

## 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**

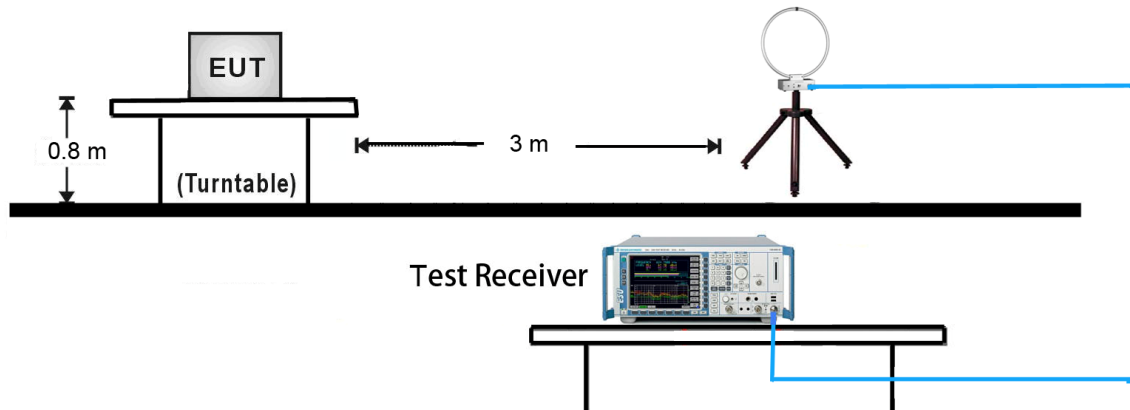
| Frequency     | RBW           |
|---------------|---------------|
| 9 ~ 150 kHz   | 200 ~ 300 Hz  |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz    |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz    | 1 MHz         |

**Average Field Strength Measurements per Section 12.2.5.3 of KDB 558074 D01v03r02**

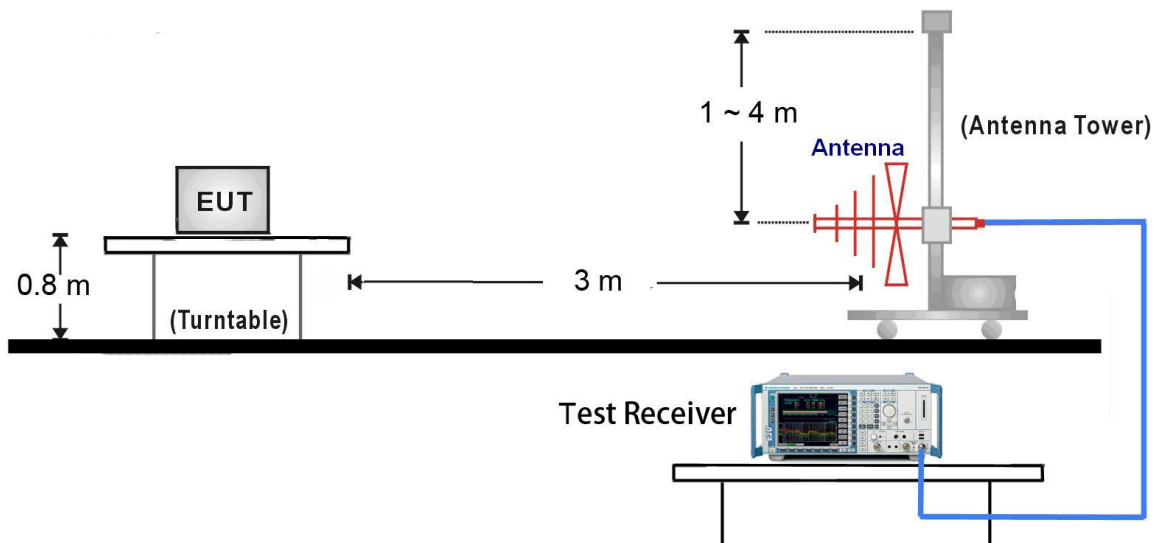
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

#### 7.6.4. Test Setup

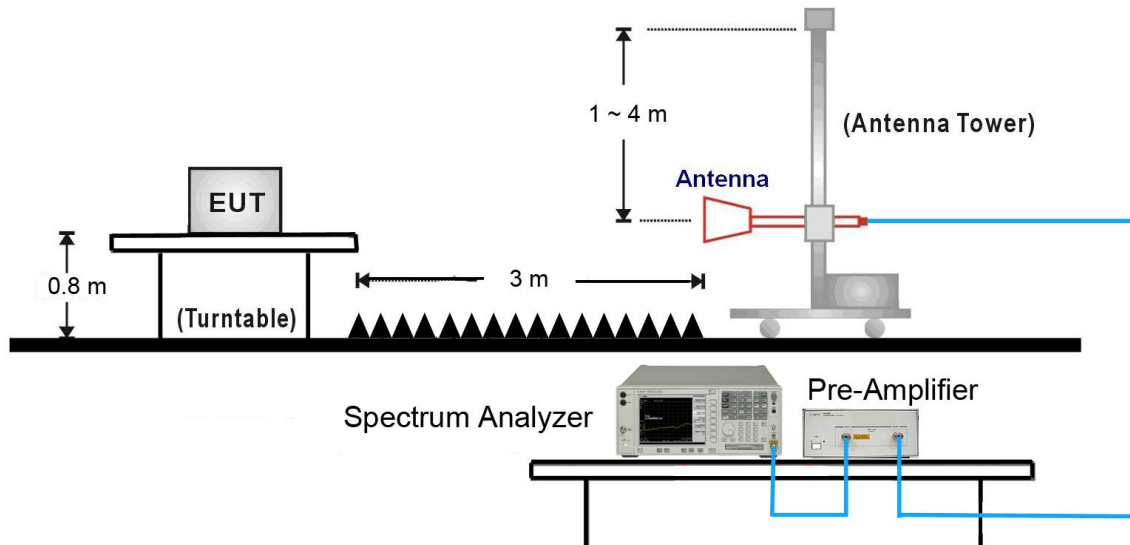
##### 9kHz ~ 30MHz Test Setup:



