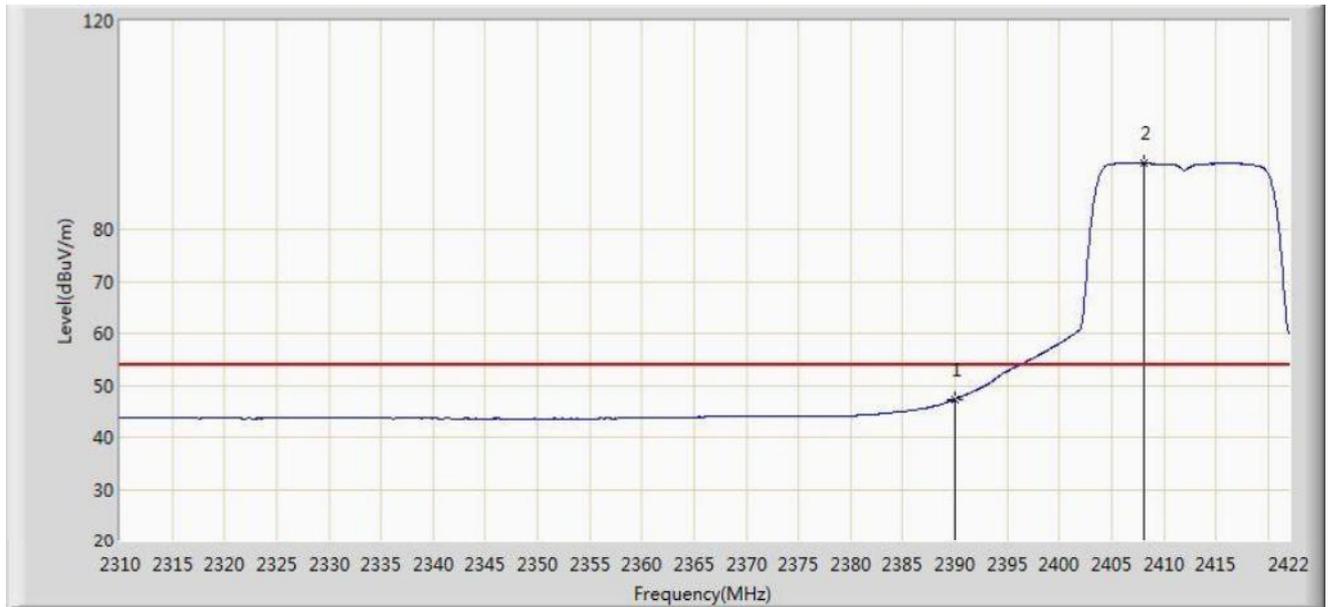


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	67.053	35.850	-6.947	74.000	31.203	PK
2		*	2406.376	105.261	74.083	N/A	N/A	31.178	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2412MHz by 802.11g Ant 1	

