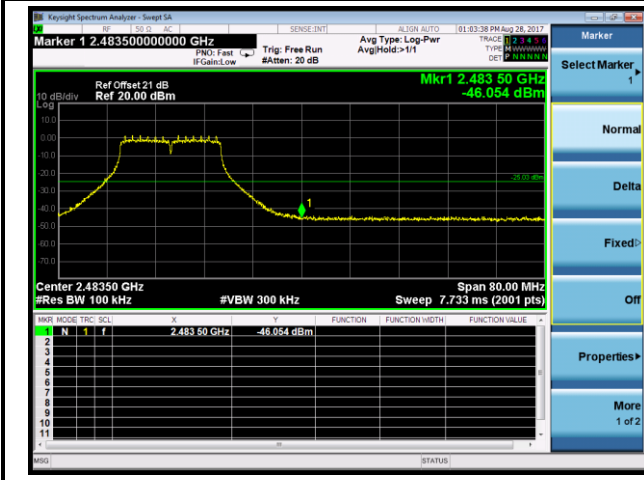


**802.11g Out-of-Band Emissions - Ant 0**  
**Channel 11 (2462MHz)**

**High Band Edge**

**Spurious Emission**



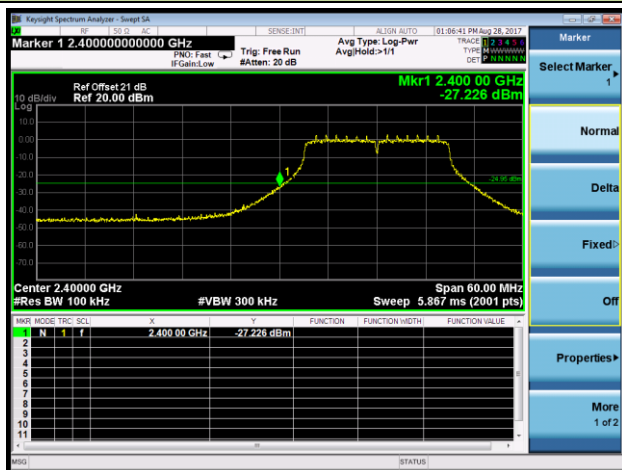
### 802.11n-HT20 Out-of-Band Emissions - Ant 0

#### 100kHz PSD reference Level

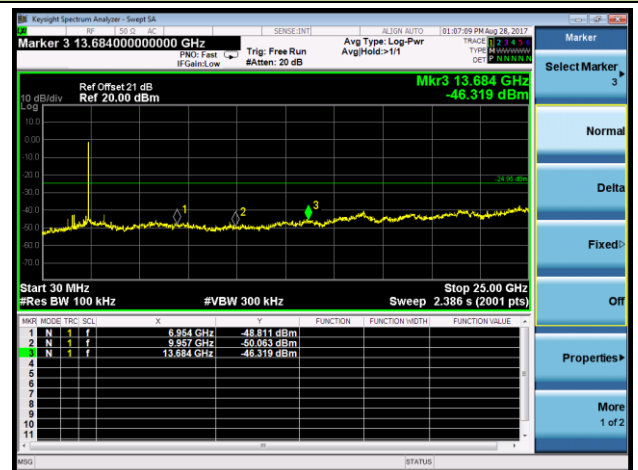


#### Channel 01 (2412MHz)

##### Low Band Edge

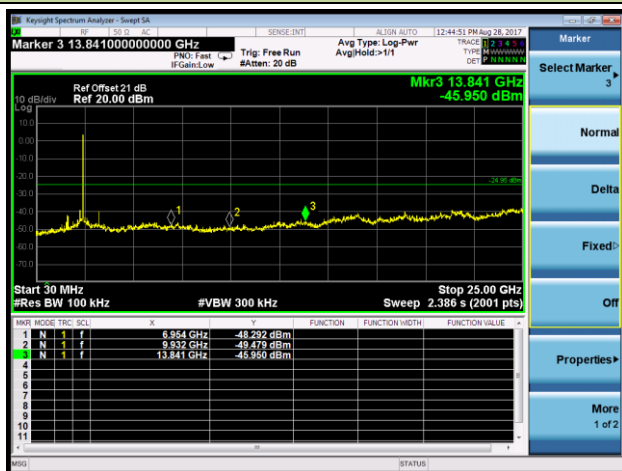


##### Spurious Emission



#### Channel 06 (2437MHz)

##### Spurious Emission

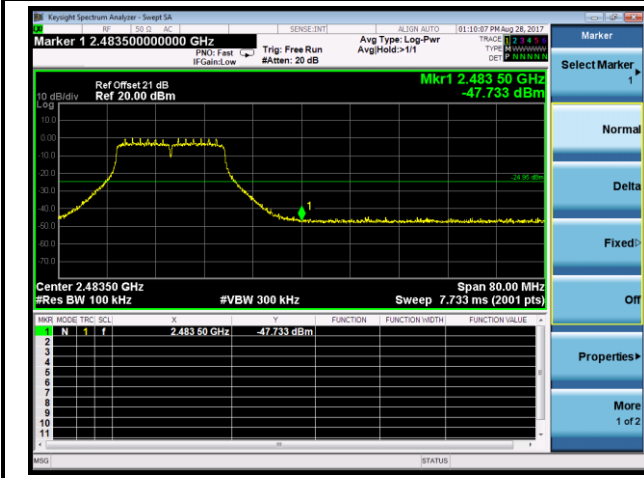


802.11n-HT20 Out-of-Band Emissions - Ant 0

Channel 11 (2462MHz)

High Band Edge

Spurious Emission



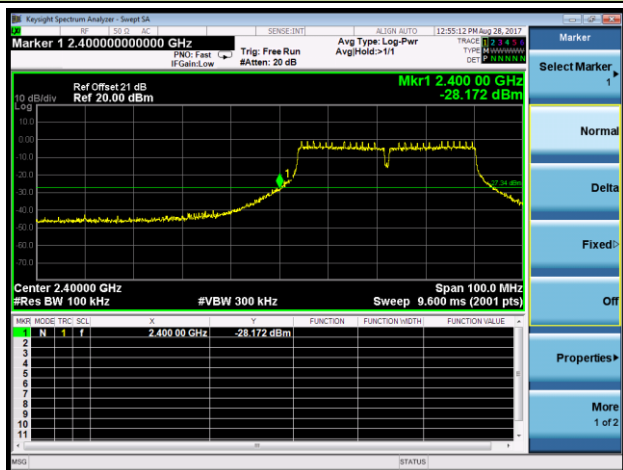
### 802.11n-HT40 Out-of-Band Emissions - Ant 0

#### 100kHz PSD reference Level

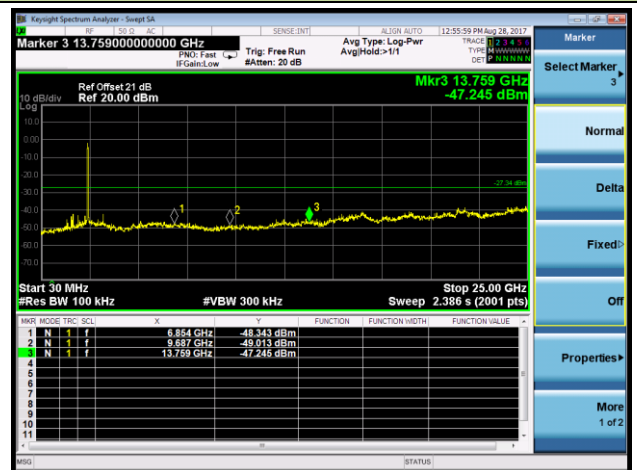


### Channel 03 (2422MHz)

#### Low Band Edge

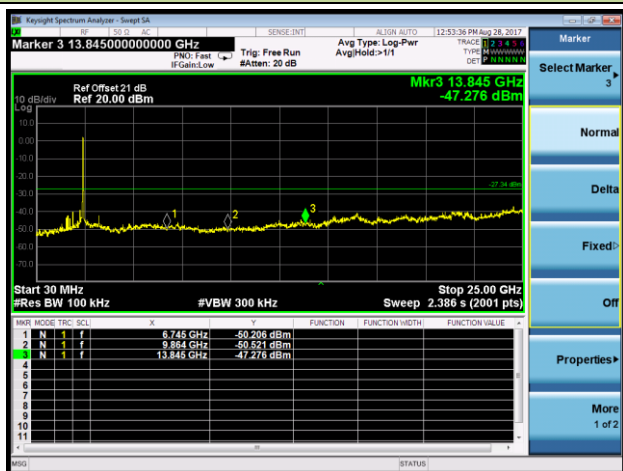


#### Spurious Emission



### Channel 06 (2437MHz)

#### Spurious Emission

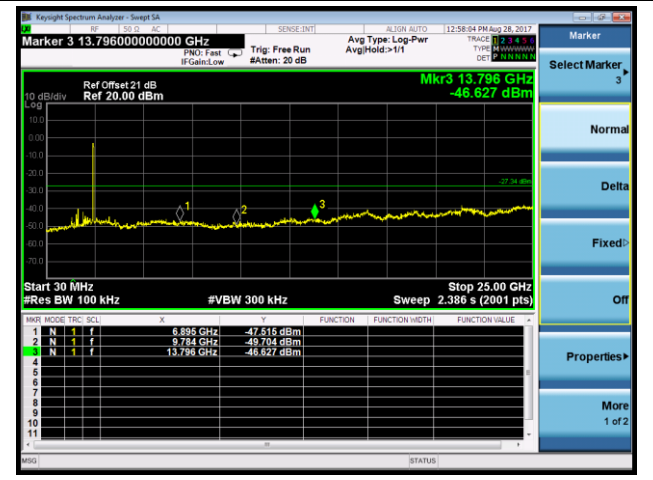
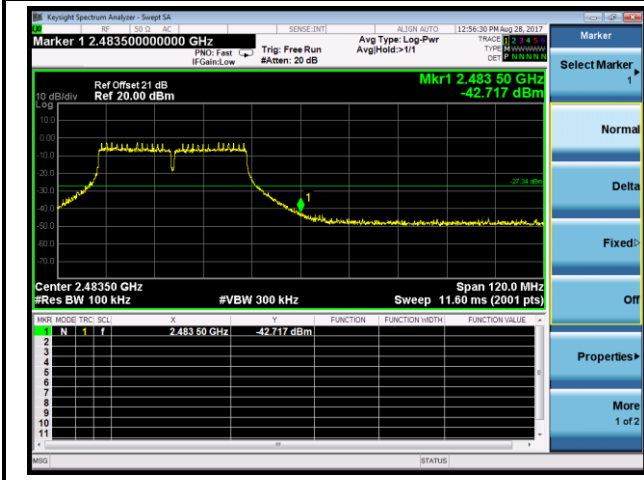


802.11n-HT40 Out-of-Band Emissions - Ant 0

Channel 09 (2452MHz)

High Band Edge

Spurious Emission



## 7.6. Radiated Spurious Emission Measurement

### 7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

### 7.6.2. Test Procedure Used

KDB 558074 D01v04 - Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

KDB 558074 D01v04 - Section 12.2.5 (average power measurements)

### 7.6.3. Test Setting

#### Peak Field Strength Measurements

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

6. Trace mode = max hold

7. Trace was allowed to stabilize

**Table 1 - RBW as a function of frequency**

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

### **Average Field Strength Measurements**

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

2. RBW = 1MHz

3. VBW  $\geq 1/T$

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

5. Detector = Peak

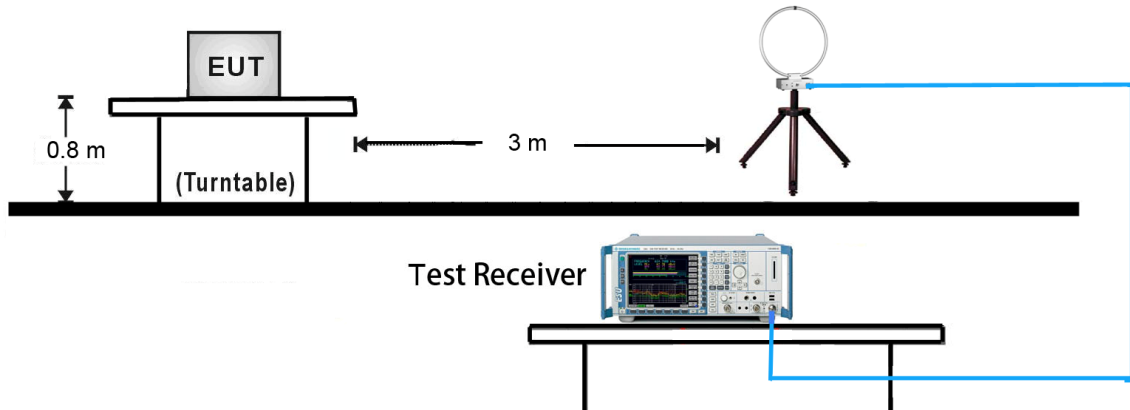
6. Sweep time = auto

7. Trace mode = max hold

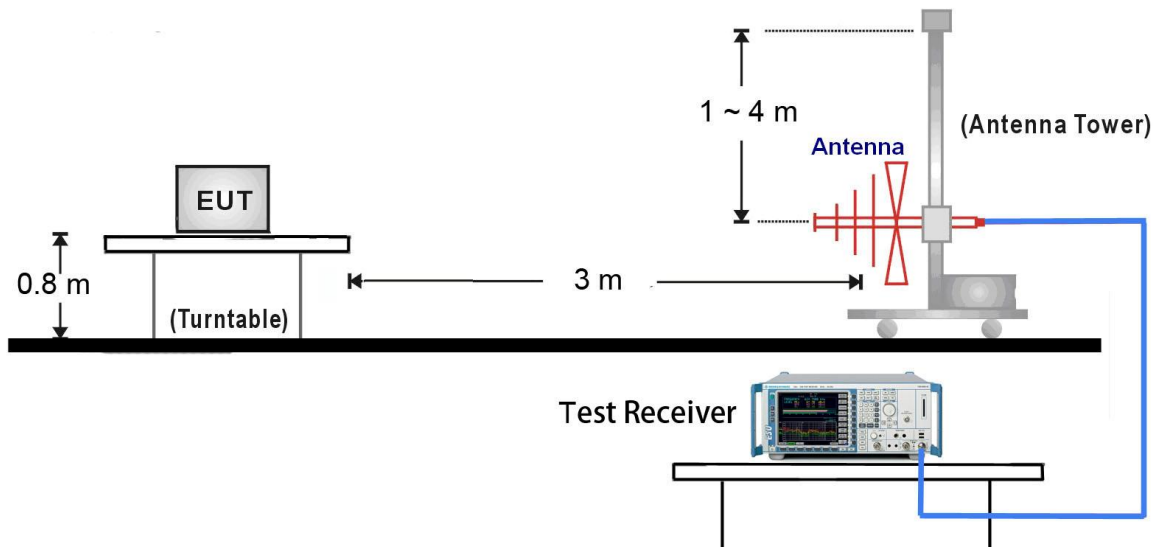
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

### 7.6.4. Test Setup

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

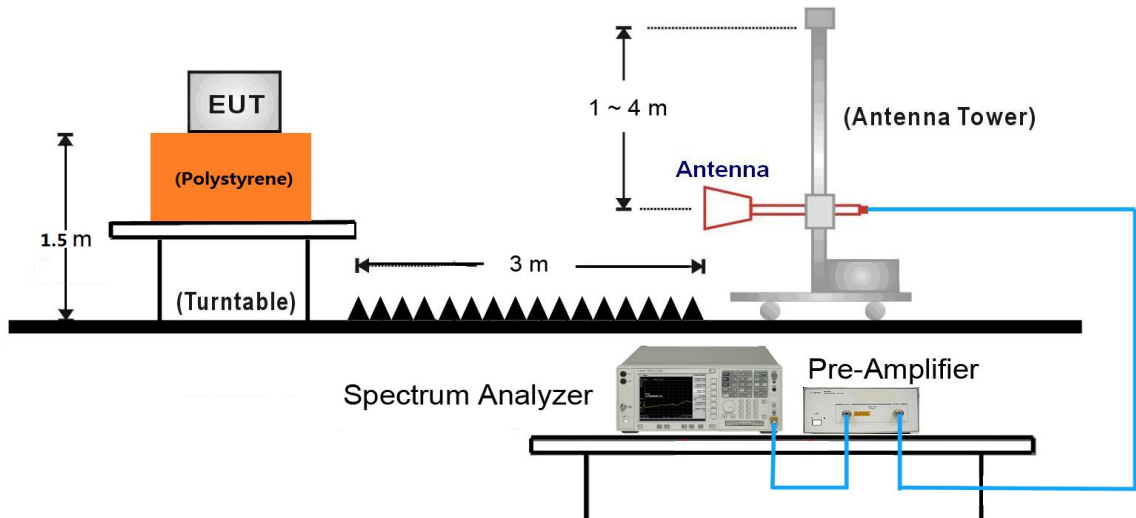


#### 30MHz ~ 1GHz Test Setup:

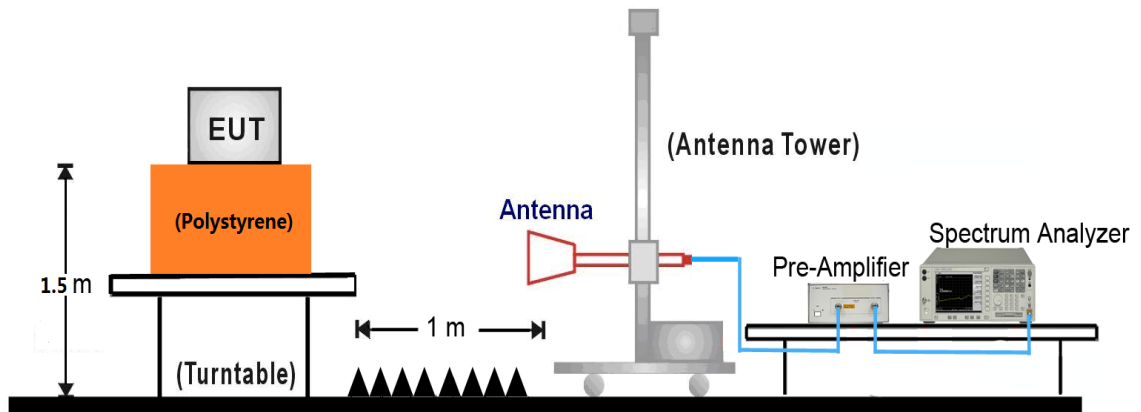




1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



### 7.6.5. Test Result

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11b - Ant 0	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
	4825.0	41.4	2.7	44.1	74.0	-29.9	Peak	Horizontal
	5445.5	34.7	3.4	38.1	74.0	-35.9	Peak	Horizontal
*	7239.0	42.3	7.8	50.1	79.4	-29.3	Peak	Horizontal
*	14319.5	47.5	15.6	63.1	79.4	-16.3	Peak	Horizontal
	3839.0	34.6	0.0	34.6	74.0	-39.4	Peak	Vertical
	4825.0	46.6	2.7	49.3	74.0	-24.7	Peak	Vertical
*	7239.0	51.1	7.8	58.9	79.4	-20.5	Peak	Vertical
*	14328.0	52.6	15.6	68.2	79.4	-11.2	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.4dB $\mu$ 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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11b - Ant 0	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	41.2	2.7	43.9	74.0	-30.1	Peak	Horizontal
	7315.5	41.4	8.0	49.4	74.0	-24.6	Peak	Horizontal
*	10350.0	34.4	12.2	46.6	80.5	-33.9	Peak	Horizontal
*	14328.0	39.8	15.6	55.4	80.5	-25.1	Peak	Horizontal
	4876.0	47.8	2.7	50.5	74.0	-23.5	Peak	Vertical
	7307.0	48.9	8.0	56.9	74.0	-17.1	Peak	Vertical
	7310.2	45.6	8.0	53.6	54.0	-0.4	Average	Vertical
*	9763.5	35.0	11.4	46.4	80.5	-34.1	Peak	Vertical
*	14328.0	53.0	15.6	68.6	80.5	-11.9	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.5dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11b - Ant 0	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	40.8	2.8	43.6	74.0	-30.4	Peak	Horizontal
	7383.5	41.0	7.9	48.9	74.0	-25.1	Peak	Horizontal
*	10290.5	34.4	12.0	46.4	78.1	-31.7	Peak	Horizontal
*	14336.5	45.0	15.5	60.5	78.1	-17.6	Peak	Horizontal
	4927.0	47.3	2.8	50.1	74.0	-23.9	Peak	Vertical
	7383.5	47.1	7.9	55.0	74.0	-19.0	Peak	Vertical
	7385.2	44.5	7.9	52.4	54.0	-1.6	Average	Vertical
*	10426.5	35.6	12.1	47.7	78.1	-30.4	Peak	Vertical
*	14336.5	49.2	15.5	64.7	78.1	-13.4	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (108.1dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11g - Ant 0	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4230.0	35.0	0.9	35.9	74.0	-38.1	Peak	Horizontal
	4816.5	43.5	2.7	46.2	74.0	-27.8	Peak	Horizontal
*	7247.5	43.5	7.9	51.4	75.4	-24.0	Peak	Horizontal
*	14336.5	45.8	15.5	61.3	75.4	-14.1	Peak	Horizontal
	4315.0	34.0	1.2	35.2	74.0	-38.8	Peak	Vertical
	4816.5	49.9	2.7	52.6	74.0	-21.4	Peak	Vertical
*	7230.5	56.3	7.8	64.1	75.4	-11.3	Peak	Vertical
*	14336.5	52.0	15.5	67.5	75.4	-7.9	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.4dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11g - Ant 0	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	46.5	2.7	49.2	74.0	-24.8	Peak	Horizontal
	7298.5	44.6	8.0	52.6	74.0	-21.4	Peak	Horizontal
*	9763.5	36.6	11.4	48.0	76.9	-28.9	Peak	Horizontal
*	14336.5	44.0	15.5	59.5	76.9	-17.4	Peak	Horizontal
	4874.0	38.2	2.7	40.9	54.0	-13.1	Average	Horizontal
	4876.0	52.5	2.7	55.2	74.0	-18.8	Peak	Vertical
	7307.0	54.0	8.0	62.0	74.0	-12.0	Peak	Vertical
	7311.0	39.9	8.0	47.9	54.0	-6.1	Average	Vertical
*	9755.0	37.6	11.4	49.0	76.9	-27.9	Peak	Vertical
*	14336.5	51.7	15.5	67.2	76.9	-9.7	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.9dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11g - Ant 0	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	45.5	2.8	48.3	74.0	-25.7	Peak	Horizontal
	7383.5	44.1	7.9	52.0	74.0	-22.0	Peak	Horizontal
*	10545.5	35.8	12.5	48.3	74.0	-25.7	Peak	Horizontal
*	14345.0	51.5	15.5	67.0	74.0	-7.0	Peak	Horizontal
	4918.5	52.2	2.8	55.0	74.0	-19.0	Peak	Vertical
	4924.6	39.0	2.8	41.8	54.0	-12.2	Average	Vertical
	7375.0	52.8	7.9	60.7	74.0	-13.3	Peak	Vertical
	7383.6	39.7	7.9	47.6	54.0	-6.4	Average	Vertical
*	9857.0	38.2	11.6	49.8	74.0	-24.2	Peak	Vertical
*	14336.5	53.0	15.5	68.5	74.0	-5.5	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (103.8dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4315.0	34.5	1.2	35.7	74.0	-38.3	Peak	Horizontal
	4825.0	45.9	2.7	48.6	74.0	-25.4	Peak	Horizontal
*	7239.0	43.1	7.8	50.9	75.2	-24.3	Peak	Horizontal
*	14345.0	45.5	15.5	61.0	75.2	-14.2	Peak	Horizontal
	4238.5	34.8	0.9	35.7	74.0	-38.3	Peak	Vertical
	4823.3	36.1	2.7	38.8	54.0	-15.2	Average	Vertical
	4825.0	50.6	2.7	53.3	74.0	-20.7	Peak	Vertical
*	7230.5	55.0	7.8	62.8	75.2	-12.4	Peak	Vertical
*	14336.5	53.8	15.5	69.3	75.2	-5.9	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.2dBμV/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)



Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.5	45.8	2.7	48.5	74.0	-25.5	Peak	Horizontal
	7315.5	42.7	8.0	50.7	74.0	-23.3	Peak	Horizontal
*	9738.0	36.3	11.2	47.5	77.3	-29.8	Peak	Horizontal
*	14345.0	53.1	15.5	68.6	77.3	-8.7	Peak	Horizontal
	4873.3	37.0	2.7	39.7	54.0	-14.3	Average	Horizontal
	4876.0	52.4	2.7	55.1	74.0	-18.9	Peak	Vertical
	7307.0	52.5	8.0	60.5	74.0	-13.5	Peak	Vertical
	7308.0	39.4	8.0	47.4	54.0	-6.6	Average	Vertical
*	9729.5	37.4	11.1	48.5	77.3	-28.8	Peak	Vertical
*	14345.0	53.7	15.5	69.2	77.3	-8.1	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (107.3dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	44.3	2.8	47.1	74.0	-26.9	Peak	Horizontal
	7383.5	44.7	7.9	52.6	74.0	-21.4	Peak	Horizontal
*	9721.0	33.9	11.1	45.0	74.0	-29.0	Peak	Horizontal
*	14353.5	47.0	15.6	62.6	74.0	-11.4	Peak	Horizontal
	4918.5	53.5	2.8	56.3	74.0	-17.7	Peak	Vertical
	4923.2	38.4	2.8	41.2	54.0	-12.8	Average	Vertical
	7383.5	52.6	7.9	60.5	74.0	-13.5	Peak	Vertical
	7388.5	39.7	7.9	47.6	54.0	-6.4	Average	Vertical
*	9848.5	37.9	11.6	49.5	74.0	-24.5	Peak	Vertical
*	14345.0	54.1	15.5	69.6	74.0	-4.4	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (102.0dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4842.0	41.5	2.7	44.2	74.0	-29.8	Peak	Horizontal
	7281.5	39.9	8.0	47.9	74.0	-26.1	Peak	Horizontal
*	10103.5	34.5	11.6	46.1	74.0	-27.9	Peak	Horizontal
*	14353.5	48.9	15.6	64.5	74.0	-9.5	Peak	Horizontal
	3813.5	35.2	-0.2	35.0	74.0	-39.0	Peak	Vertical
	4850.5	47.5	2.7	50.2	74.0	-23.8	Peak	Vertical
*	7247.5	50.0	7.9	57.9	74.0	-16.1	Peak	Vertical
*	14345.0	54.0	15.5	69.5	74.0	-4.5	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (102.2dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	41.7	2.7	44.4	74.0	-29.6	Peak	Horizontal
	7298.5	40.4	8.0	48.4	74.0	-25.6	Peak	Horizontal
*	10409.5	34.2	12.3	46.5	74.7	-28.2	Peak	Horizontal
*	14345.0	47.5	15.5	63.0	74.7	-11.7	Peak	Horizontal
	4876.0	48.5	2.7	51.2	74.0	-22.8	Peak	Vertical
	7290.0	49.6	8.0	57.6	74.0	-16.4	Peak	Vertical
	7313.5	35.9	8.0	43.9	54.0	-10.1	Average	Vertical
*	9738.0	35.2	11.2	46.4	74.7	-28.3	Peak	Vertical
*	14345.0	52.8	15.5	68.3	74.7	-6.4	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (104.7dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.5	43.2	2.8	46.0	74.0	-28.0	Peak	Horizontal
	7375.0	40.8	7.9	48.7	74.0	-25.3	Peak	Horizontal
*	10528.5	34.8	12.5	47.3	74.0	-26.7	Peak	Horizontal
*	14345.0	46.7	15.5	62.2	74.0	-11.8	Peak	Horizontal
	4901.5	49.3	2.7	52.0	74.0	-22.0	Peak	Vertical
	7341.0	49.2	8.0	57.2	74.0	-16.8	Peak	Vertical
	7357.1	36.5	8.0	44.5	54.0	-9.5	Average	Vertical
*	9814.5	35.9	11.6	47.5	74.0	-26.5	Peak	Vertical
*	14345.0	53.2	15.5	68.7	74.0	-5.3	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (99.6dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Channel:	01
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	46.0	2.7	48.7	74.0	-25.3	Peak	Horizontal
	7579.0	35.3	8.2	43.5	74.0	-30.5	Peak	Horizontal
*	14107.0	46.0	15.2	61.2	75.1	-13.9	Peak	Horizontal
*	14328.0	45.1	15.6	60.7	75.1	-14.4	Peak	Horizontal
	4340.5	34.8	1.3	36.1	74.0	-37.9	Peak	Vertical
	4825.0	50.3	2.7	53.0	74.0	-21.0	Peak	Vertical
	4825.0	35.9	2.7	38.6	54.0	-15.4	Average	Vertical
*	14107.0	53.1	15.2	68.3	75.1	-6.8	Peak	Vertical
*	14319.5	49.9	15.6	65.5	75.1	-9.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.1dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4884.5	46.0	2.7	48.7	74.0	-25.3	Peak	Horizontal
	7315.3	39.4	8.0	47.4	54.0	-6.6	Average	Horizontal
	7315.5	47.8	8.0	55.8	74.0	-18.2	Peak	Horizontal
*	14107.0	47.2	15.2	62.4	76.7	-14.3	Peak	Horizontal
*	14328.0	45.3	15.6	60.9	76.7	-15.8	Peak	Horizontal
	4876.0	50.8	2.7	53.5	74.0	-20.5	Peak	Vertical
	7304.7	43.7	8.0	51.7	54.0	-2.3	Average	Vertical
	7307.0	58.6	8.0	66.6	74.0	-7.4	Peak	Vertical
*	14107.0	53.9	15.2	69.1	76.7	-7.6	Peak	Vertical
*	14319.5	50.5	15.6	66.1	76.7	-10.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (106.7dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT20 - Ant 0 + 1	Test Channel:	11
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.5	46.3	2.8	49.1	74.0	-24.9	Peak	Horizontal
	7383.5	48.3	7.9	56.2	74.0	-17.8	Peak	Horizontal
	7385.0	38.4	7.9	46.3	54.0	-7.7	Average	Horizontal
*	9848.5	41.9	11.6	53.5	74.2	-20.7	Peak	Horizontal
*	14115.5	51.2	15.2	66.4	74.2	-7.8	Peak	Horizontal
	4918.5	51.7	2.8	54.5	74.0	-19.5	Peak	Vertical
	4918.5	39.6	2.8	42.4	54.0	-11.6	Average	Vertical
	7388.1	45.0	7.9	52.9	54.0	-1.1	Average	Vertical
	7392.0	58.1	7.9	66.0	74.0	-8.0	Peak	Vertical
*	9865.5	44.7	11.6	56.3	74.2	-17.9	Peak	Vertical
*	14107.0	55.2	15.2	70.4	74.2	-3.8	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (104.2dBμV/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)



Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Channel:	03
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4842.0	42.8	2.7	45.5	74.0	-28.5	Peak	Horizontal
	7281.5	42.8	8.0	50.8	74.0	-23.2	Peak	Horizontal
*	9687.0	36.5	10.9	47.4	74.0	-26.6	Peak	Horizontal
*	14336.5	50.5	15.5	66.0	74.0	-8.0	Peak	Horizontal
	4842.0	46.9	2.7	49.6	74.0	-24.4	Peak	Vertical
	7281.5	52.2	8.0	60.2	74.0	-13.8	Peak	Vertical
*	14115.5	53.8	15.2	69.0	74.0	-5.0	Peak	Vertical
*	14336.5	54.0	15.5	69.5	74.0	-4.5	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (99.4dBμV/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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Channel:	06
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
	4876.0	44.3	2.7	47.0	74.0	-27.0	Peak	Horizontal
	7324.0	43.2	8.0	51.2	74.0	-22.8	Peak	Horizontal
*	9797.5	36.3	11.5	47.8	74.0	-26.2	Peak	Horizontal
*	14336.5	51.7	15.5	67.2	74.0	-6.8	Peak	Horizontal
	4874.7	33.2	2.7	35.9	54.0	-18.1	Average	Vertical
	4876.0	46.7	2.7	49.4	74.0	-24.6	Peak	Vertical
	7313.5	38.7	8.0	46.7	54.0	-7.3	Average	Vertical
	7315.5	53.4	8.0	61.4	74.0	-12.6	Peak	Vertical
*	9755.0	38.6	11.4	50.0	74.0	-24.0	Peak	Vertical
*	14336.5	54.2	15.5	69.7	74.0	-4.3	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (99.6dB $\mu$ 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)

Product:	WIRELESS ACCESS POINT	Temperature:	25°C
Test Engineer:	Alex Ma	Relative Humidity:	51 ~ 56%
Test Site:	AC1	Test data:	2017/07/26
Test Mode:	802.11n-HT40 - Ant 0 + 1	Test Channel:	09
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4901.5	43.1	2.7	45.8	74.0	-28.2	Peak	Horizontal
	7366.5	44.5	7.9	52.4	74.0	-21.6	Peak	Horizontal
*	9806.0	38.3	11.5	49.8	74.0	-24.2	Peak	Horizontal
*	14336.5	47.7	15.5	63.2	74.0	-10.8	Peak	Horizontal
	4901.5	49.3	2.7	52.0	74.0	-22.0	Peak	Vertical
	7350.2	38.8	8.0	46.8	54.0	-7.2	Average	Vertical
	7358.0	53.1	8.0	61.1	74.0	-12.9	Peak	Vertical
*	14124.0	43.7	15.3	59.0	74.0	-15.0	Peak	Vertical
*	14336.5	54.6	15.5	70.1	74.0	-3.9	Peak	Vertical

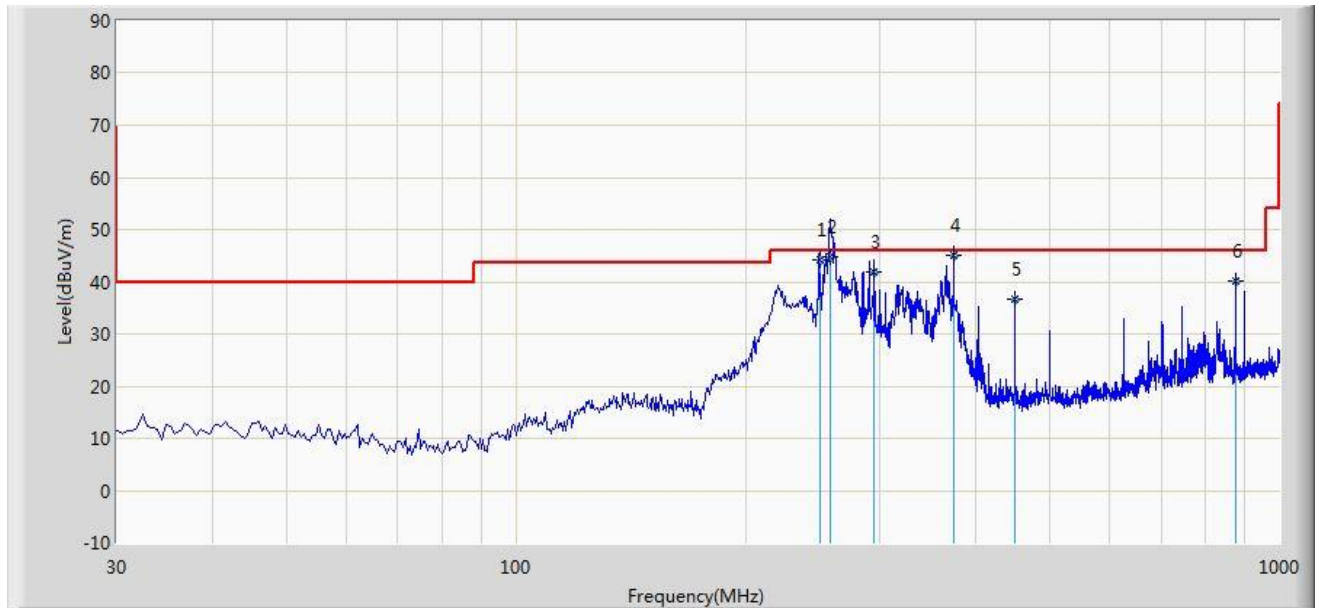
Note 1: "\*" is not in restricted band, its limit is 30dBc of the fundamental emission level (99.4dBμV/m).

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

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

**The worst case of Radiated Emission:**

Site: AC1	Time: 2017/08/02 - 22:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Worst Mode:</b> Transmit by 802.11b at channel 2412MHz Ant 0	



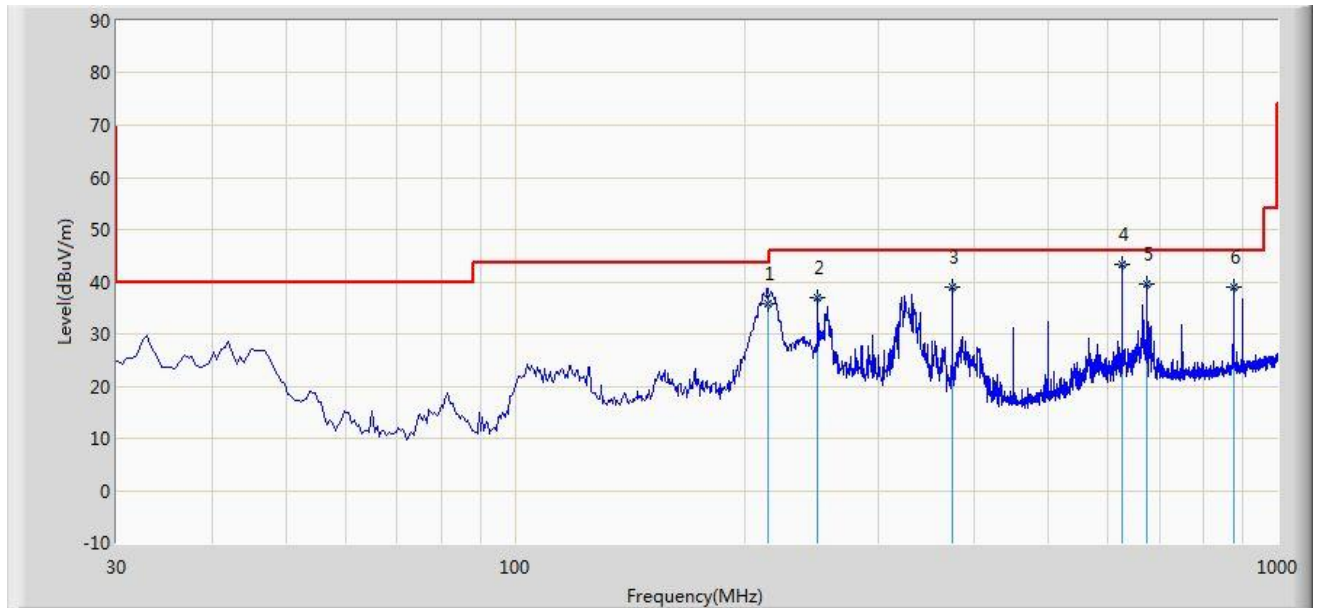
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			250.000	44.150	31.220	-1.850	46.000	12.930	QP
2			257.950	44.715	31.620	-1.285	46.000	13.095	QP
3			294.810	41.795	27.630	-4.205	46.000	14.165	QP
4		*	374.835	45.160	29.160	-0.840	46.000	16.000	QP
5			450.010	36.681	18.860	-9.319	46.000	17.821	QP
6			875.355	40.260	16.250	-5.740	46.000	24.010	QP

Note 1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2017/08/02 - 22:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Lewis Huang
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Worst Mode:</b> Transmit by 802.11b at channel 2412MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			214.300	35.908	24.360	-7.592	43.500	11.548	QP
2			249.705	36.813	23.892	-9.187	46.000	12.921	QP
3			374.835	38.919	22.919	-7.081	46.000	16.000	QP
4		*	625.095	43.467	22.441	-2.533	46.000	21.026	QP
5			675.050	39.568	17.842	-6.432	46.000	21.726	QP
6			875.355	38.851	14.841	-7.149	46.000	24.010	QP

Note 1: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

## 7.7. Radiated Restricted Band Edge Measurement

### 7.7.1. Test Limit

#### For 15.205 requirement:

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

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

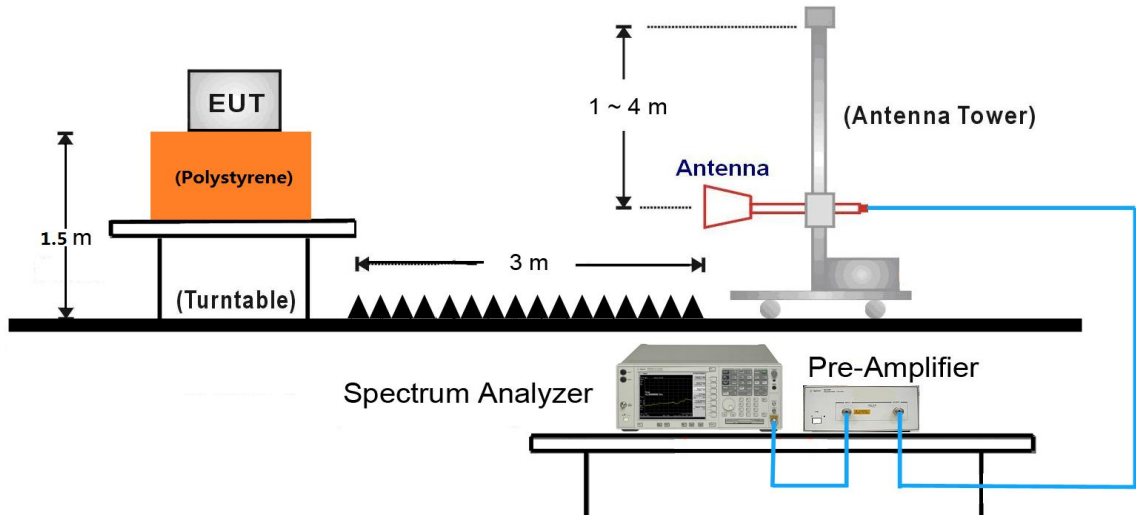
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits per Section FCC 15.209.

### 7.7.2. Test Procedure Used

KDB 558074 D01v04 - Section 12.2.4 (peak power measurements)

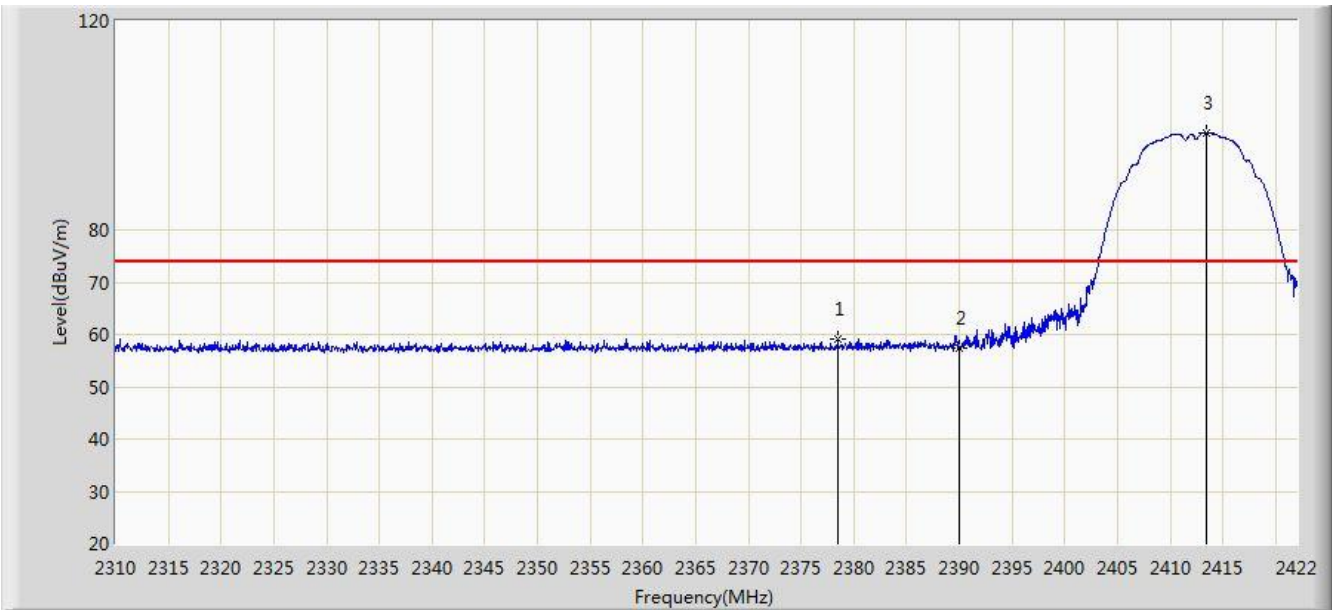
KDB 558074 D01v04 - Section 12.2.5 (average power measurements)

### 7.7.3. Test Setup



### 7.7.4. Test Result

Site: AC1	Time: 2017/07/26 - 02:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	



