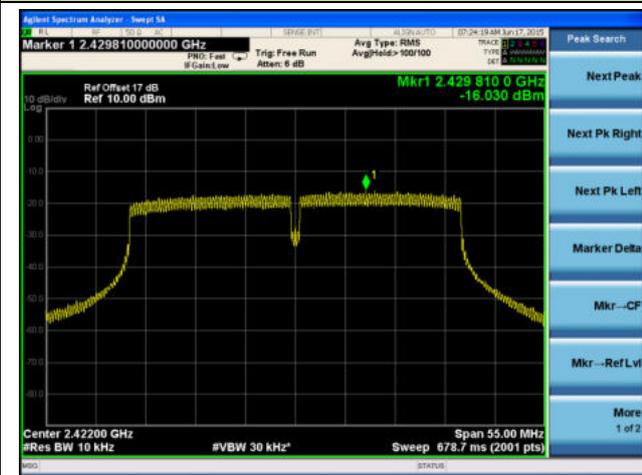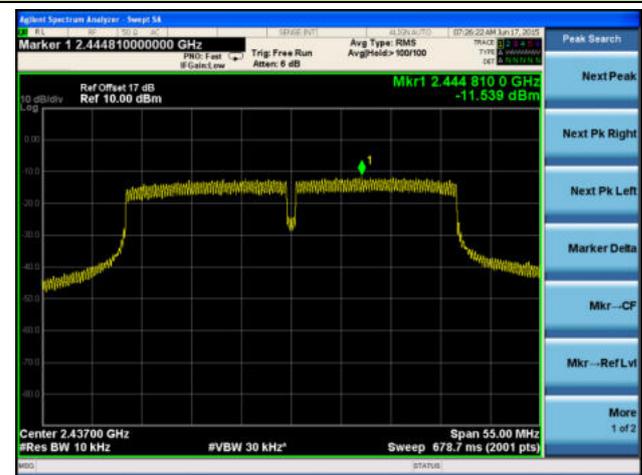## 802.11n-HT40 PSD - Ant 1 / Ant 0 + 1
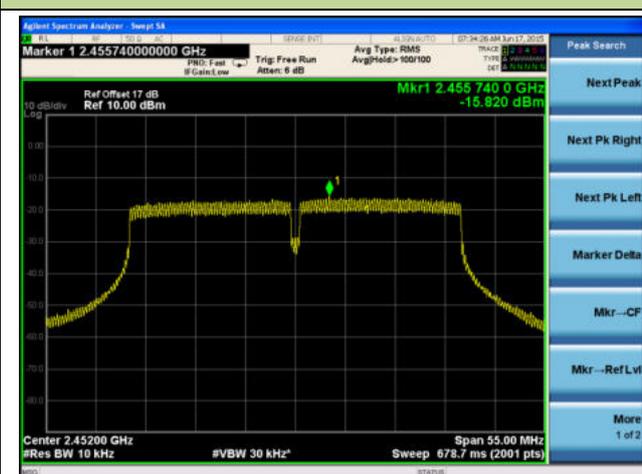
### Channel 03 (2422MHz)



### Channel 06 (2437MHz)



### Channel 09 (2452MHz)

## 7.5.  Conducted Band Edge and Out-of-Band Emissions

### 7.5.1.  Test Limit

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental

emission level, as determined from the in-band power measurement of the DTS channel

performed in a 100 kHz bandwidth per the PSD procedure.

If the transmitter complies with the conducted power limits based on the use of RMS averaging

over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### 7.5.2.  Test Procedure Used

KDB 558074 D01v03r02 - Section 11.2 & Section 11.3

### 7.5.3.  Test Settitng

**1. Reference level measurement**

(a)  Set instrument center frequency to DTS channel center frequency

(b)  Set the span to ≥ 1.5 times the DTS bandwidth

(c)  Set the RBW = 100 kHz

(d)  Set the VBW ≥ 3 x RBW

(e)  Detector = peak

(f)  Sweep time = auto couple

(g)  Trace mode = max hold

(h)  Allow trace to fully stabilize

**2. Emission level measurement**

(a) Set the center frequency and span to encompass frequency range to be measured

(b)  RBW = 100kHz

(c)  VBW = 300kHz

(d)  Detector = Peak

(e)  Trace mode = max hold

(f)  Sweep time = auto couple

(g)  The trace was allowed to stabilize

### 7.5.4.  Test Setup
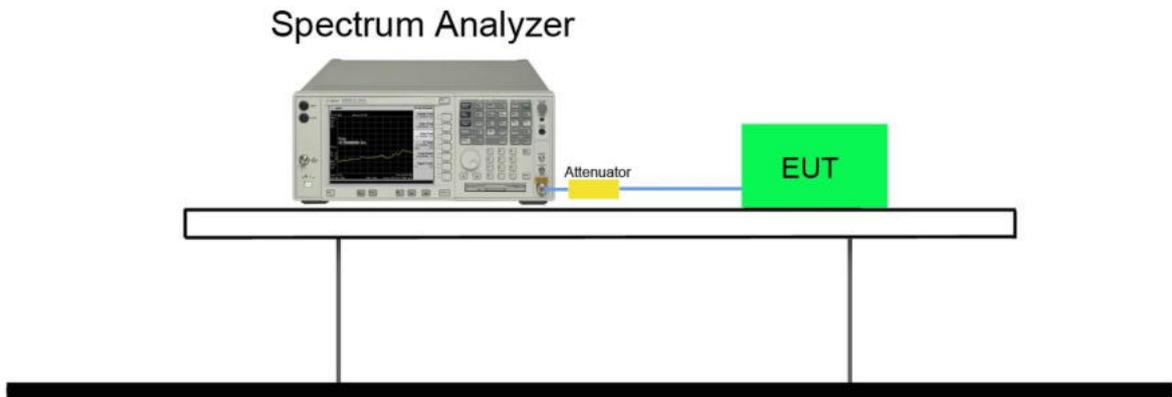
### 7.5.5. Test Result

| Test Mode | Data Rate (Mbps) | Channel No. | Frequency (MHz) | Limit | Result |
|---|---|---|---|---|---|
| 802.11b | 1 | 01 | 2412 | 30dBc | Pass |
| 802.11b | 1 | 06 | 2437 | 30dBc | Pass |
| 802.11b | 1 | 11 | 2462 | 30dBc | Pass |
| 802.11g | 6 | 01 | 2412 | 30dBc | Pass |
| 802.11g | 6 | 06 | 2437 | 30dBc | Pass |
| 802.11g | 6 | 11 | 2462 | 30dBc | Pass |
| 802.11n-HT20 | 13 | 01 | 2412 | 30dBc | Pass |
| 802.11n-HT20 | 13 | 06 | 2437 | 30dBc | Pass |
| 802.11n-HT20 | 13 | 11 | 2462 | 30dBc | Pass |
| 802.11n-HT40 | 27 | 03 | 2422 | 30dBc | Pass |
| 802.11n-HT40 | 27 | 06 | 2437 | 30dBc | Pass |
| 802.11n-HT40 | 27 | 09 | 2452 | 30dBc | Pass |

Note 1: Conducted Band Edge and Out-of-Band Emissions are measured at ant 0 port, because the ant 0 port has the max power.

Note 2: When the EUT transmit on MIMO mode, the Conducted Band Edge and Out-of-Band Emissions can also satisfy the limit (33dBc below the fundamental emission level). According to the KDB 662911 D01 Multiple Transmitter Output v02r01 Section E) 3) iii), this method is simple and strict for these items.

## 802.11b Out-of-Band Emissions
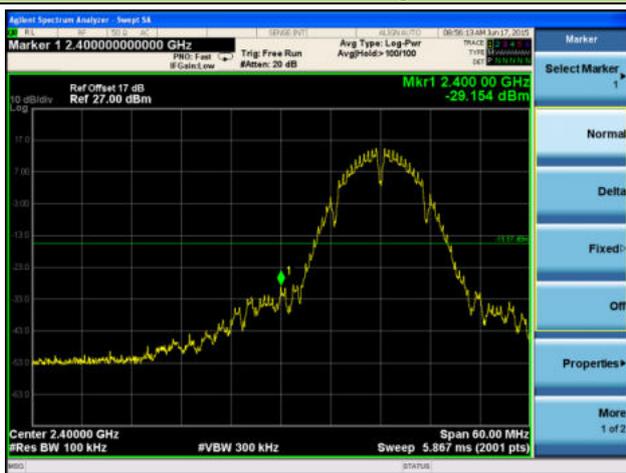
### 100kHz PSD reference Level



### Channel 01 (2412MHz)

| Low Band Edge | Spurious Emission |
|---|---|
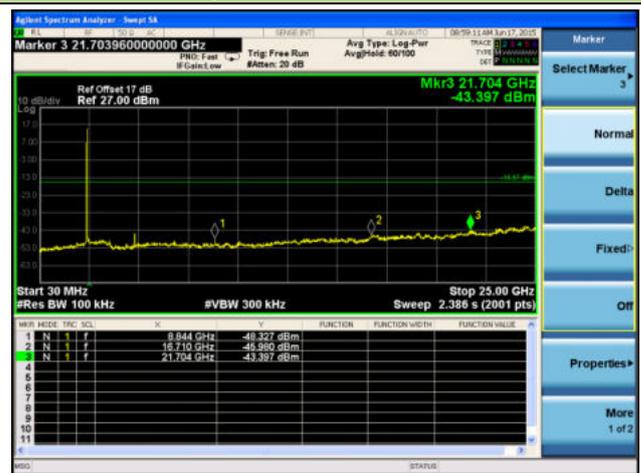


### Channel 06 (2437MHz)
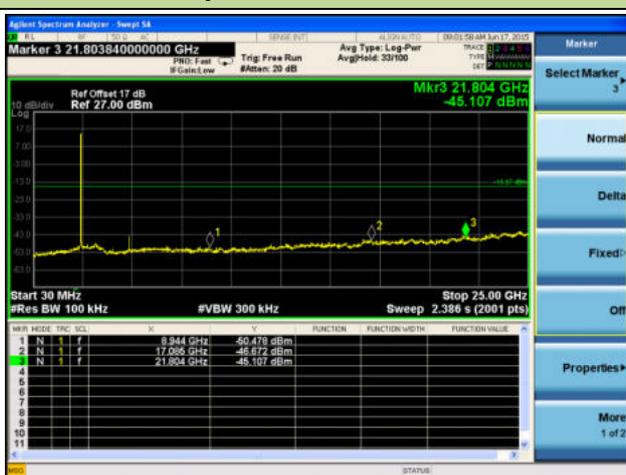
| Spurious Emission | |
|---|---|

## Channel 11 (2462MHz)

| High Band Edge | Spurious Emission |
|---|---|
|  |  |
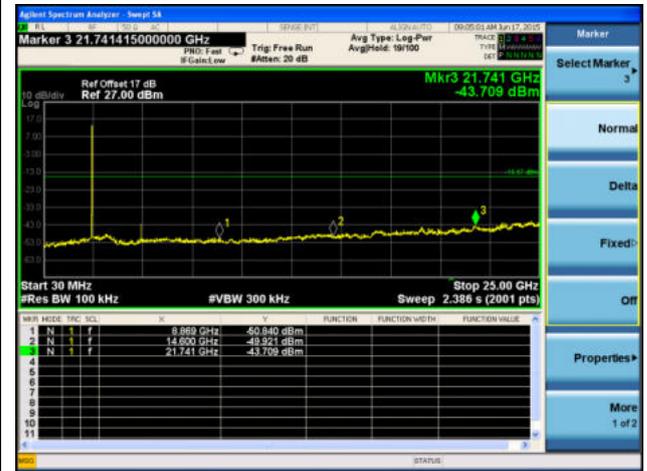
## 802.11g Out-of-Band Emissions
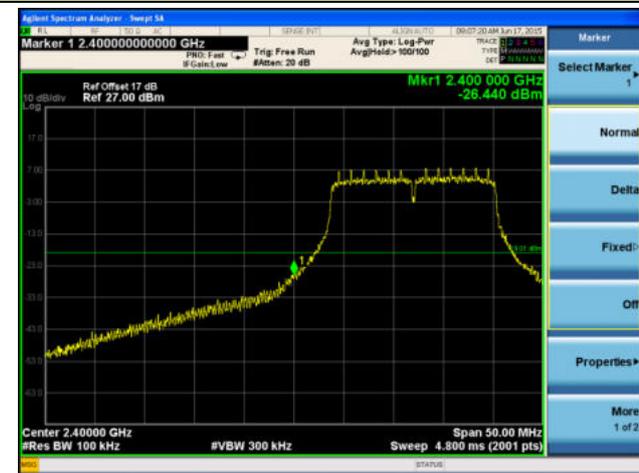
## 100kHz PSD reference Level

| | |
|---|---|
|  | |

## Channel 01 (2412MHz)
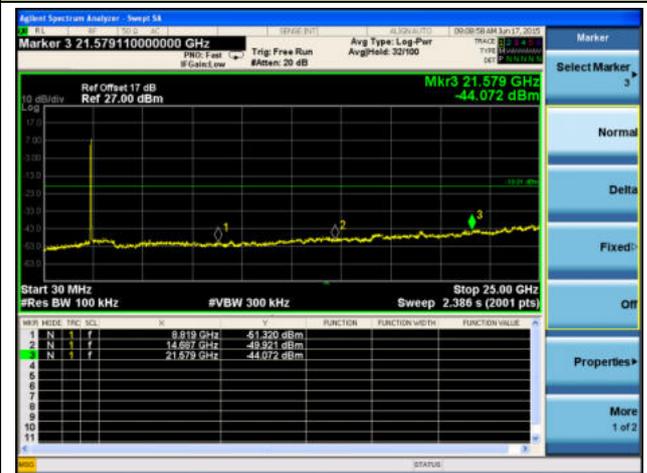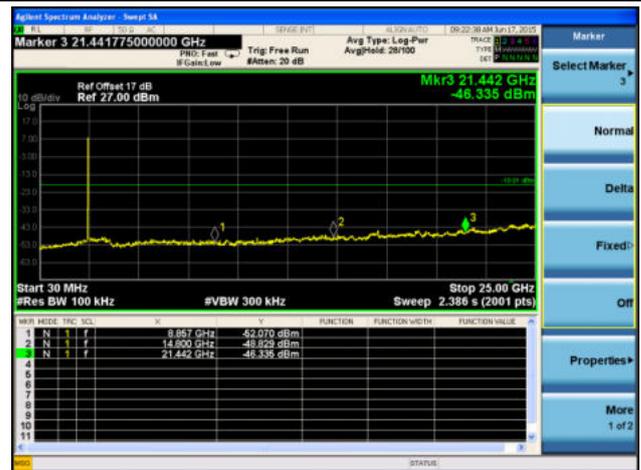
| Low Band Edge | Spurious Emission |
|---|---|
|  |  |

| Channel 06 (2437MHz) | |
|---|---|
| **Spurious Emission** | |
|  | |

| Channel 11 (2462MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |

| 802.11n-HT20 Out-of-Band Emissions | |
|---|---|
| **100kHz PSD reference Level** | |
|  | |

| Channel 01 (2412MHz) | |
|---|---|
| **Low Band Edge** | **Spurious Emission** |
|  |  |

| Channel 06 (2437MHz) | |
|---|---|
| **Spurious Emission** | |
|  | |

| Channel 11 (2462MHz) | |
|---|---|
| **High Band Edge** | **Spurious Emission** |
|  |  |
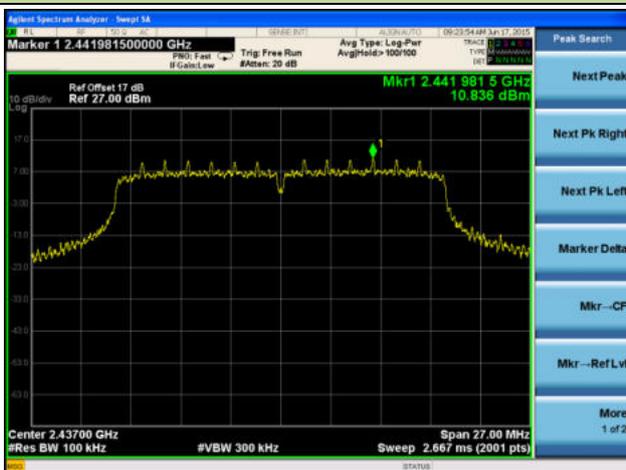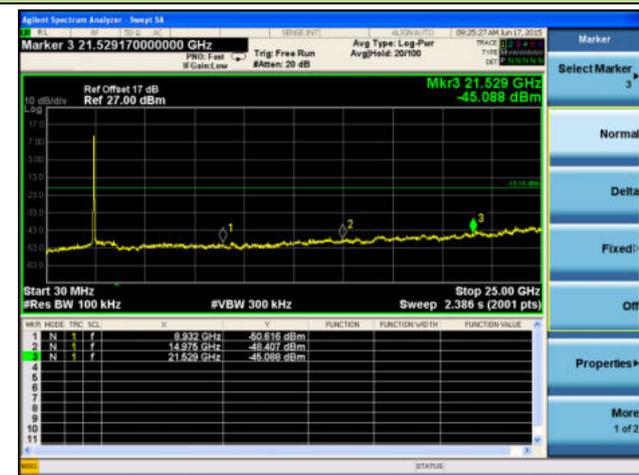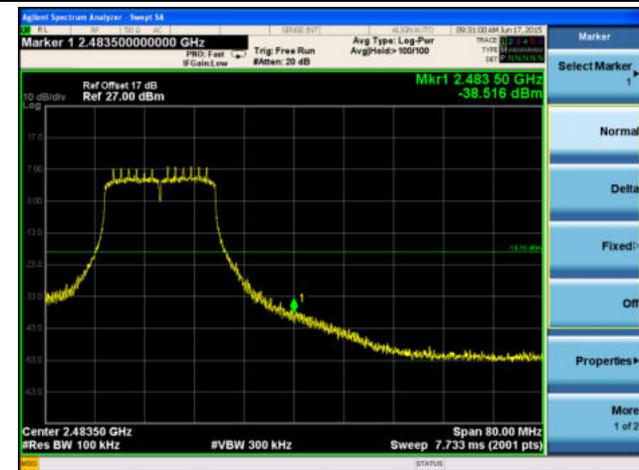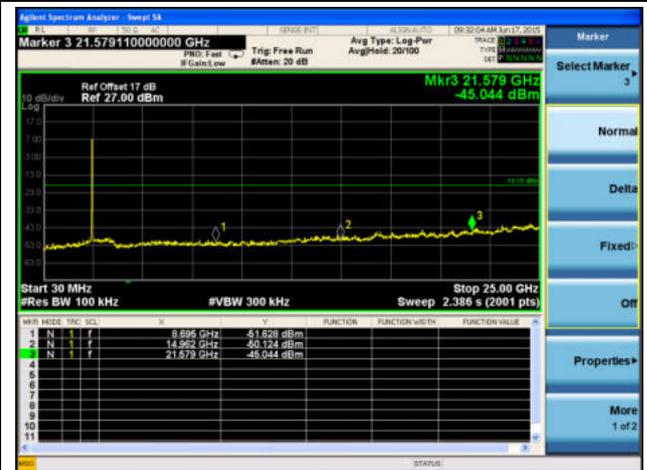
## 802.11n-HT40 Out-of-Band Emissions

### 100kHz PSD reference Level
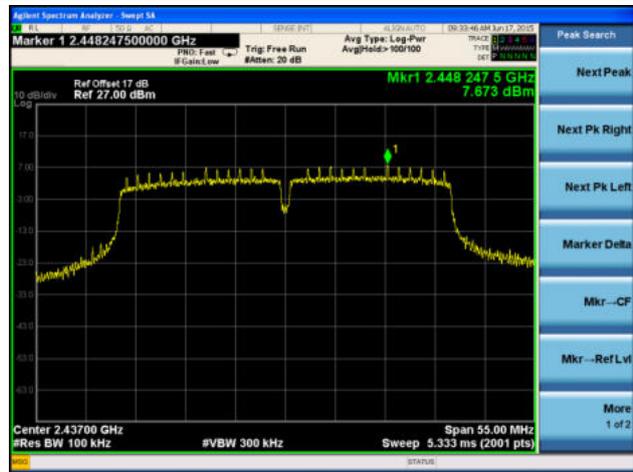


### Channel 03 (2422MHz)

| Low Band Edge | Spurious Emission |
| --- | --- |




### Channel 06 (2437MHz)
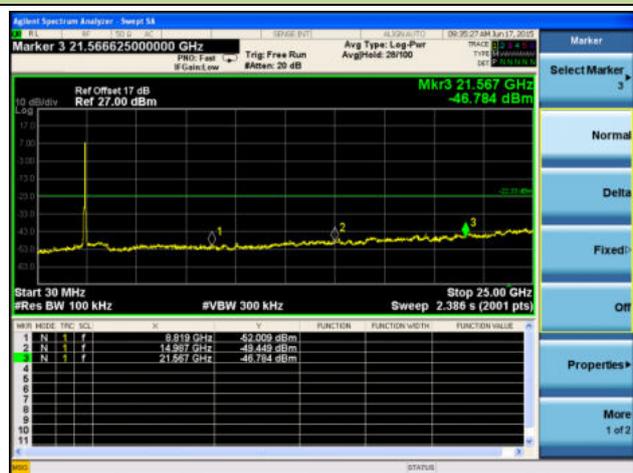
| Spurious Emission | |
| --- | --- |

## Channel 09 (2452MHz)

| High Band Edge | Spurious Emission |
|---|---|
|  |  |

## 7.6. Radiated Spurious Emission Measurement

### 7.6.1. Test Limit

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

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

### 7.6.2. Test Procedure Used

KDB 558074 D01v03r02 – Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v03r02 – Section 12.2.4 (peak power measurements)