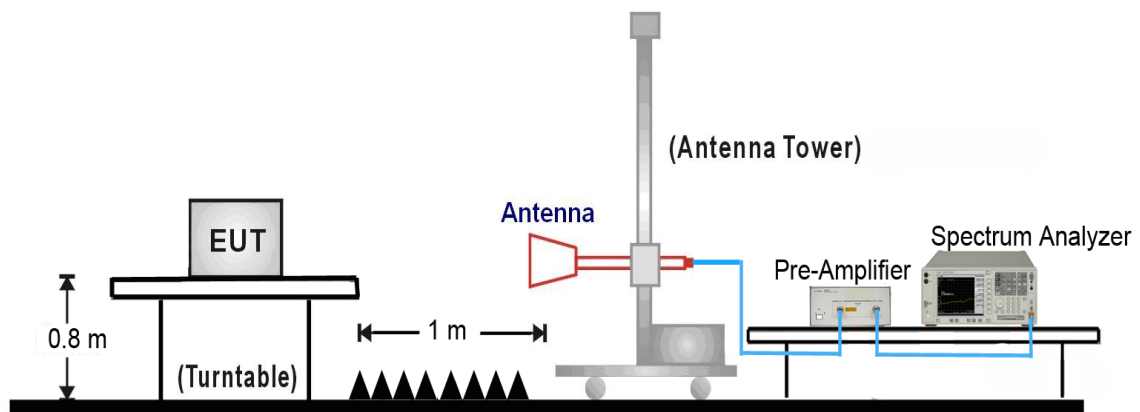
##### 30MHz ~ 1GHz Test Setup:



### 1GHz ~ 18GHz Test Setup:



### 18GHz ~25GHz Test Setup:



### 7.6.5. Test Result

|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11b                                                                                                                                                                           | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 3201.5          | 37.7                 | 3.5         | 41.2                   | 91.7           | -50.5       | Peak     | Horizontal   |
| *    | 3575.5          | 36.3                 | 4.0         | 40.3                   | 91.7           | -51.4       | Peak     | Horizontal   |
|      | 4825.0          | 45.6                 | 6.4         | 52.0                   | 74.0           | -22.0       | Peak     | Horizontal   |
|      | 4825.0          | 44.5                 | 6.4         | 50.9                   | 54.0           | -3.1        | Average  | Horizontal   |
|      | 7570.5          | 34.5                 | 14.7        | 49.2                   | 74.0           | -24.8       | Peak     | Horizontal   |
| *    | 6244.5          | 36.9                 | 9.4         | 46.3                   | 91.7           | -45.4       | Peak     | Vertical     |
| *    | 7247.5          | 37.1                 | 13.8        | 50.9                   | 91.7           | -40.8       | Peak     | Vertical     |
|      | 8148.5          | 33.9                 | 14.9        | 48.8                   | 74.0           | -25.2       | Peak     | Vertical     |
|      | 9032.5          | 34.1                 | 14.5        | 48.6                   | 74.0           | -25.4       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.7dBμV/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:    | 802.11b                                                                                                                                                                           | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 3320.5          | 37.3                 | 3.1         | 40.4                   | 91.2           | -50.8       | Peak     | Horizontal   |
| *    | 4468.0          | 38.2                 | 5.6         | 43.8                   | 91.2           | -47.4       | Peak     | Horizontal   |
|      | 4876.0          | 44.0                 | 6.6         | 50.6                   | 74.0           | -23.4       | Peak     | Horizontal   |
|      | 4874.0          | 42.6                 | 6.6         | 49.2                   | 54.0           | -4.8        | Average  | Horizontal   |
|      | 7502.5          | 34.4                 | 14.5        | 48.9                   | 74.0           | -25.1       | Peak     | Horizontal   |
| *    | 3320.5          | 37.3                 | 3.1         | 40.4                   | 91.2           | -50.8       | Peak     | Vertical     |
| *    | 3490.5          | 37.2                 | 3.8         | 41.0                   | 91.2           | -50.2       | Peak     | Vertical     |
|      | 4876.0          | 38.7                 | 6.6         | 45.3                   | 74.0           | -28.7       | Peak     | Vertical     |
|      | 7502.5          | 34.6                 | 14.5        | 49.1                   | 74.0           | -24.9       | Peak     | Vertical     |