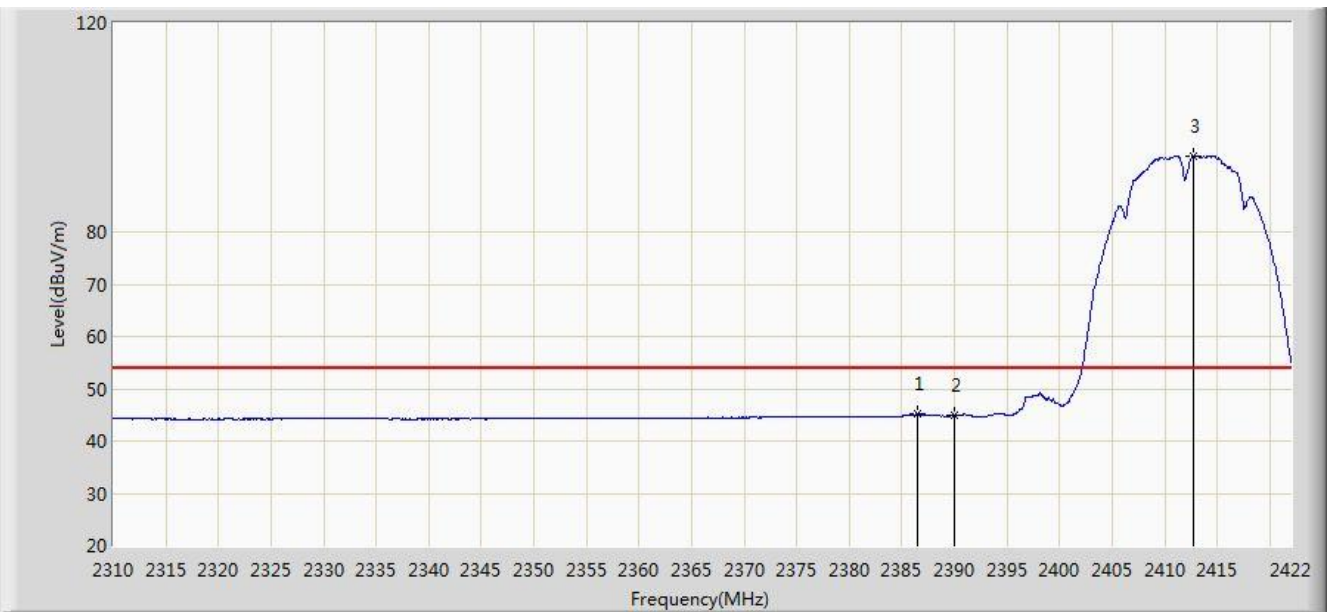
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2378.488	59.219	27.995	-14.781	74.000	31.224	PK
2			2390.000	57.521	26.318	-16.479	74.000	31.203	PK
3		*	2413.432	98.685	67.518	N/A	N/A	31.168	PK

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: 2017/07/26 - 02:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

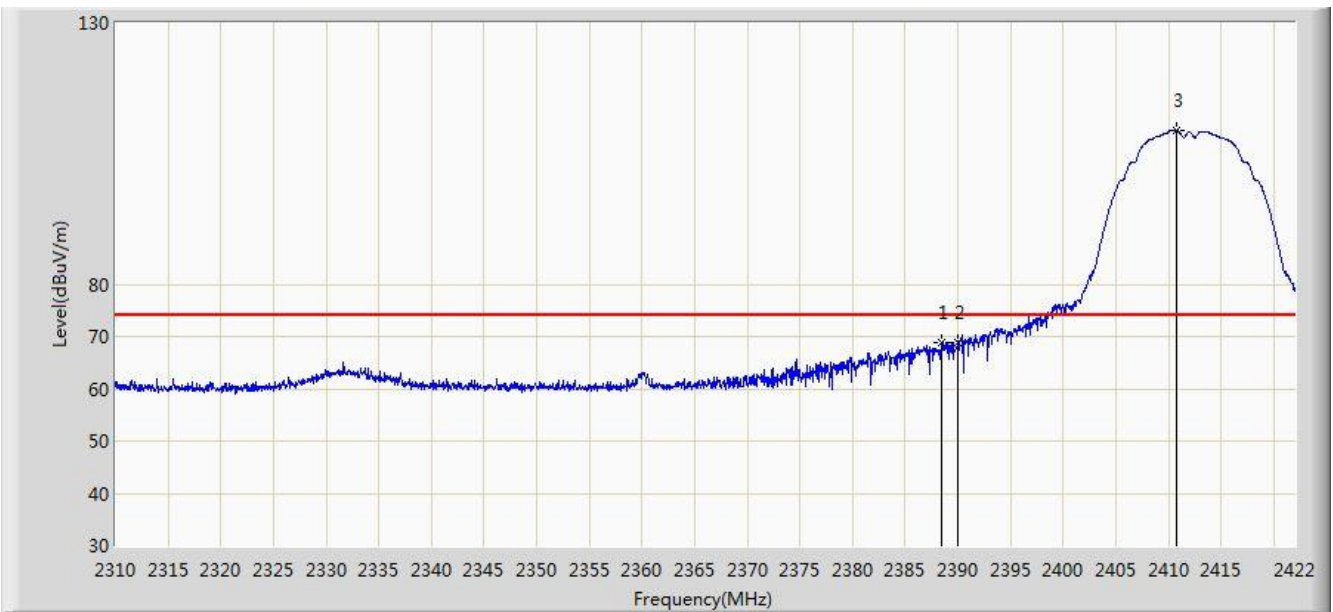


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.552	45.198	13.989	-8.802	54.000	31.209	AV
2			2390.000	44.879	13.676	-9.121	54.000	31.203	AV
3		*	2412.760	94.560	63.392	N/A	N/A	31.168	AV

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: 2017/07/26 - 02:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

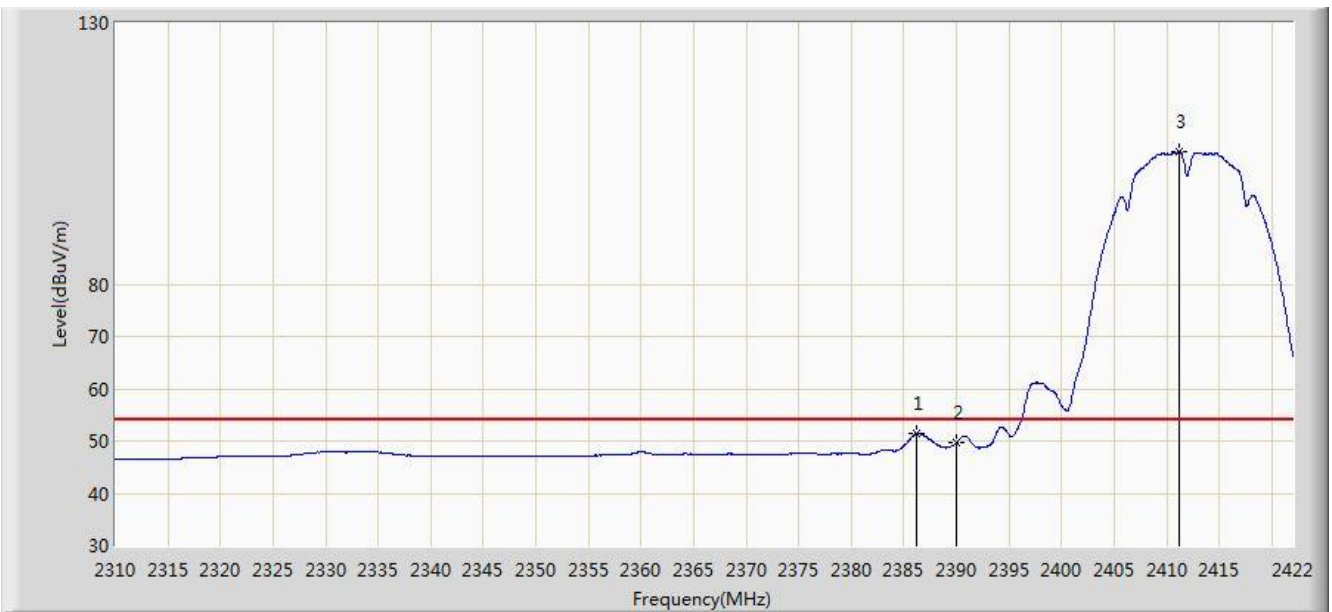


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.456	68.974	37.768	-5.026	74.000	31.206	PK
2			2390.000	68.806	37.603	-5.194	74.000	31.203	PK
3		*	2410.800	109.369	78.197	N/A	N/A	31.172	PK

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

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

Site: AC1	Time: 2017/07/26 - 02:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Ant 0	

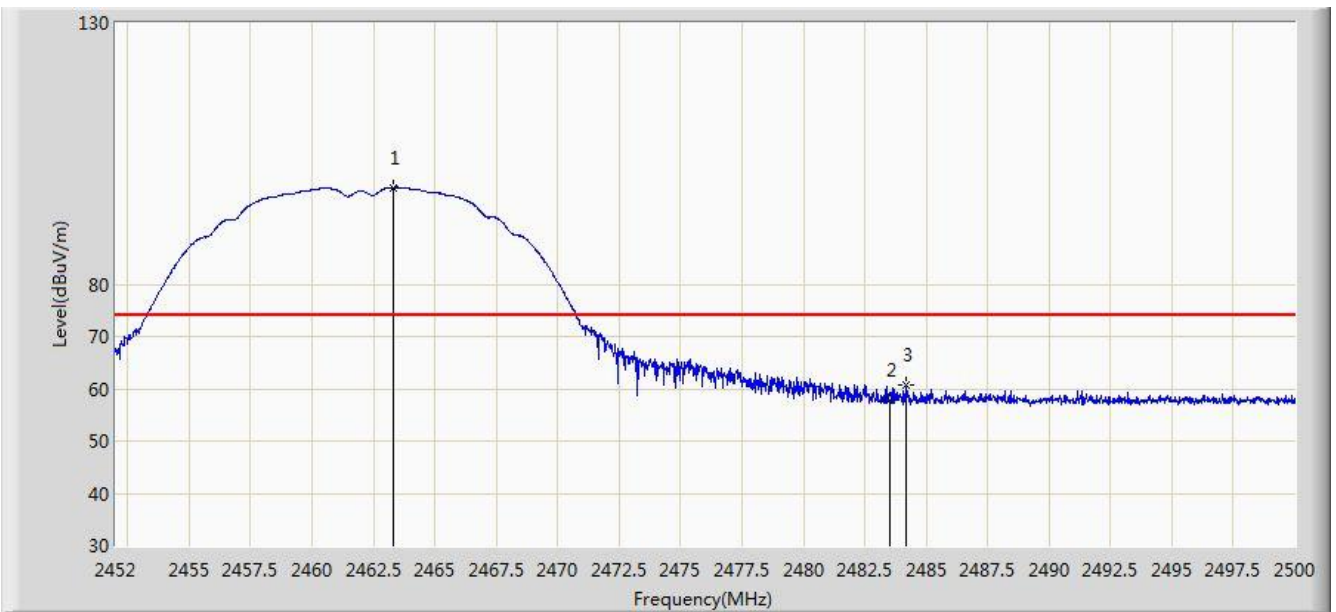


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.272	51.462	20.252	-2.538	54.000	31.209	AV
2			2390.000	49.613	18.410	-4.387	54.000	31.203	AV
3		*	2411.192	105.419	74.248	N/A	N/A	31.171	AV

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: 2017/07/26 - 02:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant	

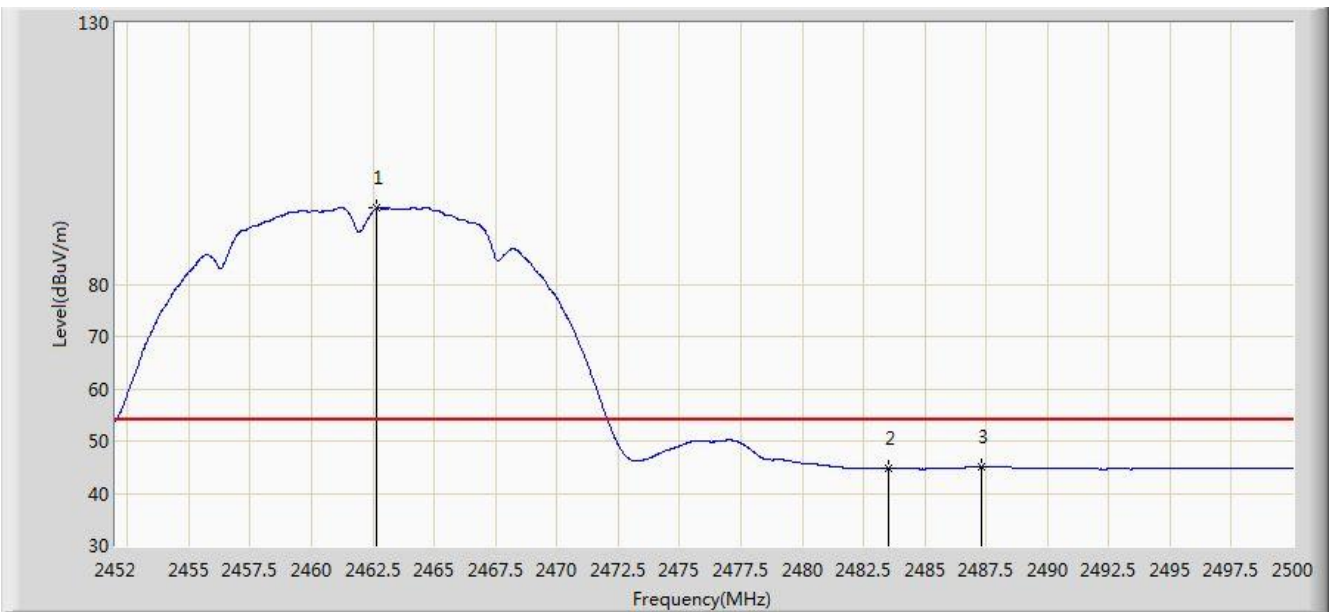


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.328	98.537	67.399	N/A	N/A	31.138	PK
2			2483.500	57.958	26.765	-16.042	74.000	31.194	PK
3			2484.208	60.818	29.623	-13.182	74.000	31.195	PK

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: 2017/07/26 - 02:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	

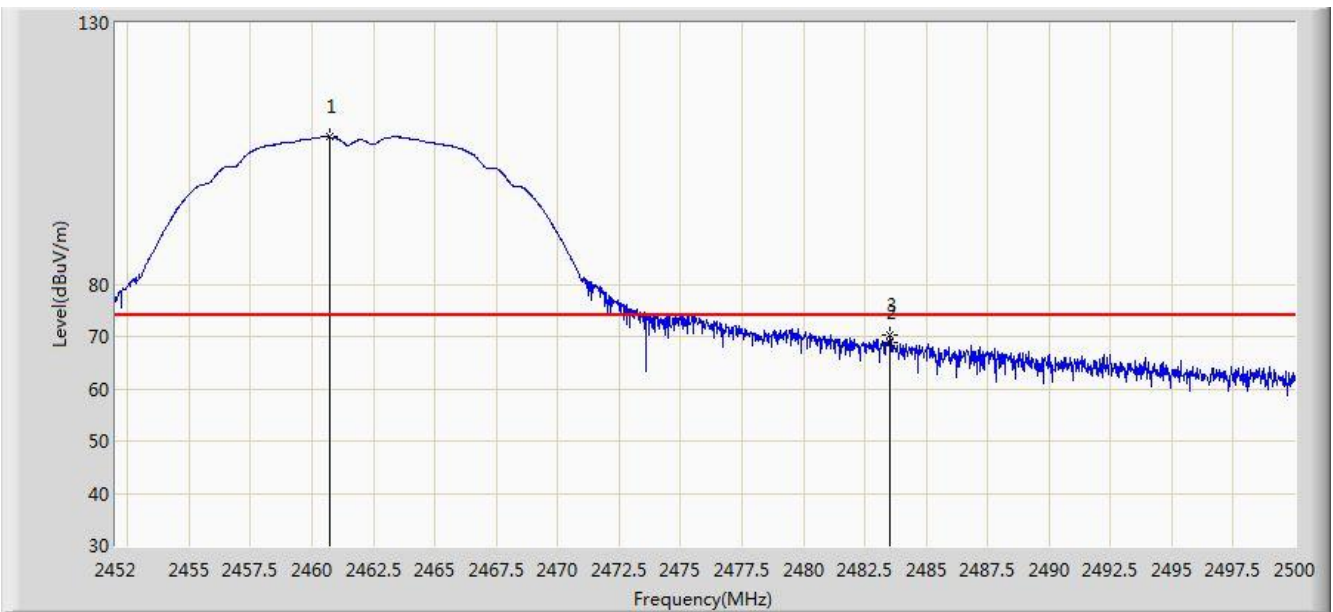


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.656	94.504	63.367	N/A	N/A	31.137	AV
2			2483.500	44.795	13.602	-9.205	54.000	31.194	AV
3			2487.328	44.978	13.775	-9.022	54.000	31.204	AV

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

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

Site: AC1	Time: 2017/07/26 - 02:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.712	108.124	76.991	N/A	N/A	31.133	PK
2			2483.500	68.907	37.714	-5.093	74.000	31.194	PK
3			2483.536	70.166	38.973	-3.834	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: 2017/07/26 - 03:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Ant 0	

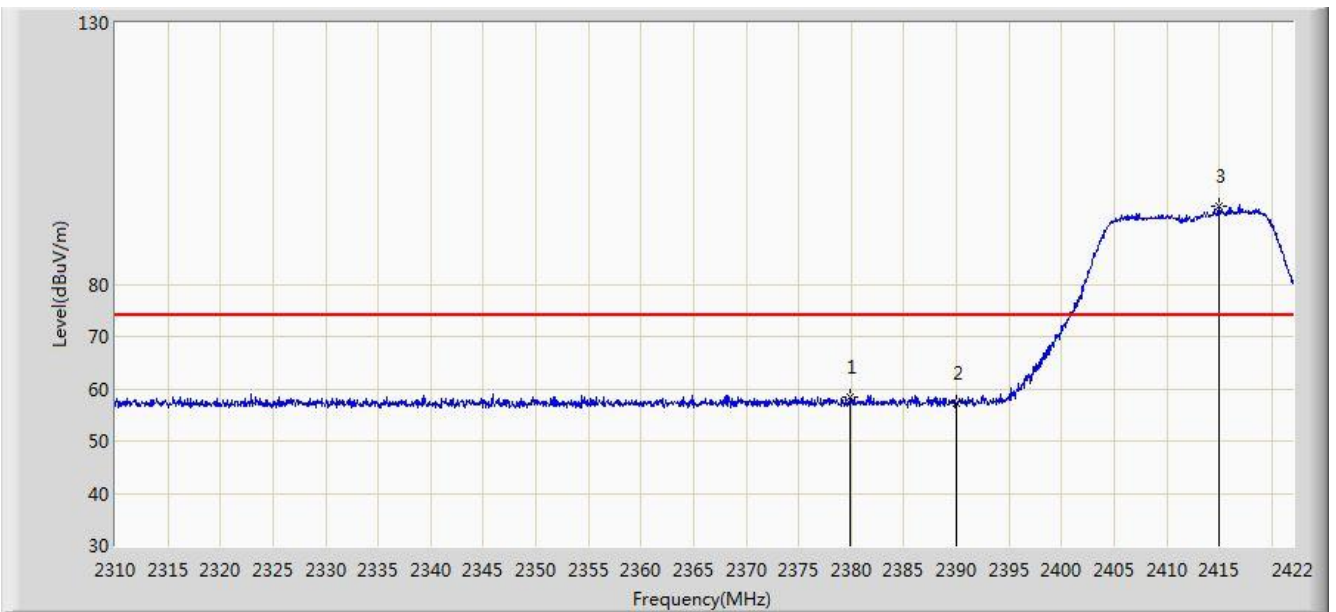


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	104.386	73.252	N/A	N/A	31.134	AV
2			2483.500	48.095	16.902	-5.905	54.000	31.194	AV
3			2487.784	49.568	18.363	-4.432	54.000	31.204	AV

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: 2017/07/26 - 03:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	



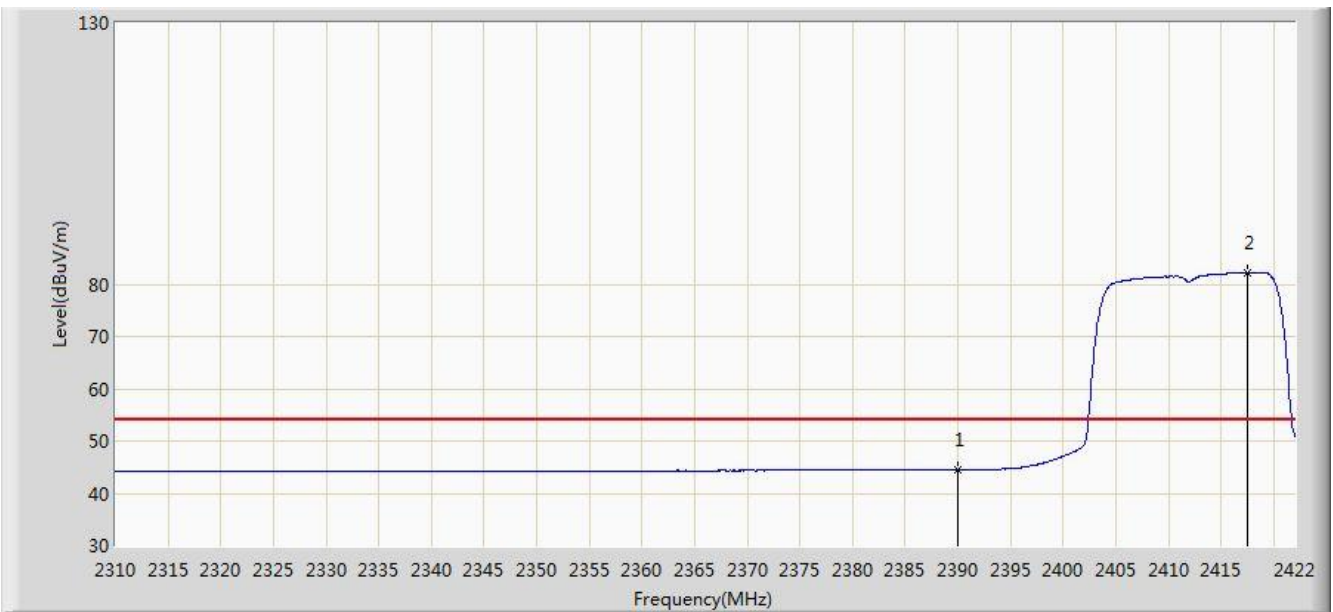
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2379.832	58.461	27.240	-15.539	74.000	31.221	PK
2			2390.000	57.225	26.022	-16.775	74.000	31.203	PK
3		*	2414.944	94.882	63.718	N/A	N/A	31.165	PK

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

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



Site: AC1	Time: 2017/07/26 - 03:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