KDB 558074 D01v03r02 – Section 12.2.5 (average power measurements)

### 7.6.3. Test Setting

**Peak Field Strength Measurements per Section 12.2.4 of KDB 558074 D01v03r02**

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 per Section 12.2.5.3 of KDB 558074 D01v03r02**

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

2. RBW = 1MHz

3. VBW ≥ 1/T

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

5. Detector = Peak

6. Sweep time = auto

7. Trace mode = max hold

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

### 7.6.4. Test Setup

9kHz ~ 30MHz Test Setup:
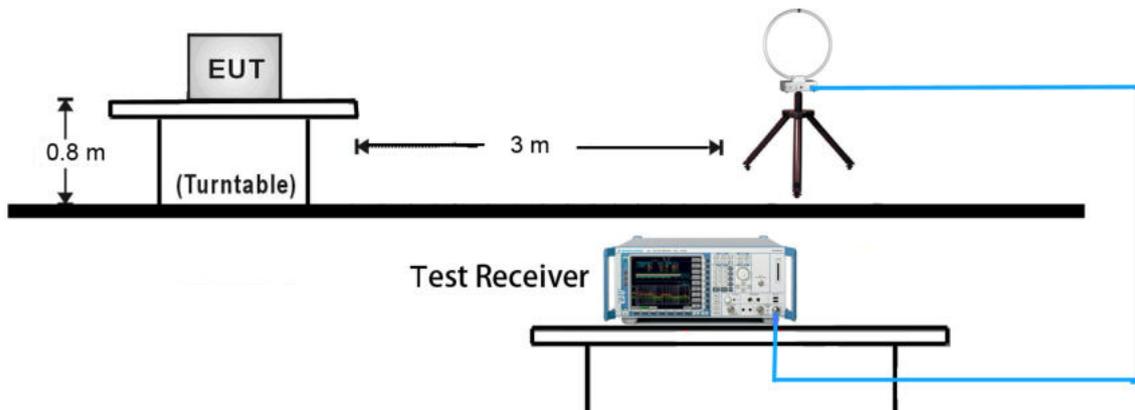


30MHz ~ 1GHz Test Setup:
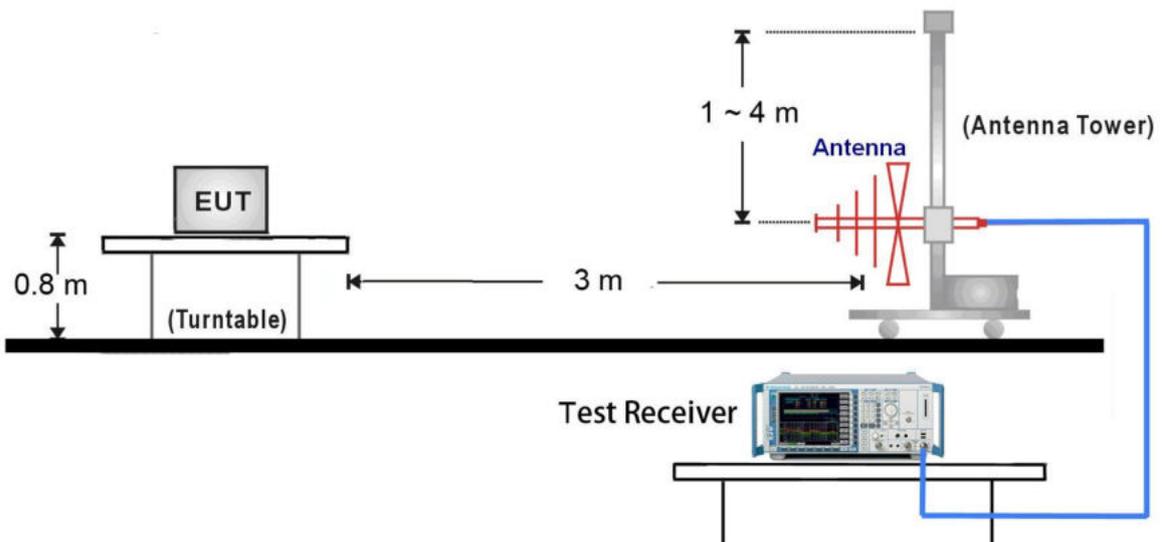
1GHz ~ 18GHz Test Setup:
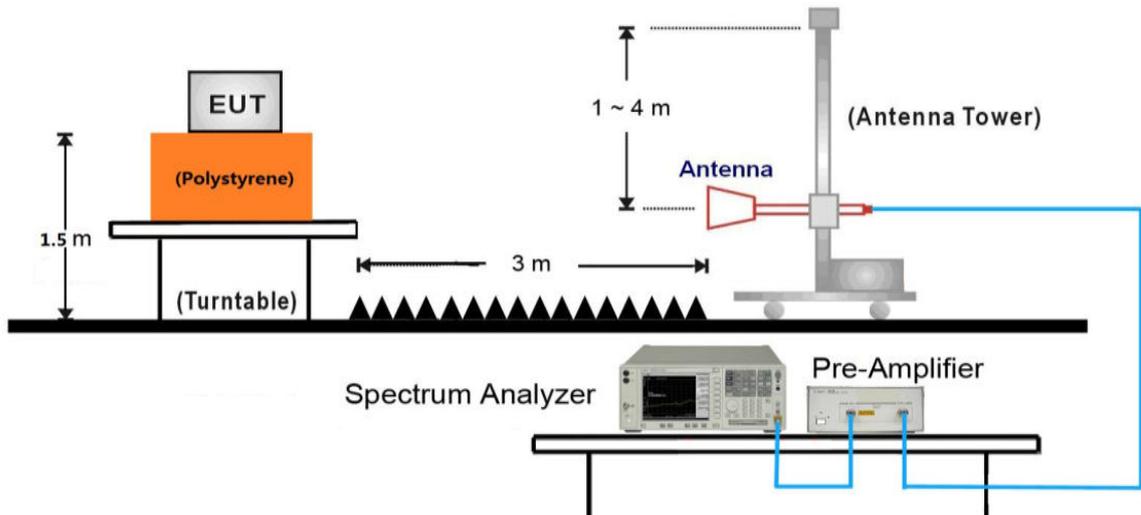


18GHz ~25GHz Test Setup:
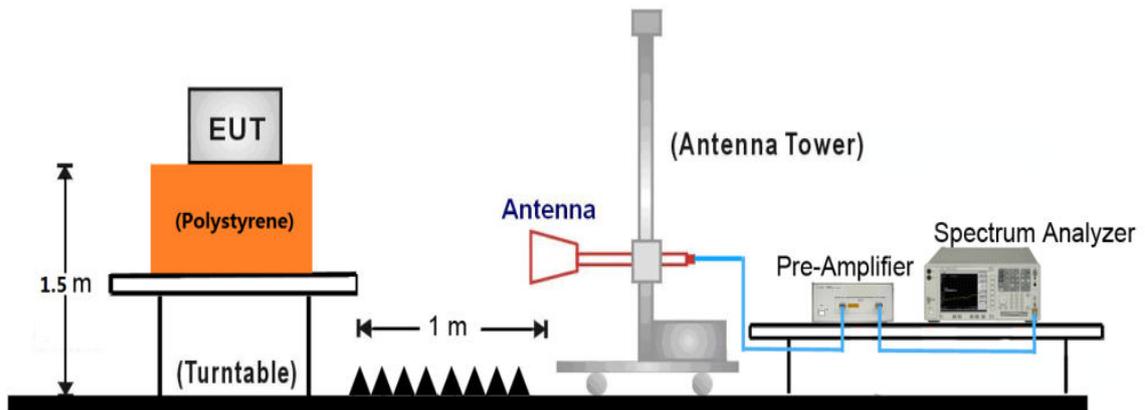
### 7.6.5. Test Result

**Dipole Antenna 1#**

| Test Mode: | 802.11b - 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 01 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 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 |
|---|---|---|---|---|---|---|---|---|
| | 4824.3 | 50.2 | 2.7 | 52.9 | 54.0 | -1.1 | Average | Horizontal |
| | 4824.8 | 62.9 | 2.7 | 65.6 | 74.0 | -8.4 | Peak | Horizontal |
| * | 6025.7 | 37.7 | 4.2 | 41.9 | 80.5 | -38.6 | Peak | Horizontal |
| | 8457.4 | 38.4 | 8.2 | 46.6 | 74.0 | -27.4 | Peak | Horizontal |
| * | 9675.9 | 36.2 | 10.9 | 47.1 | 80.5 | -33.4 | Peak | Horizontal |
| | 4824.8 | 49.9 | 2.7 | 52.6 | 74.0 | -21.4 | Peak | Vertical |
| * | 6473.1 | 38.4 | 5.8 | 44.2 | 80.5 | -36.3 | Peak | Vertical |
| | 8258.9 | 38.3 | 8.1 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| * | 9647.5 | 36.0 | 11.0 | 47.0 | 80.5 | -33.5 | 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)

| Test Mode: | 802.11b - 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 06 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
|  | 4874.0 | 50.2 | 2.7 | 52.9 | 54.0 | -1.1 | Average | Horizontal |
|  | 4876.6 | 59.9 | 2.7 | 62.6 | 74.0 | -11.4 | Peak | Horizontal |
| * | 6482.8 | 37.8 | 5.9 | 43.7 | 89.2 | -45.5 | Peak | Horizontal |
|  | 8269.1 | 37.4 | 8.1 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 9642.6 | 36.0 | 11.0 | 47.0 | 89.2 | -42.2 | Peak | Horizontal |
|  | 4876.2 | 51.8 | 2.7 | 54.5 | 74.0 | -19.5 | Peak | Vertical |
| * | 5674.8 | 38.2 | 3.7 | 41.9 | 89.2 | -47.3 | Peak | Vertical |
|  | 7307.7 | 43.3 | 8.0 | 51.3 | 74.0 | -22.7 | Peak | Vertical |
| * | 9746.4 | 38.7 | 11.3 | 50.0 | 89.2 | -39.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.2dBμV/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: | 802.11b - 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4924.5 | 49.9 | 2.8 | 52.7 | 54.0 | -1.3 | Average | Horizontal |
| | 4926.7 | 58.6 | 2.8 | 61.4 | 74.0 | -12.6 | Peak | Horizontal |
| * | 6241.9 | 37.4 | 4.7 | 42.1 | 80.8 | -38.7 | Peak | Horizontal |
| | 8163.4 | 36.9 | 8.4 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| * | 9614.5 | 35.4 | 10.9 | 46.3 | 80.8 | -34.5 | Peak | Horizontal |
| | 4927.7 | 51.9 | 2.8 | 54.7 | 74.0 | -19.3 | Peak | Vertical |
| * | 6352.6 | 37.2 | 5.2 | 42.4 | 80.8 | -38.4 | Peak | Vertical |
| | 7384.1 | 40.7 | 7.9 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 9257.2 | 37.1 | 10.3 | 47.4 | 80.8 | -33.4 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.8dBµV/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)

| Test Mode: | 802.11g - 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 01 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br><br>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 |
|---|---|---|---|---|---|---|---|---|
|  | 4825.4 | 45.8 | 2.7 | 48.5 | 54.0 | -5.5 | Average | Horizontal |
|  | 4834.0 | 59.6 | 2.7 | 62.3 | 74.0 | -11.7 | Peak | Horizontal |
| * | 6242.1 | 37.1 | 4.7 | 41.8 | 79.6 | -37.8 | Peak | Horizontal |
|  | 8247.5 | 37.5 | 8.1 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| * | 9653.9 | 36.0 | 11.0 | 47.0 | 79.6 | -32.6 | Peak | Horizontal |
|  | 4825.0 | 40.0 | 2.7 | 42.7 | 54.0 | -11.3 | Average | Vertical |
|  | 4833.7 | 53.8 | 2.7 | 56.5 | 74.0 | -17.5 | Peak | Vertical |
| * | 7247.5 | 44.3 | 7.9 | 52.2 | 79.6 | -27.4 | Peak | Vertical |
|  | 9153.9 | 36.2 | 9.8 | 46.0 | 74.0 | -28.0 | Peak | Vertical |
| * | 9661.4 | 39.3 | 11.0 | 50.3 | 79.6 | -29.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.6dBµV/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: | 802.11g - 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 06 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 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 | 45.2 | 2.7 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| * | 6024.9 | 38.0 | 4.2 | 42.2 | 87.4 | -45.2 | Peak | Horizontal |
| | 8163.6 | 37.1 | 8.4 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 9654.3 | 36.3 | 11.0 | 47.3 | 87.4 | -40.1 | Peak | Horizontal |
| | 4876.4 | 46.0 | 2.7 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 5524.5 | 38.4 | 3.5 | 41.9 | 87.4 | -45.5 | Peak | Vertical |
| | 7324.2 | 47.2 | 8.0 | 55.2 | 74.0 | -18.8 | Peak | Vertical |
| * | 9764.0 | 44.4 | 11.4 | 55.8 | 87.4 | -31.6 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.4dBµV/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)

| Test Mode: | 802.11g - 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 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 |
|---|---|---|---|---|---|---|---|---|
| | 4919.1 | 52.3 | 2.8 | 55.1 | 74.0 | -18.9 | Peak | Horizontal |
| * | 6042.6 | 37.4 | 4.1 | 41.5 | 79.8 | -38.3 | Peak | Horizontal |
| | 8153.8 | 37.2 | 8.4 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| * | 9642.6 | 36.2 | 11.0 | 47.2 | 79.8 | -32.6 | Peak | Horizontal |
| | 4926.9 | 49.9 | 2.8 | 52.7 | 74.0 | -21.3 | Peak | Vertical |
| * | 6055.4 | 36.6 | 4.1 | 40.7 | 79.8 | -39.1 | Peak | Vertical |
| | 8263.9 | 37.6 | 8.1 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| * | 9658.8 | 35.8 | 11.0 | 46.8 | 79.8 | -33.0 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.8dBμV/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)

| Test Mode: | 802.11n-HT20 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 01 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 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 |
|---|---|---|---|---|---|---|---|---|
| | 4833.7 | 40.8 | 2.7 | 43.5 | 74.0 | -30.5 | Peak | Horizontal |
| * | 5682.4 | 37.7 | 3.7 | 41.4 | 80.6 | -39.2 | Peak | Horizontal |
| | 8143.0 | 38.0 | 8.5 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| * | 9657.9 | 36.5 | 11.0 | 47.5 | 80.6 | -33.1 | Peak | Horizontal |
| | 4833.7 | 50.3 | 2.7 | 53.0 | 74.0 | -21.0 | Peak | Vertical |
| * | 6025.2 | 36.8 | 4.2 | 41.0 | 80.6 | -39.6 | Peak | Vertical |
| | 8145.8 | 38.1 | 8.5 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
| * | 9647.6 | 36.3 | 11.0 | 47.3 | 80.6 | -33.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (110.6dBμV/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: | 802.11n-HT20 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 06 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
|  | 4867.9 | 50.7 | 2.7 | 53.4 | 74.0 | -20.6 | Peak | Horizontal |
| * | 5684.7 | 37.6 | 3.7 | 41.3 | 89.6 | -48.3 | Peak | Horizontal |
|  | 8146.0 | 37.9 | 8.5 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| * | 9653.6 | 36.4 | 11.0 | 47.4 | 89.6 | -42.2 | Peak | Horizontal |
|  | 4875.1 | 49.7 | 2.7 | 52.4 | 54.0 | -1.6 | Average | Vertical |
|  | 4875.8 | 63.3 | 2.7 | 66.0 | 74.0 | -8.0 | Peak | Vertical |
| * | 6025.4 | 37.6 | 4.2 | 41.8 | 89.6 | -47.8 | Peak | Vertical |
|  | 7289.9 | 41.2 | 8.0 | 49.2 | 74.0 | -24.8 | Peak | Vertical |
| * | 9738.7 | 40.2 | 11.2 | 51.4 | 89.6 | -38.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.6dBµV/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: | 802.11n-HT20 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4953.4 | 38.1 | 2.9 | 41.0 | 74.0 | -33.0 | Peak | Horizontal |
| * | 6054.5 | 37.2 | 4.1 | 41.3 | 81.3 | -40.0 | Peak | Horizontal |
| | 8148.9 | 38.6 | 8.5 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
| * | 9626.3 | 36.5 | 10.9 | 47.4 | 81.3 | -33.9 | Peak | Horizontal |
| | 4927.1 | 45.5 | 2.8 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 6025.6 | 37.3 | 4.2 | 41.5 | 81.3 | -39.8 | Peak | Vertical |
| | 8147.2 | 37.5 | 8.5 | 46.0 | 74.0 | -28.0 | Peak | Vertical |
| * | 9653.4 | 35.3 | 11.0 | 46.3 | 81.3 | -35.0 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.3dBμV/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)

| Test Mode: | 802.11n-HT40 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 03 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
|  | 4842.8 | 39.8 | 2.7 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| * | 6025.4 | 37.2 | 4.2 | 41.4 | 75.3 | -33.9 | Peak | Horizontal |
|  | 8154.3 | 38.1 | 8.4 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| * | 9647.4 | 36.4 | 11.0 | 47.4 | 75.3 | -27.9 | Peak | Horizontal |
|  | 4842.2 | 49.7 | 2.7 | 52.4 | 74.0 | -21.6 | Peak | Vertical |
| * | 6015.1 | 37.2 | 4.2 | 41.4 | 75.3 | -33.9 | Peak | Vertical |
|  | 8147.7 | 38.2 | 8.5 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| * | 9655.6 | 36.6 | 11.0 | 47.6 | 75.3 | -27.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (105.3dBµV/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)

| Test Mode: | 802.11n-HT40 – 2Tx | 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 |
|---|---|---|---|---|---|---|---|---|
|  | 4876.4 | 48.3 | 2.7 | 51.0 | 74.0 | -23.0 | Peak | Horizontal |
| * | 6049.0 | 38.0 | 4.1 | 42.1 | 83.7 | -41.6 | Peak | Horizontal |
|  | 8248.6 | 37.8 | 8.1 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 9654.0 | 35.7 | 11.0 | 46.7 | 83.7 | -37.0 | Peak | Horizontal |
|  | 4875.9 | 47.2 | 2.7 | 49.9 | 54.0 | -4.1 | Average | Vertical |
|  | 4875.8 | 61.9 | 2.7 | 64.6 | 74.0 | -9.4 | Peak | Vertical |
| * | 6043.7 | 37.6 | 4.1 | 41.7 | 83.7 | -42.0 | Peak | Vertical |
|  | 8247.7 | 36.9 | 8.1 | 45.0 | 74.0 | -29.0 | Peak | Vertical |
| * | 9654.1 | 36.0 | 11.0 | 47.0 | 83.7 | -36.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (113.7dBμV/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-HT40 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 09 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4876.7 | 50.1 | 2.5 | 52.6 | 74.0 | -21.4 | Peak | Horizontal |
| * | 6049.3 | 39.6 | 4.2 | 43.8 | 78.1 | -34.3 | Peak | Horizontal |
| | 8248.9 | 40.1 | 8.1 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 9654.3 | 37.9 | 10.9 | 48.8 | 78.1 | -29.3 | Peak | Horizontal |
| | 4876.2 | 48.8 | 2.7 | 51.5 | 74.0 | -22.5 | Peak | Vertical |
| * | 4876.1 | 63.6 | 4.7 | 68.3 | 78.1 | -9.8 | Peak | Vertical |
| | 6044.0 | 39.7 | 8.2 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| * | 8248.0 | 39.1 | 11.0 | 50.1 | 78.1 | -28.0 | 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)