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

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

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

|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11b                                                                                                                                                                           | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 3448.0          | 37.3                 | 3.5         | 40.8                   | 92.1           | -51.3       | Peak     | Horizontal   |
| *    | 4493.5          | 37.3                 | 5.6         | 42.9                   | 92.1           | -49.2       | Peak     | Horizontal   |
|      | 4927.0          | 45.8                 | 6.7         | 52.5                   | 74.0           | -21.5       | Peak     | Horizontal   |
|      | 4924.0          | 44.3                 | 6.7         | 51.0                   | 54.0           | -3.0        | Average  | Horizontal   |
|      | 7375.0          | 35.3                 | 14.1        | 49.4                   | 74.0           | -24.6       | Peak     | Horizontal   |
| *    | 3490.5          | 36.3                 | 3.8         | 40.1                   | 92.1           | -52.0       | Peak     | Vertical     |
| *    | 4425.5          | 37.1                 | 5.5         | 42.6                   | 92.1           | -49.5       | Peak     | Vertical     |
|      | 4927.0          | 39.1                 | 6.7         | 45.8                   | 74.0           | -28.2       | Peak     | Vertical     |
|      | 7536.5          | 33.8                 | 14.6        | 48.4                   | 74.0           | -25.6       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (112.1dBμV/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)

|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11g                                                                                                                                                                           | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 3439.5          | 36.9                 | 3.5         | 40.4                   | 91.9           | -51.5       | Peak     | Horizontal   |
| *    | 4485.0          | 37.1                 | 5.6         | 42.7                   | 91.9           | -49.2       | Peak     | Horizontal   |
|      | 4825.0          | 39.5                 | 6.4         | 45.9                   | 74.0           | -28.1       | Peak     | Horizontal   |
|      | 7613.0          | 34.2                 | 14.6        | 48.8                   | 74.0           | -25.2       | Peak     | Horizontal   |
| *    | 3456.5          | 37.4                 | 3.6         | 41.0                   | 91.9           | -50.9       | Peak     | Vertical     |
| *    | 4459.5          | 37.2                 | 5.5         | 42.7                   | 91.9           | -49.2       | Peak     | Vertical     |
|      | 4824.0          | 37.8                 | 6.4         | 44.2                   | 74.0           | -29.8       | Peak     | Vertical     |
|      | 5428.5          | 37.9                 | 7.0         | 44.9                   | 74.0           | -29.1       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (111.9dBμV/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)



|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11g                                                                                                                                                                           | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 3516.0          | 36.3                 | 3.9         | 40.2                   | 91.3           | -51.1       | Peak     | Horizontal   |
| *    | 4442.5          | 36.7                 | 5.5         | 42.2                   | 91.3           | -49.1       | Peak     | Horizontal   |
|      | 4876.0          | 40.4                 | 6.6         | 47.0                   | 74.0           | -27.0       | Peak     | Horizontal   |
|      | 7400.5          | 34.4                 | 14.1        | 48.5                   | 74.0           | -25.5       | Peak     | Horizontal   |
| *    | 3490.5          | 37.0                 | 3.8         | 40.8                   | 91.3           | -50.5       | Peak     | Vertical     |
| *    | 4459.5          | 36.2                 | 5.5         | 41.7                   | 91.3           | -49.6       | Peak     | Vertical     |
|      | 4876.0          | 37.3                 | 6.6         | 43.9                   | 74.0           | -30.1       | Peak     | Vertical     |
|      | 7400.5          | 34.4                 | 14.1        | 48.5                   | 74.0           | -25.5       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc 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:    | 802.11g                                                                                                                                                                           | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 3567.0          | 36.5                 | 4.1         | 40.6                   | 90.7           | -50.1       | Peak     | Horizontal   |
| *    | 4408.5          | 36.7                 | 5.5         | 42.2                   | 90.7           | -48.5       | Peak     | Horizontal   |
|      | 4927.0          | 38.4                 | 6.7         | 45.1                   | 74.0           | -28.9       | Peak     | Horizontal   |
|      | 5386.0          | 36.9                 | 6.9         | 43.8                   | 74.0           | -30.2       | Peak     | Horizontal   |
| *    | 4408.5          | 37.7                 | 5.5         | 43.2                   | 90.7           | -47.5       | Peak     | Vertical     |
| *    | 5624.0          | 36.4                 | 7.5         | 43.9                   | 90.7           | -46.8       | Peak     | Vertical     |
|      | 7273.0          | 34.0                 | 13.9        | 47.9                   | 74.0           | -26.1       | Peak     | Vertical     |
|      | 8318.5          | 33.5                 | 14.4        | 47.9                   | 74.0           | -26.1       | Peak     | Vertical     |

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

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

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

|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11n-HT20                                                                                                                                                                      | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 5216.0          | 36.6                 | 6.8         | 43.4                   | 90.9           | -47.5       | Peak     | Horizontal   |
| *    | 6091.5          | 37.0                 | 8.4         | 45.4                   | 90.9           | -45.5       | Peak     | Horizontal   |
|      | 7434.5          | 34.7                 | 14.2        | 48.9                   | 74.0           | -25.1       | Peak     | Horizontal   |
|      | 8165.5          | 33.1                 | 14.8        | 47.9                   | 74.0           | -26.1       | Peak     | Horizontal   |
| *    | 4459.5          | 35.9                 | 5.5         | 41.4                   | 90.9           | -49.5       | Peak     | Vertical     |
| *    | 5309.5          | 37.9                 | 6.7         | 44.6                   | 90.9           | -46.3       | Peak     | Vertical     |
|      | 7604.5          | 34.7                 | 14.6        | 49.3                   | 74.0           | -24.7       | Peak     | Vertical     |
|      | 8480.0          | 35.7                 | 14.6        | 50.3                   | 74.0           | -23.7       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (110.9dBμV/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)