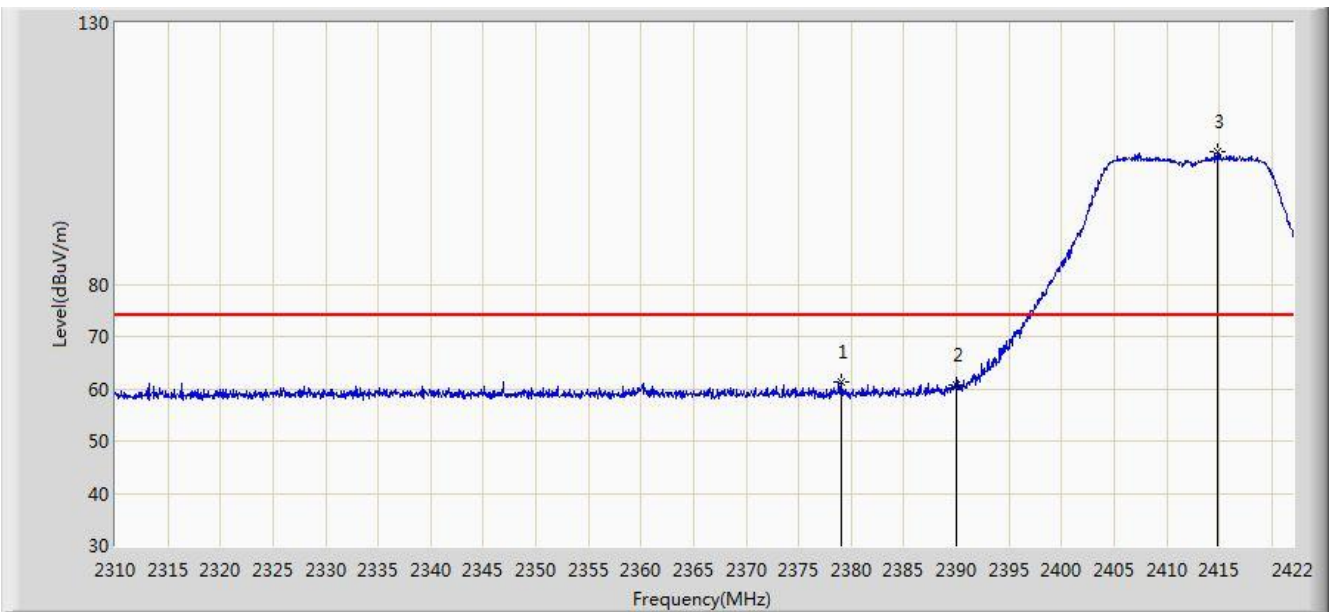


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.505	13.302	-9.495	54.000	31.203	AV
2		*	2417.576	82.304	51.144	N/A	N/A	31.160	AV

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: 2017/07/26 - 03:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

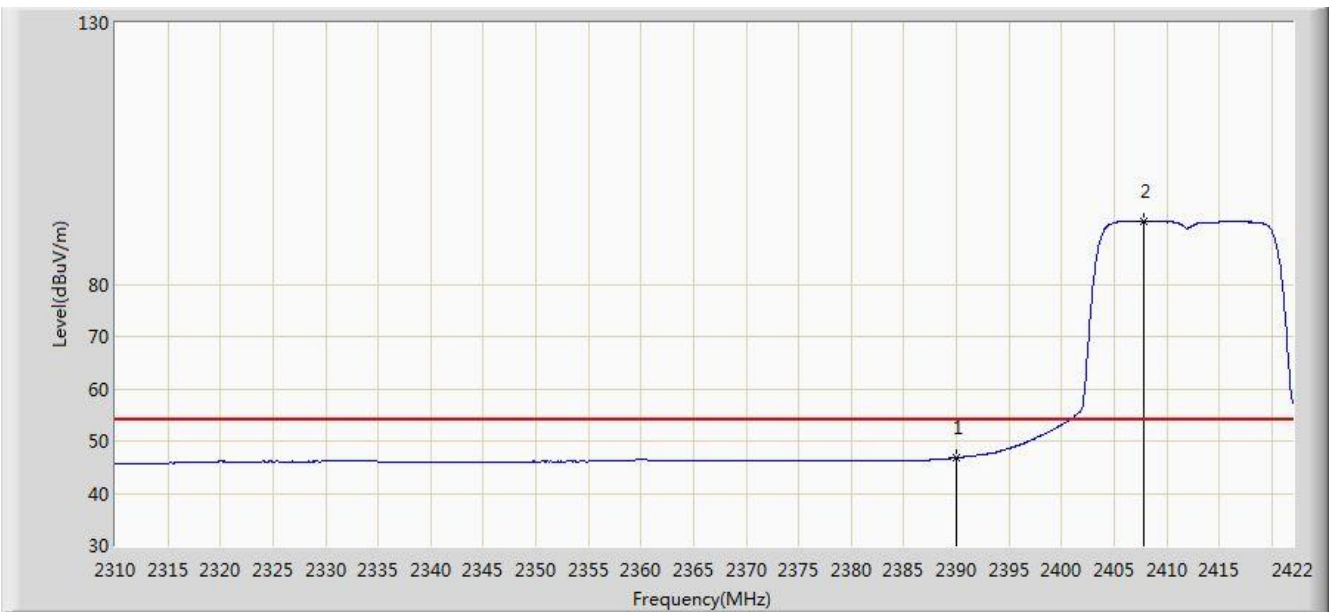


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2379.104	61.234	30.011	-12.766	74.000	31.223	PK
2			2390.000	60.779	29.576	-13.221	74.000	31.203	PK
3		*	2414.776	105.400	74.235	N/A	N/A	31.164	PK

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: 2017/07/26 - 03:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Ant 0	

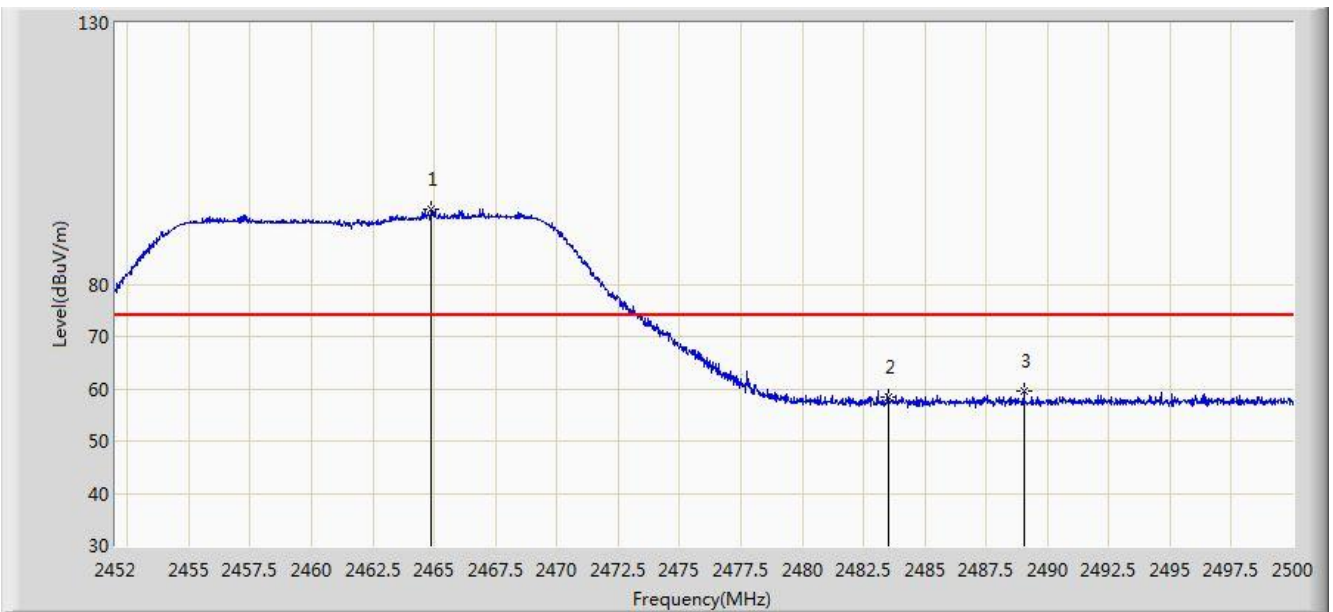


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.811	15.608	-7.189	54.000	31.203	AV
2		*	2407.888	92.081	60.905	N/A	N/A	31.176	AV

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: 2017/07/26 - 03:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

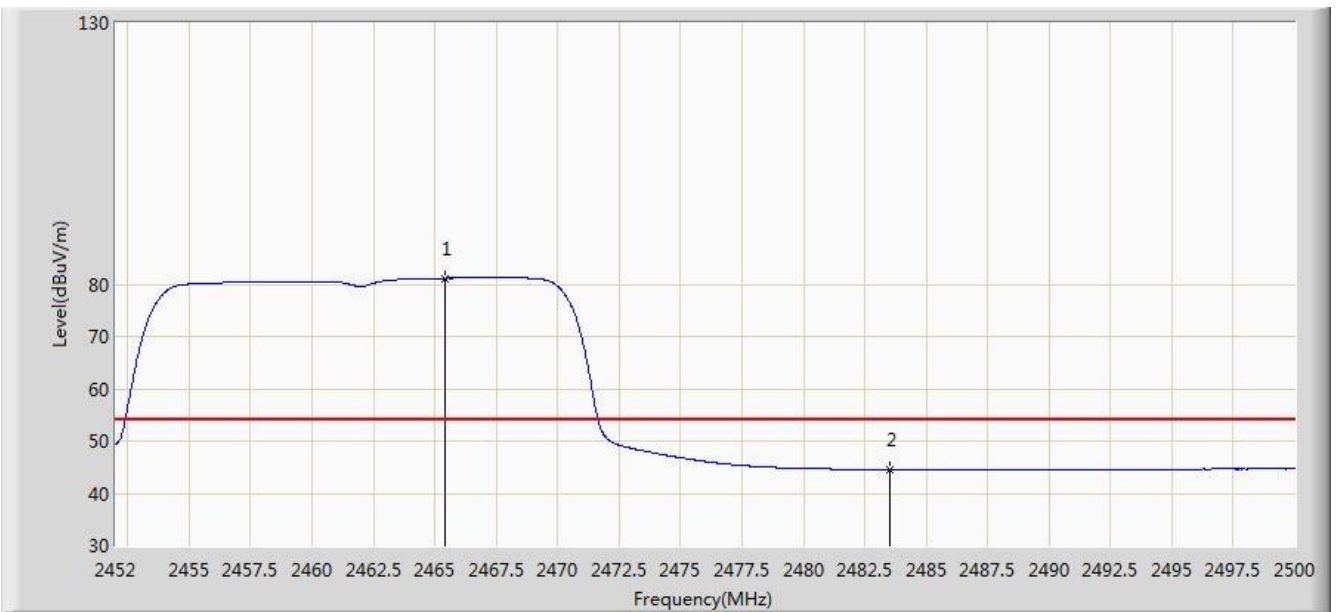


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.864	94.340	63.198	N/A	N/A	31.142	PK
2			2483.500	58.351	27.158	-15.649	74.000	31.194	PK
3			2489.032	59.522	28.314	-14.478	74.000	31.208	PK

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: 2017/07/26 - 03:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

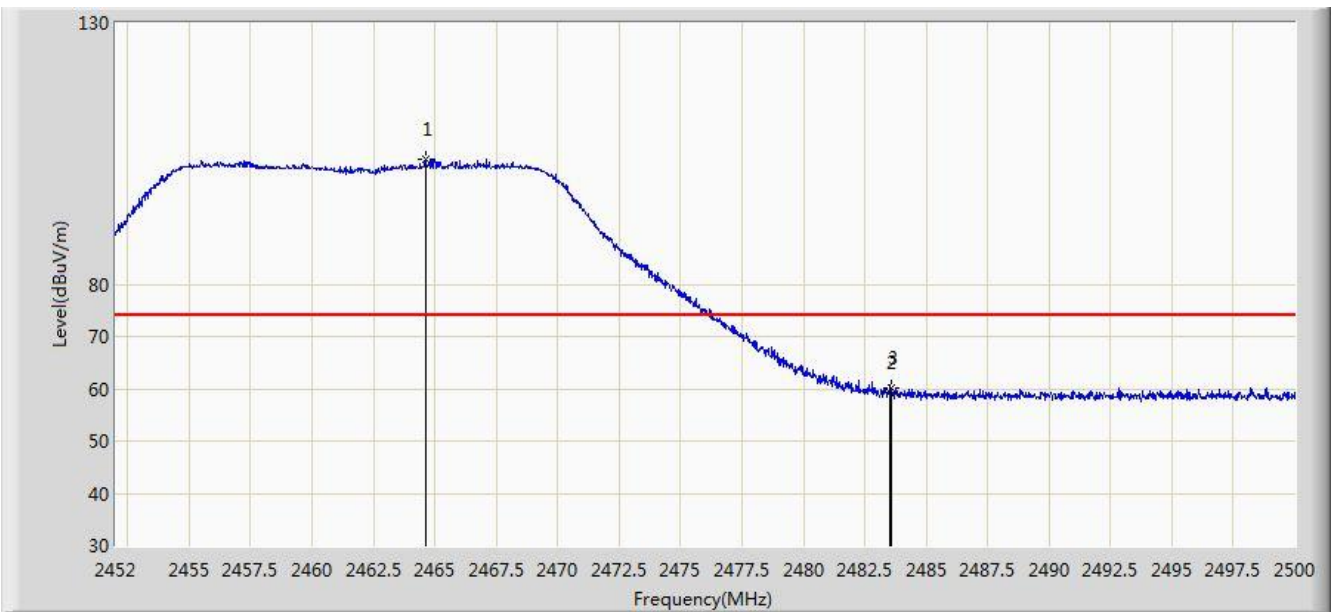


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2465.416	81.147	50.004	N/A	N/A	31.143	AV
2			2483.500	44.549	13.356	-9.451	54.000	31.194	AV

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: 2017/07/26 - 03:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

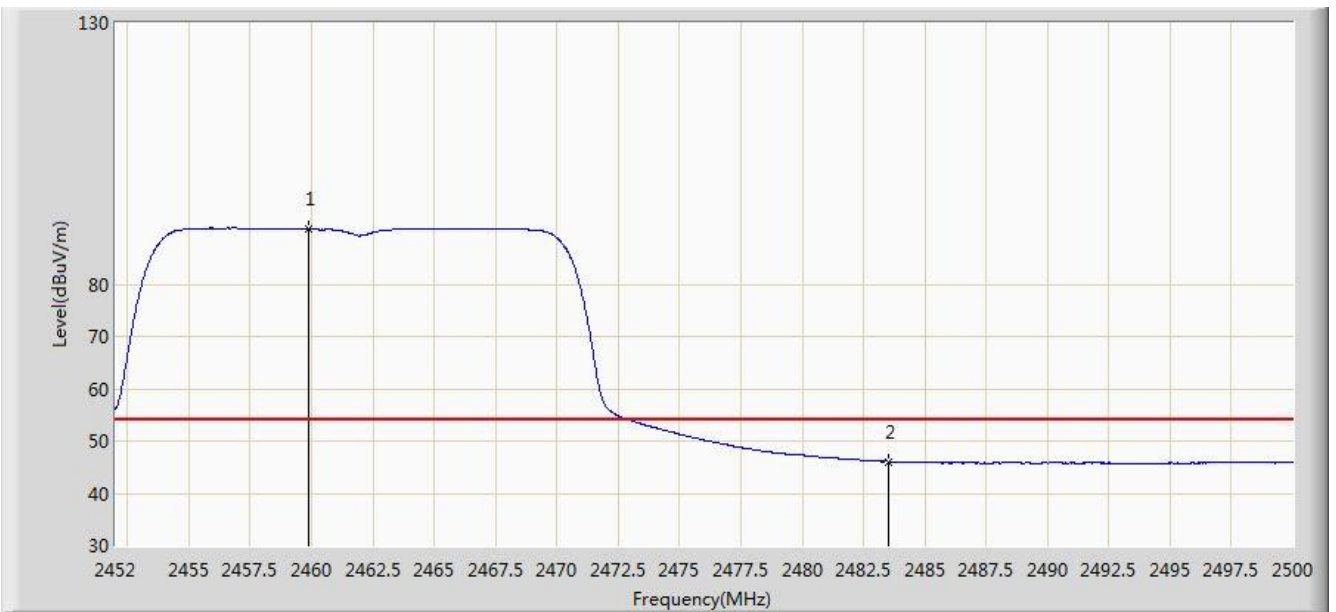


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.624	103.776	72.635	N/A	N/A	31.141	PK
2			2483.500	59.361	28.168	-14.639	74.000	31.194	PK
3			2483.608	60.026	28.832	-13.974	74.000	31.194	PK

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

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

Site: AC1	Time: 2017/07/26 - 03:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Ant 0	

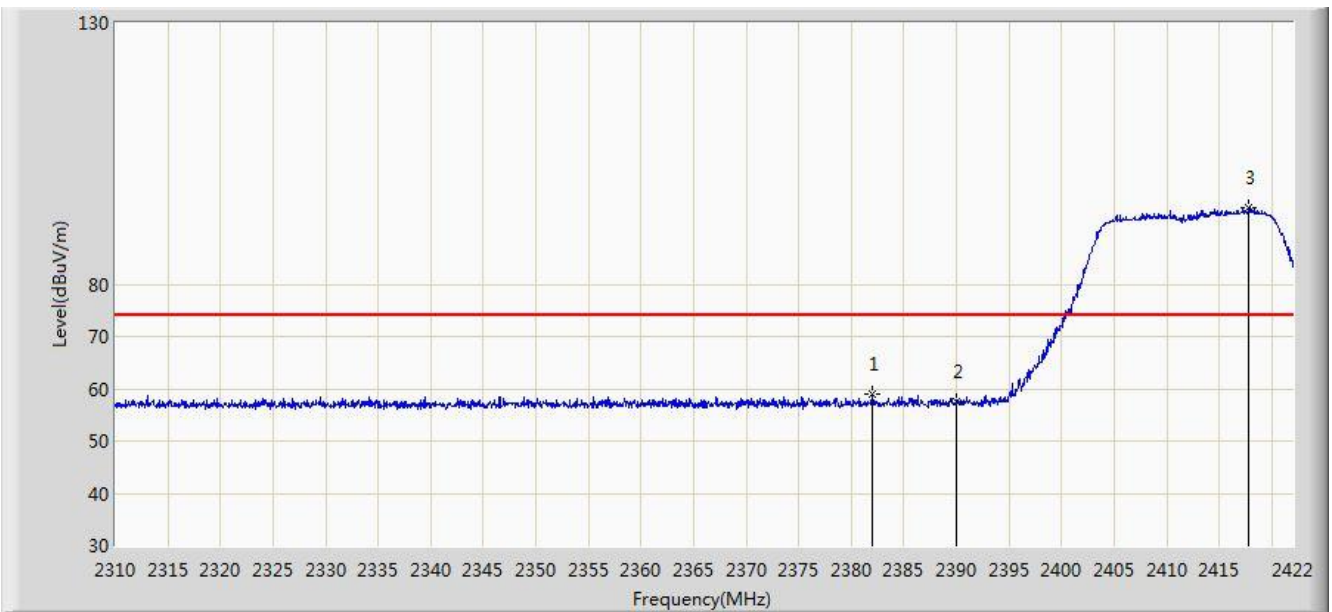


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.896	90.477	59.345	N/A	N/A	31.131	AV
2			2483.500	46.082	14.889	-7.918	54.000	31.194	AV

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: 2017/07/26 - 03:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0	



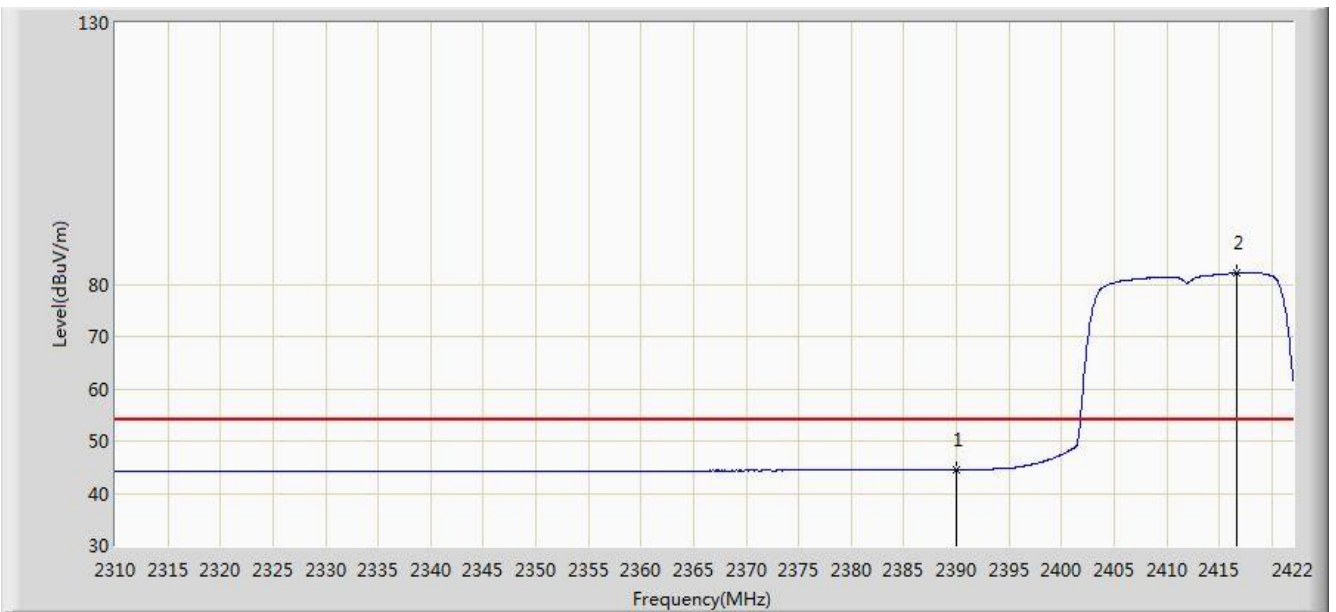
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2382.016	58.978	27.761	-15.022	74.000	31.218	PK
2			2390.000	57.420	26.217	-16.580	74.000	31.203	PK
3		*	2417.800	94.545	63.385	N/A	N/A	31.159	PK

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: 2017/07/26 - 03:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0	

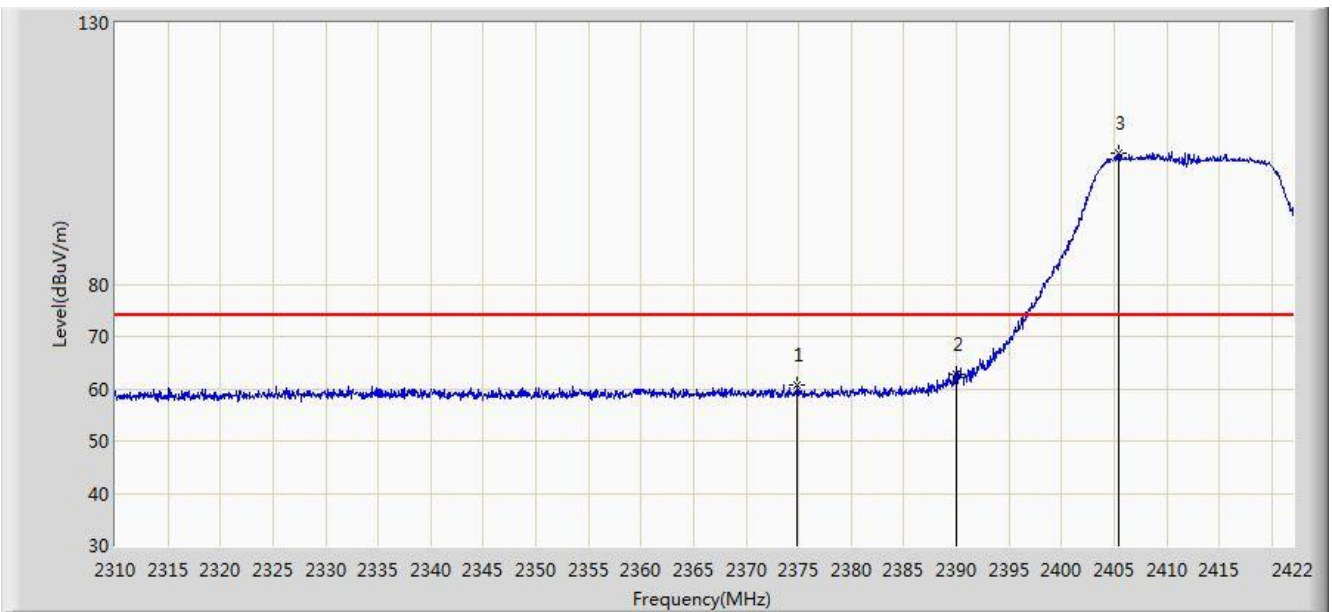


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.536	13.333	-9.464	54.000	31.203	AV
2		*	2416.736	82.086	50.925	N/A	N/A	31.162	AV