**Panel Antenna 1# and 2#**

| Test Mode: | 802.11b – 1Tx | 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 |
|---|---|---|---|---|---|---|---|---|
| | 4824.3 | 49.8 | 2.7 | 52.5 | 54.0 | -1.5 | Average | Horizontal |
| | 4825.3 | 58.0 | 2.7 | 60.7 | 74.0 | -13.3 | Peak | Horizontal |
| * | 6142.7 | 37.5 | 4.5 | 42.0 | 92.8 | -50.8 | Peak | Horizontal |
| | 8263.9 | 37.8 | 8.1 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 9648.6 | 36.1 | 11.0 | 47.1 | 92.8 | -45.7 | Peak | Horizontal |
| | 4824.2 | 50.1 | 2.7 | 52.8 | 54.0 | -1.2 | Average | Vertical |
| | 4825.3 | 54.2 | 2.7 | 56.9 | 74.0 | -17.1 | Peak | Vertical |
| * | 6142.9 | 36.3 | 4.5 | 40.8 | 92.8 | -52.0 | Peak | Vertical |
| | 8263.9 | 36.9 | 8.1 | 45.0 | 74.0 | -29.0 | Peak | Vertical |
| * | 9654.6 | 34.2 | 11.0 | 45.2 | 92.8 | -47.6 | Peak | Vertical |
| Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (122.8dBµV/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) | | | | | | | | |

| Test Mode: | 802.11b – 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 06 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
|  | 4874.3 | 50.1 | 2.7 | 52.8 | 54.0 | -1.2 | Average | Horizontal |
|  | 4876.3 | 54.5 | 2.7 | 57.2 | 74.0 | -16.8 | Peak | Horizontal |
| * | 6143.0 | 36.0 | 4.5 | 40.5 | 94.3 | -53.8 | Peak | Horizontal |
|  | 8246.9 | 35.8 | 8.1 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| * | 9653.0 | 35.5 | 11.0 | 46.5 | 94.3 | -47.8 | Peak | Horizontal |
|  | 4874.2 | 50.3 | 2.7 | 53.0 | 54.0 | -1.0 | Average | Vertical |
|  | 4876.3 | 56.2 | 2.7 | 58.9 | 74.0 | -15.1 | Peak | Vertical |
| * | 6425.7 | 34.6 | 5.6 | 40.2 | 94.3 | -54.1 | Peak | Vertical |
|  | 8248.2 | 35.3 | 8.1 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| * | 9648.6 | 35.1 | 11.0 | 46.1 | 94.3 | -48.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (124.3dBµV/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)

| Test Mode: | 802.11b – 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 4924.3 | 48.6 | 2.8 | 51.4 | 54.0 | -2.6 | Average | Horizontal |
| | 4927.3 | 55.4 | 2.8 | 58.2 | 74.0 | -15.8 | Peak | Horizontal |
| * | 6241.4 | 35.3 | 4.7 | 40.0 | 91.5 | -51.5 | Peak | Horizontal |
| | 8253.7 | 36.4 | 8.1 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| * | 9686.8 | 35.0 | 10.9 | 45.9 | 91.5 | -45.6 | Peak | Horizontal |
| | 4924.2 | 49.2 | 2.8 | 52.0 | 54.0 | -2.0 | Average | Vertical |
| | 4927.3 | 57.9 | 2.8 | 60.7 | 74.0 | -13.3 | Peak | Vertical |
| * | 6215.7 | 35.9 | 4.7 | 40.6 | 91.5 | -50.9 | Peak | Vertical |
| | 8249.0 | 35.9 | 8.1 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| * | 9653.6 | 34.0 | 11.0 | 45.0 | 91.5 | -46.5 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (121.5dBµV/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)

| Test Mode: | 802.11g – 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 01 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>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 |
|---|---|---|---|---|---|---|---|---|
|  | 4825.3 | 49.6 | 2.7 | 52.3 | 74.0 | -21.7 | Peak | Horizontal |
| * | 6235.7 | 37.2 | 4.7 | 41.9 | 86.7 | -44.8 | Peak | Horizontal |
|  | 8246.7 | 37.8 | 8.1 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 9658.9 | 36.1 | 11.0 | 47.1 | 86.7 | -39.6 | Peak | Horizontal |
|  | 4833.8 | 46.5 | 2.7 | 49.2 | 74.0 | -24.8 | Peak | Vertical |
| * | 6145.6 | 36.1 | 4.5 | 40.6 | 86.7 | -46.1 | Peak | Vertical |
|  | 8246.8 | 36.6 | 8.1 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| * | 9659.3 | 35.2 | 11.0 | 46.2 | 86.7 | -40.5 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.7dBµV/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: | 802.11g – 1Tx | 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 |
|---|---|---|---|---|---|---|---|---|
| | 4874.7 | 45.7 | 2.7 | 48.4 | 54.0 | -5.6 | Average | Horizontal |
| | 4876.3 | 59.1 | 2.7 | 61.8 | 74.0 | -12.2 | Peak | Horizontal |
| * | 6142.8 | 35.8 | 4.5 | 40.3 | 94.5 | -54.2 | Peak | Horizontal |
| | 8264.3 | 36.1 | 8.1 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| * | 9653.5 | 34.4 | 11.0 | 45.4 | 94.5 | -49.1 | Peak | Horizontal |
| | 4867.8 | 63.4 | 2.7 | 66.1 | 74.0 | -7.9 | Peak | Vertical |
| | 4874.1 | 49.8 | 2.7 | 52.5 | 54.0 | -1.5 | Average | Vertical |
| * | 6143.2 | 36.1 | 4.5 | 40.6 | 94.5 | -53.9 | Peak | Vertical |
| | 8243.9 | 35.3 | 8.1 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| * | 9642.8 | 34.4 | 11.0 | 45.4 | 94.5 | -49.1 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (124.5dBμV/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)

| Test Mode: | 802.11g – 1Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
|  | 4918.8 | 43.7 | 2.8 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| * | 6025.8 | 35.8 | 4.2 | 40.0 | 88.6 | -48.6 | Peak | Horizontal |
|  | 8152.7 | 36.1 | 8.4 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| * | 9654.2 | 35.0 | 11.0 | 46.0 | 88.6 | -42.6 | Peak | Horizontal |
|  | 4927.3 | 47.8 | 2.8 | 50.6 | 74.0 | -23.4 | Peak | Vertical |
| * | 6243.9 | 36.2 | 4.7 | 40.9 | 88.6 | -47.7 | Peak | Vertical |
|  | 8241.8 | 35.4 | 8.1 | 43.5 | 74.0 | -30.5 | Peak | Vertical |
| * | 9648.6 | 35.9 | 11.0 | 46.9 | 88.6 | -41.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (118.6dBμV/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: | 802.11n-HT20 – 2Tx | 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 |
|---|---|---|---|---|---|---|---|---|
| | 4825.4 | 48.1 | 2.7 | 50.8 | 74.0 | -23.2 | Peak | Horizontal |
| * | 6024.8 | 38.1 | 4.2 | 42.3 | 85.7 | -43.4 | Peak | Horizontal |
| | 8142.8 | 38.2 | 8.5 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| * | 9635.6 | 37.2 | 11.0 | 48.2 | 85.7 | -37.5 | Peak | Horizontal |
| | 4824.3 | 49.8 | 2.7 | 52.5 | 54.0 | -1.5 | Average | Vertical |
| | 4825.4 | 62.1 | 2.7 | 64.8 | 74.0 | -9.2 | Peak | Vertical |
| * | 6045.7 | 38.5 | 4.1 | 42.6 | 86.7 | -44.1 | Peak | Vertical |
| | 7715.4 | 40.9 | 8.0 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 9628.7 | 36.2 | 11.0 | 47.2 | 85.7 | -38.5 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.7dBµV/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 – 2Tx | 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 |
|---|---|---|---|---|---|---|---|---|
| | 4876.4 | 44.9 | 2.7 | 47.6 | 74.0 | -26.4 | Peak | Horizontal |
| * | 6042.8 | 37.9 | 4.1 | 42.0 | 94.2 | -52.2 | Peak | Horizontal |
| | 8246.8 | 37.9 | 8.1 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| * | 9643.7 | 37.0 | 11.0 | 48.0 | 94.2 | -46.2 | Peak | Horizontal |
| | 4874.5 | 50.1 | 2.7 | 52.8 | 54.0 | -1.2 | Average | Vertical |
| | 4876.4 | 58.5 | 2.7 | 61.2 | 74.0 | -12.8 | Peak | Vertical |
| * | 6025.8 | 37.2 | 4.2 | 41.4 | 94.2 | -52.8 | Peak | Vertical |
| | 8154.1 | 37.5 | 8.4 | 45.9 | 74.0 | -28.1 | Peak | Vertical |
| * | 9653.7 | 35.4 | 11.0 | 46.4 | 94.2 | -47.8 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (124.2dBμV/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 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 11 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
|  | 4927.4 | 48.1 | 2.8 | 50.9 | 74.0 | -23.1 | Peak | Horizontal |
| * | 6125.8 | 37.0 | 4.4 | 41.4 | 86.2 | -44.8 | Peak | Horizontal |
|  | 8153.8 | 36.7 | 8.4 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| * | 9625.8 | 36.3 | 10.9 | 47.2 | 86.2 | -39.0 | Peak | Horizontal |
|  | 4924.3 | 49.7 | 2.8 | 52.5 | 54.0 | -1.5 | Average | Vertical |
|  | 4927.4 | 60.3 | 2.8 | 63.1 | 74.0 | -10.9 | Peak | Vertical |
| * | 6025.8 | 37.3 | 4.2 | 41.5 | 86.2 | -44.7 | Peak | Vertical |
|  | 8153.9 | 38.3 | 8.4 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| * | 9654.1 | 36.5 | 11.0 | 47.5 | 86.2 | -38.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.2dBµV/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-HT40 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 03 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

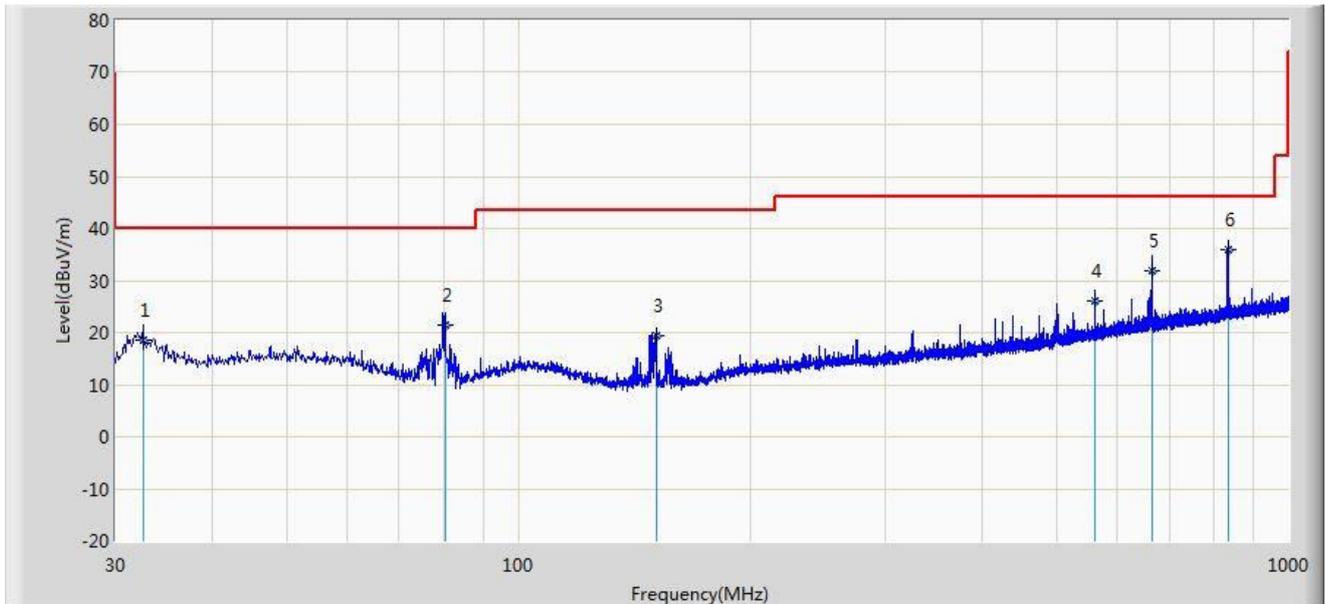| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
|  | 4927.4 | 47.1 | 2.8 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 6235.6 | 37.4 | 4.1 | 41.5 | 79.3 | -37.8 | Peak | Horizontal |
|  | 8406.8 | 36.0 | 8.5 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| * | 9652.8 | 35.2 | 11.0 | 46.2 | 79.3 | -33.1 | Peak | Horizontal |
|  | 4918.9 | 40.1 | 2.8 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 6025.8 | 36.6 | 4.1 | 40.7 | 79.3 | -38.6 | Peak | Vertical |
|  | 8263.9 | 36.3 | 8.1 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| * | 9675.5 | 34.7 | 11.3 | 46.0 | 79.3 | -33.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.2dBμV/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-HT40 – 2Tx | 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 |
|---|---|---|---|---|---|---|---|---|
| | 4867.5 | 52.5 | 2.7 | 55.2 | 74.0 | -18.8 | Peak | Horizontal |
| | 4873.7 | 39.3 | 2.7 | 42.0 | 54.0 | -12.0 | Average | Horizontal |
| * | 6042.4 | 36.0 | 4.1 | 40.1 | 88.3 | -48.2 | Peak | Horizontal |
| | 8173.4 | 36.3 | 8.4 | 44.7 | 74.0 | -29.3 | Peak | Horizontal |
| * | 9247.9 | 36.3 | 10.2 | 46.5 | 88.3 | -41.8 | Peak | Horizontal |
| | 4875.5 | 49.9 | 2.7 | 52.6 | 54.0 | -1.4 | Average | Vertical |
| | 4876.0 | 63.6 | 2.7 | 66.3 | 74.0 | -7.7 | Peak | Vertical |
| * | 6045.4 | 35.5 | 4.1 | 39.6 | 88.3 | -48.7 | Peak | Vertical |
| | 8147.6 | 36.9 | 8.5 | 45.4 | 74.0 | -28.6 | Peak | Vertical |
| * | 9653.6 | 34.0 | 11.0 | 45.0 | 88.3 | -43.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (118.3dBμV/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)

| Test Mode: | 802.11n-HT40 – 2Tx | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 09 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 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 |
|---|---|---|---|---|---|---|---|---|
|   | 4731.5 | 38.5 | 3.0 | 41.5 | 74.0 | -32.5 | Peak | Horizontal |
| * | 6024.4 | 35.2 | 4.1 | 39.3 | 79.1 | -39.8 | Peak | Horizontal |
|   | 8247.6 | 36.1 | 8.1 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| * | 9623.7 | 34.3 | 11.0 | 45.3 | 79.1 | -33.8 | Peak | Horizontal |
|   | 4910.0 | 40.6 | 2.8 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| * | 6215.5 | 35.5 | 4.6 | 40.1 | 79.1 | -39.0 | Peak | Vertical |
|   | 8235.5 | 35.7 | 8.5 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| * | 9653.2 | 34.5 | 11.0 | 45.5 | 79.1 | -33.6 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (109.1dBμV/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)

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

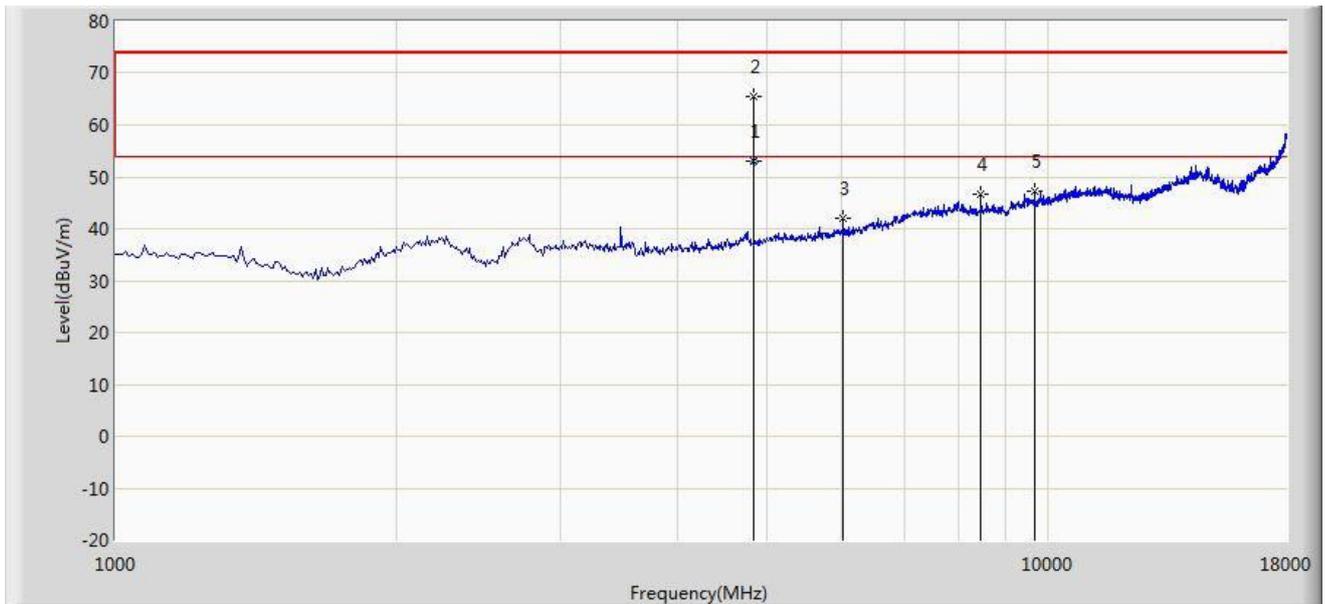| Site: AC1 | Time: 2015/05/10 - 15:41 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Jame Yuan |
| Probe: VULB9162_0.03-8GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| **Worse Case Mode**: Transmit by 802.11g at channel 2412MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 32.562 | 18.411 | 5.931 | -21.589 | 40.000 | 12.480 | QP |
| 2 | | | 80.400 | 21.477 | 12.060 | -18.523 | 40.000 | 9.417 | QP |
| 3 | | | 151.120 | 19.352 | 9.870 | -24.148 | 43.500 | 9.481 | QP |
| 4 | | | 560.020 | 26.056 | 6.807 | -19.944 | 46.000 | 19.248 | QP |
| 5 | | | 664.200 | 31.889 | 11.060 | -14.111 | 46.000 | 20.829 | QP |
| 6 | | * | 834.080 | 35.816 | 12.580 | -10.184 | 46.000 | 23.236 | QP |

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

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

| Site: AC1 | Time: 2015/05/10 - 15:47 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Jame Yuan |
| Probe: VULB9162_0.03-8GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| **Worse Case Mode**: Transmit by 802.11g at channel 2412MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 31.586 | 34.902 | 22.597 | -5.098 | 40.000 | 12.305 | QP |
| 2 | | * | 32.200 | 37.015 | 24.600 | -2.985 | 40.000 | 12.415 | QP |
| 3 | | | 79.820 | 30.736 | 21.400 | -9.264 | 40.000 | 9.336 | QP |
| 4 | | | 422.806 | 28.298 | 11.320 | -17.702 | 46.000 | 16.978 | QP |
| 5 | | | 501.508 | 35.169 | 16.921 | -10.831 | 46.000 | 18.248 | QP |
| 6 | | | 559.994 | 29.298 | 10.050 | -16.702 | 46.000 | 19.248 | QP |
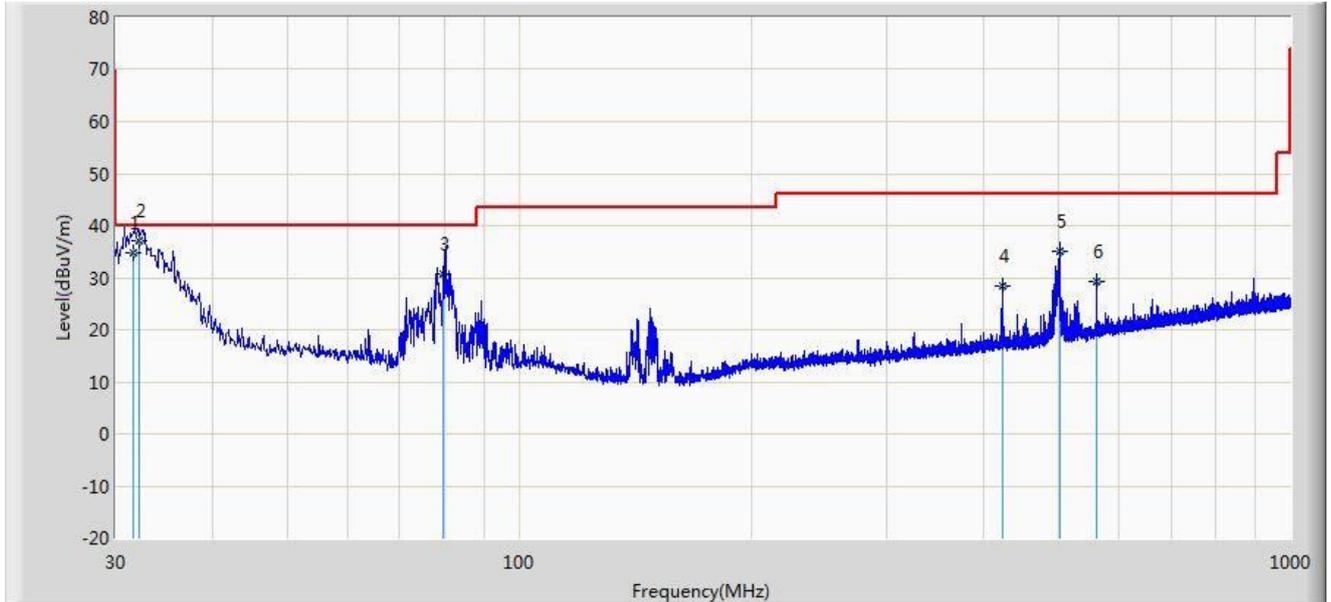
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