|               |                                                                                                                                                                                   |                |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Test Mode:    | 802.11n-HT20                                                                                                                                                                      | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 6134.0          | 37.1                 | 8.7         | 45.8                   | 89.6           | -43.8       | Peak     | Horizontal   |
| *    | 7026.5          | 35.4                 | 12.9        | 48.3                   | 89.6           | -41.3       | Peak     | Horizontal   |
|      | 8216.5          | 34.6                 | 14.6        | 49.2                   | 74.0           | -24.8       | Peak     | Horizontal   |
|      | 9049.5          | 34.8                 | 14.5        | 49.3                   | 74.0           | -24.7       | Peak     | Horizontal   |
| *    | 4442.5          | 37.5                 | 5.5         | 43.0                   | 89.6           | -46.6       | Peak     | Vertical     |
| *    | 5522.0          | 36.5                 | 7.0         | 43.5                   | 89.6           | -46.1       | Peak     | Vertical     |
|      | 7332.5          | 34.8                 | 14.0        | 48.8                   | 74.0           | -25.2       | Peak     | Vertical     |
|      | 8259.0          | 33.8                 | 14.4        | 48.2                   | 74.0           | -25.8       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc 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:    | 802.11n-HT20                                                                                                                                                                      | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 4485.0          | 36.3                 | 5.6         | 41.9                   | 89.4           | -47.5       | Peak     | Horizontal   |
| *    | 5649.5          | 37.9                 | 7.6         | 45.5                   | 89.4           | -43.9       | Peak     | Horizontal   |
|      | 7502.5          | 33.8                 | 14.5        | 48.3                   | 74.0           | -25.7       | Peak     | Horizontal   |
|      | 8386.5          | 34.2                 | 14.4        | 48.6                   | 74.0           | -25.4       | Peak     | Horizontal   |
| *    | 4442.5          | 36.8                 | 5.5         | 42.3                   | 89.4           | -47.1       | Peak     | Vertical     |
| *    | 5479.5          | 37.2                 | 7.0         | 44.2                   | 89.4           | -45.2       | Peak     | Vertical     |
|      | 7443.0          | 34.8                 | 14.2        | 49.0                   | 74.0           | -25.0       | Peak     | Vertical     |
|      | 8420.5          | 36.2                 | 14.5        | 50.7                   | 74.0           | -23.3       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (109.4dBμV/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:    | 802.11n-HT40                                                                                                                                                                      | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 4485.0          | 36.7                 | 5.6         | 42.3                   | 86.3           | -44.0       | Peak     | Horizontal   |
| *    | 6015.0          | 37.6                 | 8.4         | 46.0                   | 86.3           | -40.3       | Peak     | Horizontal   |
|      | 7400.5          | 34.8                 | 14.1        | 48.9                   | 74.0           | -25.1       | Peak     | Horizontal   |
|      | 8480.0          | 36.4                 | 14.6        | 51.0                   | 74.0           | -23.0       | Peak     | Horizontal   |
| *    | 4476.5          | 37.5                 | 5.6         | 43.1                   | 86.3           | -43.2       | Peak     | Vertical     |
| *    | 5751.5          | 37.6                 | 7.8         | 45.4                   | 86.3           | -40.9       | Peak     | Vertical     |
|      | 7281.5          | 34.6                 | 13.9        | 48.5                   | 74.0           | -25.5       | Peak     | Vertical     |
|      | 8199.5          | 33.9                 | 14.6        | 48.5                   | 74.0           | -25.5       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (106.3dBμV/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                                                                                                                                                                      | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 4485.0          | 36.2                 | 5.6         | 41.8                   | 87.2           | -45.4       | Peak     | Horizontal   |
| *    | 6380.5          | 34.9                 | 9.9         | 44.8                   | 87.2           | -42.4       | Peak     | Horizontal   |
|      | 7502.5          | 34.1                 | 14.5        | 48.6                   | 74.0           | -25.4       | Peak     | Horizontal   |
|      | 8097.5          | 33.8                 | 15.1        | 48.9                   | 74.0           | -25.1       | Peak     | Horizontal   |
| *    | 4425.5          | 36.9                 | 5.5         | 42.4                   | 87.2           | -44.8       | Peak     | Vertical     |
| *    | 5879.0          | 37.1                 | 8.3         | 45.4                   | 87.2           | -41.8       | Peak     | Vertical     |
|      | 7434.5          | 34.5                 | 14.2        | 48.7                   | 74.0           | -25.3       | Peak     | Vertical     |
|      | 8233.5          | 33.3                 | 14.5        | 47.8                   | 74.0           | -26.2       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (107.2dBμV/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                                                                                                                                                                      | 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
| *    | 4476.5          | 37.9                 | 5.6         | 43.5                   | 85.0           | -41.5       | Peak     | Horizontal   |
| *    | 5207.5          | 36.5                 | 6.9         | 43.4                   | 85.0           | -41.6       | Peak     | Horizontal   |
|      | 7366.5          | 34.6                 | 14.0        | 48.6                   | 74.0           | -25.4       | Peak     | Horizontal   |
|      | 8097.5          | 33.8                 | 15.1        | 48.9                   | 74.0           | -25.1       | Peak     | Horizontal   |
| *    | 4459.5          | 36.6                 | 5.5         | 42.1                   | 85.0           | -42.9       | Peak     | Vertical     |
| *    | 5190.5          | 35.8                 | 7.0         | 42.8                   | 85.0           | -42.2       | Peak     | Vertical     |
|      | 7596.0          | 33.6                 | 14.6        | 48.2                   | 74.0           | -25.8       | Peak     | Vertical     |
|      | 8250.5          | 33.0                 | 14.4        | 47.4                   | 74.0           | -26.6       | Peak     | Vertical     |

Note 1: "\*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.0dBμV/m).