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: 2017/07/26 - 03:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0	

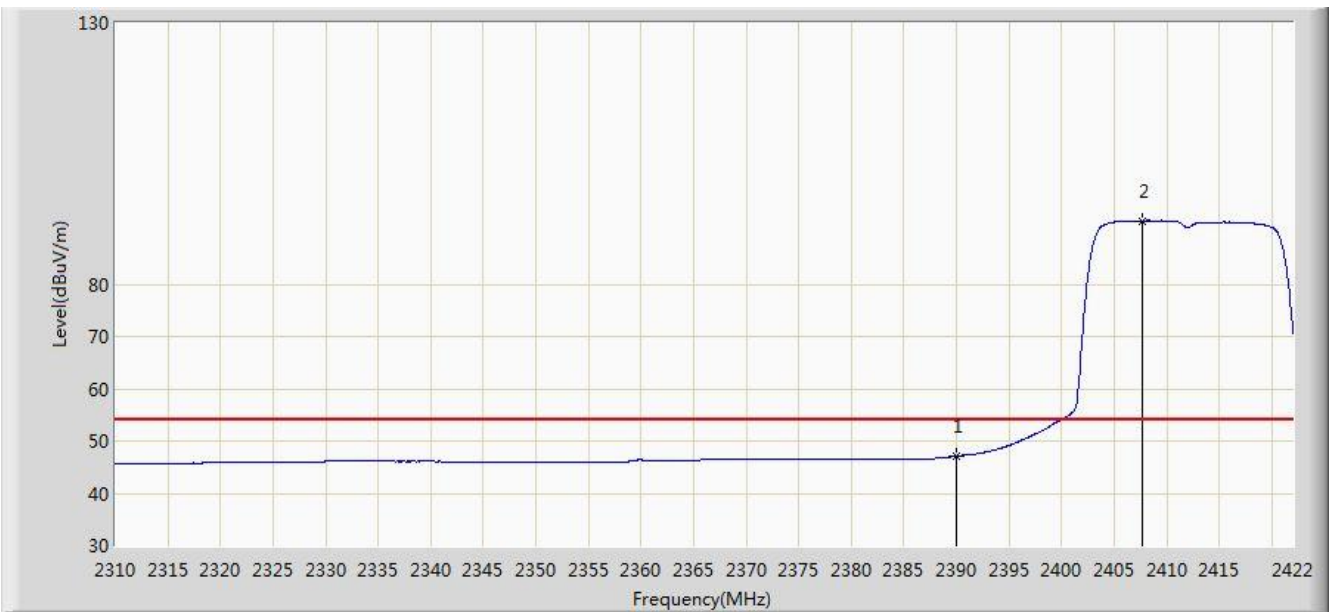


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2374.904	60.821	29.590	-13.179	74.000	31.231	PK
2			2390.000	62.822	31.619	-11.178	74.000	31.203	PK
3		*	2405.424	105.159	73.980	N/A	N/A	31.179	PK

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: 2017/07/26 - 03:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0	

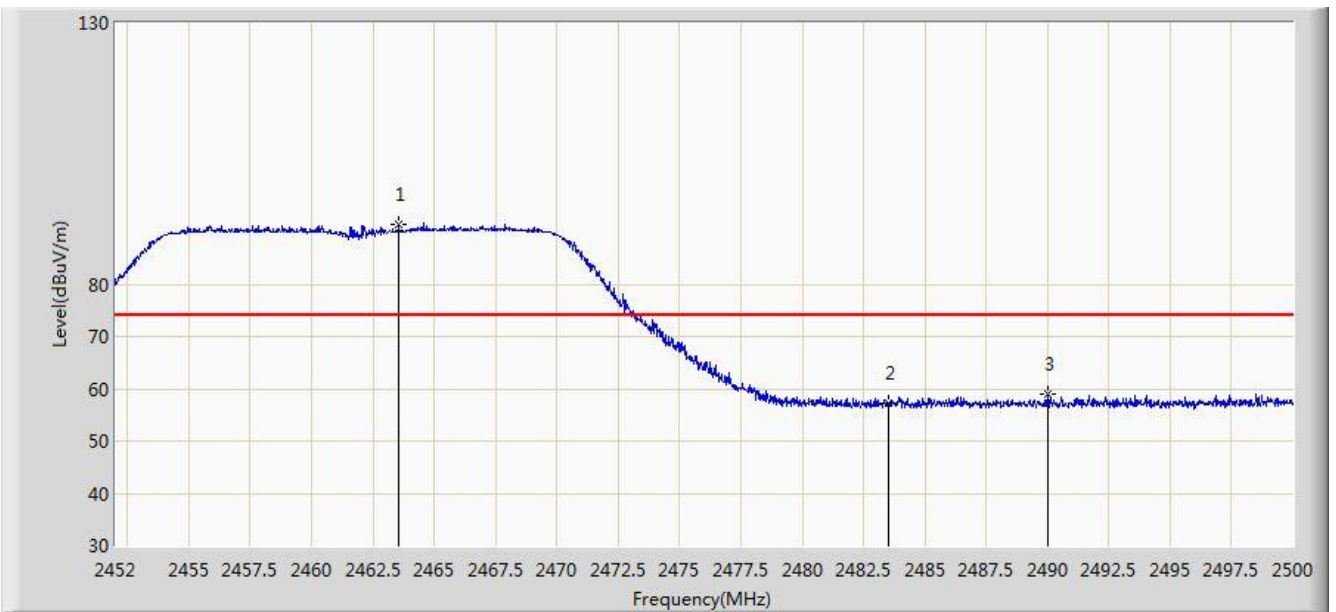


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.105	15.902	-6.895	54.000	31.203	AV
2		*	2407.664	92.075	60.899	N/A	N/A	31.176	AV

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: 2017/07/26 - 03:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0	

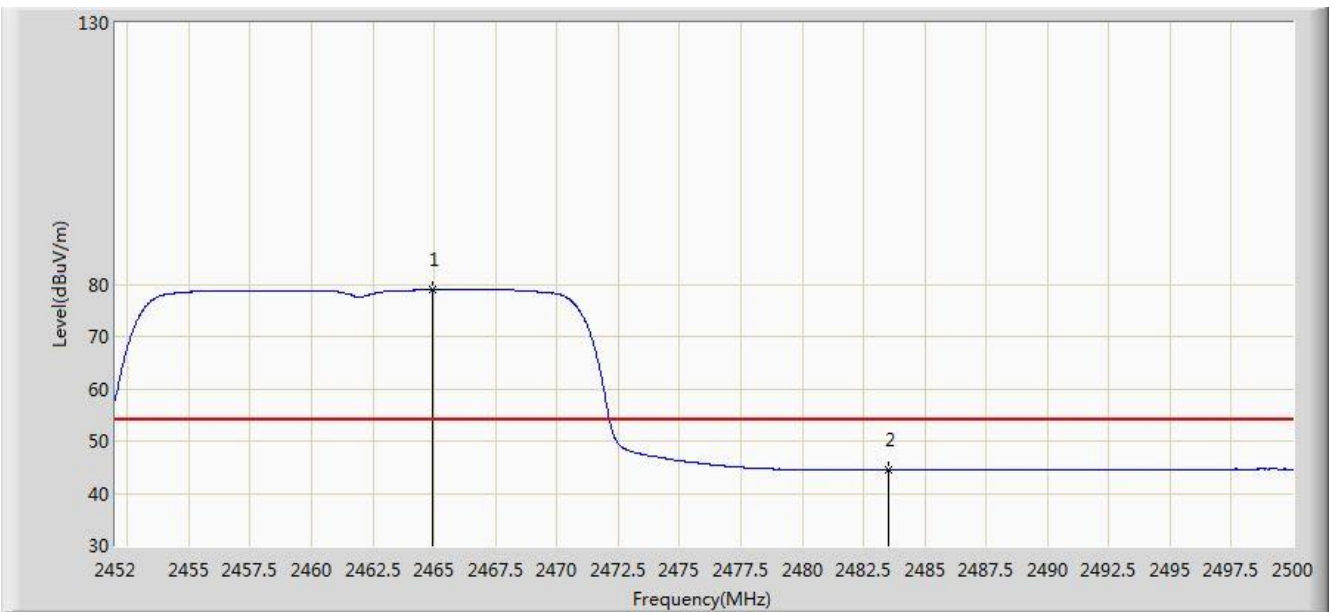


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.544	91.348	60.210	N/A	N/A	31.139	PK
2			2483.500	57.292	26.099	-16.708	74.000	31.194	PK
3			2490.016	58.977	27.767	-15.023	74.000	31.210	PK

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: 2017/07/26 - 03:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0	

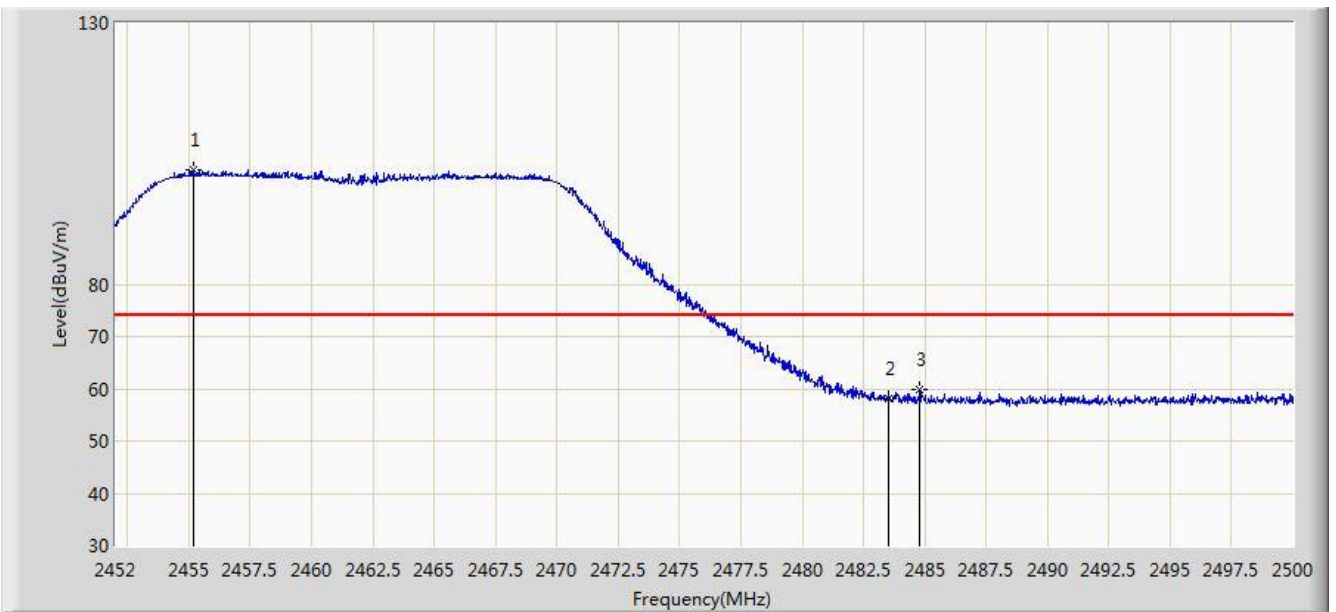


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.960	78.939	47.797	N/A	N/A	31.142	AV
2			2483.500	44.435	13.242	-9.565	54.000	31.194	AV

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: 2017/07/26 - 03:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0	

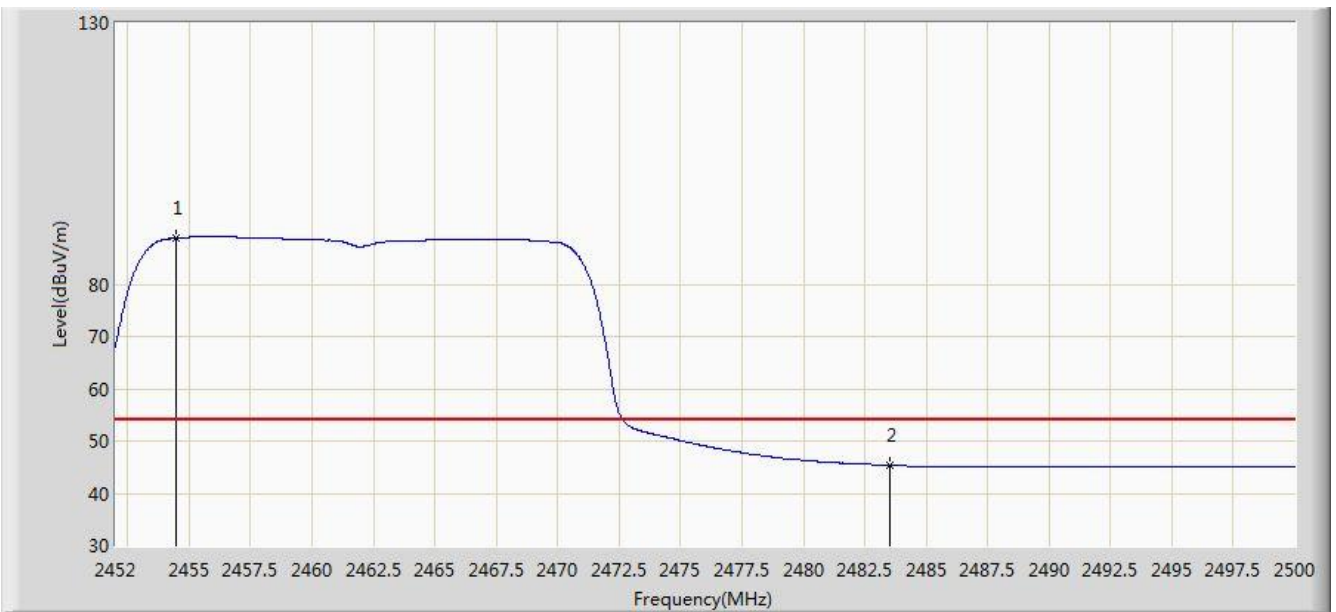


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.216	101.958	70.835	N/A	N/A	31.123	PK
2			2483.500	58.060	26.867	-15.940	74.000	31.194	PK
3			2484.784	59.774	28.577	-14.226	74.000	31.197	PK

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: 2017/07/26 - 03:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0	

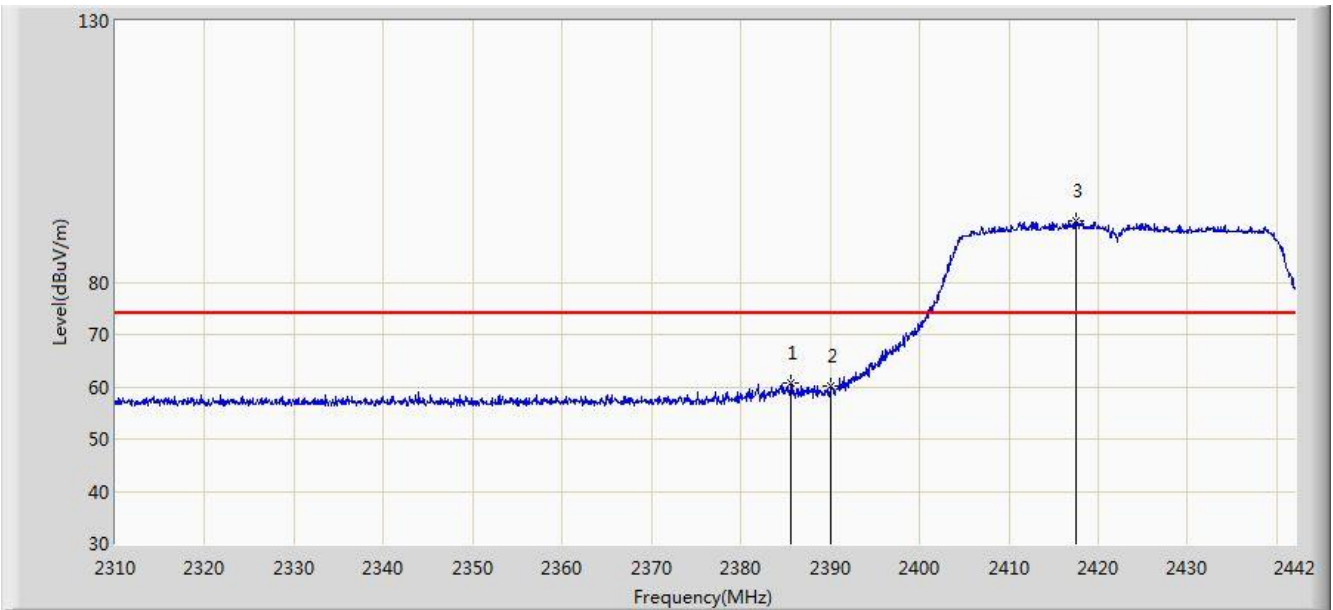


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2454.448	88.858	57.736	N/A	N/A	31.122	AV
2			2483.500	45.363	14.170	-8.637	54.000	31.194	AV

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: 2017/07/26 - 03:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0	



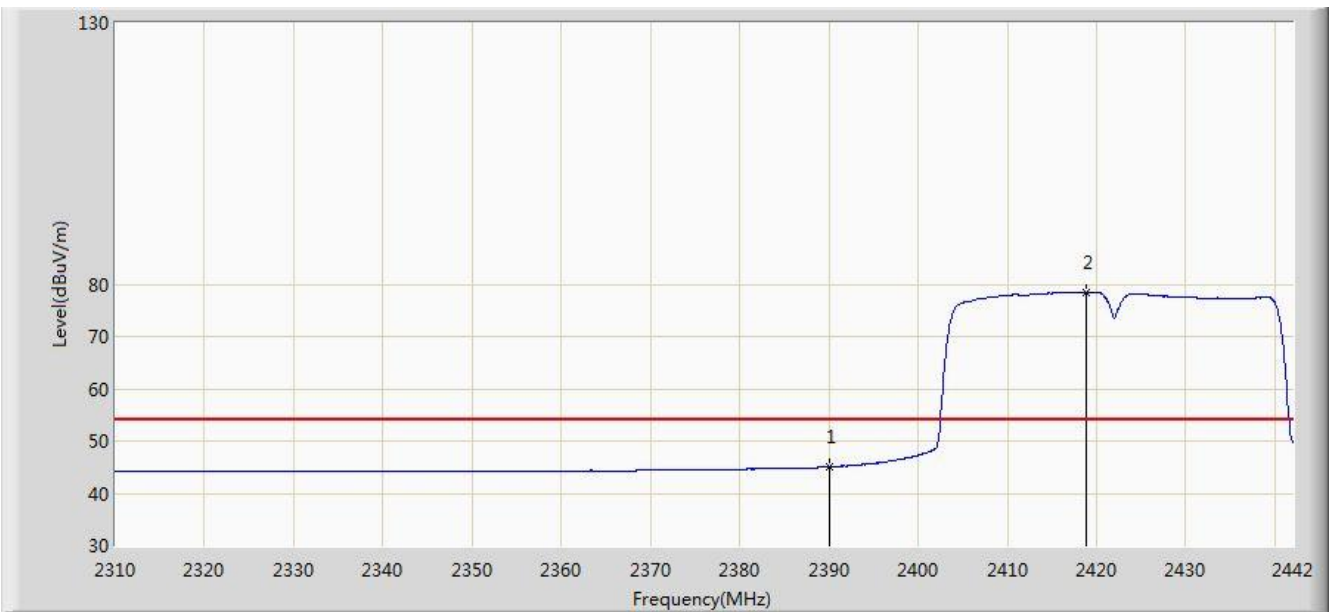
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.636	60.657	29.446	-13.343	74.000	31.211	PK
2			2390.000	60.016	28.813	-13.984	74.000	31.203	PK
3		*	2417.514	91.687	60.527	N/A	N/A	31.160	PK

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: 2017/07/26 - 03:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0	

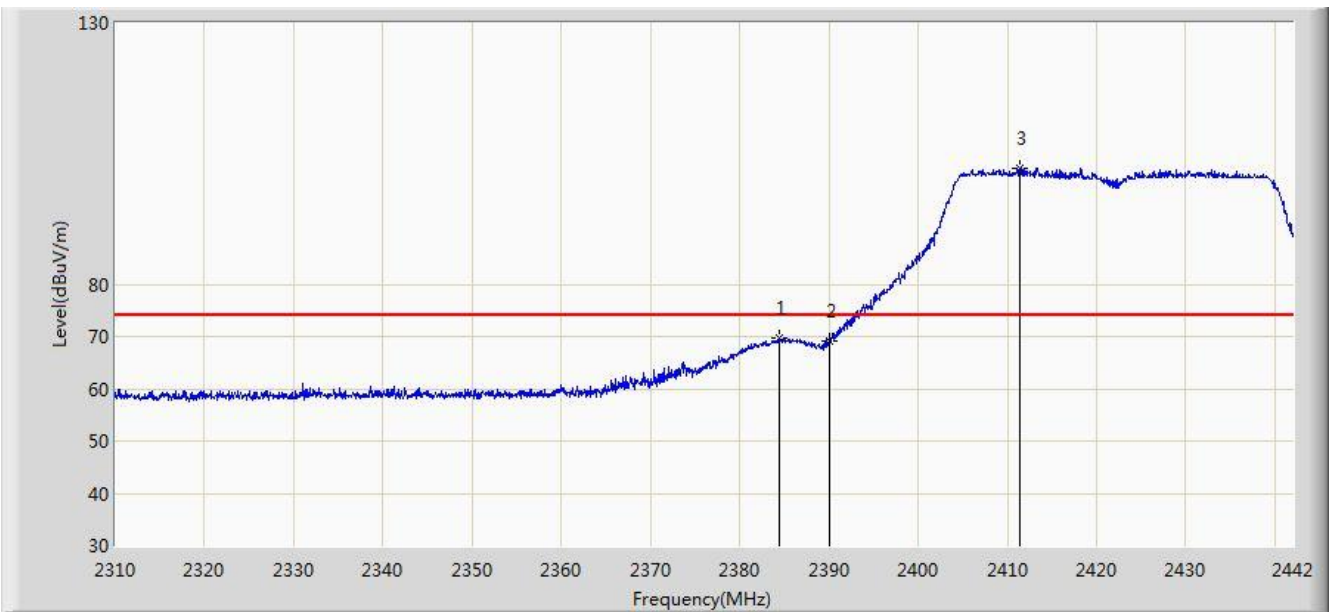


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.024	13.821	-8.976	54.000	31.203	AV
2		*	2418.834	78.470	47.312	N/A	N/A	31.158	AV