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

**Test plot for Radiated Emission above 1GHz**

| Site: AC1 | Time: 2015/05/15 - 13:54 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| **Worse Case Mode**: Transmit at channel 2412MHz by 802.11b | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 4824.300 | 52.900 | 50.200 | -1.100 | 54.000 | 2.700 | AV |
| 2 | | | 4824.800 | 65.600 | 62.900 | -8.400 | 74.000 | 2.700 | PK |
| 3 | | | 6025.700 | 41.888 | 37.740 | -32.112 | 74.000 | 4.148 | PK |
| 4 | | | 8457.400 | 46.600 | 38.400 | -27.400 | 74.000 | 8.200 | PK |
| 5 | | | 9675.900 | 47.107 | 36.200 | -26.893 | 74.000 | 10.907 | 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: 2015/05/15 - 13:54 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| **Worse Case Mode**: Transmit at channel 2412MHz by 802.11b | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 4824.800 | 52.600 | 49.900 | -21.400 | 74.000 | 2.700 | PK |
| 2 | | | 6473.100 | 44.210 | 38.400 | -29.790 | 74.000 | 5.810 | PK |
| 3 | | | 8258.900 | 46.438 | 38.300 | -27.562 | 74.000 | 8.139 | PK |
| 4 | | | 9647.500 | 46.985 | 36.000 | -27.015 | 74.000 | 10.986 | 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: 2015/05/10 - 15:12 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: FMZB1519_0.009-30MHz | Polarity: Face on |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |

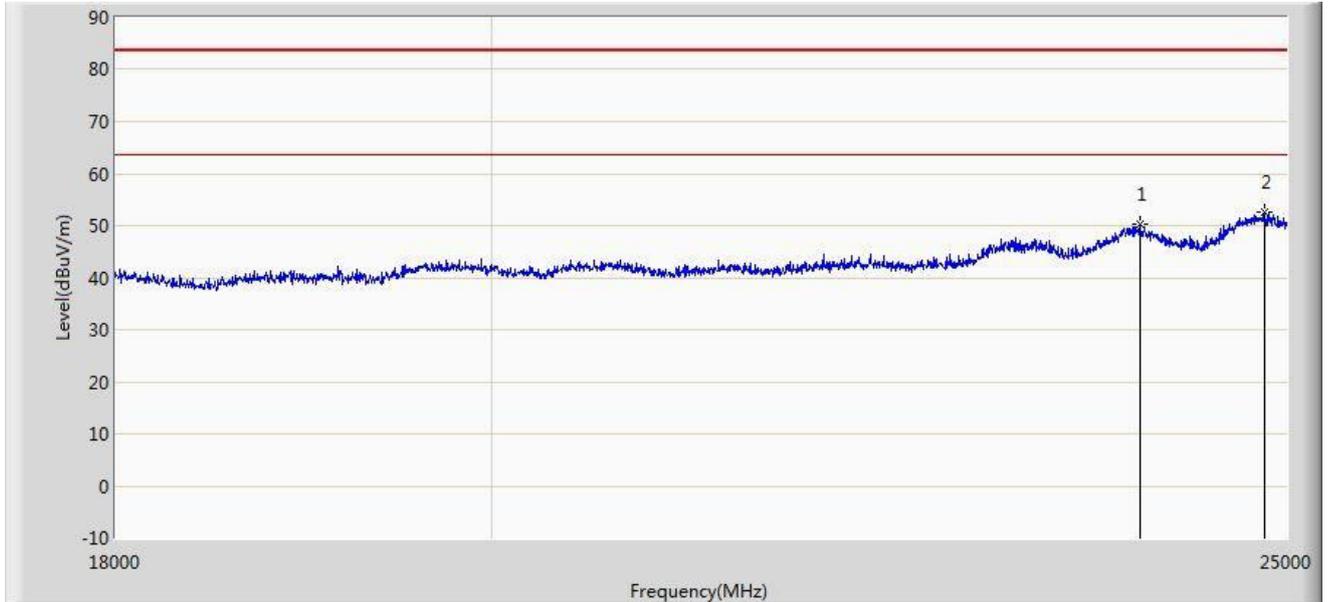**Note: There is the ambient noise within frequency range 9kHz~30MHz.**
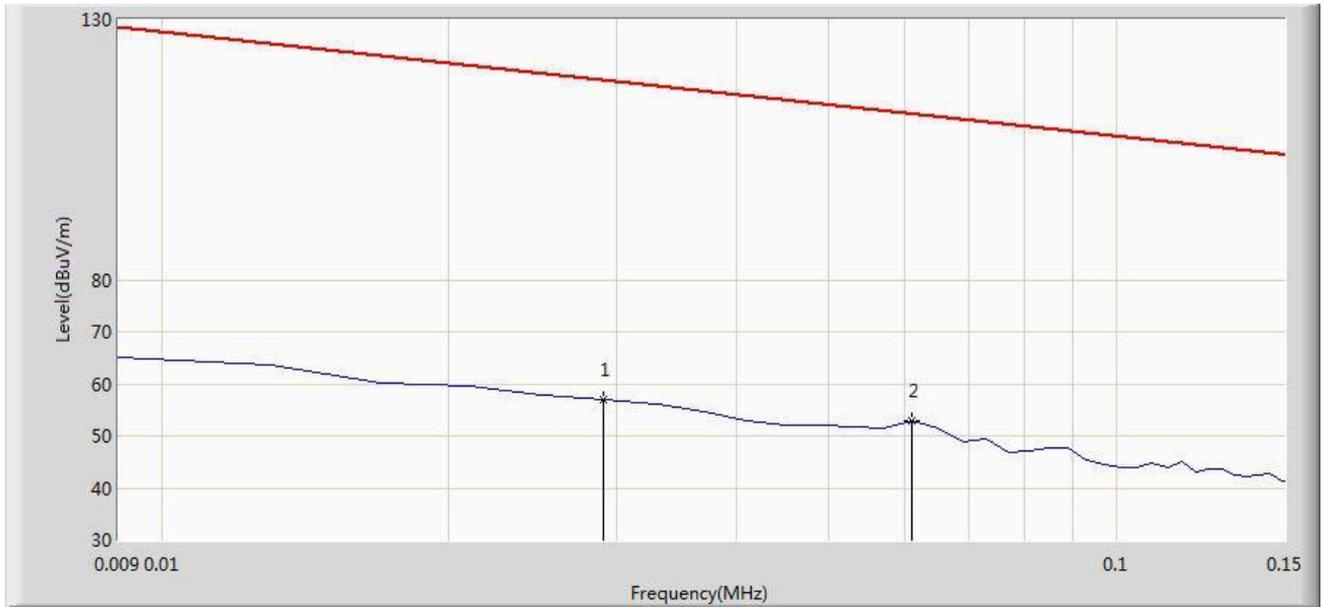


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 0.029 | 56.893 | 35.844 | -61.449 | 118.342 | 21.049 | QP |
| 2 | | * | 0.061 | 52.853 | 32.542 | -59.034 | 111.887 | 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: 2015/05/10 - 15:16 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: FMZB1519_0.009-30MHz | Polarity: Face on |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| **Note: There is the ambient noise within frequency range 9kHz~30MHz.** | |



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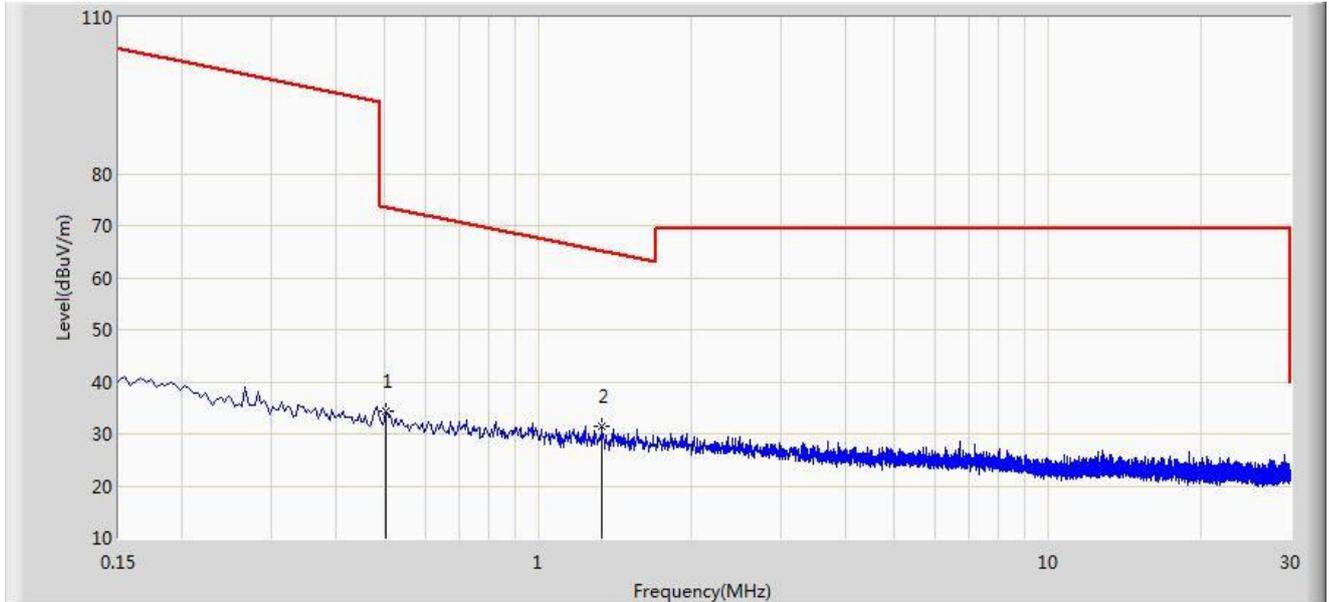
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

| Site: AC1 | Time: 2015/05/10 - 20:21 |
|---|---|
| Limit: FCC_Part15.209_RE(1m) | Engineer: Roy Cheng |
| Probe: BBHA9170_18-40GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| **Note: There is the ambient noise within frequency range 18GHz~25GHz.** | |



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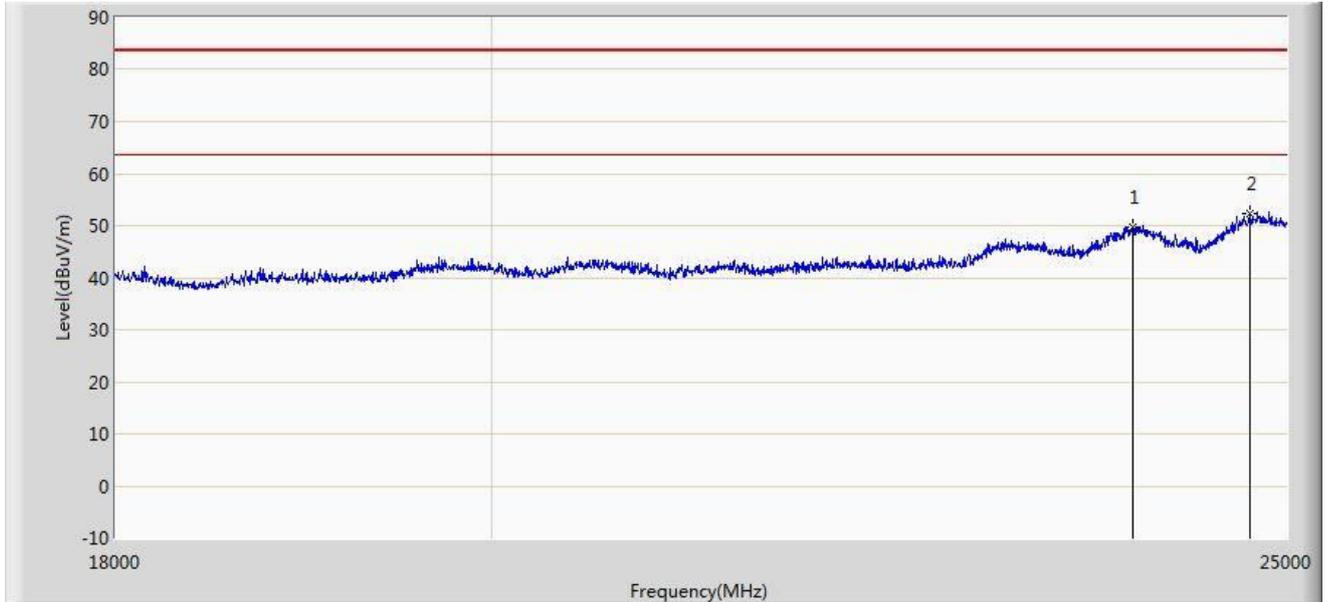
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

| Site: AC1 | Time: 2015/05/10 - 20:27 |
|---|---|
| Limit: FCC_Part15.209_RE(1m) | Engineer: Roy Cheng |
| Probe: BBHA9170_18-40GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |

**Note: There is the ambient noise within frequency range 18GHz~25GHz.**



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 23999.000 | 50.379 | 36.435 | -33.121 | 83.500 | 13.944 | PK |
| 2 | | * | 24846.000 | 52.503 | 37.735 | -30.997 | 83.500 | 14.768 | PK |

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

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

## 7.7. Radiated Restricted Band Edge Measurement

### 7.7.1. Test Result

**Dipole Antenna 1#**

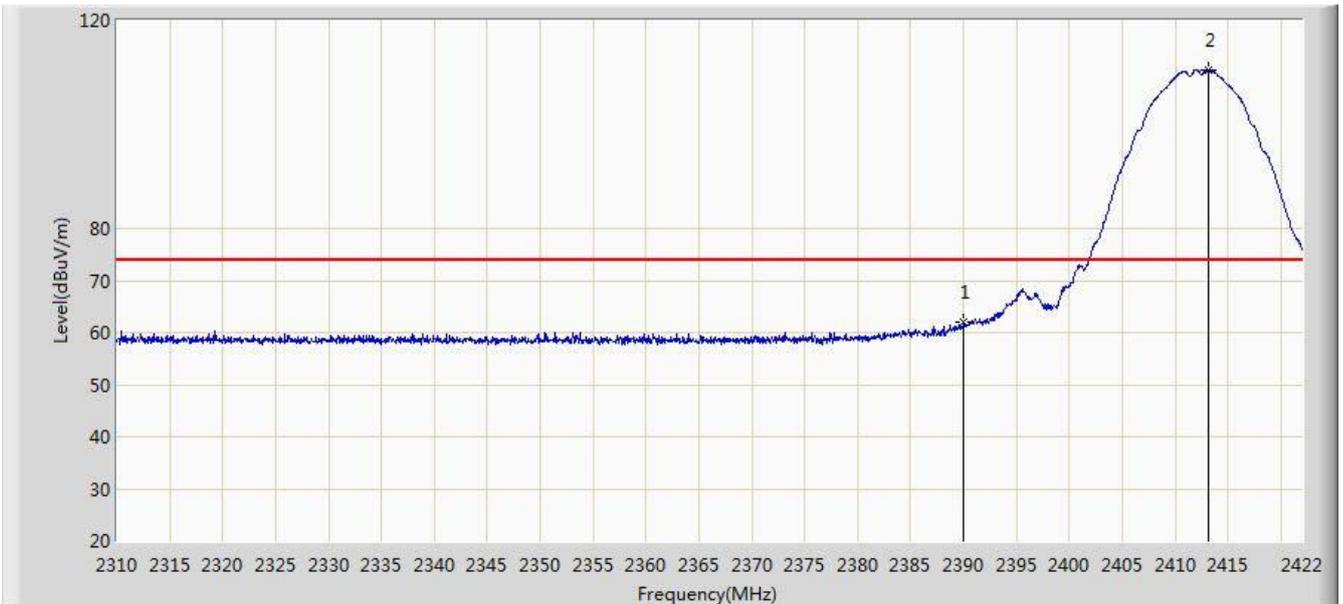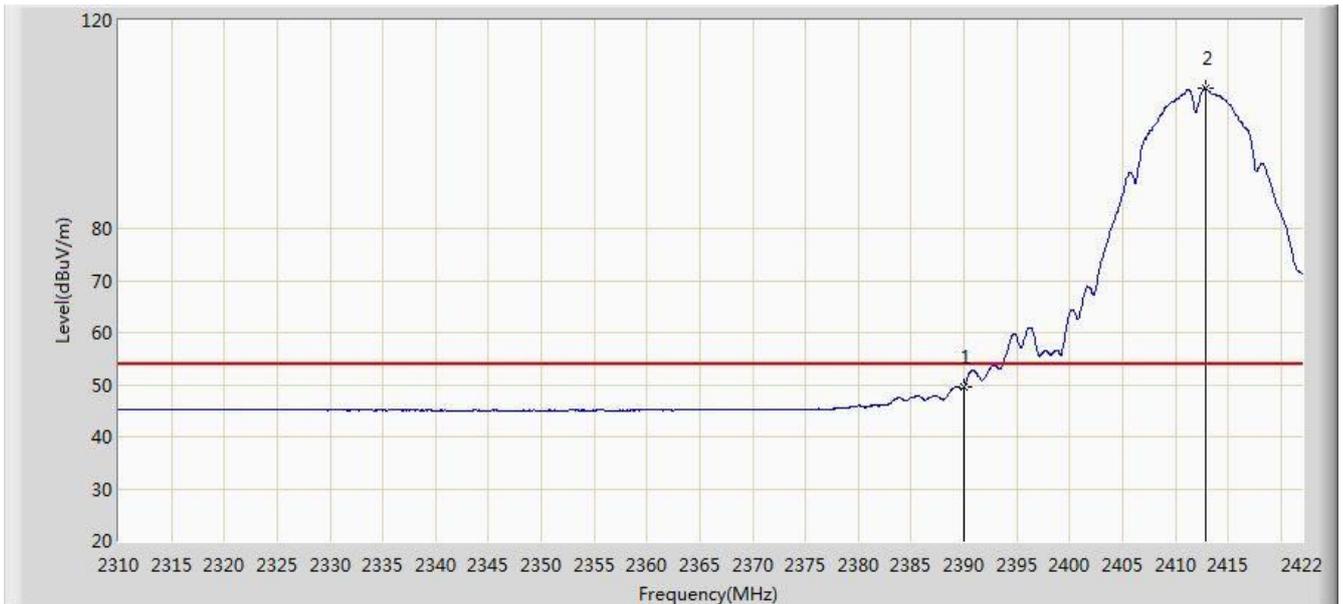| Site: AC1 | Time: 2015/04/22 - 22:20 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 59.736 | 28.533 | -14.264 | 74.000 | 31.203 | PK |
| 2 | | * | 2413.040 | 104.480 | 73.312 | N/A | N/A | 31.167 | PK |
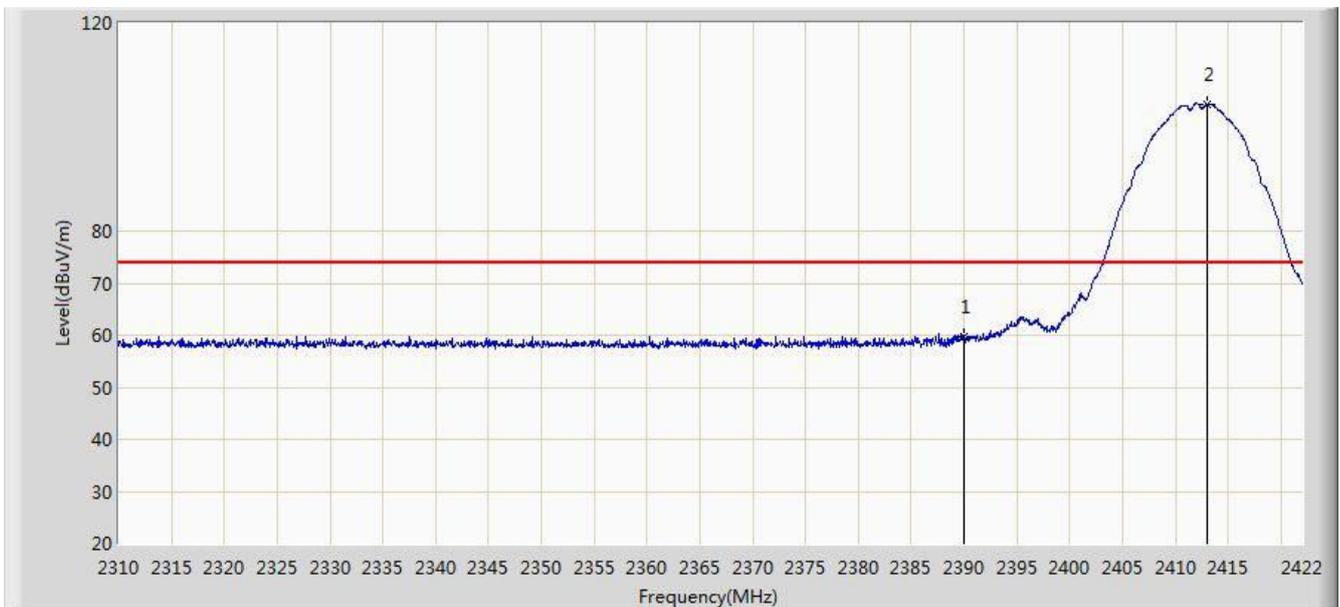
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