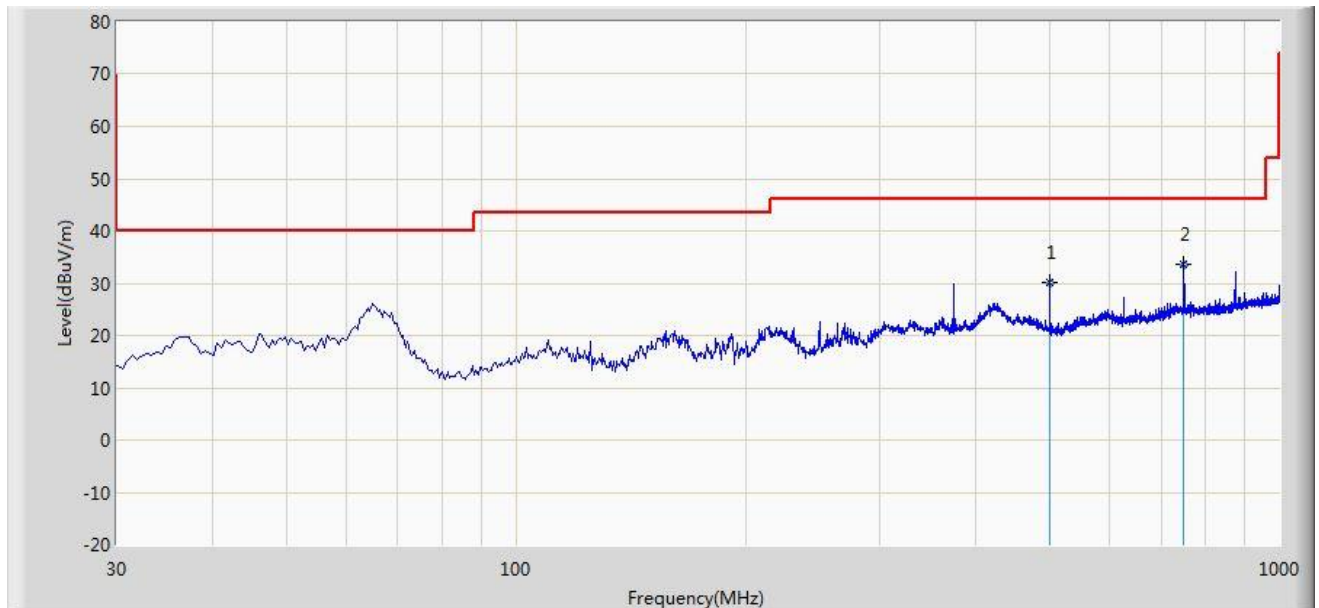
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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



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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/22 - 14:14 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: VULB9162_0.03-8GHz                            | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2437MHz |                          |

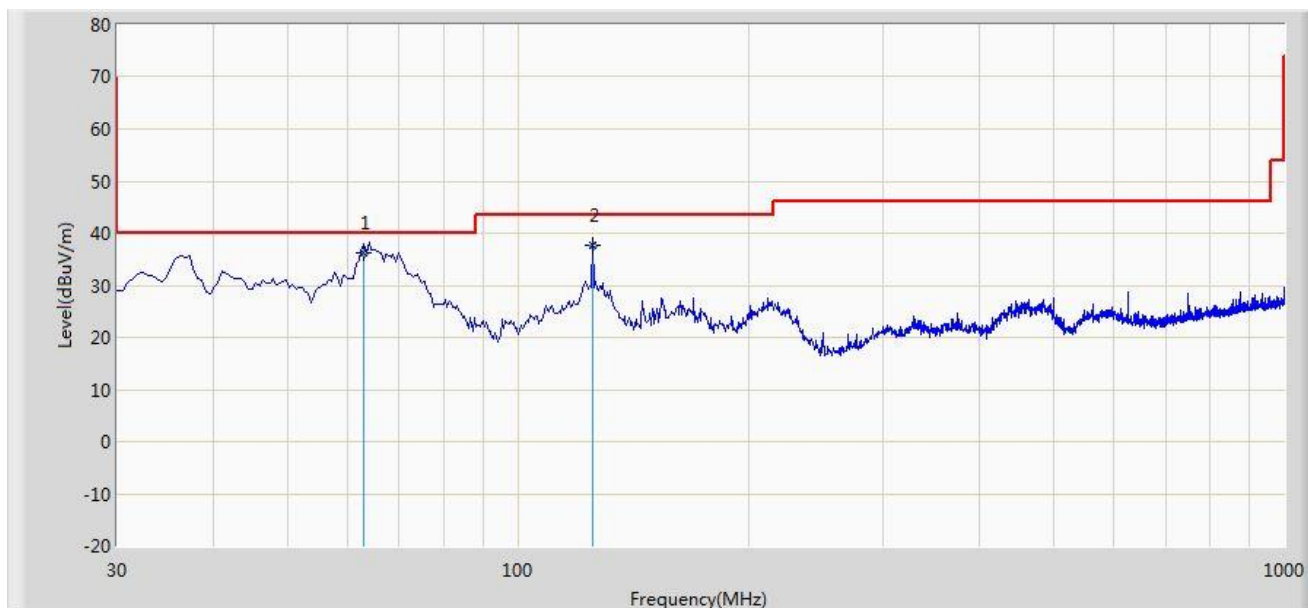


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 499.987         | 30.232                 | 12.490               | -15.768         | 46.000         | 17.741      | QP   |
| 2  |      | *    | 750.224         | 33.573                 | 12.040               | -12.427         | 46.000         | 21.532      | QP   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/22 - 14:14 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: VULB9162_0.03-8GHz                            | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2437MHz |                          |