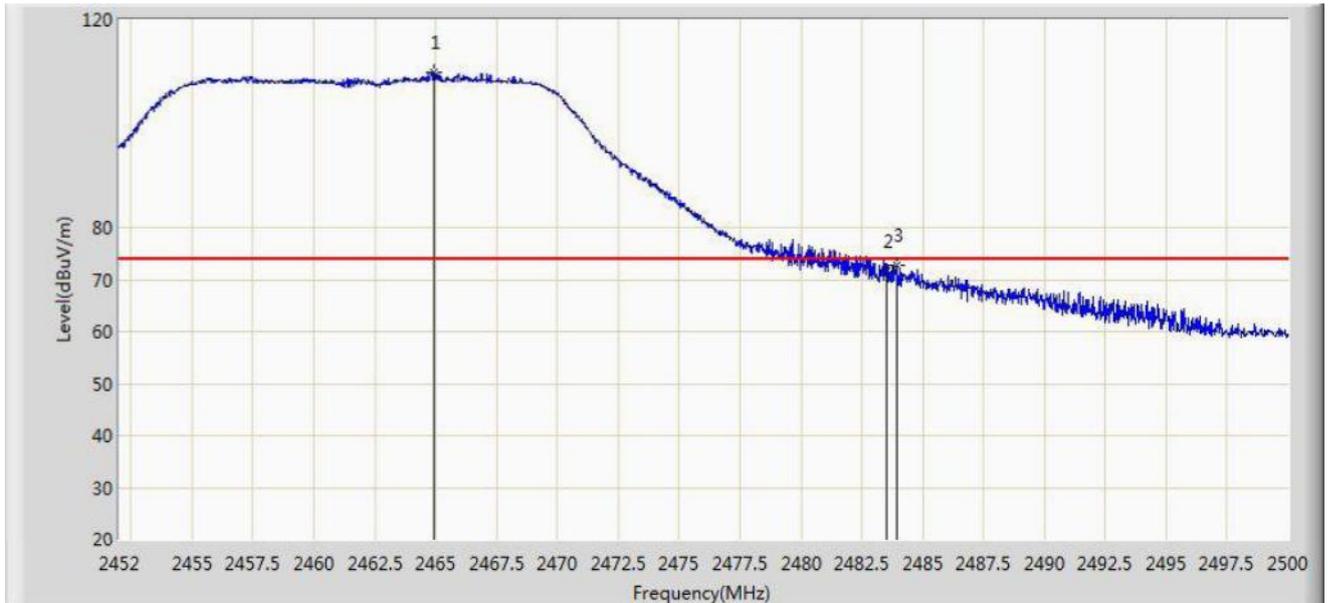


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.298	16.095	-6.702	54.000	31.203	AV
2		*	2408.168	92.686	61.511	N/A	N/A	31.175	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11g Ant 1	

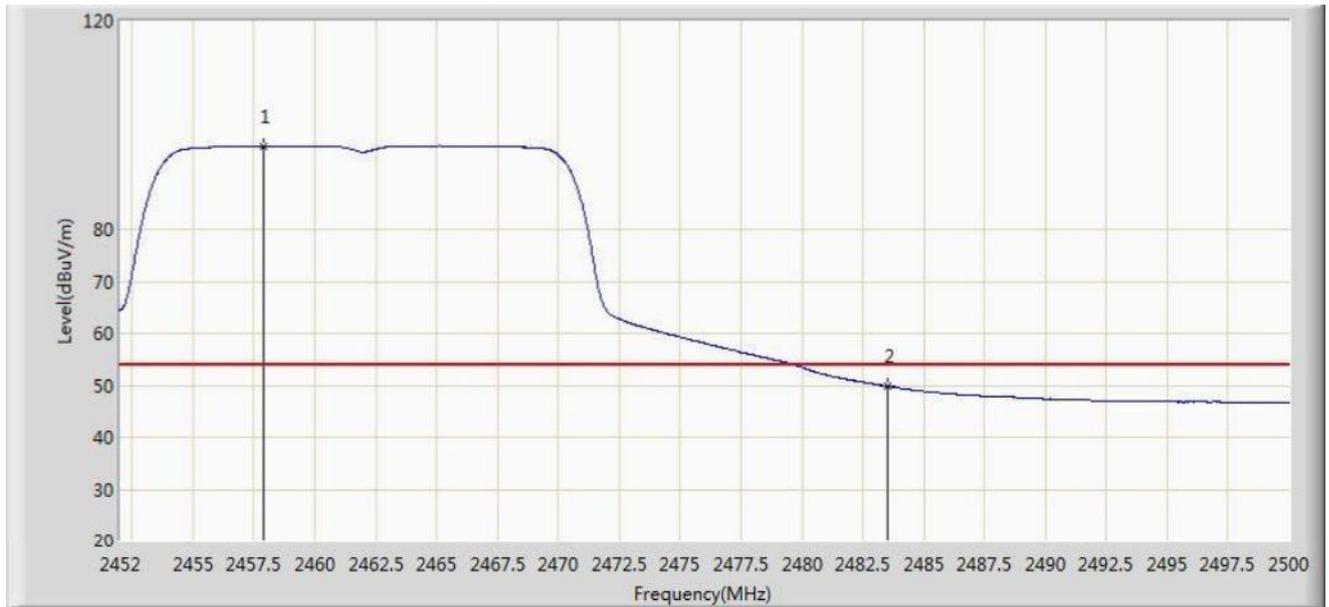


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.912	109.842	78.700	N/A	N/A	31.142	PK
2			2483.500	71.632	40.439	-2.368	74.000	31.194	PK
3			2483.968	72.790	41.595	-1.210	74.000	31.194	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11g Ant 1	