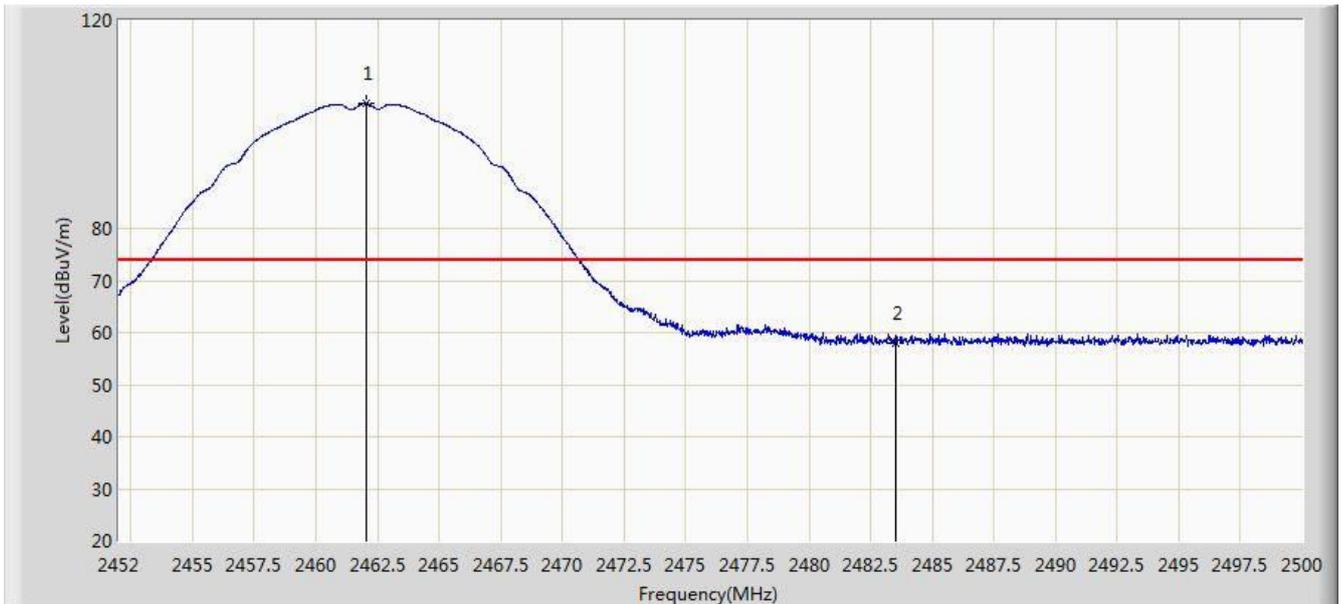| Site: AC1 | Time: 2015/04/22 - 22:26 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 46.296 | 15.093 | -7.704 | 54.000 | 31.203 | AV |
| 2 | | * | 2411.136 | 100.901 | 69.730 | N/A | N/A | 31.171 | AV |

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

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

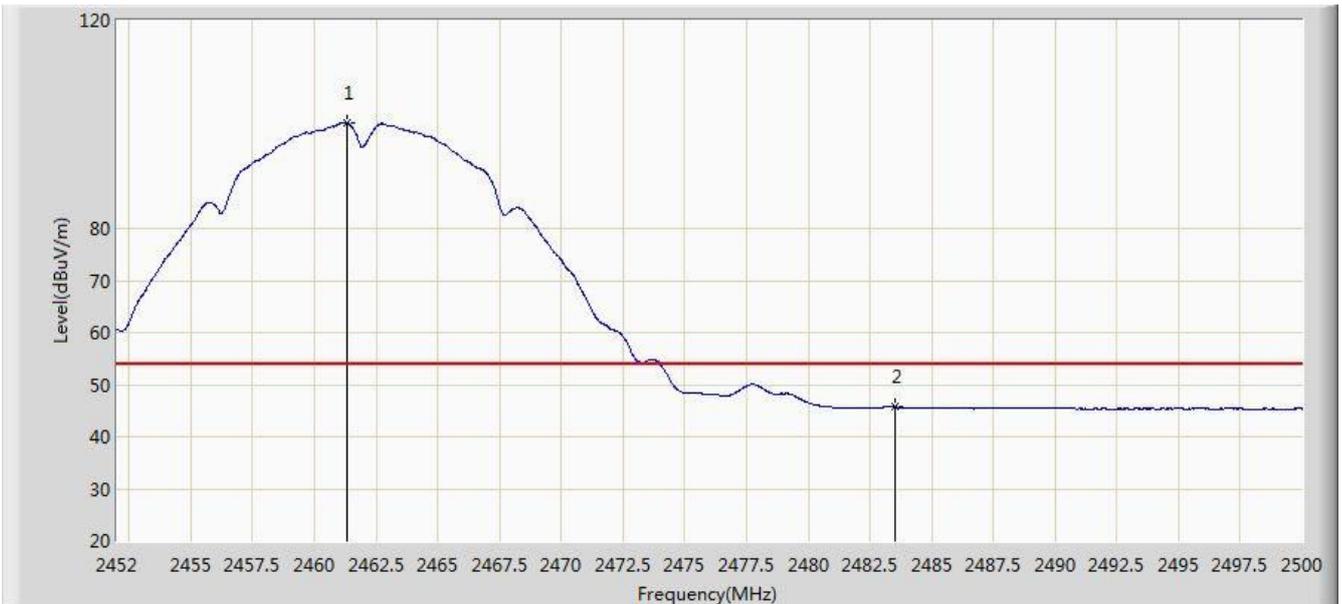| Site: AC1 | Time: 2015/04/22 - 22:26 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 61.926 | 30.723 | -12.074 | 74.000 | 31.203 | PK |
| 2 | | * | 2413.096 | 110.530 | 79.362 | N/A | N/A | 31.167 | PK |

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

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

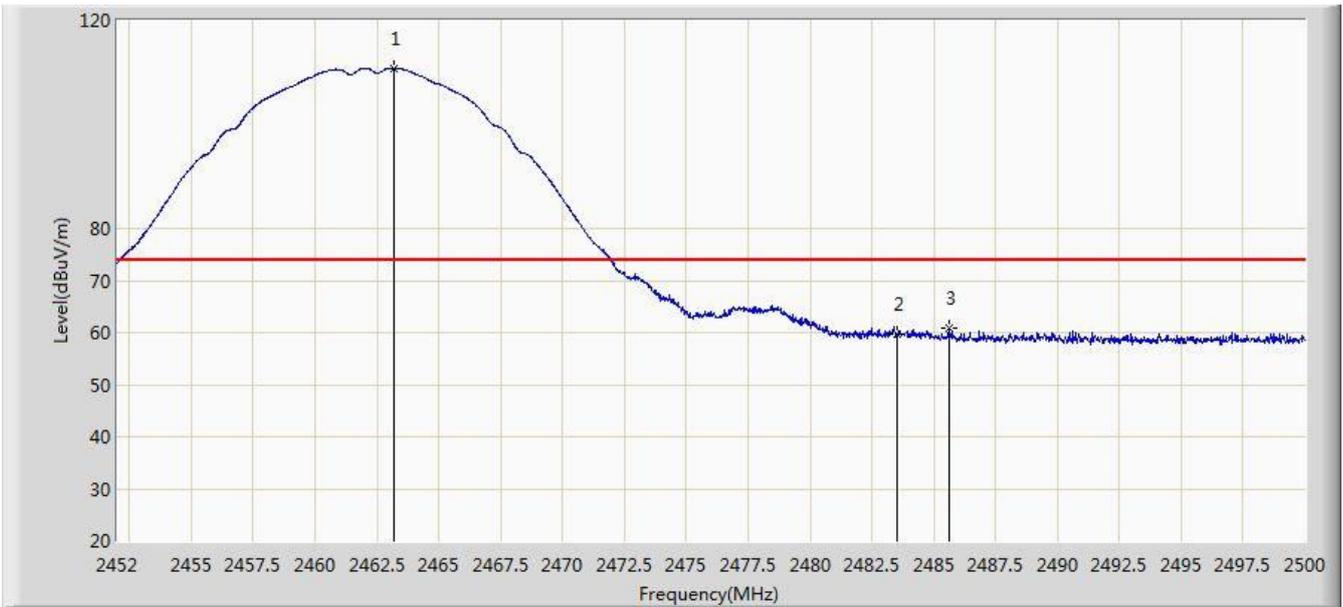| Site: AC1 | Time: 2015/04/22 - 22:26 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 49.546 | 18.343 | -4.454 | 54.000 | 31.203 | AV |
| 2 | | * | 2412.872 | 106.836 | 75.668 | N/A | N/A | 31.168 | AV |

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

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

| Site: AC1 | Time: 2015/04/22 - 22:31 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.056 | 104.030 | 72.895 | N/A | N/A | 31.135 | PK |
| 2 | | | 2483.500 | 57.906 | 26.713 | -16.094 | 74.000 | 31.194 | PK |

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

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

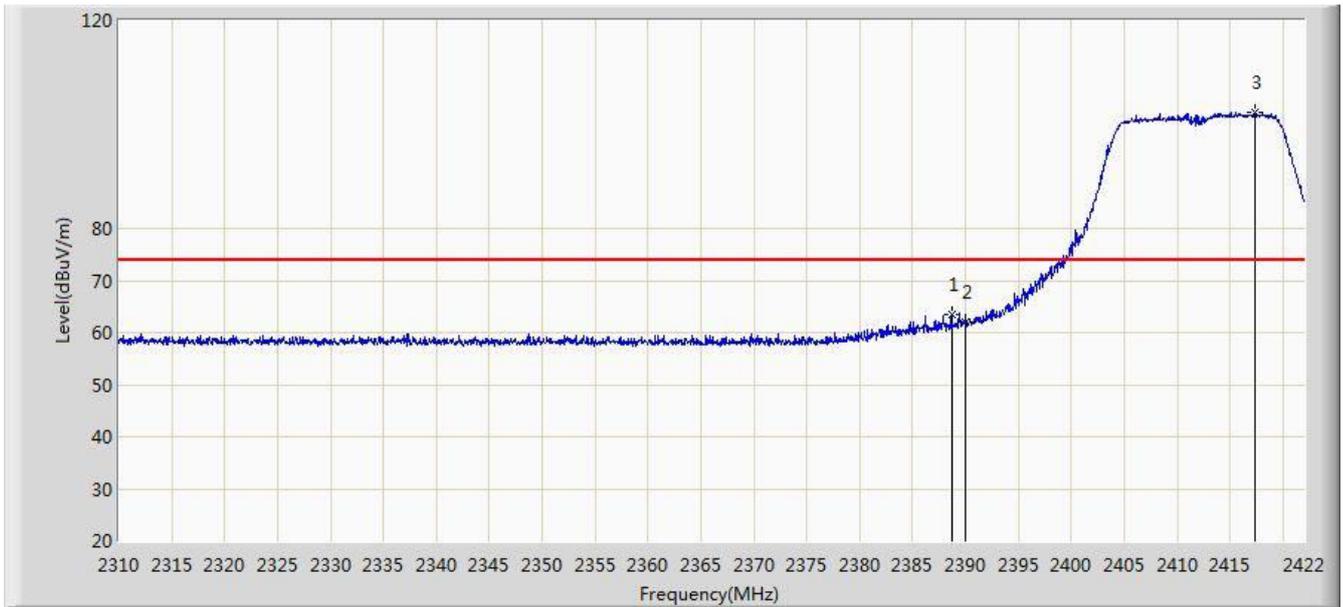| Site: AC1 | Time: 2015/04/22 - 22:33 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2461.312 | 100.328 | 69.194 | N/A | N/A | 31.134 | AV |
| 2 | | | 2483.500 | 45.685 | 14.492 | -8.315 | 54.000 | 31.194 | AV |

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

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

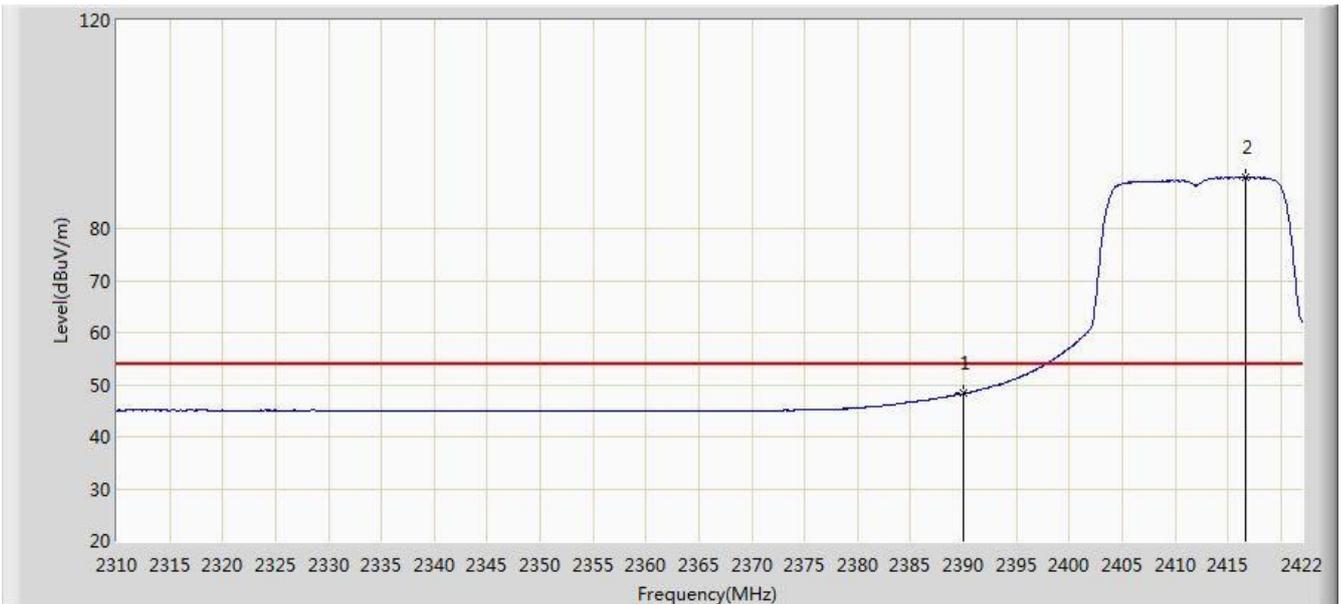| Site: AC1 | Time: 2015/04/22 - 22:34 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2463.208 | 110.844 | 79.706 | N/A | N/A | 31.137 | PK |
| 2 | | | 2483.500 | 59.729 | 28.536 | -14.271 | 74.000 | 31.194 | PK |
| 3 | | | 2485.600 | 60.898 | 29.699 | -13.102 | 74.000 | 31.198 | PK |

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

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

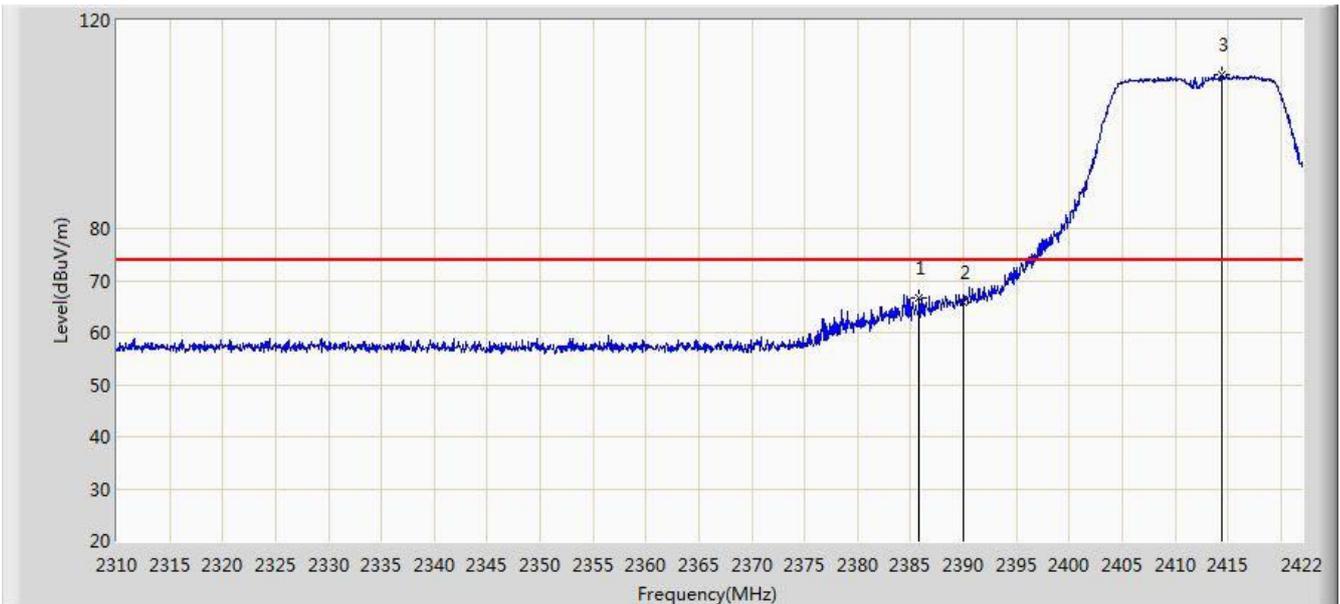| Site: AC1 | Time: 2015/04/22 - 22:35 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11b 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2461.240 | 107.229 | 76.095 | N/A | N/A | 31.134 | AV |
| 2 | | | 2483.500 | 47.346 | 16.153 | -6.654 | 54.000 | 31.194 | AV |

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

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

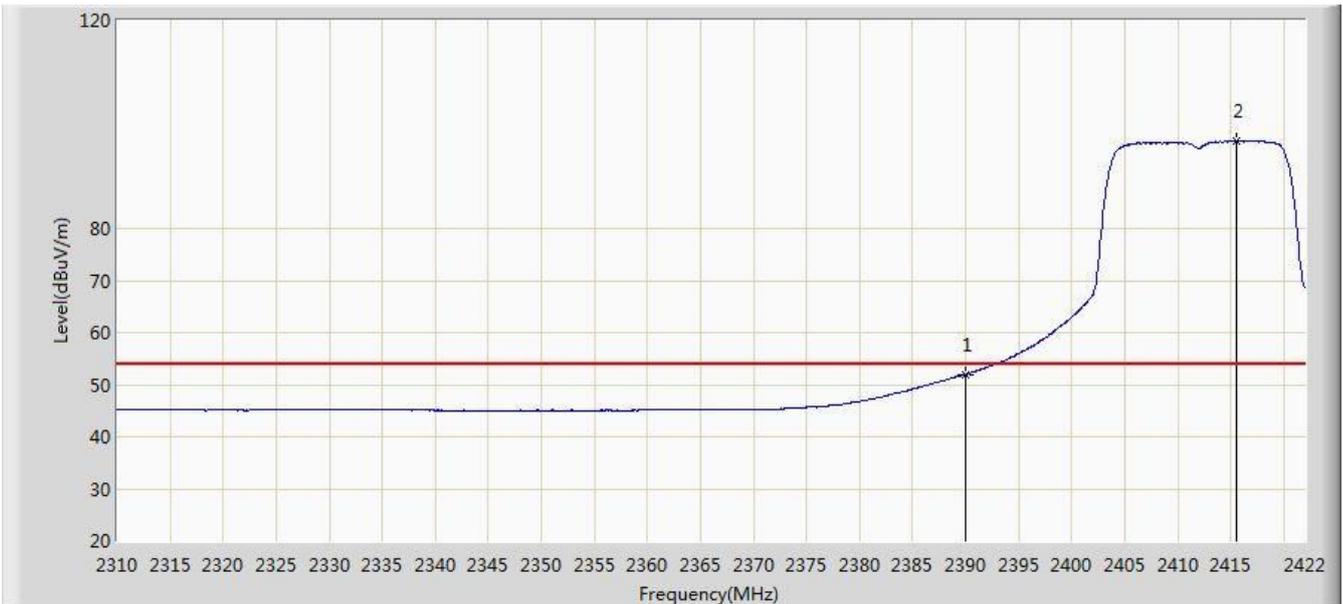| Site: AC1 | Time: 2015/04/22 - 22:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2388.680 | 63.463 | 32.258 | -10.537 | 74.000 | 31.205 | PK |
| 2 | | | 2390.000 | 62.048 | 30.845 | -11.952 | 74.000 | 31.203 | PK |
| 3 | | * | 2417.352 | 102.259 | 71.099 | N/A | N/A | 31.160 | PK |

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

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

| Site: AC1 | Time: 2015/04/22 - 22:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 48.296 | 17.093 | -5.704 | 54.000 | 31.203 | AV |
| 2 | | * | 2416.736 | 89.840 | 58.679 | N/A | N/A | 31.162 | AV |