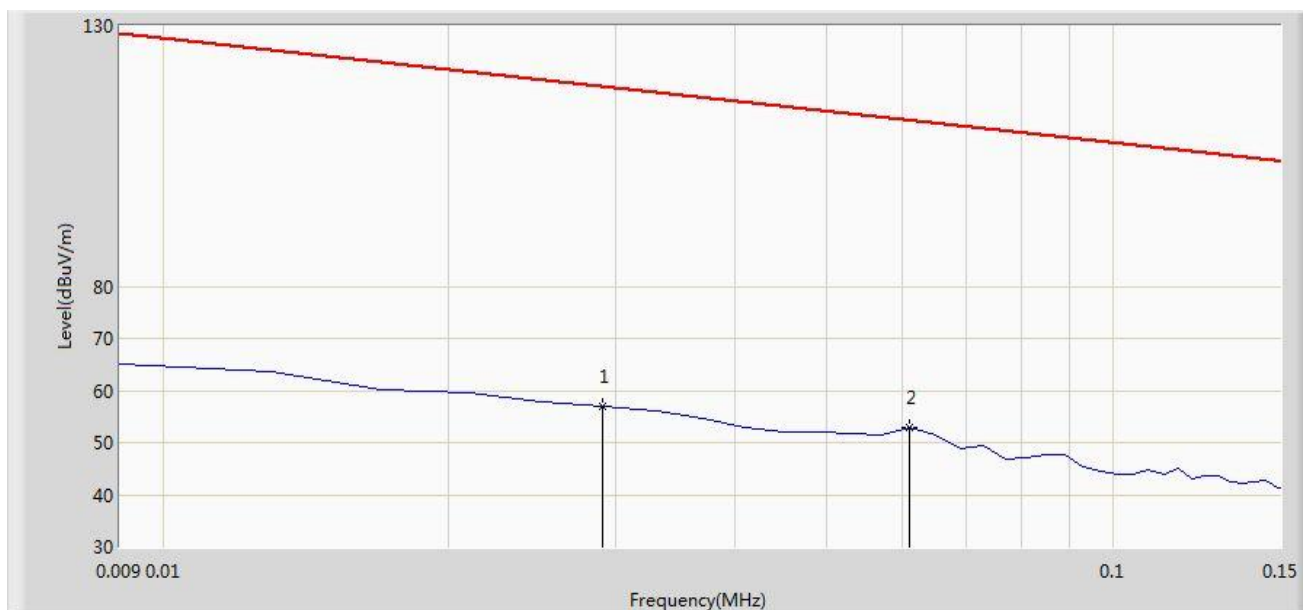


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 62.967          | 36.283                 | 23.270               | -3.717          | 40.000         | 13.013      | QP   |
| 2  |      |      | 125.055         | 37.793                 | 27.540               | -5.707          | 43.500         | 10.253      | QP   |

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

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

|                                                                            |                          |
|----------------------------------------------------------------------------|--------------------------|
| Engineer: Roy Cheng                                                        |                          |
| Site: AC1                                                                  | Time: 2014/09/20 - 18:12 |
| Limit: FCC_Part15.209_RE(3m)                                               | Margin: 0                |
| Probe: FMZB1519_0.009-30MHz                                                | Polarity: Face on        |
| EUT: Unified Wired-WLAN Walljack                                           | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b> |                          |