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: 2017/07/26 - 03:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0	

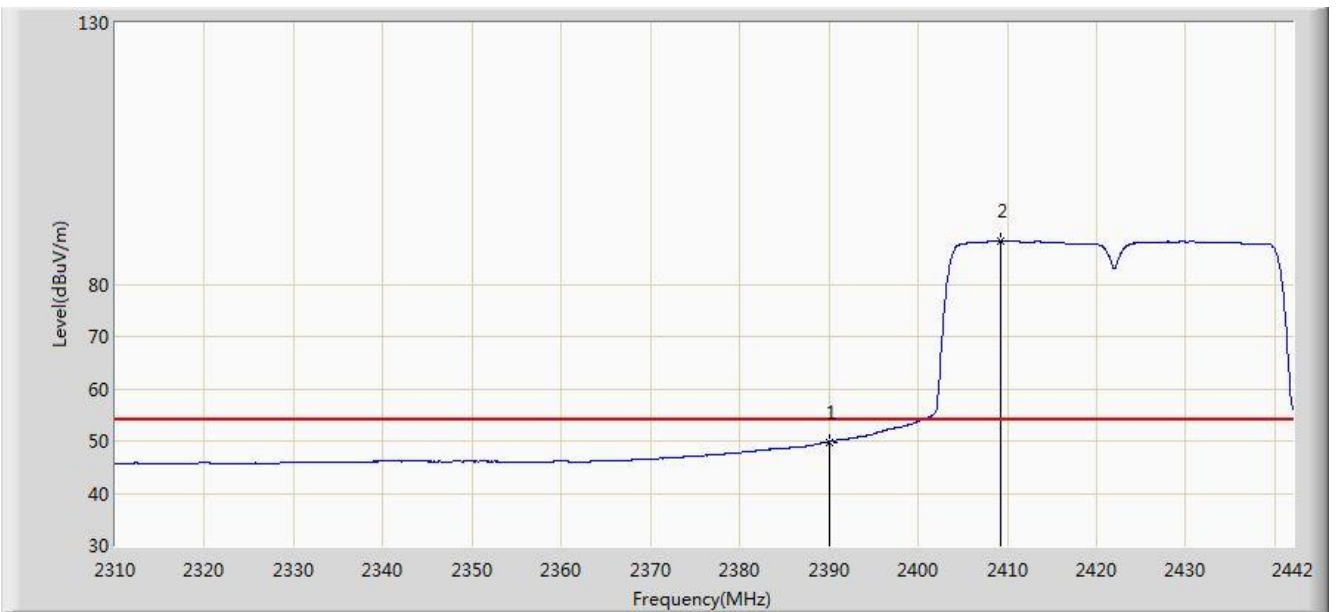


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2384.514	69.708	38.495	-4.292	74.000	31.213	PK
2			2390.000	69.025	37.822	-4.975	74.000	31.203	PK
3		*	2411.442	102.247	71.076	N/A	N/A	31.170	PK

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: 2017/07/26 - 03:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0	

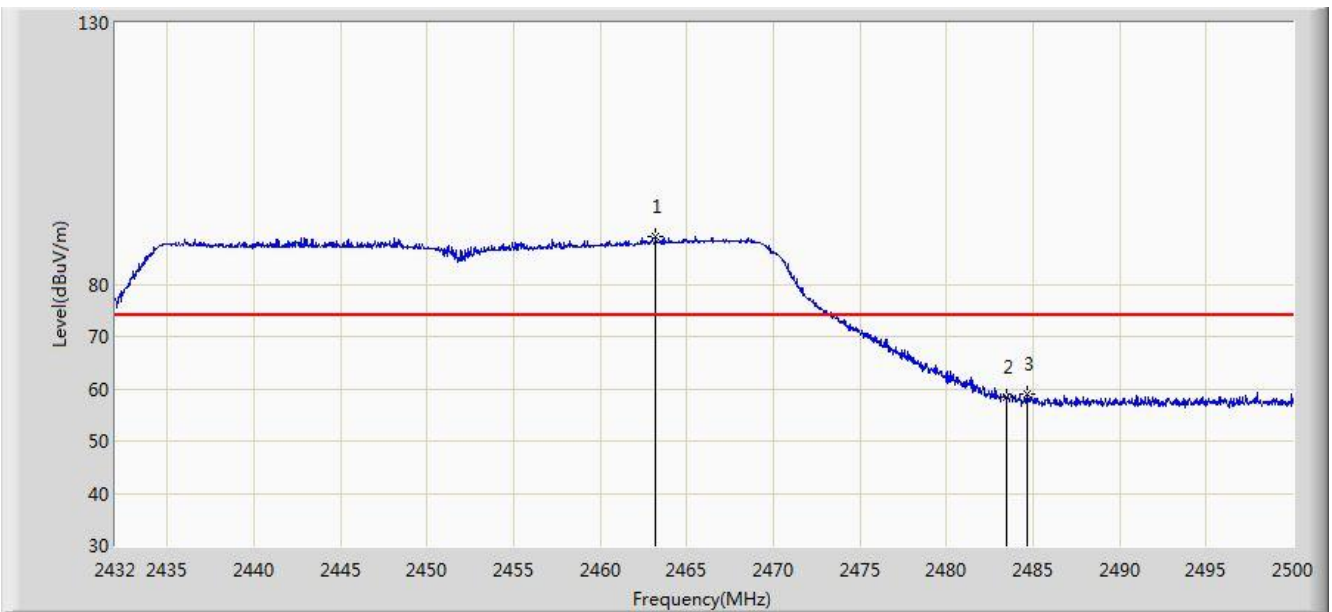


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.814	18.611	-4.186	54.000	31.203	AV
2		*	2409.330	88.231	57.057	N/A	N/A	31.173	AV

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: 2017/07/26 - 03:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0	

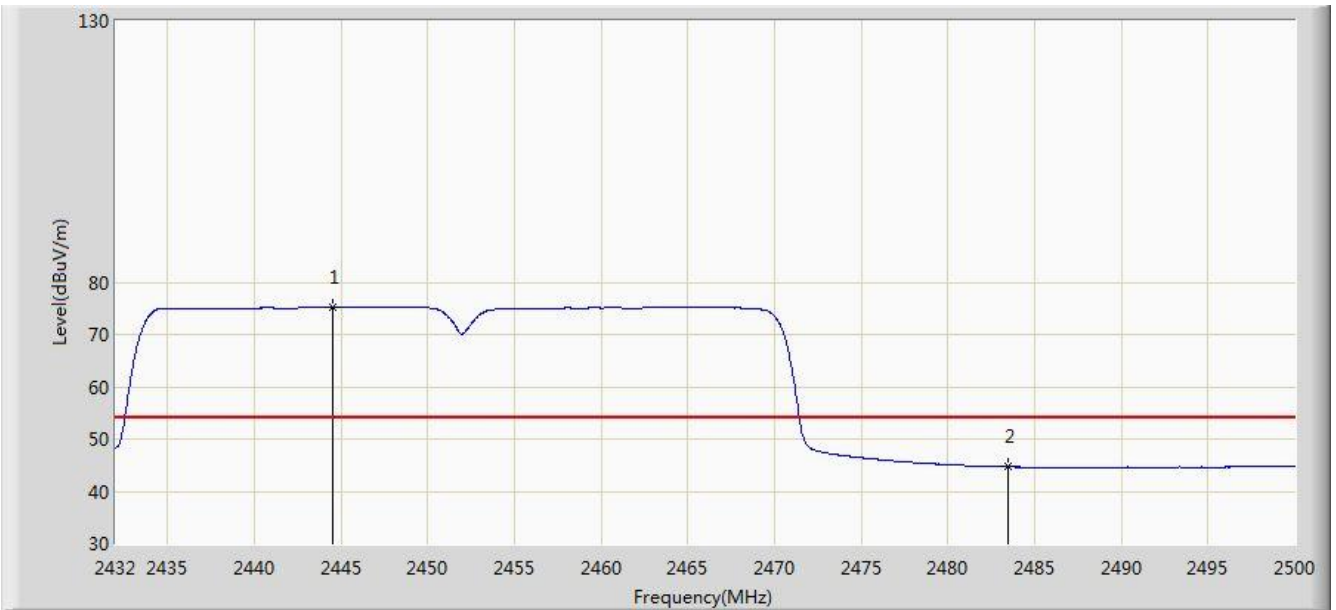


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.212	89.163	58.025	N/A	N/A	31.137	PK
2			2483.500	58.391	27.198	-15.609	74.000	31.194	PK
3			2484.632	58.910	27.714	-15.090	74.000	31.197	PK

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: 2017/07/26 - 03:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0	

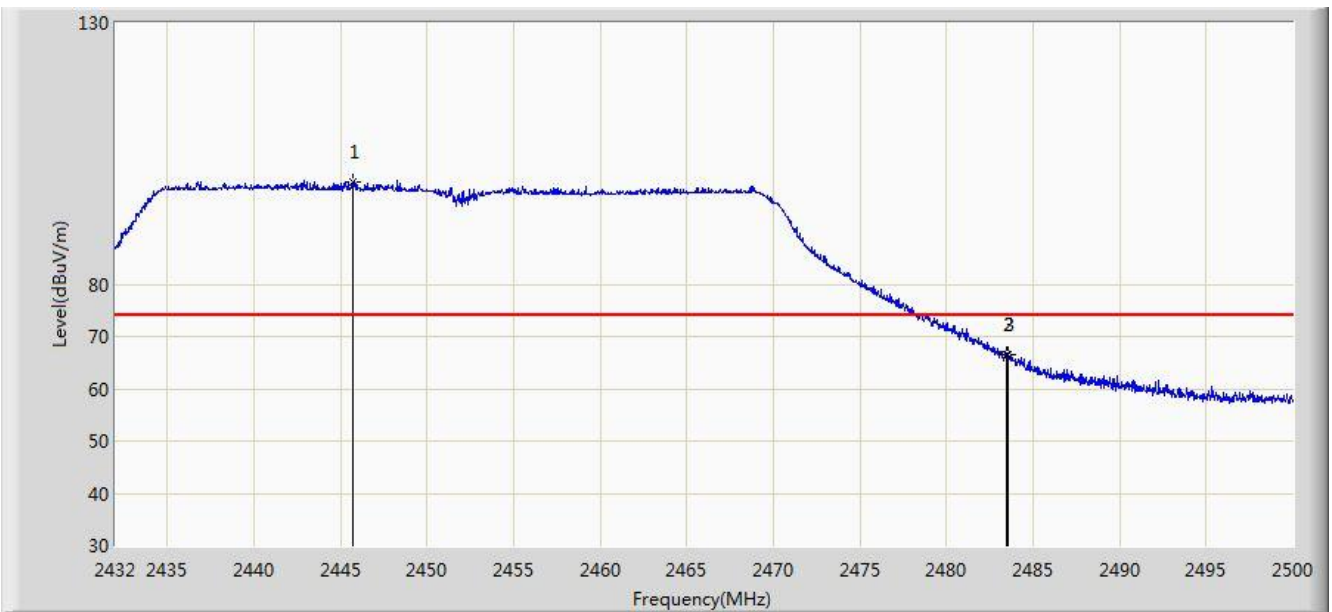


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2444.512	75.194	44.084	N/A	N/A	31.110	AV
2			2483.500	44.706	13.513	-9.294	54.000	31.194	AV

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: 2017/07/26 - 03:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0	

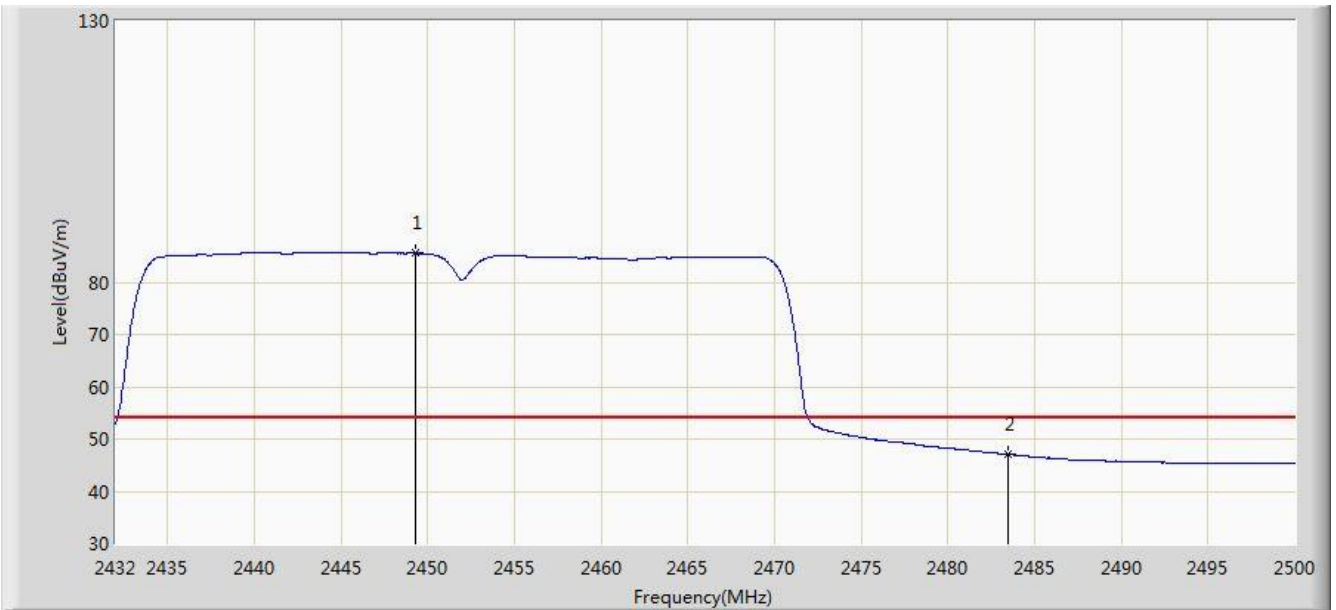


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2445.702	99.585	68.477	N/A	N/A	31.108	PK
2			2483.500	66.387	35.194	-7.613	74.000	31.194	PK
3			2483.544	66.459	35.266	-7.541	74.000	31.194	PK

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: 2017/07/26 - 03:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0	

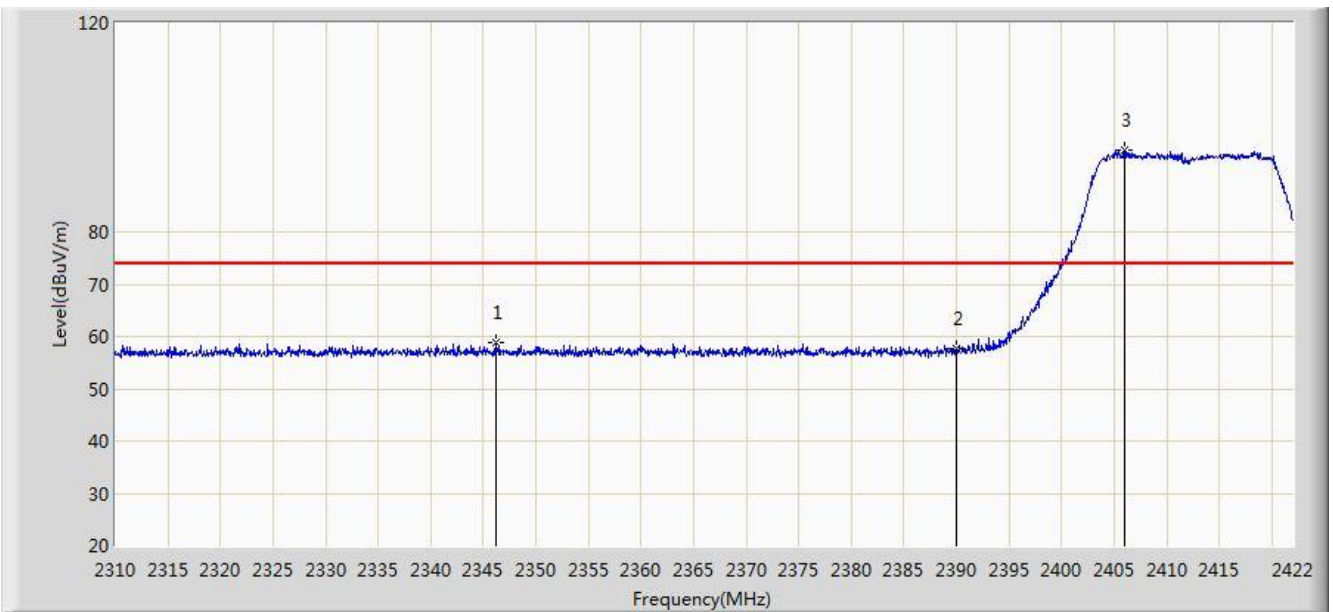


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.306	85.533	54.420	N/A	N/A	31.113	AV
2			2483.500	47.037	15.844	-6.963	54.000	31.194	AV

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: 2017/08/18 - 02:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1	



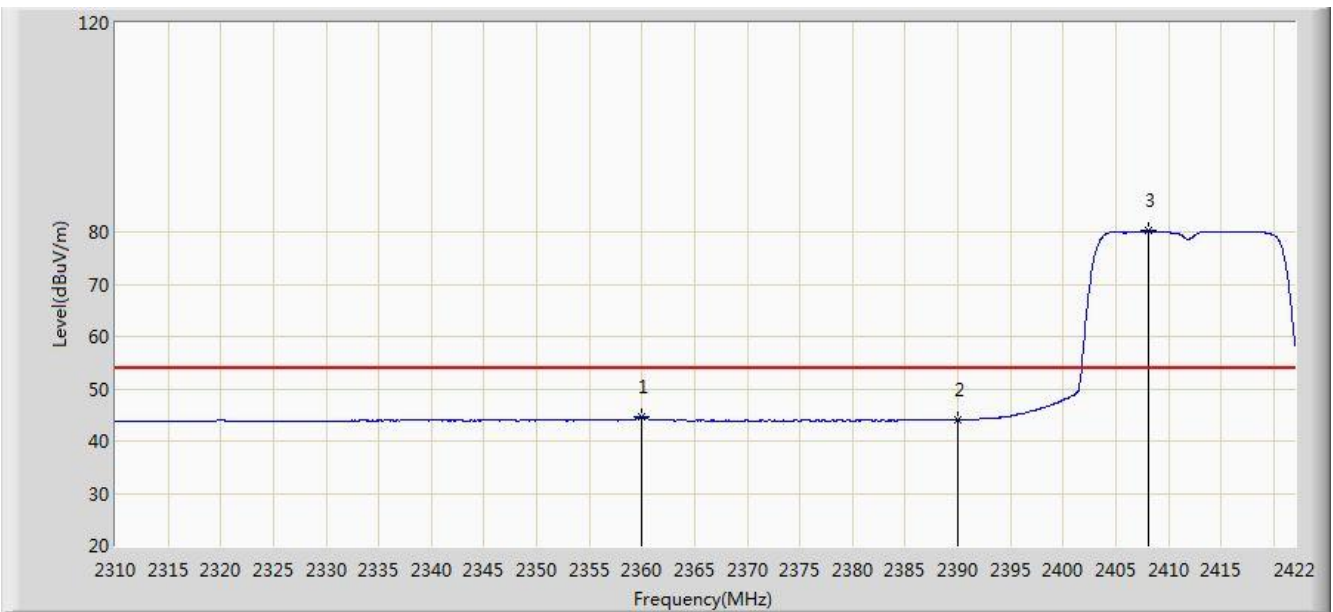
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2346.176	58.817	27.510	-15.183	74.000	31.306	PK
2			2390.000	57.563	26.360	-16.437	74.000	31.203	PK
3		*	2405.984	95.760	64.582	N/A	N/A	31.179	PK

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: 2017/08/18 - 02:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1	

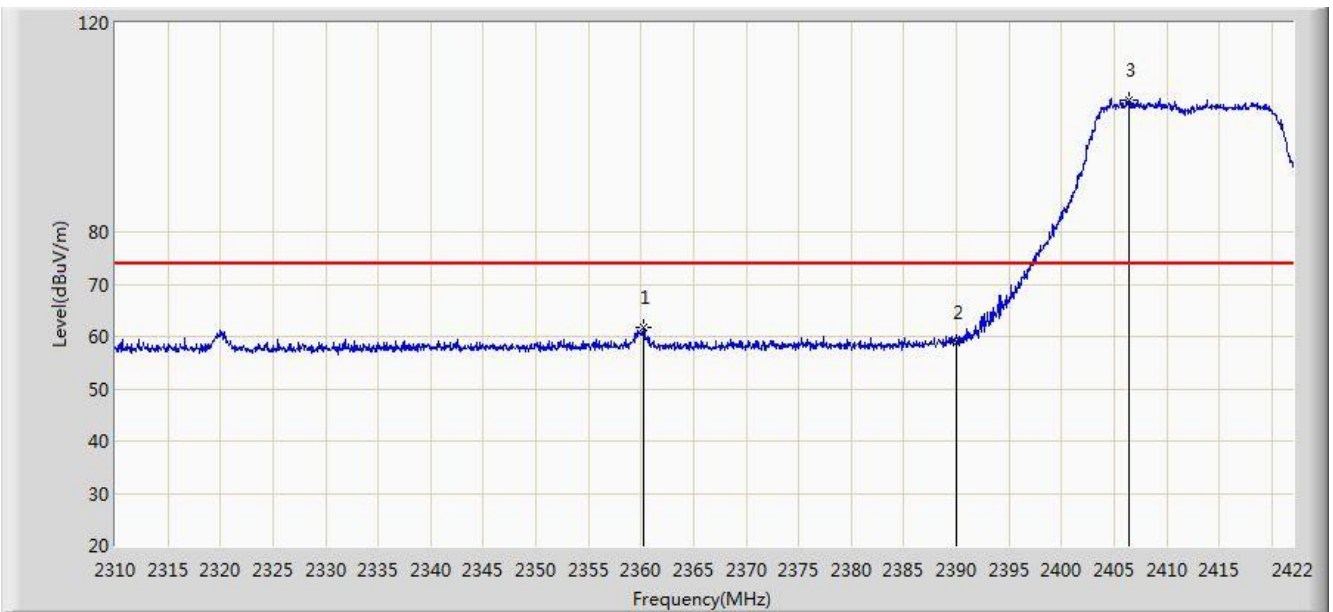


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2359.952	44.591	13.332	-9.409	54.000	31.259	AV
2			2390.000	44.122	12.919	-9.878	54.000	31.203	AV
3		*	2408.168	80.171	48.996	N/A	N/A	31.175	AV

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: 2017/08/18 - 02:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1	