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

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

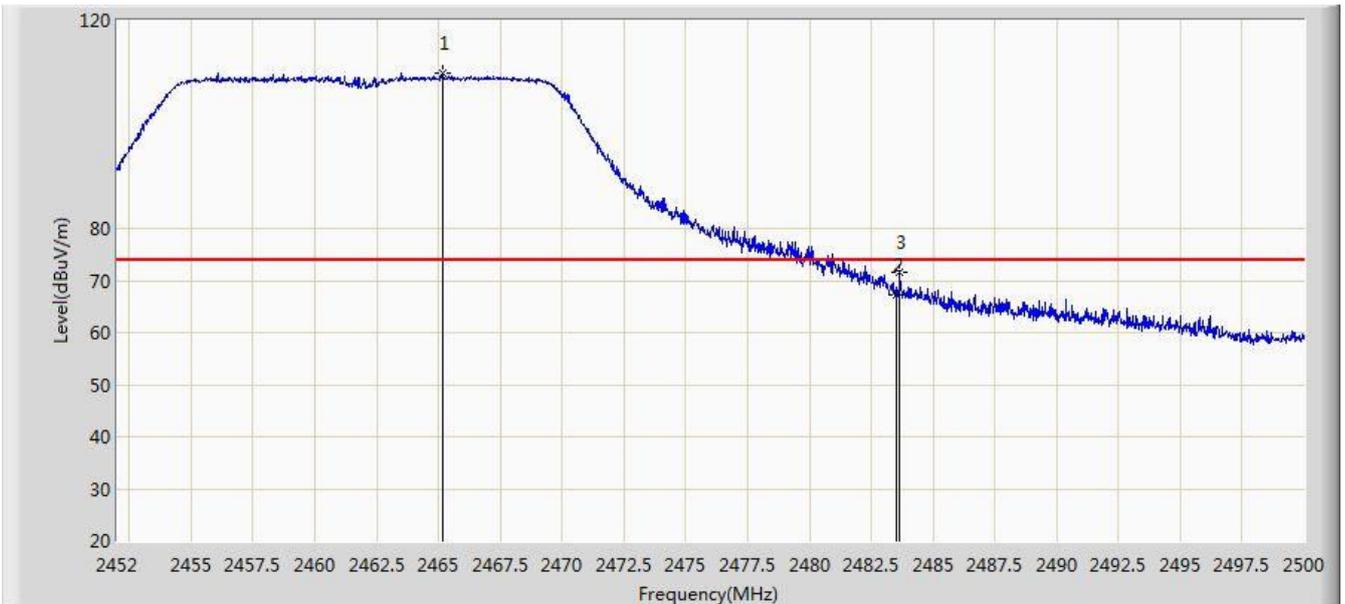| Site: AC1 | Time: 2015/04/22 - 23:25 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2385.824 | 66.763 | 35.553 | -7.237 | 74.000 | 31.211 | PK |
| 2 | | | 2390.000 | 65.942 | 34.739 | -8.058 | 74.000 | 31.203 | PK |
| 3 | | * | 2414.440 | 109.646 | 78.481 | N/A | N/A | 31.165 | PK |

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

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

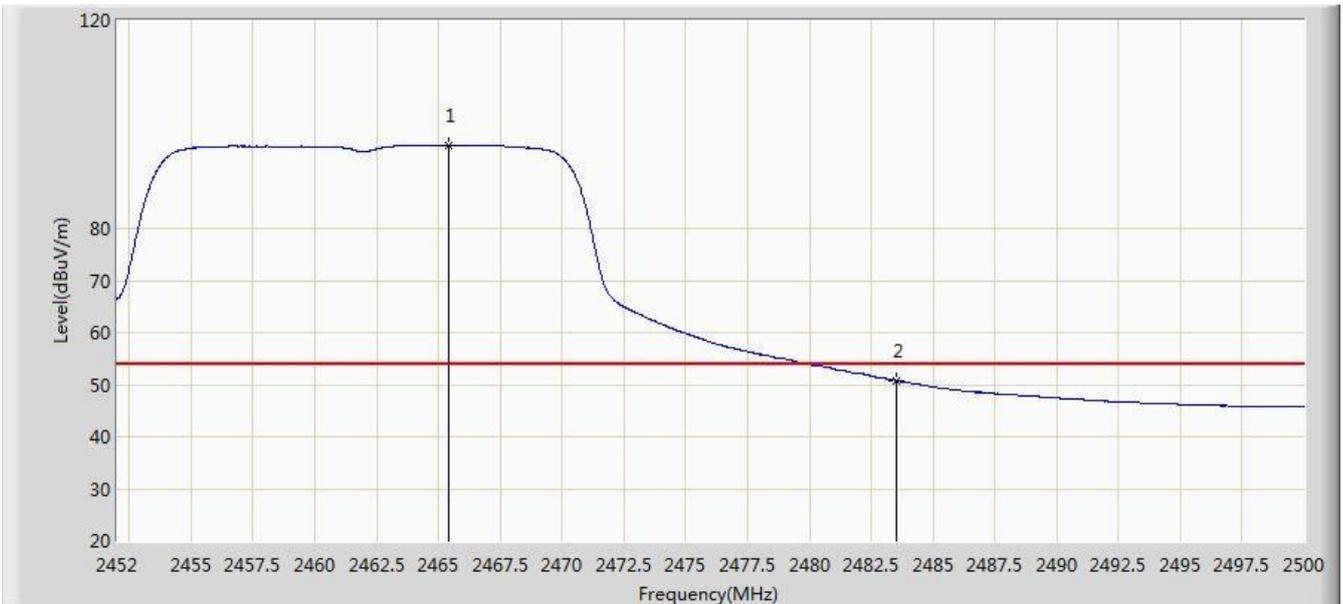| Site: AC1 | Time: 2015/04/22 - 23:25 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 51.946 | 20.743 | -2.054 | 54.000 | 31.203 | AV |
| 2 | | * | 2415.504 | 96.873 | 65.709 | N/A | N/A | 31.164 | AV |

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

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

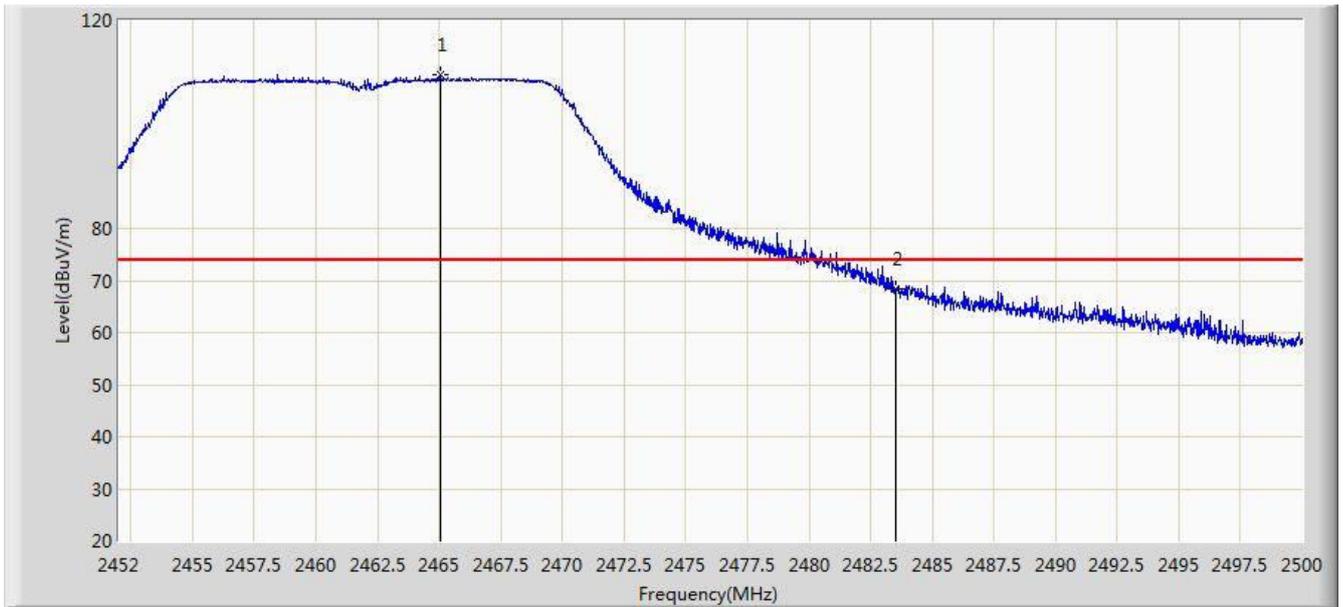| Site: AC1 | Time: 2015/04/22 - 23:30 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.152 | 109.767 | 78.624 | N/A | N/A | 31.142 | PK |
| 2 | | | 2483.500 | 67.382 | 36.189 | -6.618 | 74.000 | 31.194 | PK |
| 3 | | | 2483.656 | 71.726 | 40.532 | -2.274 | 74.000 | 31.194 | PK |

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

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

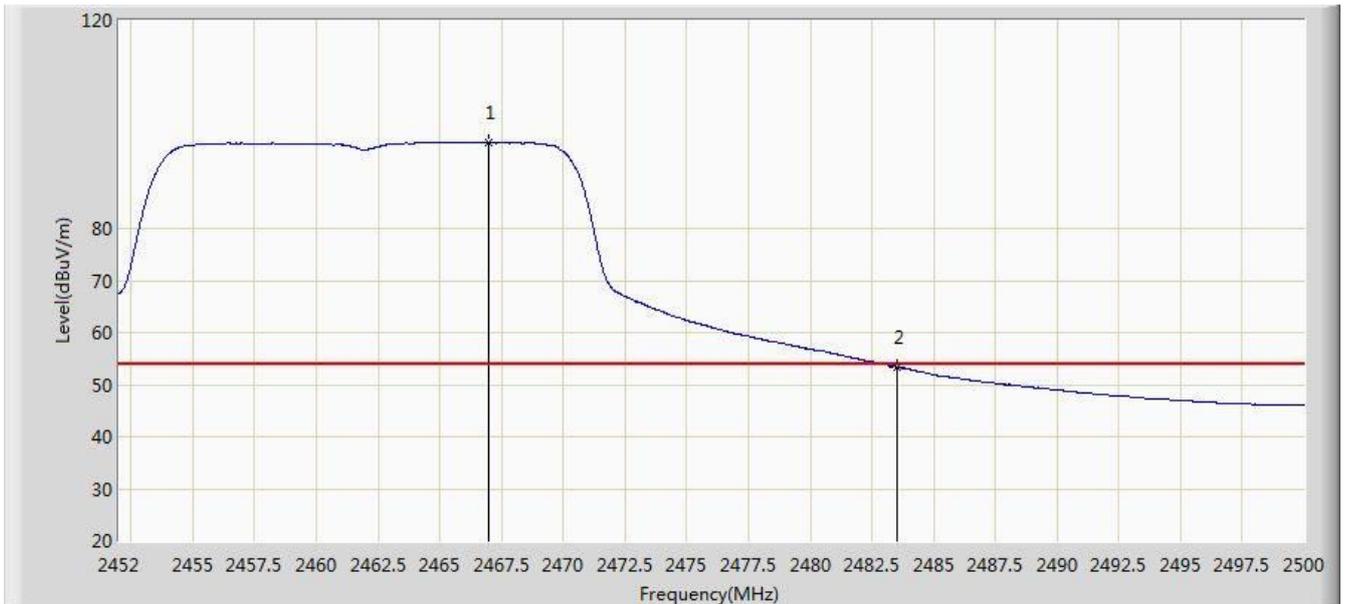| Site: AC1 | Time: 2015/04/22 - 23:31 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.416 | 96.007 | 64.864 | N/A | N/A | 31.143 | AV |
| 2 | | | 2483.500 | 50.783 | 19.590 | -3.217 | 54.000 | 31.194 | AV |

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

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

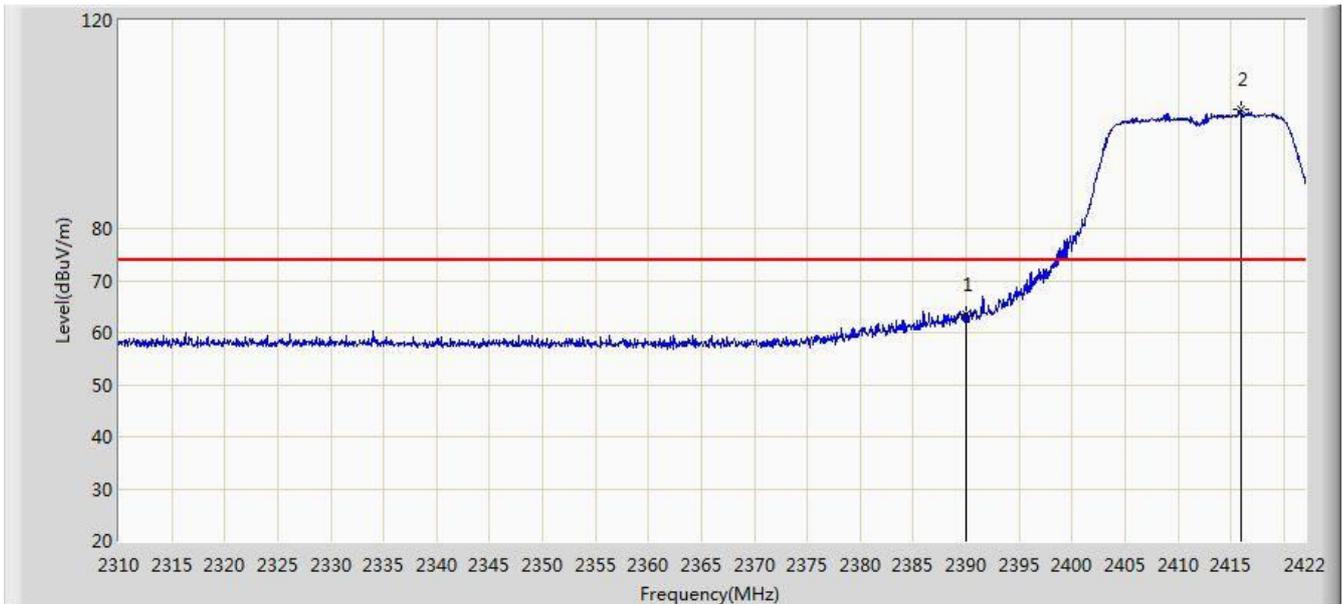| Site: AC1 | Time: 2015/04/22 - 23:33 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.080 | 109.450 | 78.308 | N/A | N/A | 31.142 | PK |
| 2 | | | 2483.500 | 68.413 | 37.220 | -5.587 | 74.000 | 31.194 | PK |

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

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

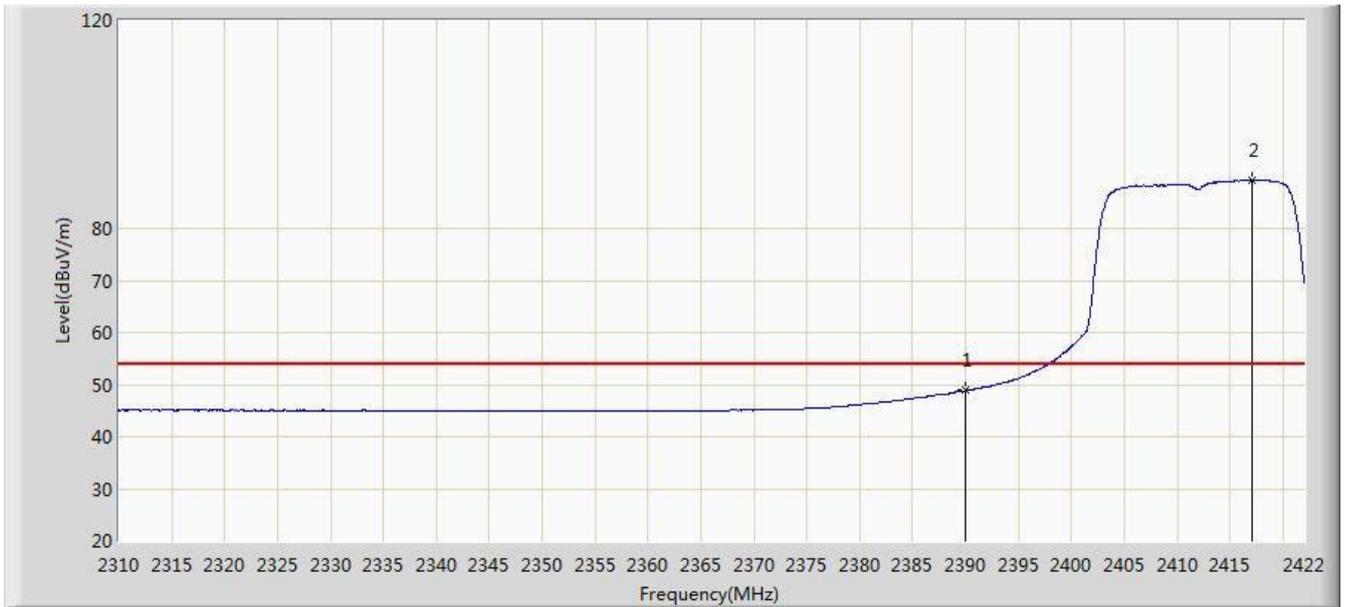| Site: AC1 | Time: 2015/04/22 - 23:33 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11g 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2466.976 | 96.619 | 65.471 | N/A | N/A | 31.148 | AV |
| 2 | | | 2483.500 | 53.437 | 22.244 | -0.563 | 54.000 | 31.194 | AV |

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

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

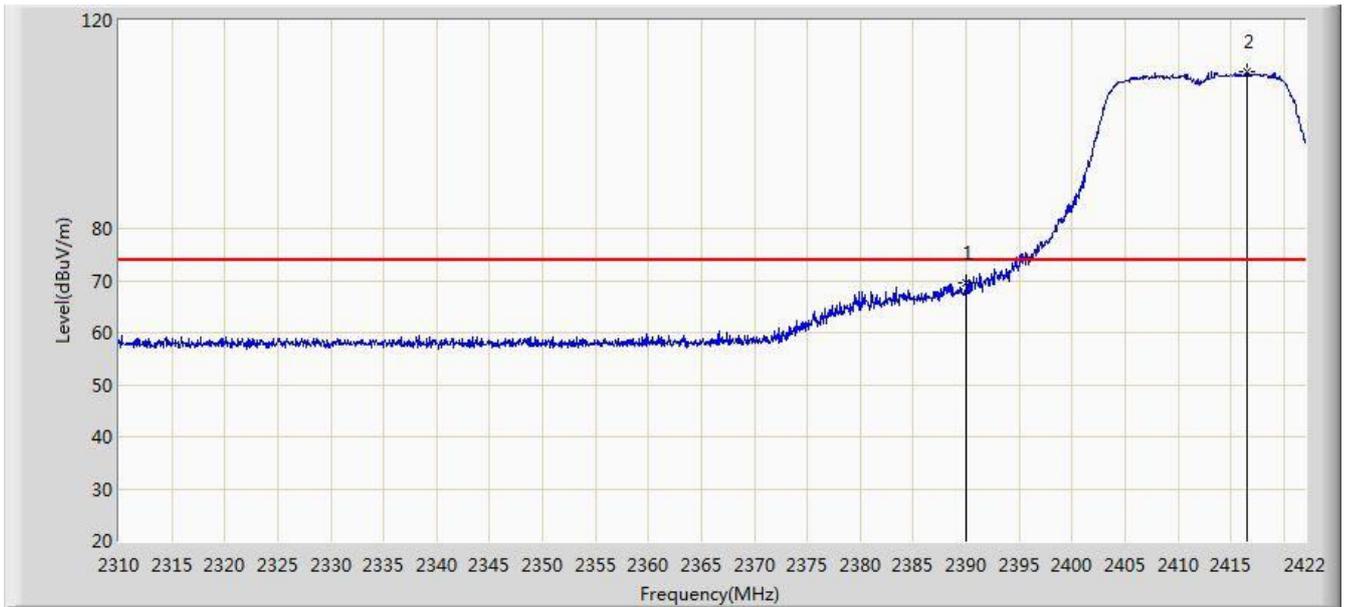| Site: AC1 | Time: 2015/04/22 - 23:36 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 63.466 | 32.263 | -10.534 | 74.000 | 31.203 | PK |
| 2 | | * | 2415.896 | 102.906 | 71.743 | N/A | N/A | 31.163 | PK |

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

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

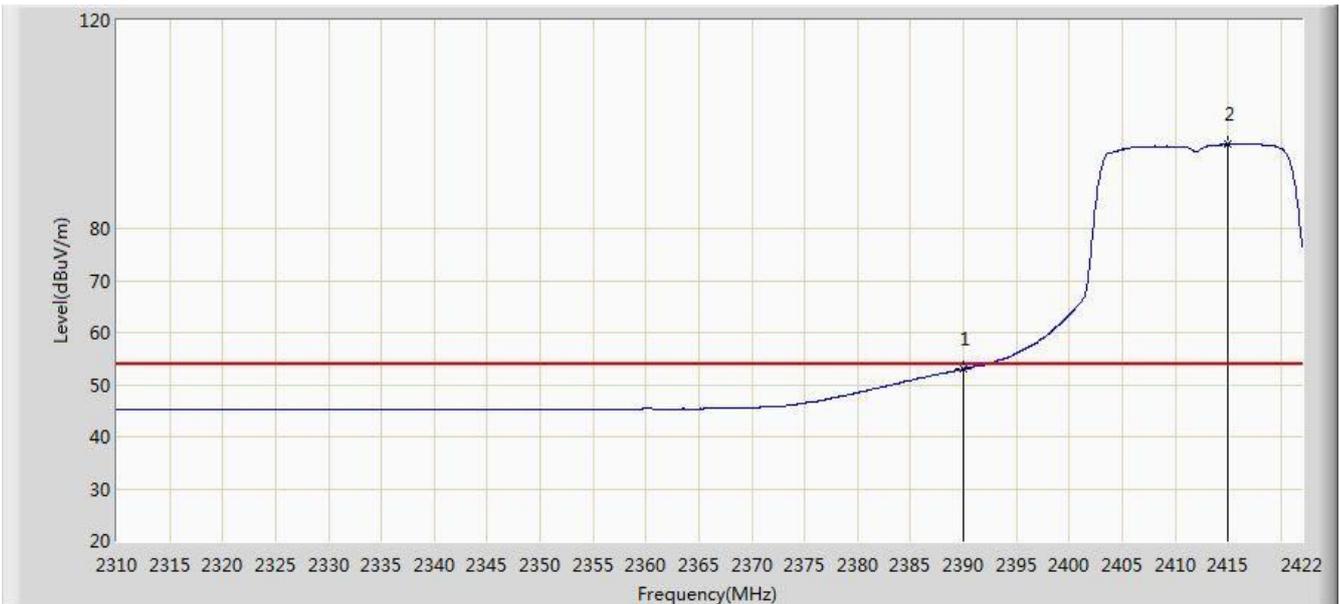| Site: AC1 | Time: 2015/04/22 - 23:37 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 48.871 | 17.668 | -5.129 | 54.000 | 31.203 | AV |
| 2 | | * | 2417.072 | 89.280 | 58.119 | N/A | N/A | 31.161 | AV |