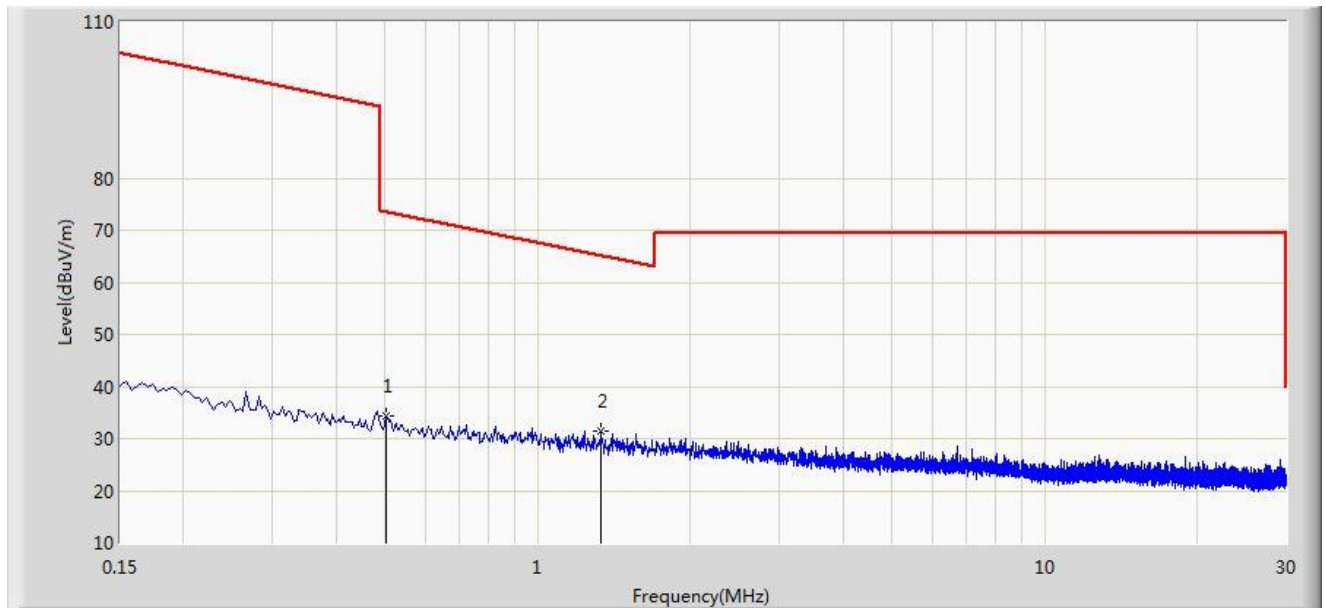


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 0.029           | 56.893                 | 35.844               | -61.449         | 118.342        | 21.049      | QP   |
| 2  |      | *    | 0.061           | 52.853                 | 32.542               | -59.034         | 111.887        | 20.311      | QP   |

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

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

|                                                                            |                          |
|----------------------------------------------------------------------------|--------------------------|
| Engineer: Roy Cheng                                                        |                          |
| Site: AC1                                                                  | Time: 2014/09/20 - 18:16 |
| Limit: FCC_Part15.209_RE(3m)                                               | Margin: 0                |
| Probe: FMZB1519_0.009-30MHz                                                | Polarity: Face on        |
| EUT: Unified Wired-WLAN Walljack                                           | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b> |                          |

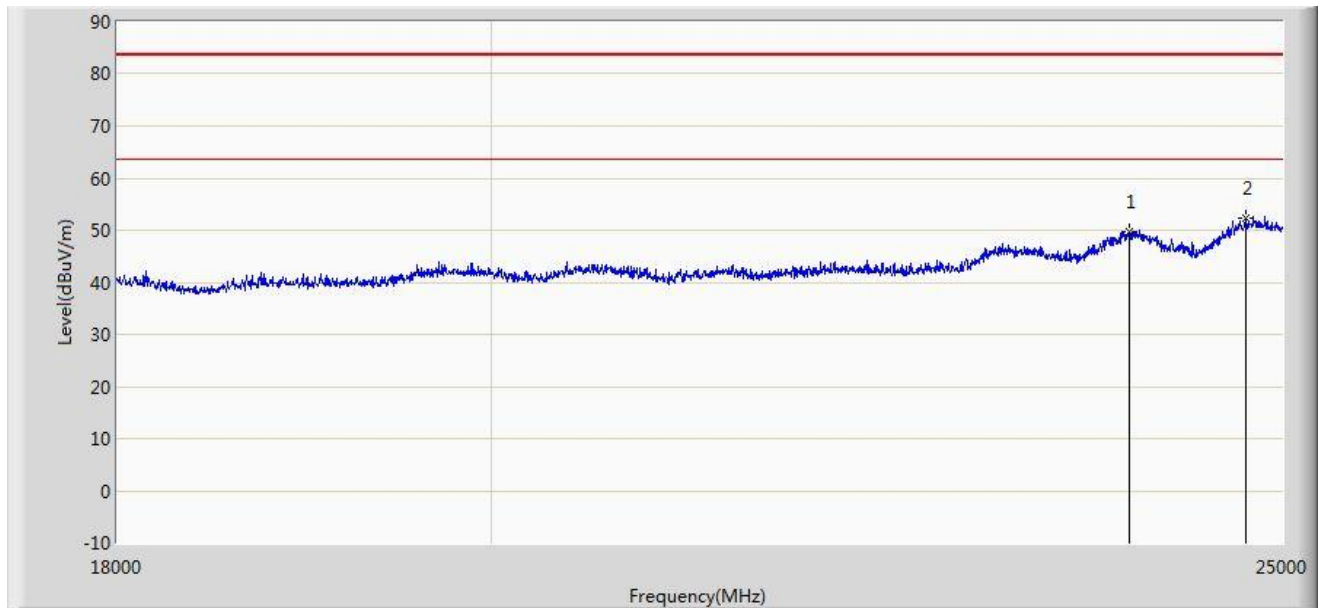


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 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

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

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

|                                                                             |                          |
|-----------------------------------------------------------------------------|--------------------------|
| Engineer: Roy Cheng                                                         |                          |
| Site: AC1                                                                   | Time: 2014/09/20 - 21:20 |
| Limit: FCC_Part15.209_RE(1m)                                                | Margin: 0                |
| Probe: BBHA9170_18-40GHz                                                    | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                                            | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 18GHz~25GHz.</b> |                          |