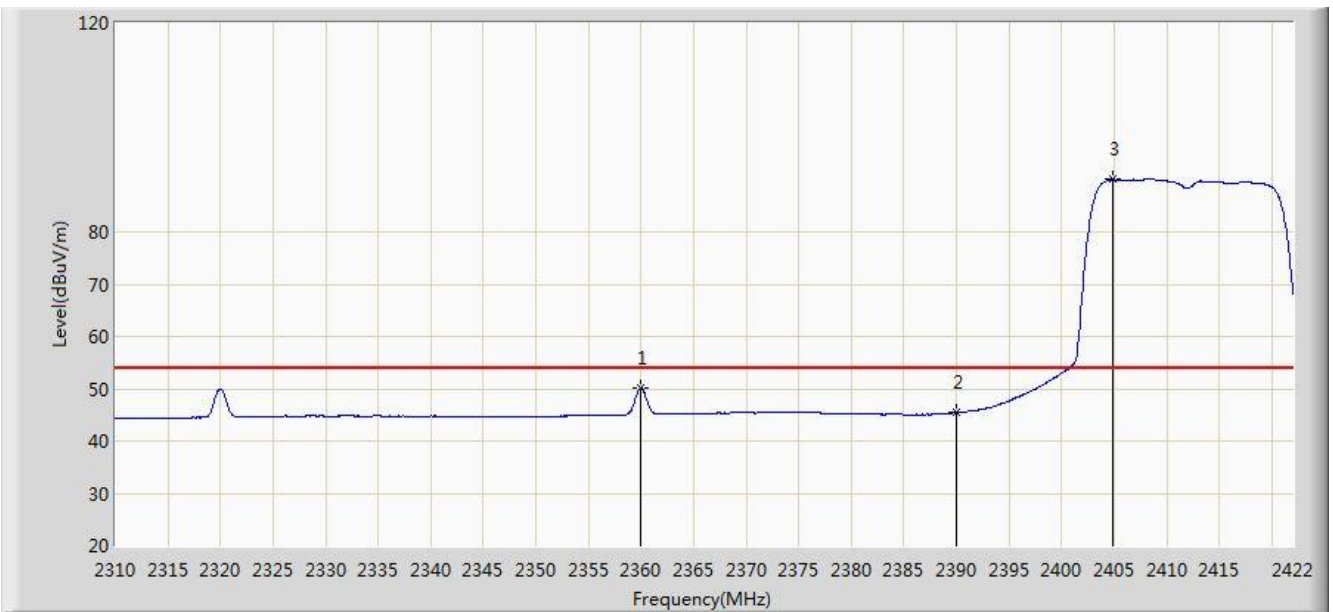


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.176	61.685	30.427	-12.315	74.000	31.258	PK
2			2390.000	58.890	27.687	-15.110	74.000	31.203	PK
3		*	2406.488	105.094	73.916	N/A	N/A	31.177	PK

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: 2017/08/18 - 02:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Ant 0 + 1	

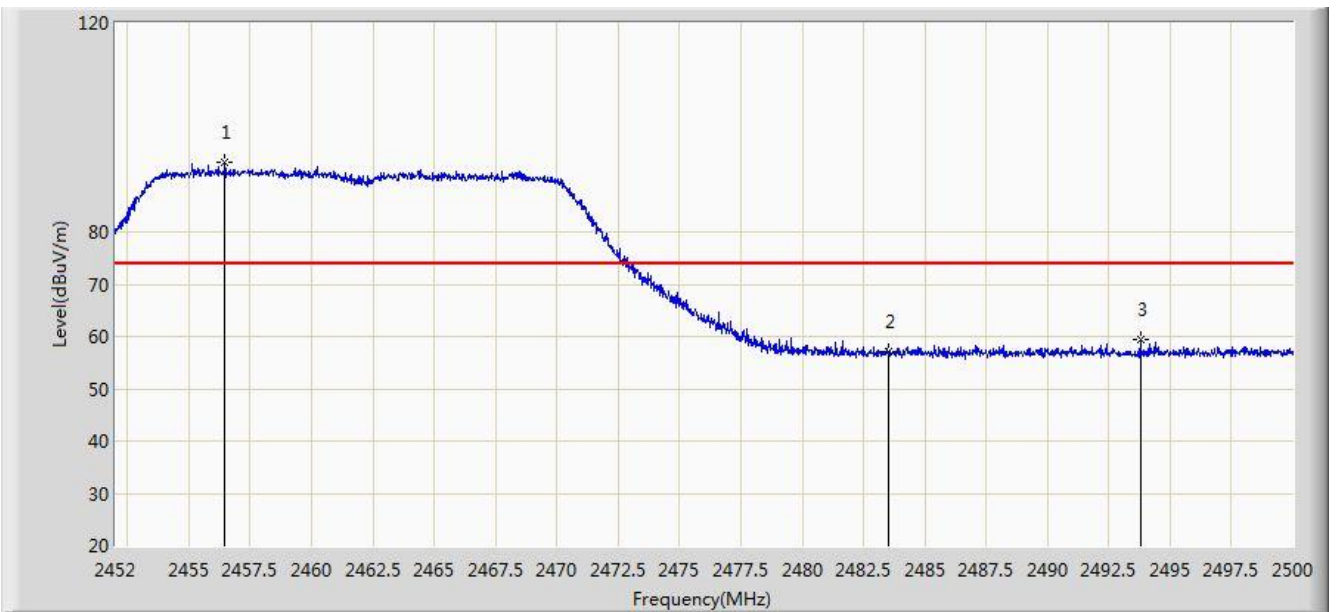


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2359.952	50.049	18.790	-3.951	54.000	31.259	AV
2			2390.000	45.395	14.192	-8.605	54.000	31.203	AV
3		*	2404.864	90.046	58.866	N/A	N/A	31.181	AV

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: 2017/08/18 - 02:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1	

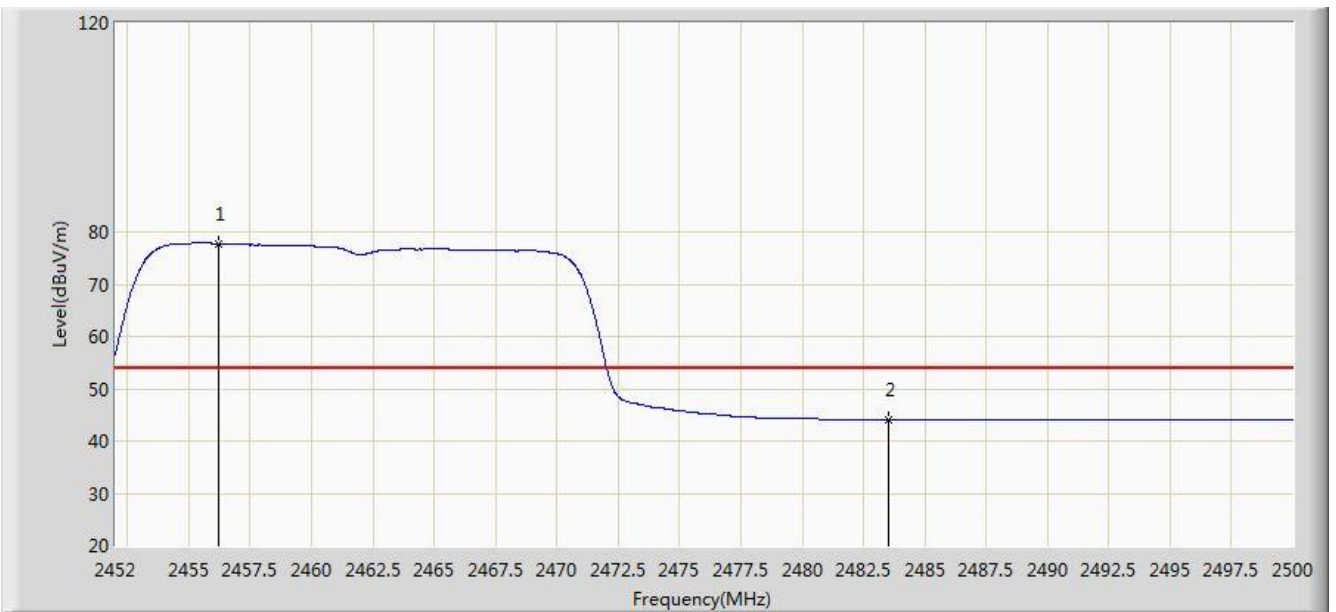


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.464	93.204	62.079	N/A	N/A	31.125	PK
2			2483.500	57.164	25.971	-16.836	74.000	31.194	PK
3			2493.784	59.394	28.174	-14.606	74.000	31.220	PK

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: 2017/08/18 - 02:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1	

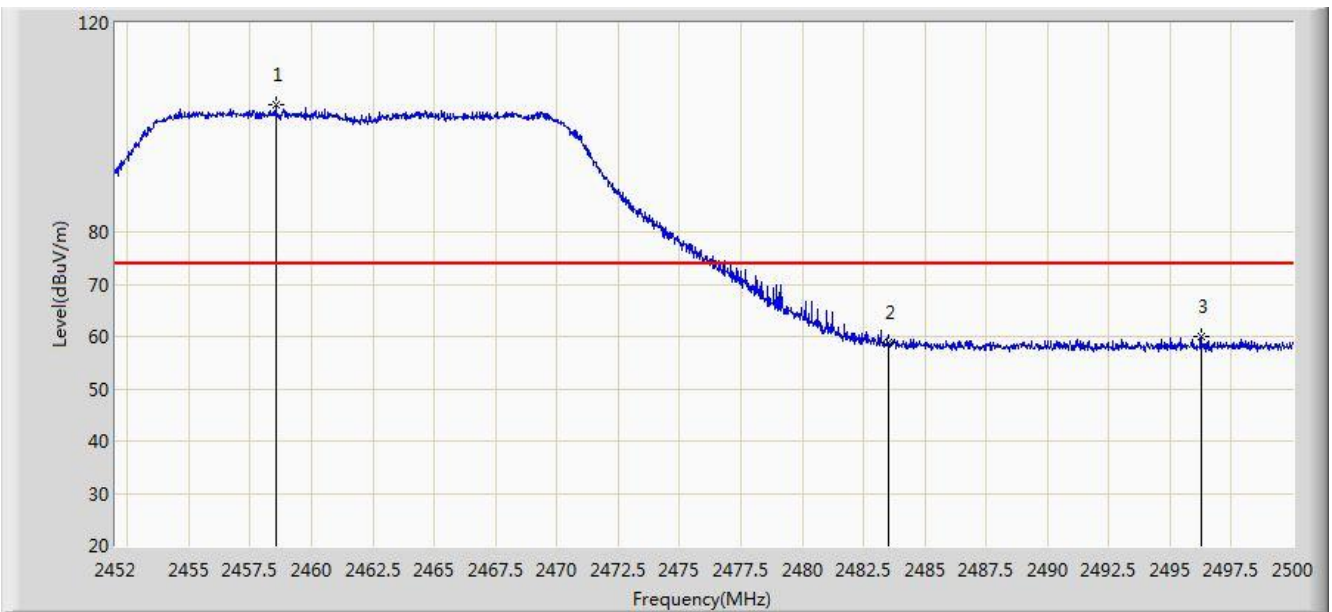


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.224	77.784	46.659	N/A	N/A	31.125	AV
2			2483.500	44.010	12.817	-9.990	54.000	31.194	AV

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: 2017/08/18 - 02:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1	

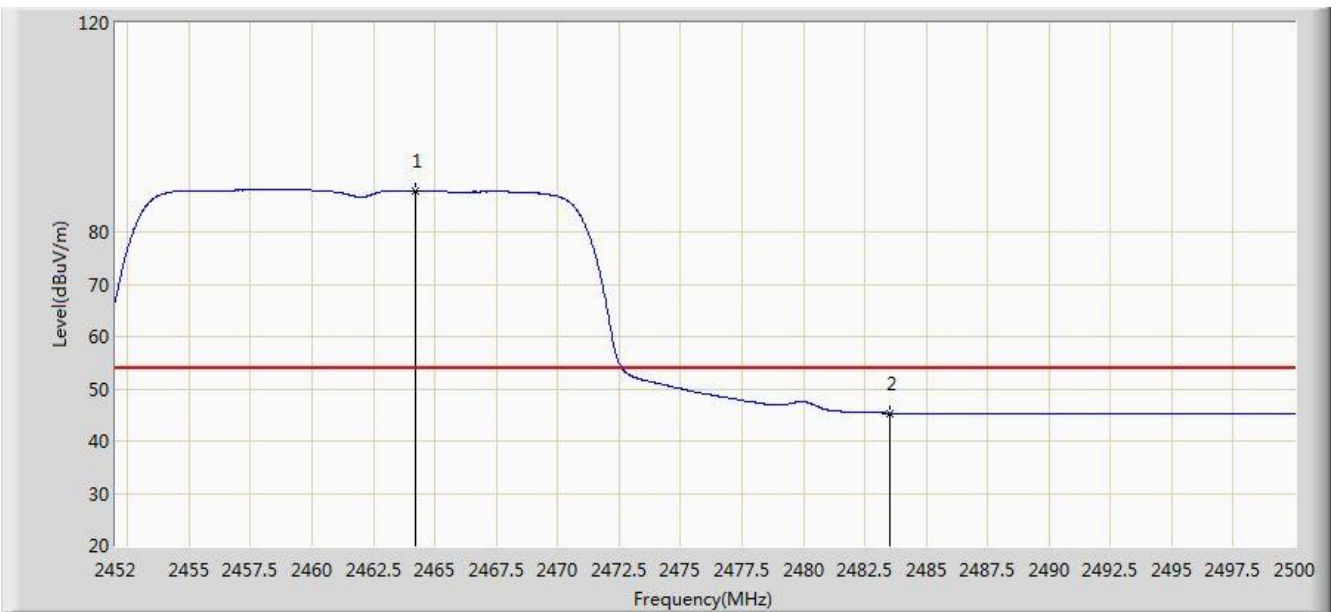


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.528	104.231	73.102	N/A	N/A	31.129	PK
2			2483.500	58.859	27.666	-15.141	74.000	31.194	PK
3			2496.256	59.869	28.642	-14.131	74.000	31.227	PK

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

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

Site: AC1	Time: 2017/08/18 - 02:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Ant 0 + 1	

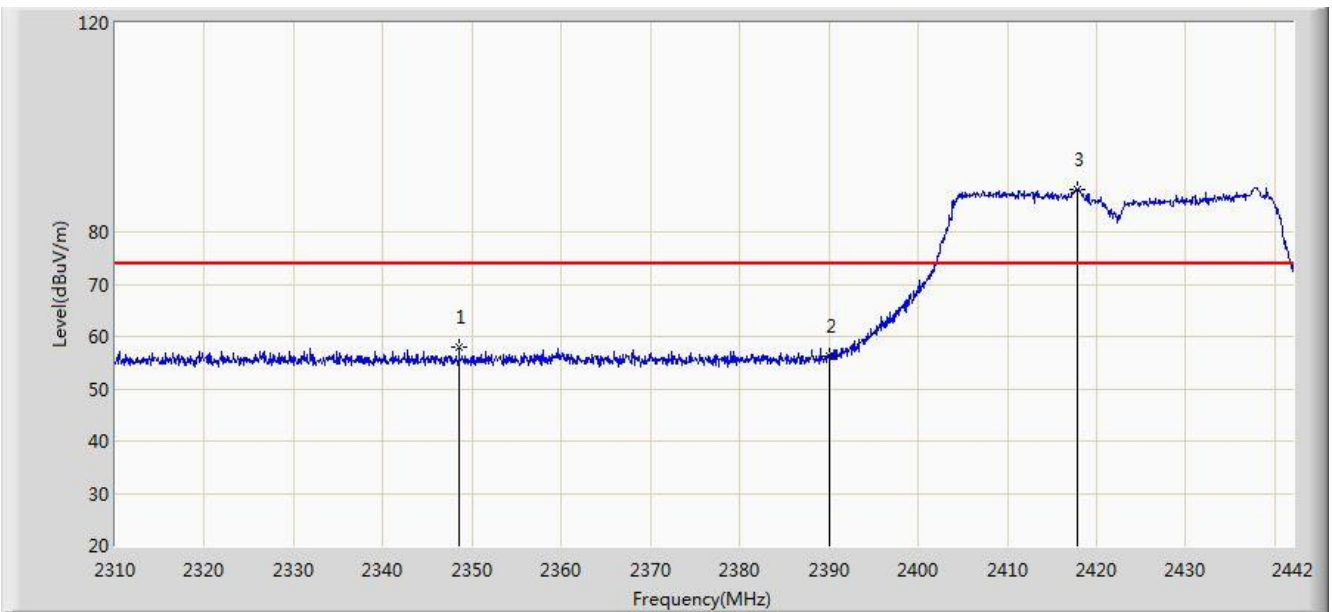


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.216	87.893	56.753	N/A	N/A	31.140	AV
2			2483.500	45.346	14.153	-8.654	54.000	31.194	AV

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: 2017/08/18 - 02:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0 + 1	



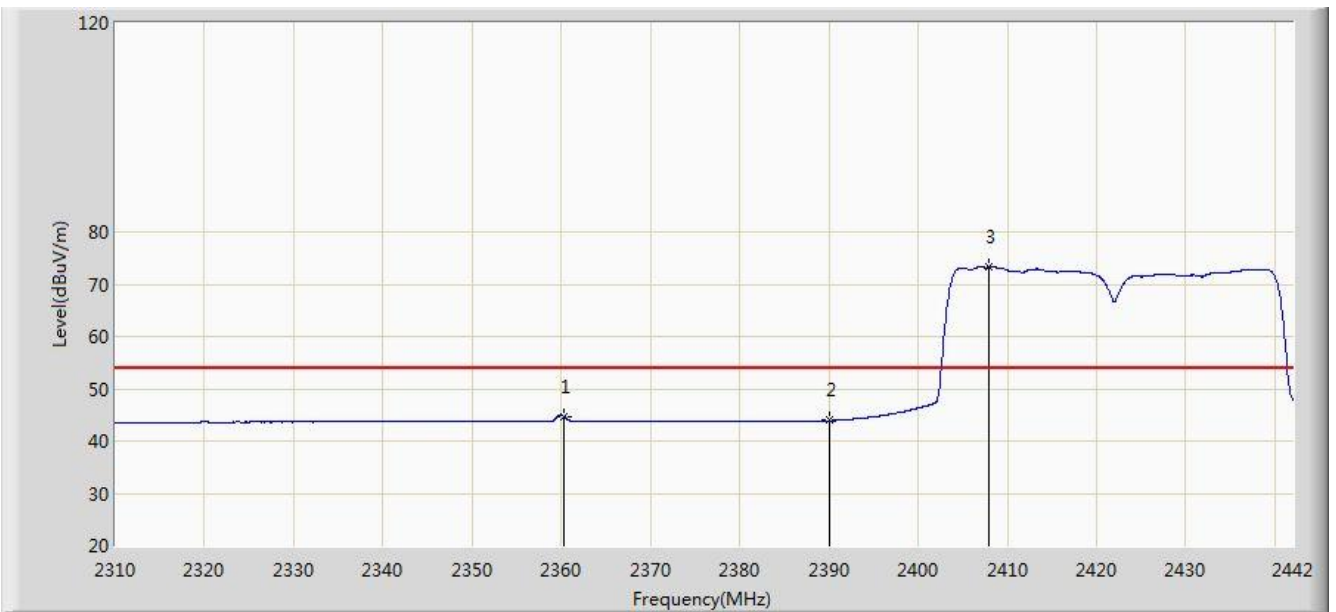
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2348.544	57.832	26.534	-16.168	74.000	31.298	PK
2			2390.000	56.145	24.942	-17.855	74.000	31.203	PK
3		*	2417.910	88.252	57.093	N/A	N/A	31.159	PK

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

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



Site: AC1	Time: 2017/08/18 - 02:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0 + 1	

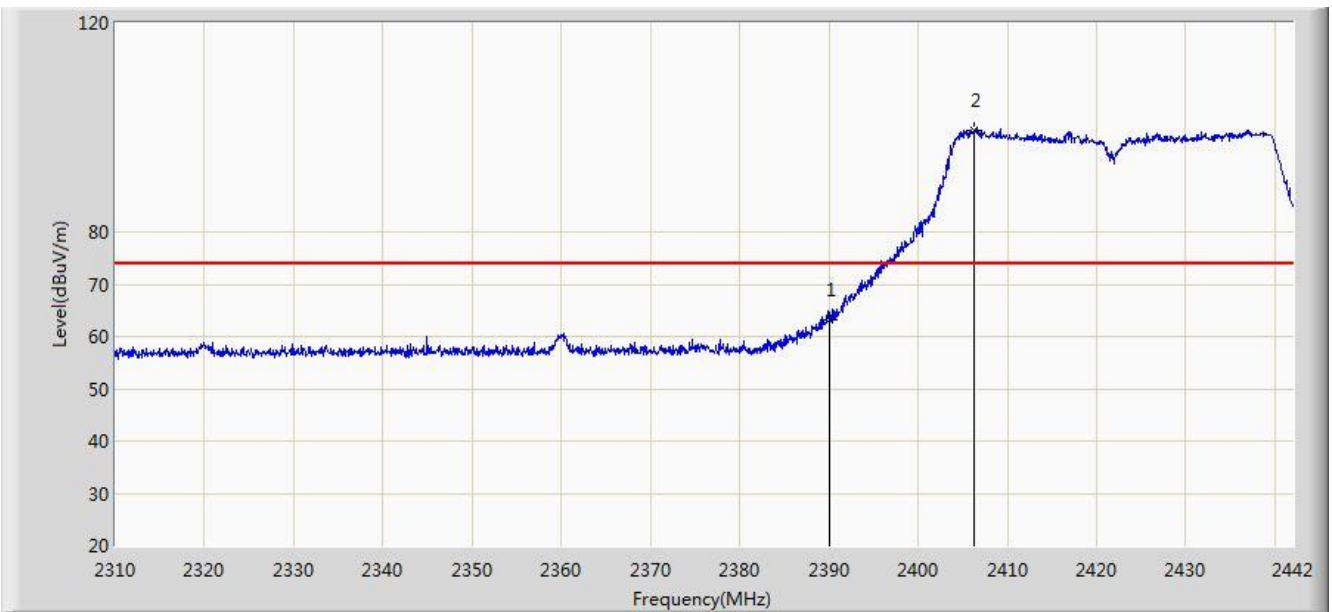


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.226	44.748	13.490	-9.252	54.000	31.258	AV
2			2390.000	43.917	12.714	-10.083	54.000	31.203	AV
3		*	2407.878	73.278	42.102	N/A	N/A	31.176	AV

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: 2017/08/18 - 02:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0 + 1	