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

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

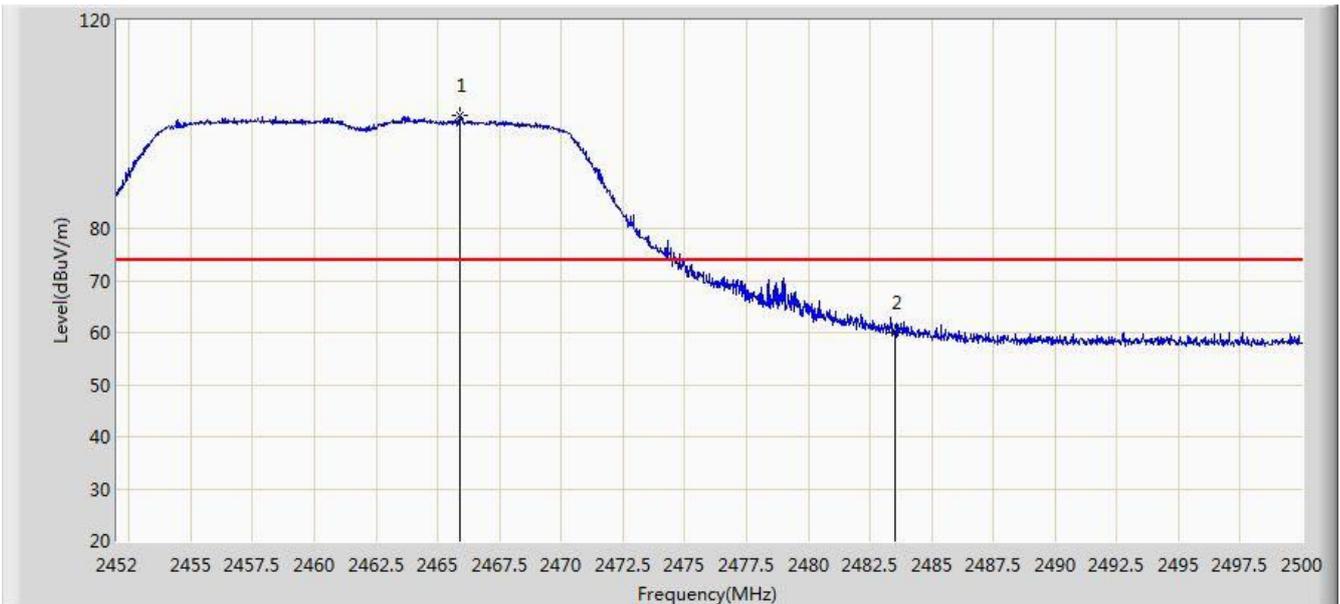| Site: AC1 | Time: 2015/04/22 - 23:39 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 69.499 | 38.296 | -4.501 | 74.000 | 31.203 | PK |
| 2 | | * | 2416.568 | 110.218 | 79.056 | N/A | N/A | 31.162 | PK |

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

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

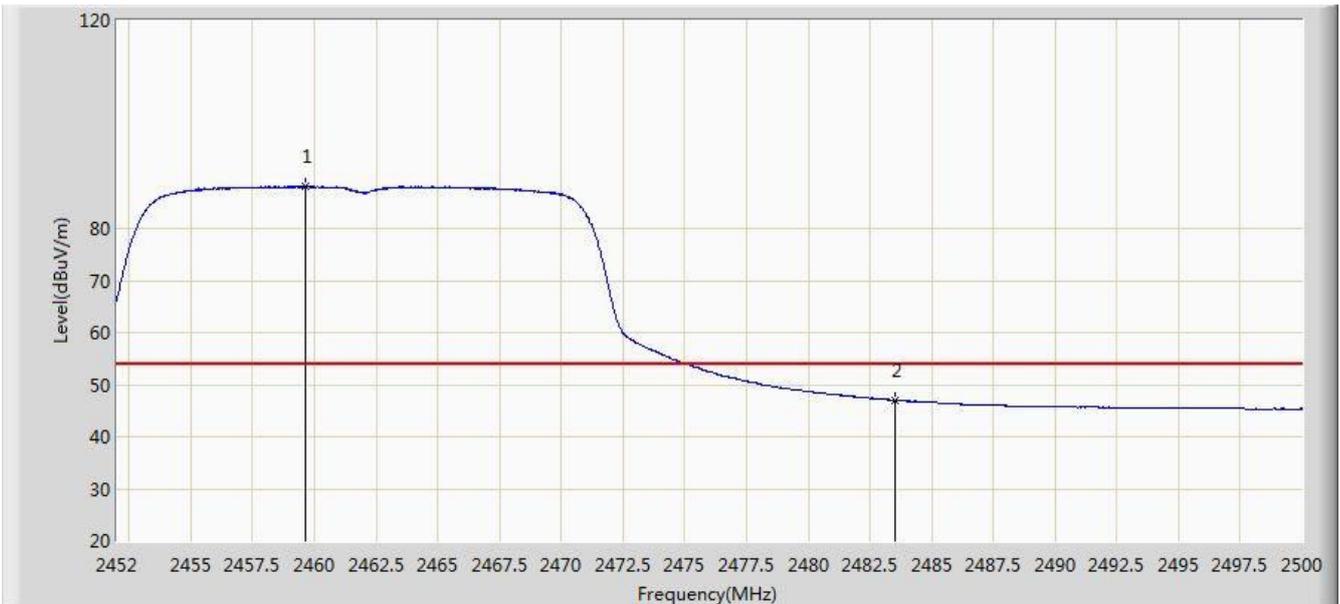| Site: AC1 | Time: 2015/04/22 - 23:39 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 52.959 | 21.756 | -1.041 | 54.000 | 31.203 | AV |
| 2 | | * | 2415.000 | 96.343 | 65.179 | N/A | N/A | 31.165 | AV |

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

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

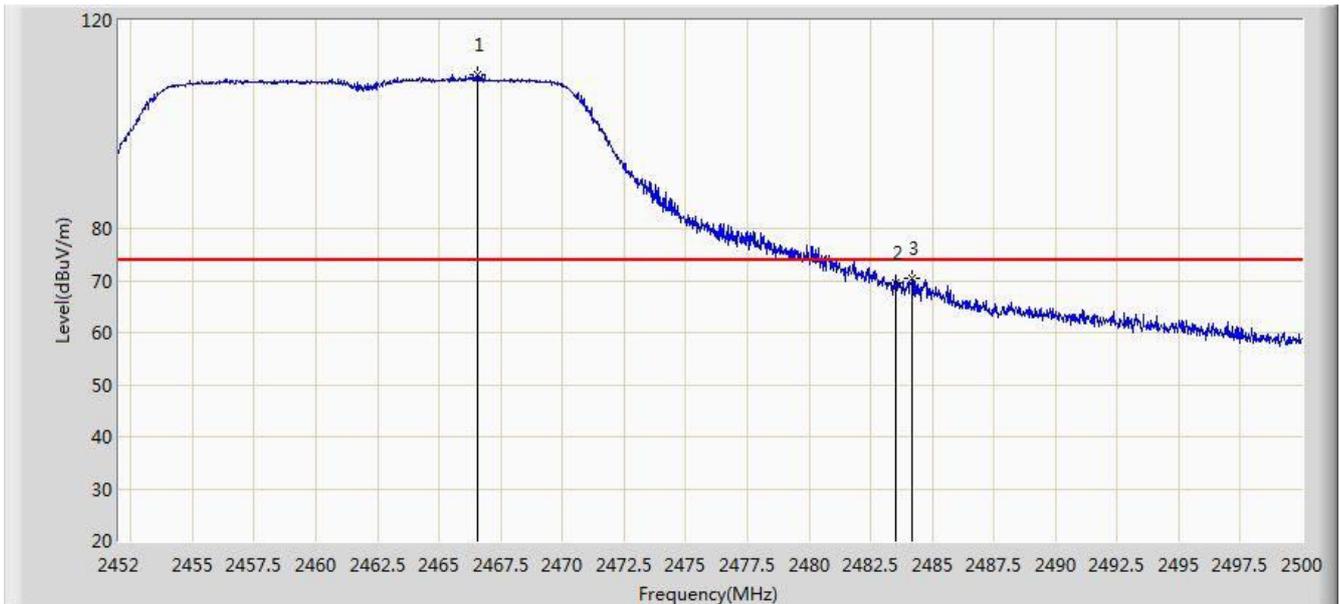| Site: AC1 | Time: 2015/04/22 - 23:43 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2465.872 | 101.695 | 70.550 | N/A | N/A | 31.145 | PK |
| 2 | | | 2483.500 | 59.987 | 28.794 | -14.013 | 74.000 | 31.194 | PK |

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

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

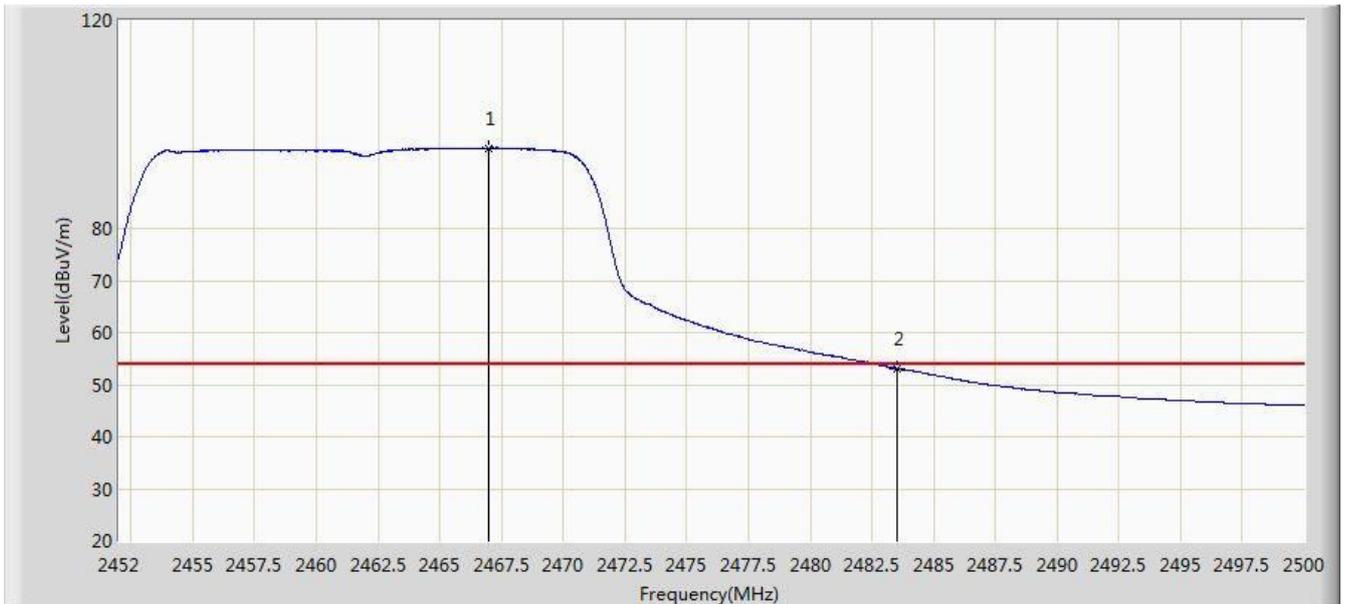| Site: AC1 | Time: 2015/04/22 - 23:43 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2459.656 | 87.999 | 56.868 | N/A | N/A | 31.131 | AV |
| 2 | | | 2483.500 | 47.016 | 15.823 | -6.984 | 54.000 | 31.194 | AV |

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

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

| Site: AC1 | Time: 2015/04/22 - 23:46 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2466.568 | 109.547 | 78.400 | N/A | N/A | 31.147 | PK |
| 2 | | | 2483.500 | 69.570 | 38.377 | -4.430 | 74.000 | 31.194 | PK |
| 3 | | | 2484.208 | 70.472 | 39.277 | -3.528 | 74.000 | 31.195 | PK |

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

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

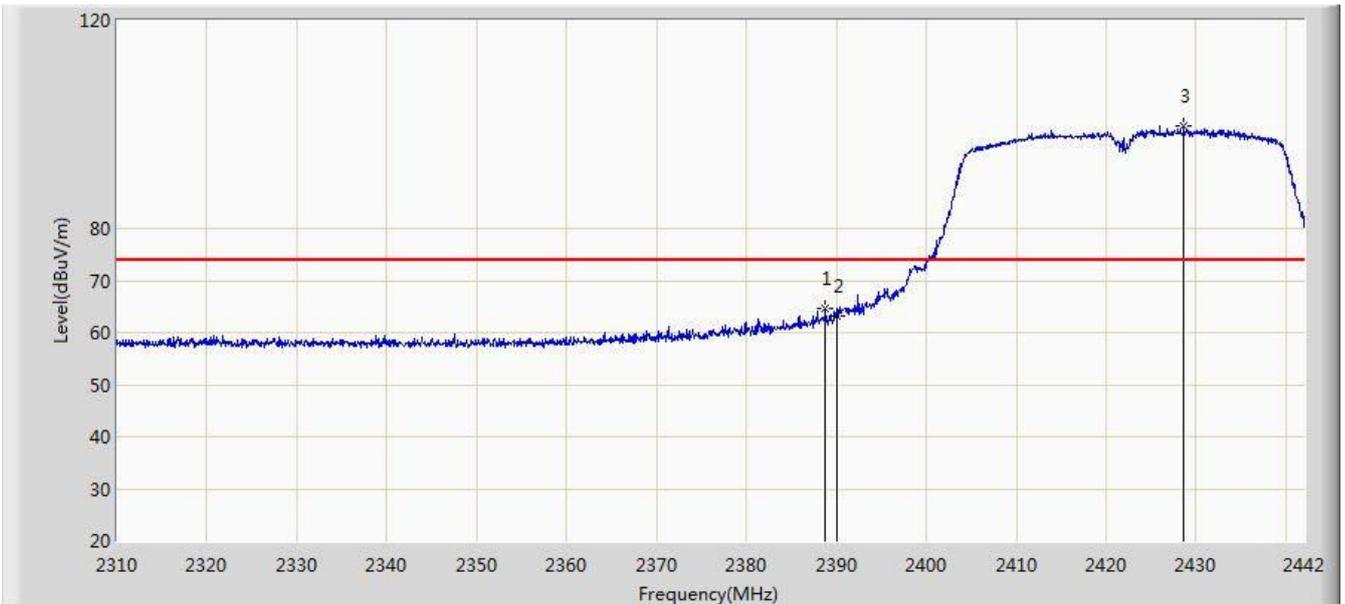| Site: AC1 | Time: 2015/04/22 - 23:45 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2462MHz by 802.11n-HT20 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2466.976 | 95.489 | 64.341 | N/A | N/A | 31.148 | AV |
| 2 | | | 2483.500 | 53.148 | 21.955 | -0.852 | 54.000 | 31.194 | AV |

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

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

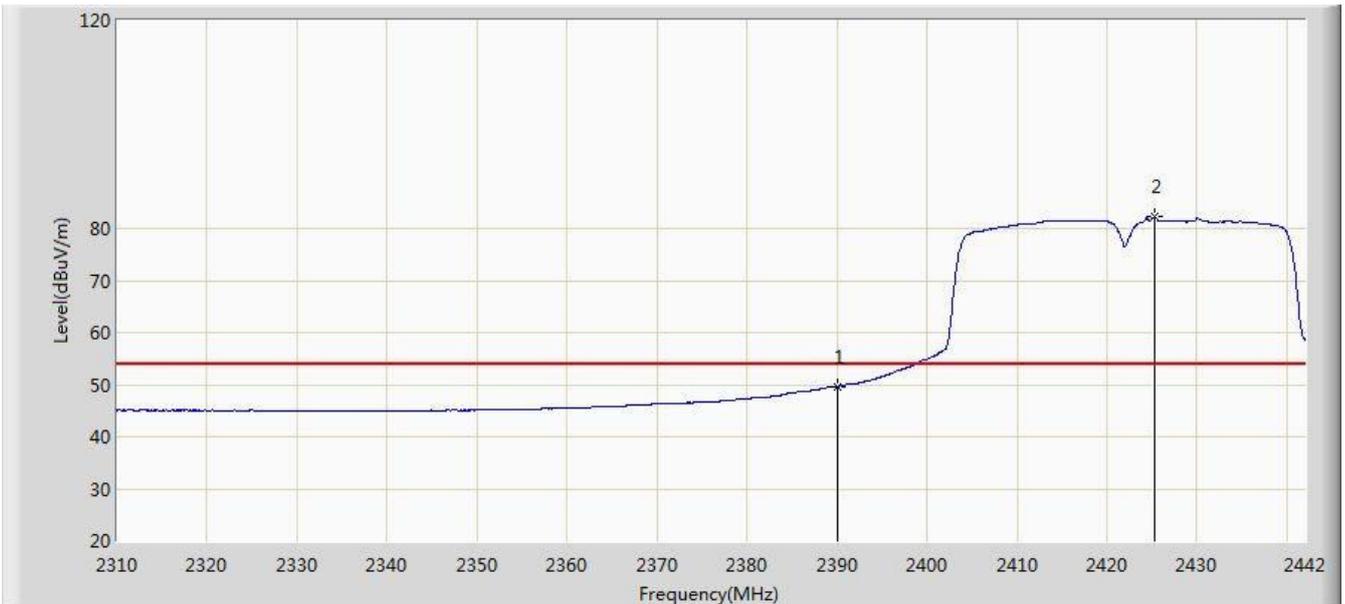| Site: AC1 | Time: 2015/04/22 - 23:50 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2388.804 | 64.517 | 33.312 | -9.483 | 74.000 | 31.205 | PK |
| 2 | | | 2390.000 | 63.307 | 32.104 | -10.693 | 74.000 | 31.203 | PK |
| 3 | | * | 2428.668 | 99.819 | 68.678 | N/A | N/A | 31.140 | PK |

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

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

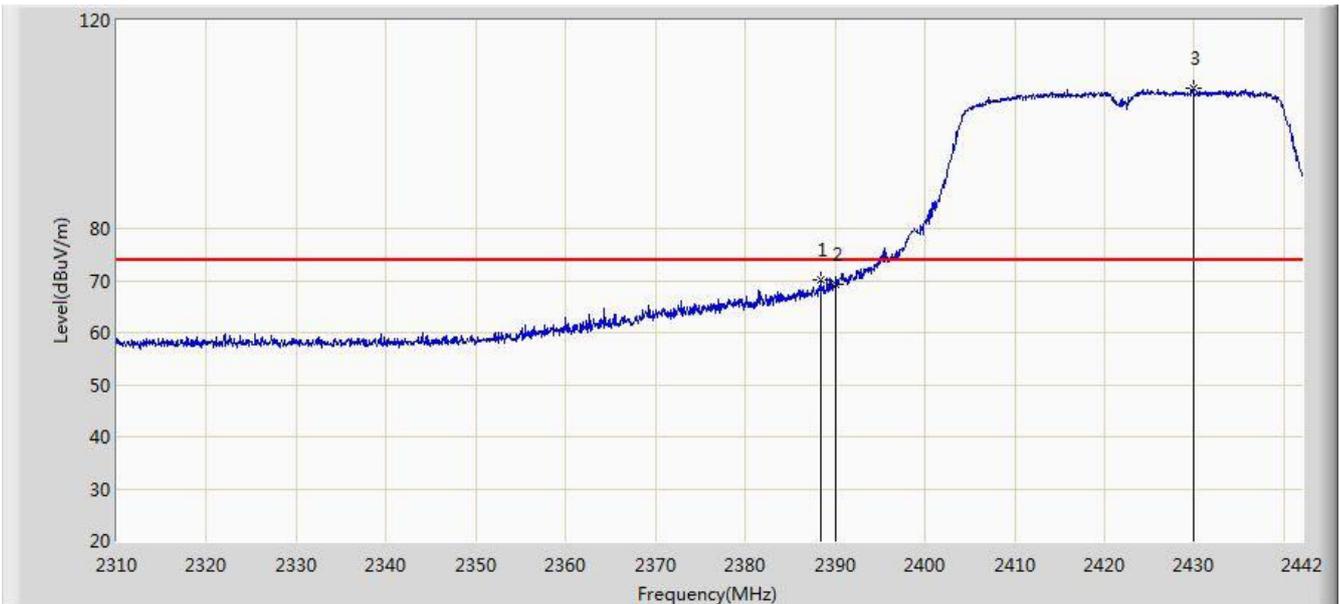| Site: AC1 | Time: 2015/04/22 - 23:50 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 49.633 | 18.430 | -4.367 | 54.000 | 31.203 | AV |
| 2 | | * | 2425.302 | 82.302 | 51.155 | N/A | N/A | 31.146 | AV |