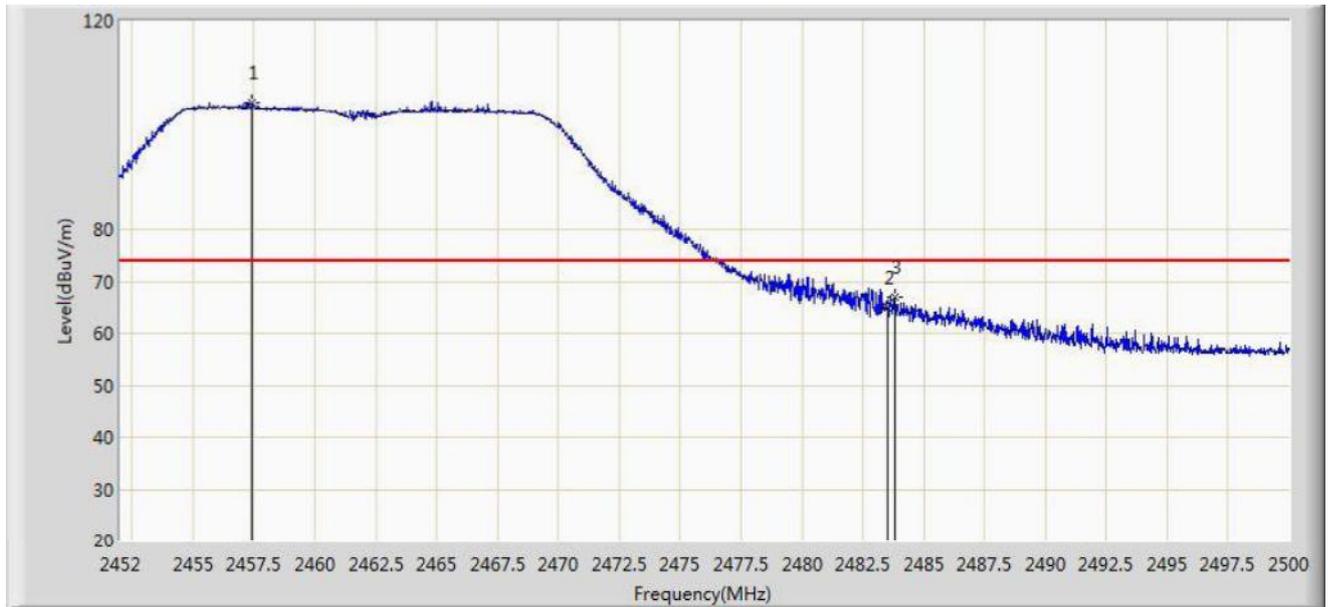


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.880	96.016	64.888	N/A	N/A	31.128	AV
2			2483.500	49.836	18.643	-4.164	54.000	31.194	AV

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

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

Site: AC1	Time: 2015/01/01 - 10:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
Test Mode: Transmit at Channel 2462MHz by 802.11g Ant 1	

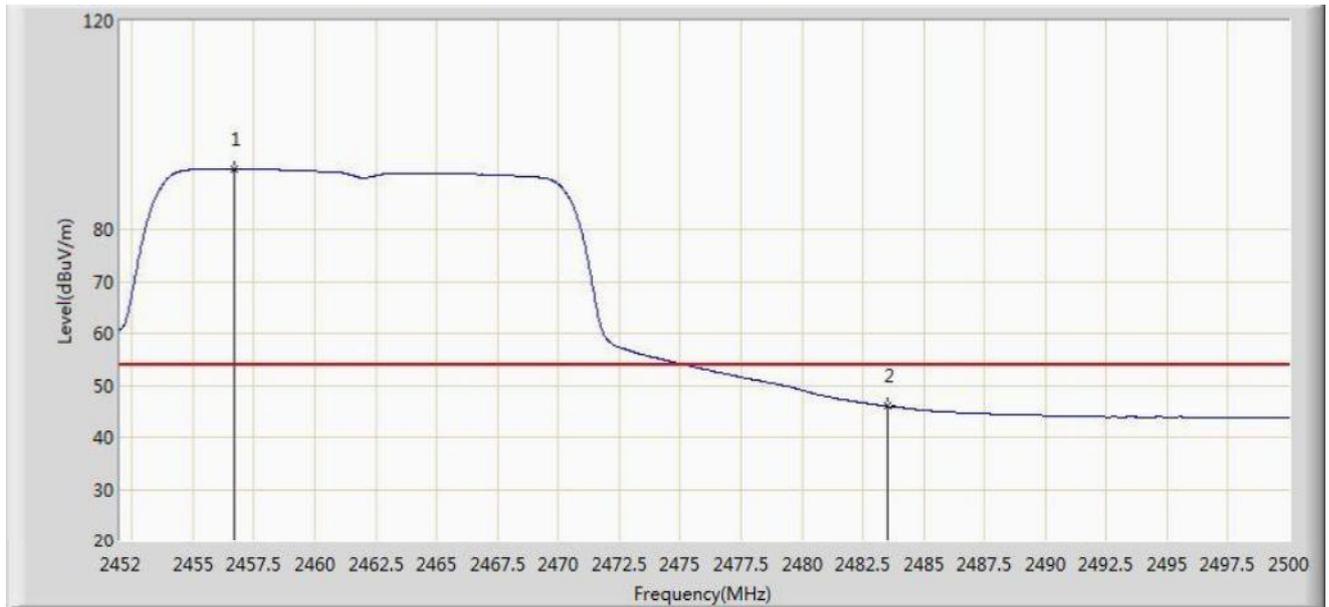


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.424	104.331	73.204	N/A	N/A	31.127	PK
2			2483.500	64.895	33.702	-9.105	74.000	31.194	PK
3			2483.848	66.916	35.722	-7.084	74.000	31.194	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2015/01/01 - 10:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless LAN Access Point	Power: AC 120V/60Hz
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		*	2456.680	91.659	60.533	N/A	N/A	31.126	AV
2			2483.500	45.961	14.768	-8.039	54.000	31.194	AV

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

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