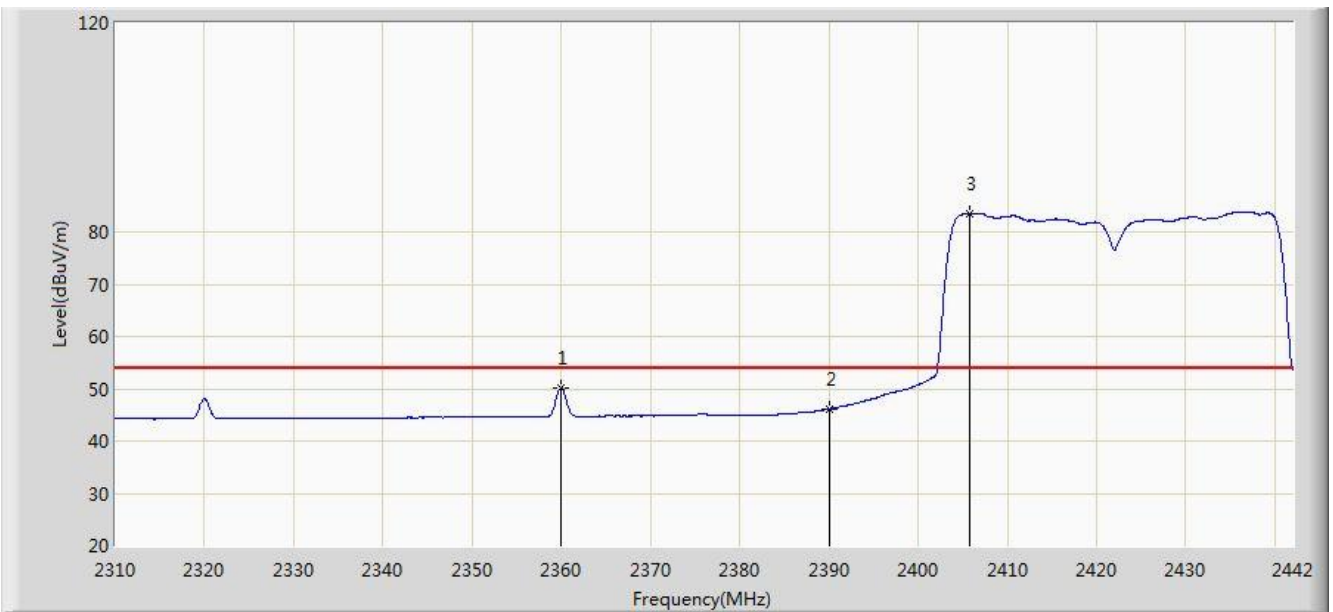


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	63.164	31.961	-10.836	74.000	31.203	PK
2		*	2406.228	99.414	68.236	N/A	N/A	31.178	PK

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: 2017/08/18 - 02:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Ant 0 + 1	

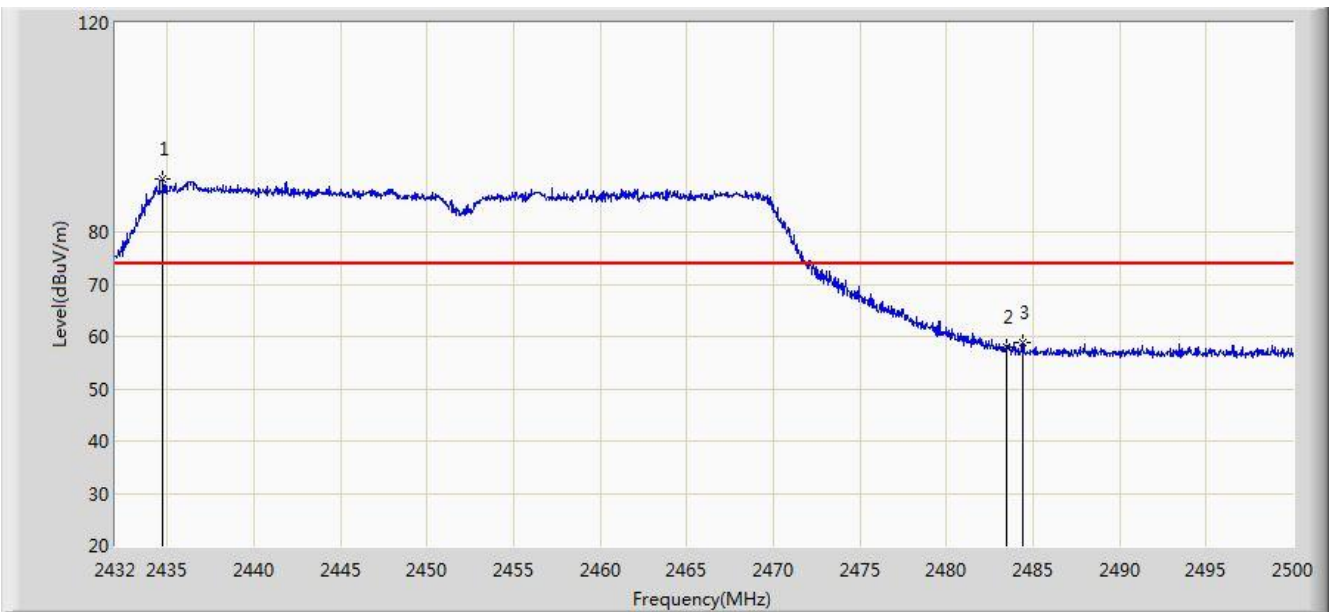


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.028	50.149	18.890	-3.851	54.000	31.259	AV
2			2390.000	46.114	14.911	-7.886	54.000	31.203	AV
3		*	2405.832	83.547	52.368	N/A	N/A	31.179	AV

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: 2017/08/18 - 02:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

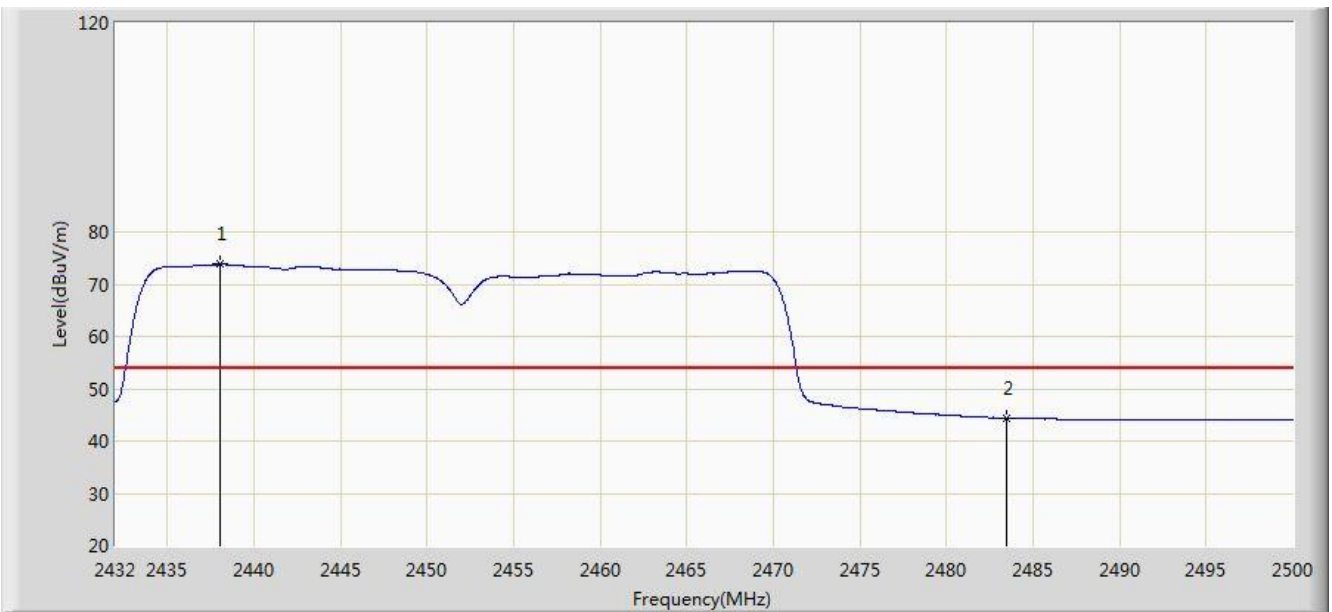


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2434.754	90.153	59.024	N/A	N/A	31.129	PK
2			2483.500	57.926	26.733	-16.074	74.000	31.194	PK
3			2484.394	58.939	27.743	-15.061	74.000	31.195	PK

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: 2017/08/18 - 02:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

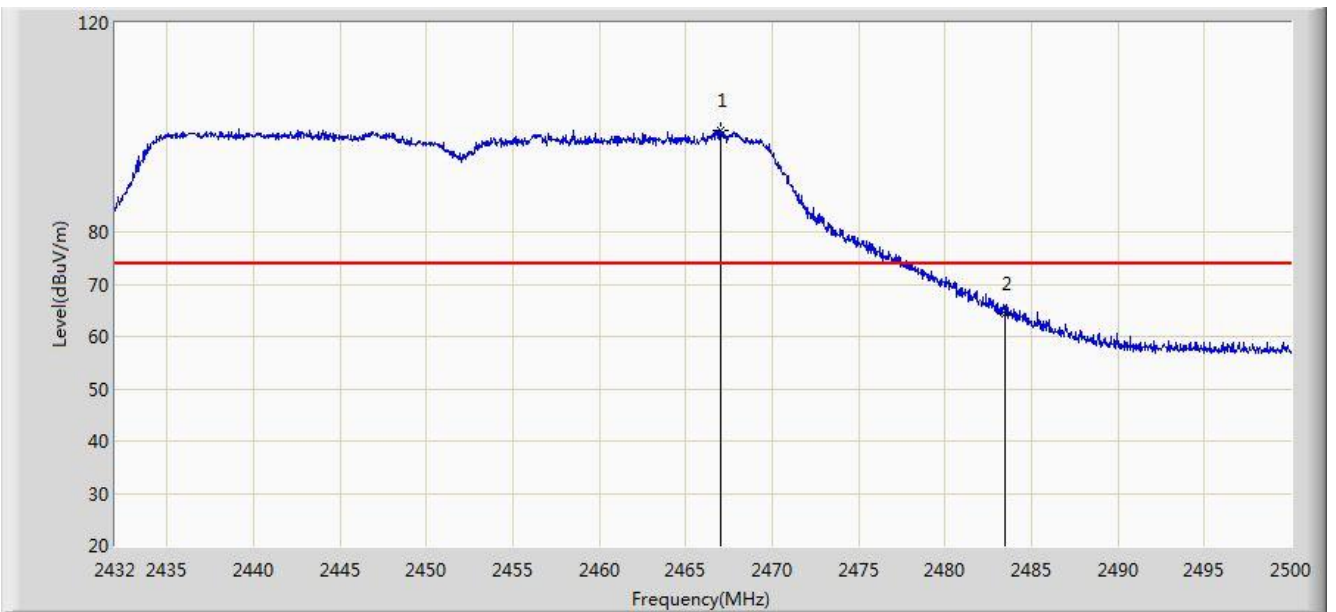


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2438.086	73.791	42.669	N/A	N/A	31.122	AV
2			2483.500	44.390	13.197	-9.610	54.000	31.194	AV

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: 2017/08/18 - 02:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

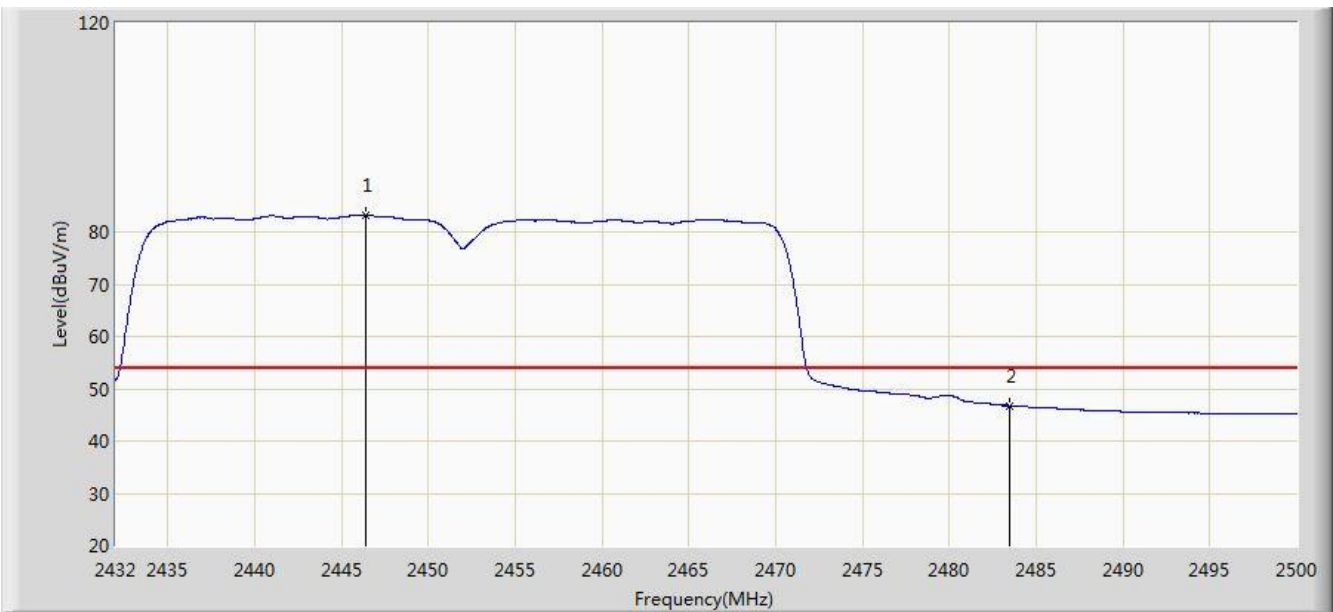


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.986	99.370	68.222	N/A	N/A	31.148	PK
2			2483.500	64.205	33.012	-9.795	74.000	31.194	PK

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: 2017/08/18 - 02:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Vince Yu
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
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		*	2446.416	83.202	52.094	N/A	N/A	31.107	AV
2			2483.500	46.695	15.502	-7.305	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)

## 7.8. AC Conducted Emissions Measurement

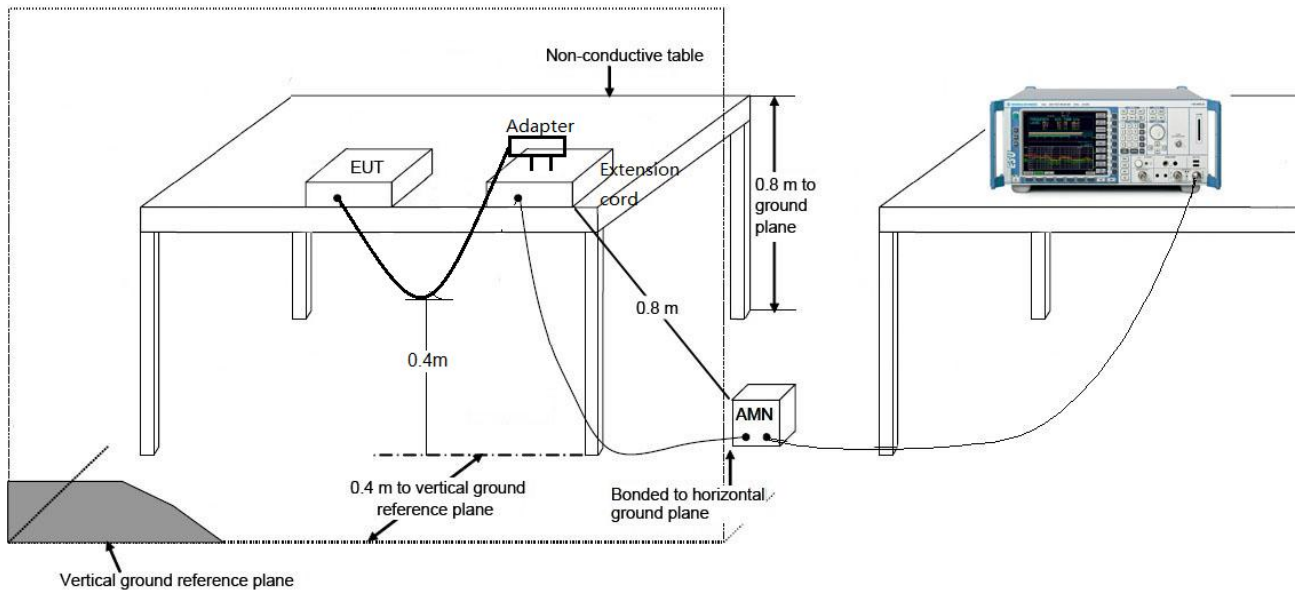
### 7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

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

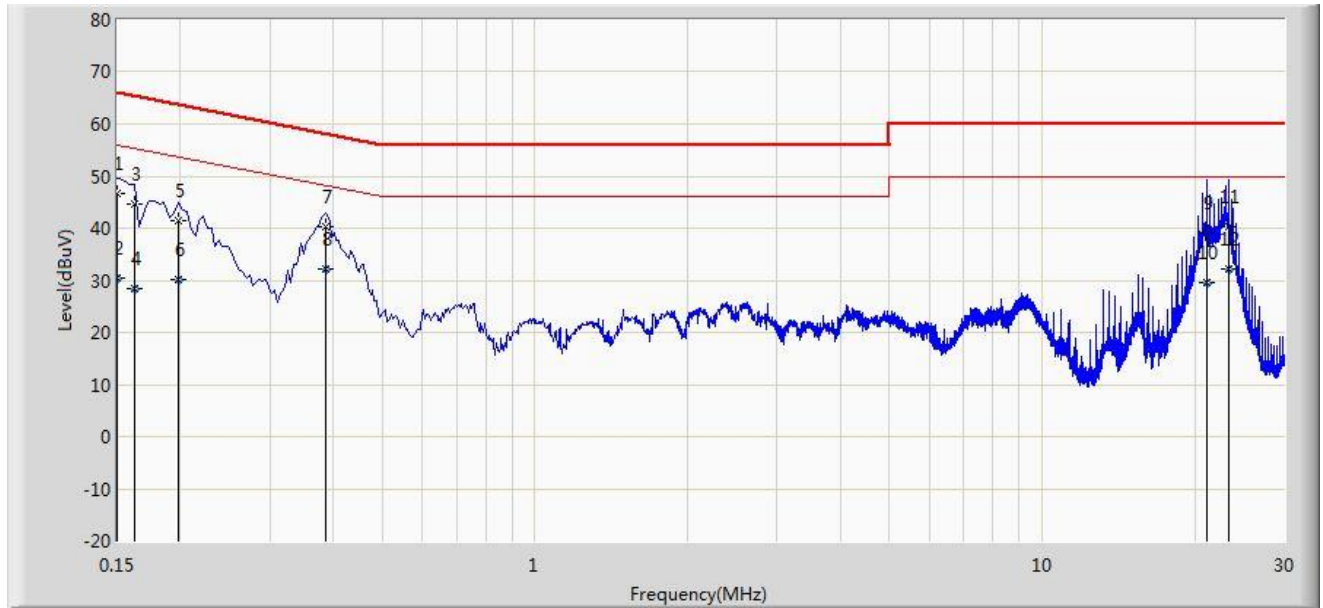
### 7.8.2. Test Setup





### 7.8.3. Test Result

Site: SR2	Time: 2017/08/02 - 16:37
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Mode 1	

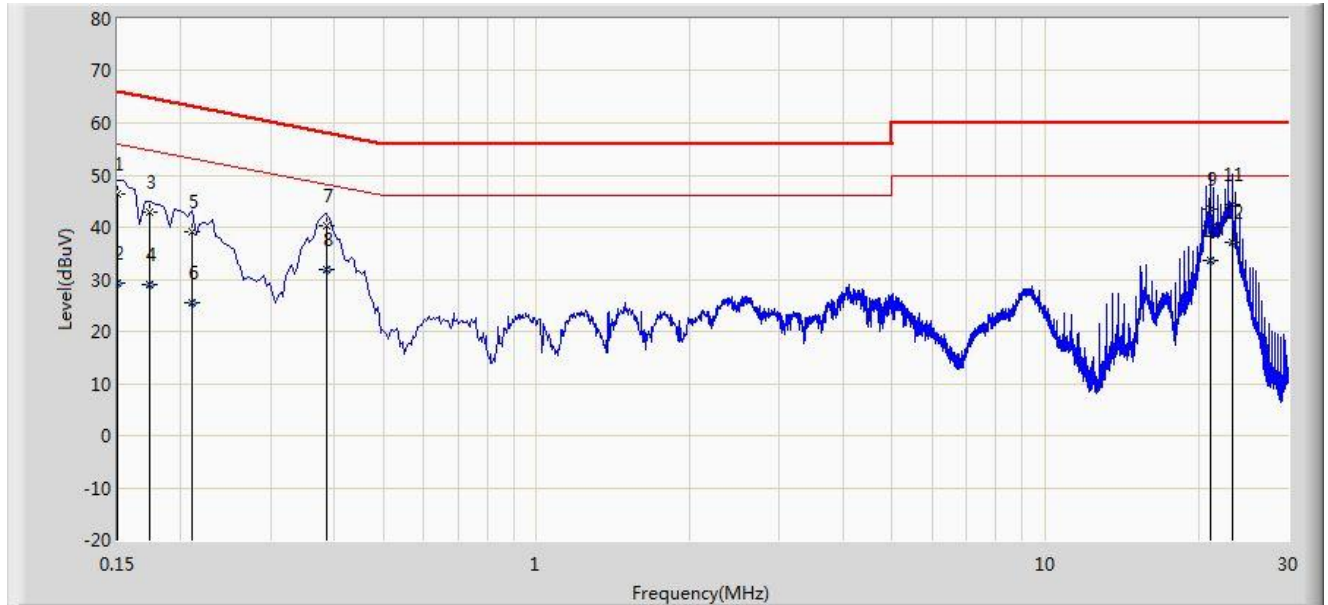


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	46.708	35.539	-19.292	66.000	11.168	QP
2			0.150	30.484	19.315	-25.516	56.000	11.168	AV
3			0.162	44.601	34.504	-20.760	65.361	10.097	QP
4			0.162	28.376	18.279	-26.985	55.361	10.097	AV
5			0.198	41.325	31.320	-22.369	63.694	10.005	QP
6			0.198	30.203	20.198	-23.491	53.694	10.005	AV
7			0.386	40.214	30.140	-17.936	58.149	10.074	QP
8		*	0.386	32.235	22.161	-15.915	48.149	10.074	AV
9			21.078	39.082	28.938	-20.918	60.000	10.144	QP
10			21.078	29.438	19.294	-20.562	50.000	10.144	AV
11			23.338	40.409	30.225	-19.591	60.000	10.184	QP
12			23.338	32.128	21.944	-17.872	50.000	10.184	AV

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

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

Site: SR2	Time: 2017/08/02 - 16:42
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	46.271	35.129	-19.729	66.000	11.142	QP
2			0.150	29.417	18.275	-26.583	56.000	11.142	AV
3			0.174	42.935	32.879	-21.832	64.767	10.057	QP
4			0.174	28.980	18.923	-25.787	54.767	10.057	AV
5			0.210	39.149	29.154	-24.057	63.205	9.995	QP
6			0.210	25.584	15.589	-27.622	53.205	9.995	AV
7			0.386	40.242	30.140	-17.907	58.149	10.102	QP
8			0.386	31.864	21.762	-16.286	48.149	10.102	AV
9			21.054	43.352	33.165	-16.648	60.000	10.187	QP
10			21.054	33.528	23.341	-16.472	50.000	10.187	AV
11			23.310	44.414	34.158	-15.586	60.000	10.256	QP
12		*	23.310	37.019	26.763	-12.981	50.000	10.256	AV

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

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

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **WIRELESS ACCESS POINT**

**FCC ID: TK4MMN344VX** is in compliance with Part 15C of the FCC Rules.

————— The End —————