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

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

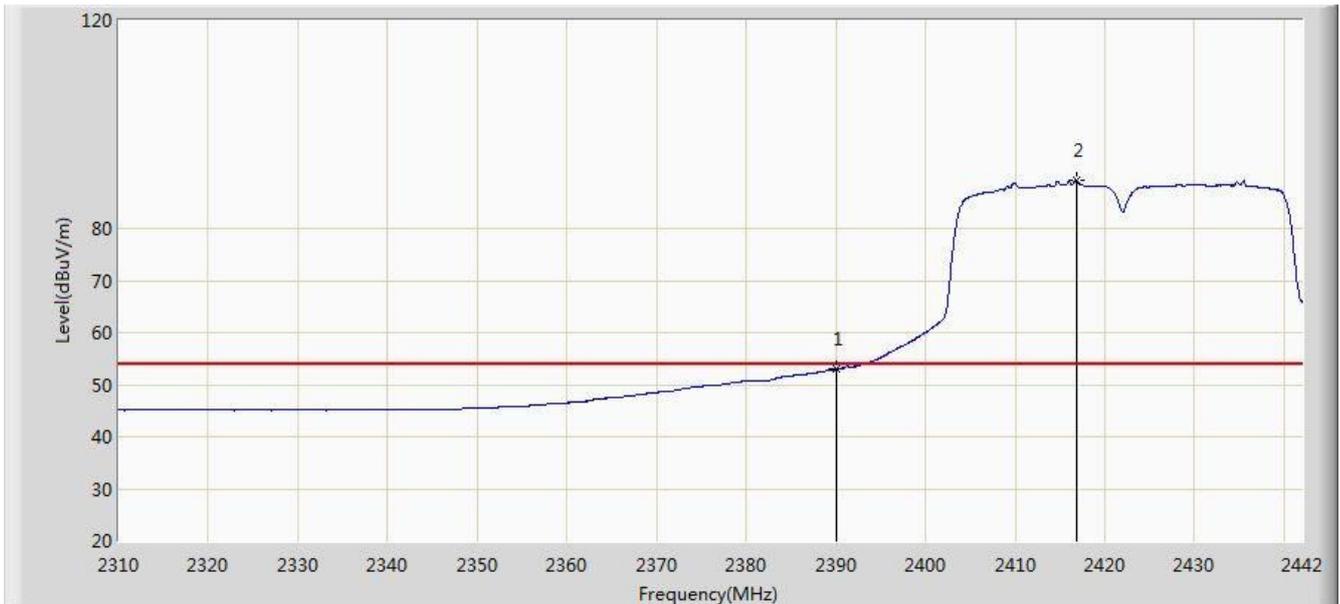| Site: AC1 | Time: 2015/04/22 - 23:53 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2388.342 | 70.275 | 39.069 | -3.725 | 74.000 | 31.206 | PK |
| 2 | | | 2390.000 | 69.151 | 37.948 | -4.849 | 74.000 | 31.203 | PK |
| 3 | | * | 2429.922 | 107.042 | 75.904 | N/A | N/A | 31.138 | PK |

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

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

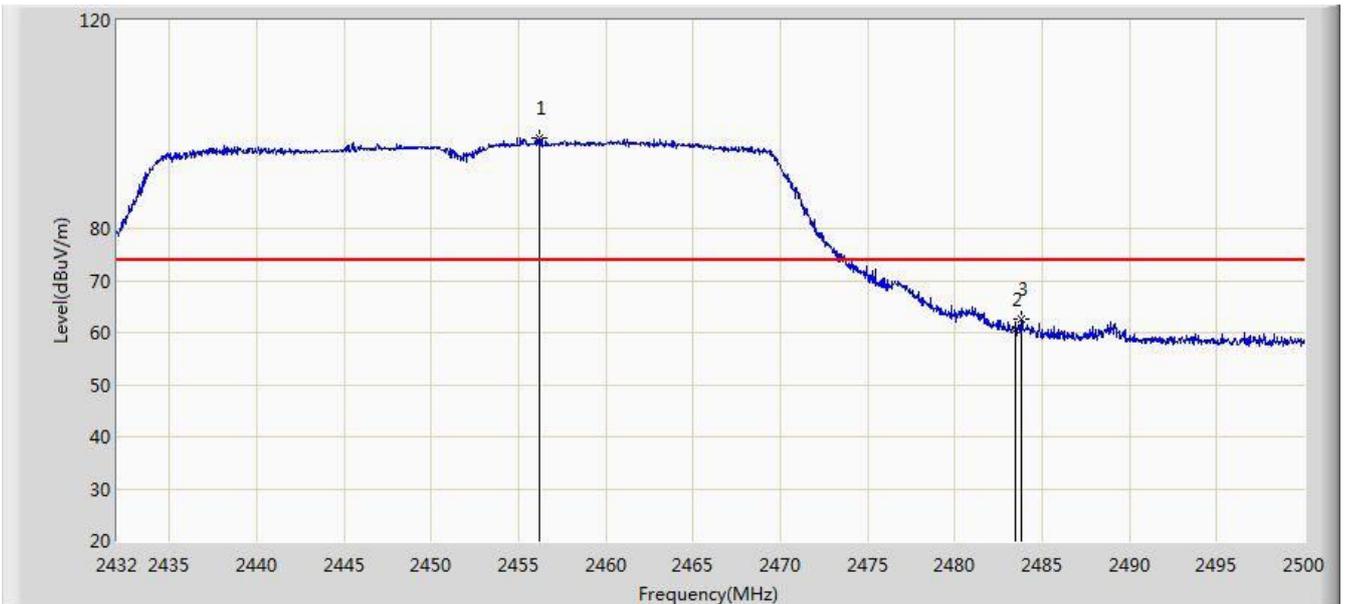| Site: AC1 | Time: 2015/04/22 - 23:53 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2422MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 52.926 | 21.723 | -1.074 | 54.000 | 31.203 | AV |
| 2 | | * | 2416.854 | 89.217 | 58.056 | N/A | N/A | 31.161 | AV |

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

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

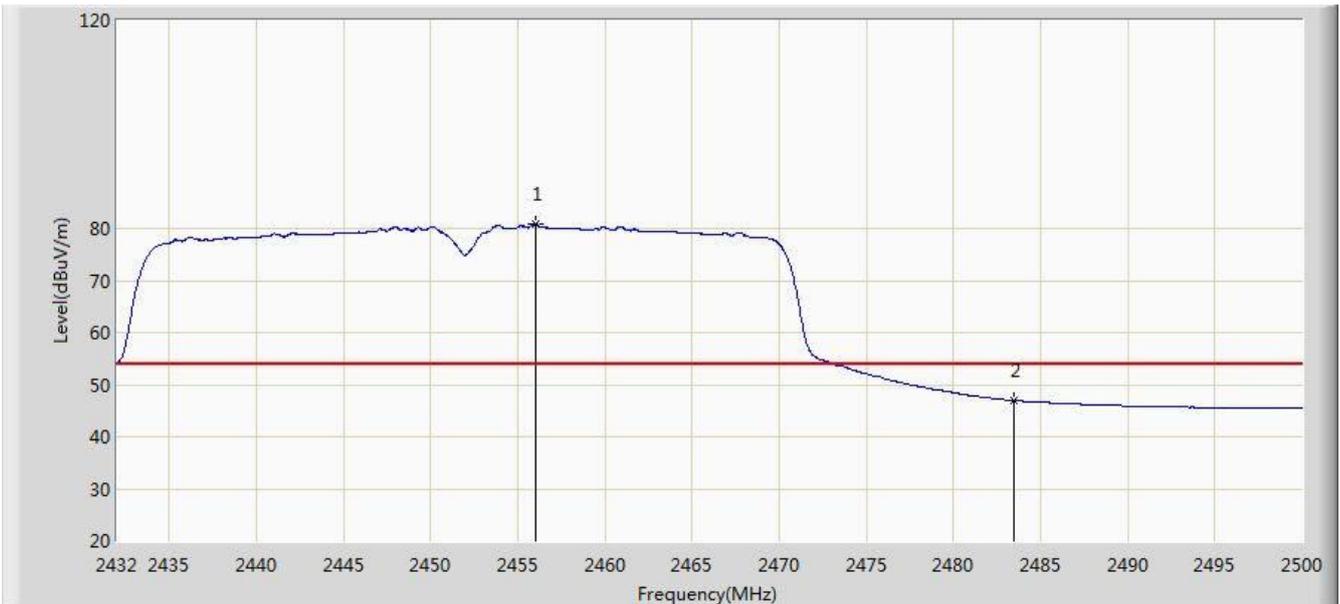| Site: AC1 | Time: 2015/04/22 - 23:58 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2456.174 | 97.502 | 66.377 | N/A | N/A | 31.125 | PK |
| 2 | | | 2483.500 | 60.561 | 29.368 | -13.439 | 74.000 | 31.194 | PK |
| 3 | | | 2483.850 | 62.609 | 31.415 | -11.391 | 74.000 | 31.194 | PK |

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

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

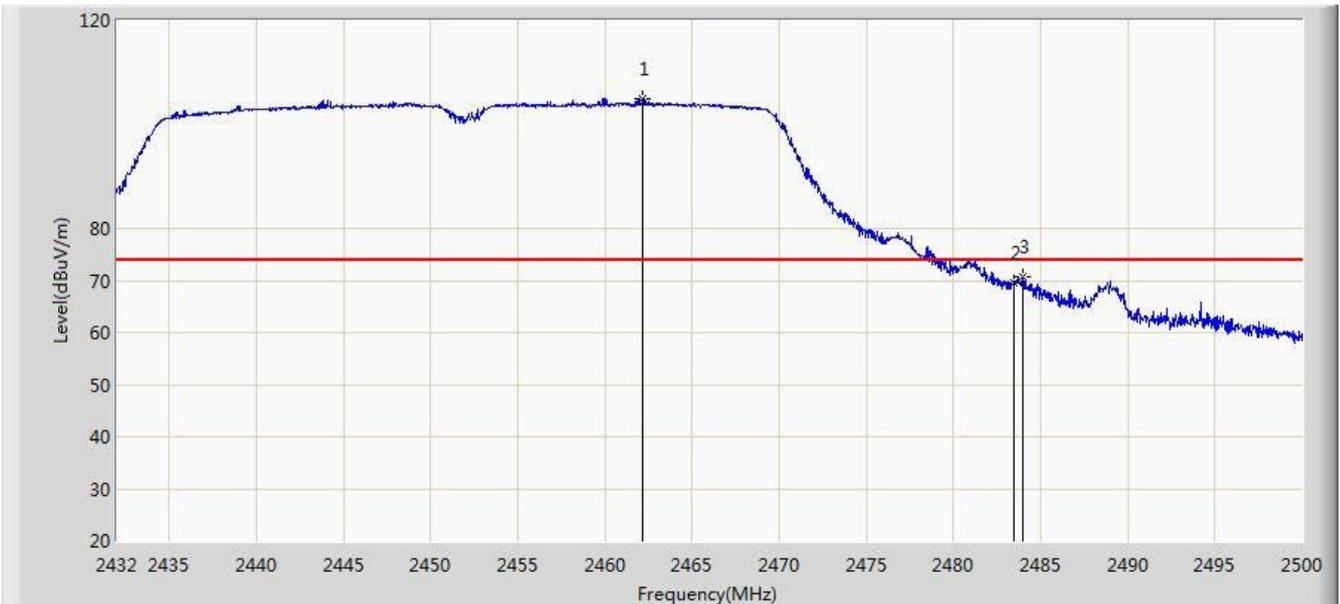| Site: AC1 | Time: 2015/04/22 - 23:59 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2456.072 | 80.819 | 49.694 | N/A | N/A | 31.125 | AV |
| 2 | | | 2483.500 | 46.953 | 15.760 | -7.047 | 54.000 | 31.194 | AV |

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

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

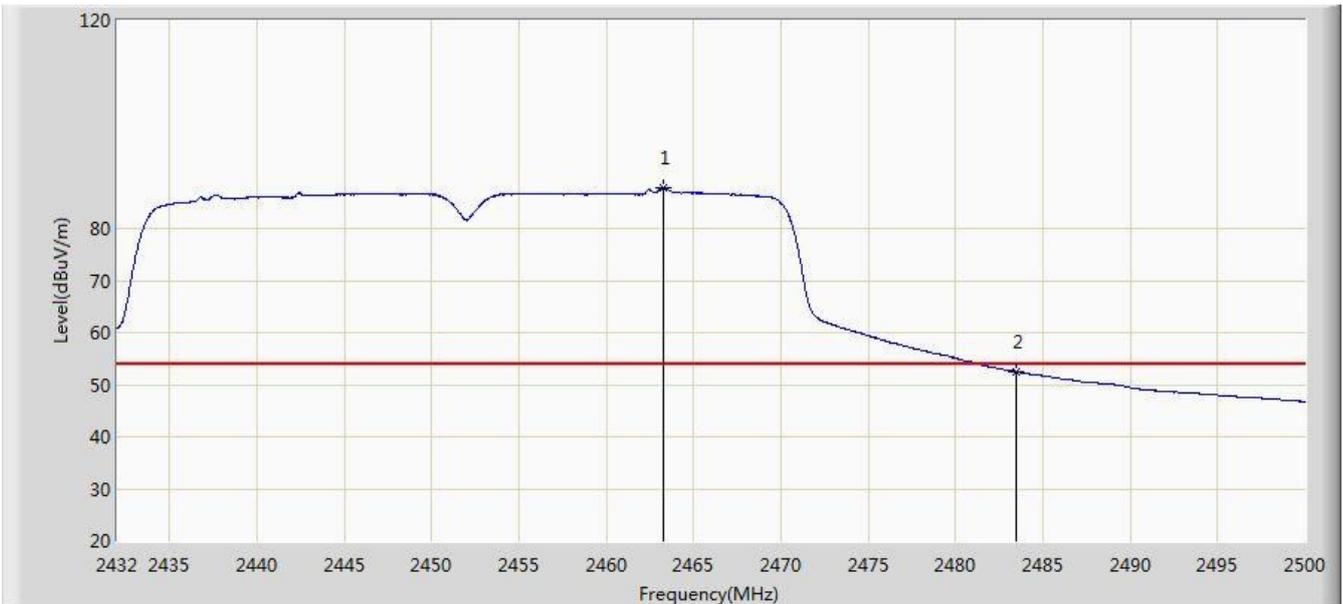| Site: AC1 | Time: 2015/04/23 - 00:02 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2462.192 | 104.964 | 73.828 | N/A | N/A | 31.136 | PK |
| 2 | | | 2483.500 | 69.425 | 38.232 | -4.575 | 74.000 | 31.194 | PK |
| 3 | | | 2484.020 | 70.642 | 39.447 | -3.358 | 74.000 | 31.195 | PK |

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

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

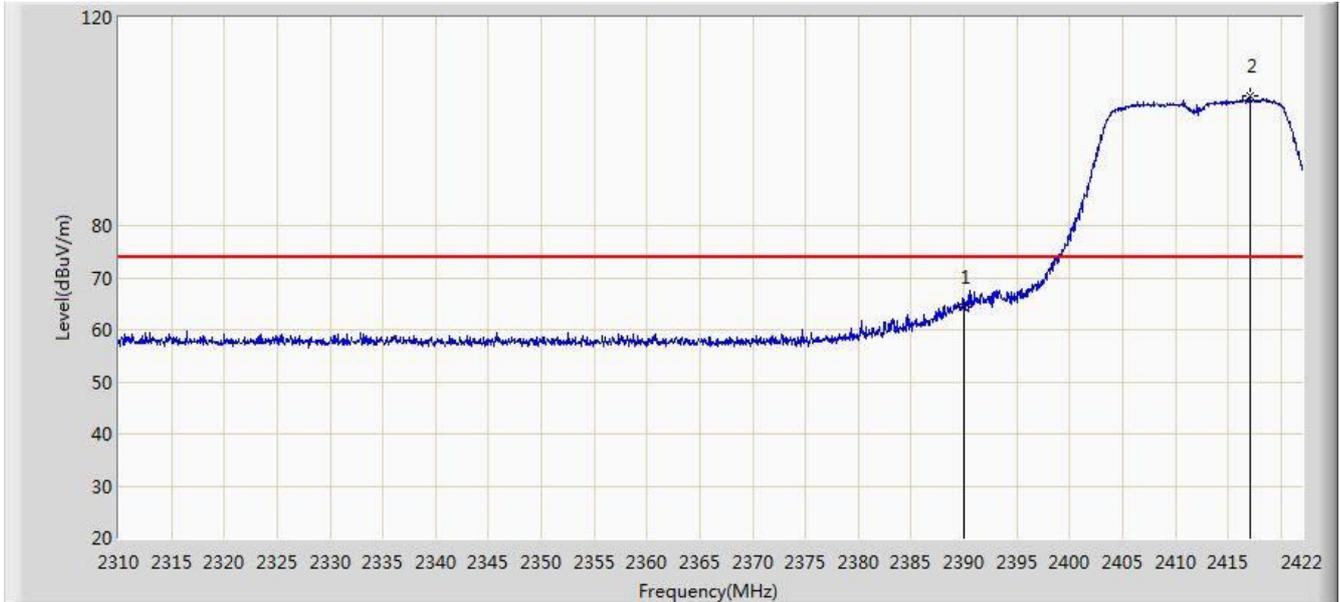| Site: AC1 | Time: 2015/04/23 - 00:01 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2452MHz by 802.11n-HT40 1Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 2463.280 | 87.872 | 56.734 | N/A | N/A | 31.138 | AV |
| 2 | | | 2483.500 | 52.447 | 21.254 | -1.553 | 54.000 | 31.194 | AV |

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

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

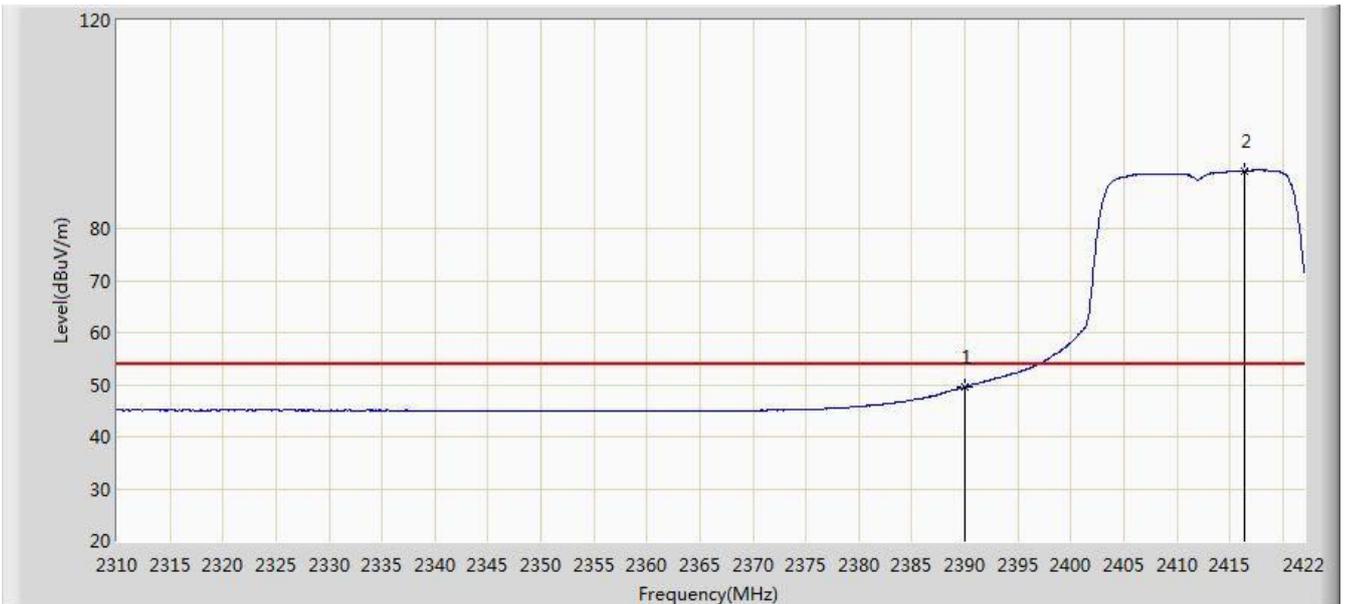| Site: AC1 | Time: 2015/04/23 - 00:30 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 2Tx ||



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 64.398 | 33.195 | -9.602 | 74.000 | 31.203 | PK |
| 2 | | * | 2417.072 | 105.023 | 73.862 | N/A | N/A | 31.161 | PK |

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

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

| Site: AC1 | Time: 2015/04/23 - 00:30 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Roy Cheng |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: 802.11ac Dual Band Module | Power: AC 120V/60Hz |
| Test Mode: Transmit at channel 2412MHz by 802.11n-HT20 2Tx | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 2390.000 | 49.562 | 18.359 | -4.438 | 54.000 | 31.203 | AV |
| 2 | | * | 2416.344 | 91.147 | 59.985 | N/A | N/A | 31.162 | AV |

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

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