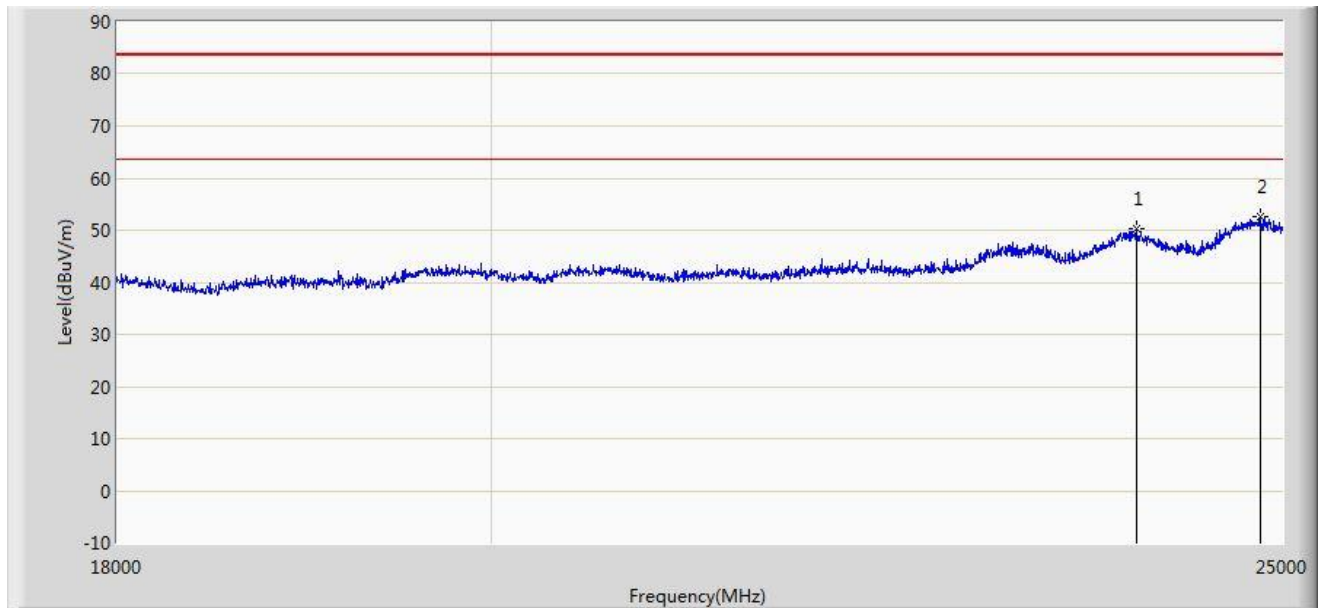


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 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

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

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

|                                                                             |                          |
|-----------------------------------------------------------------------------|--------------------------|
| Engineer: Roy Cheng                                                         |                          |
| Site: AC1                                                                   | Time: 2014/09/20 - 21:32 |
| Limit: FCC_Part15.209_RE(1m)                                                | Margin: 0                |
| Probe: BBHA9170_18-40GHz                                                    | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                                            | Power: AC 120V/60Hz      |
| <b>Note: There is the ambient noise within frequency range 18GHz~25GHz.</b> |                          |



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

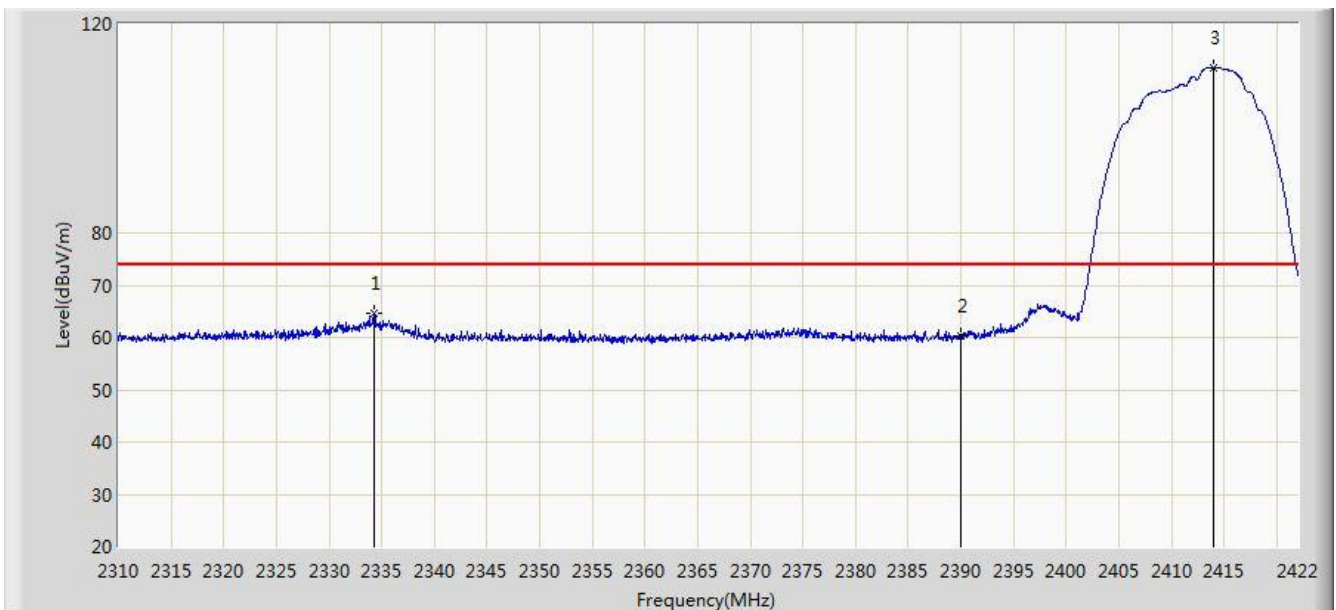
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 20:50 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2412MHz |                          |

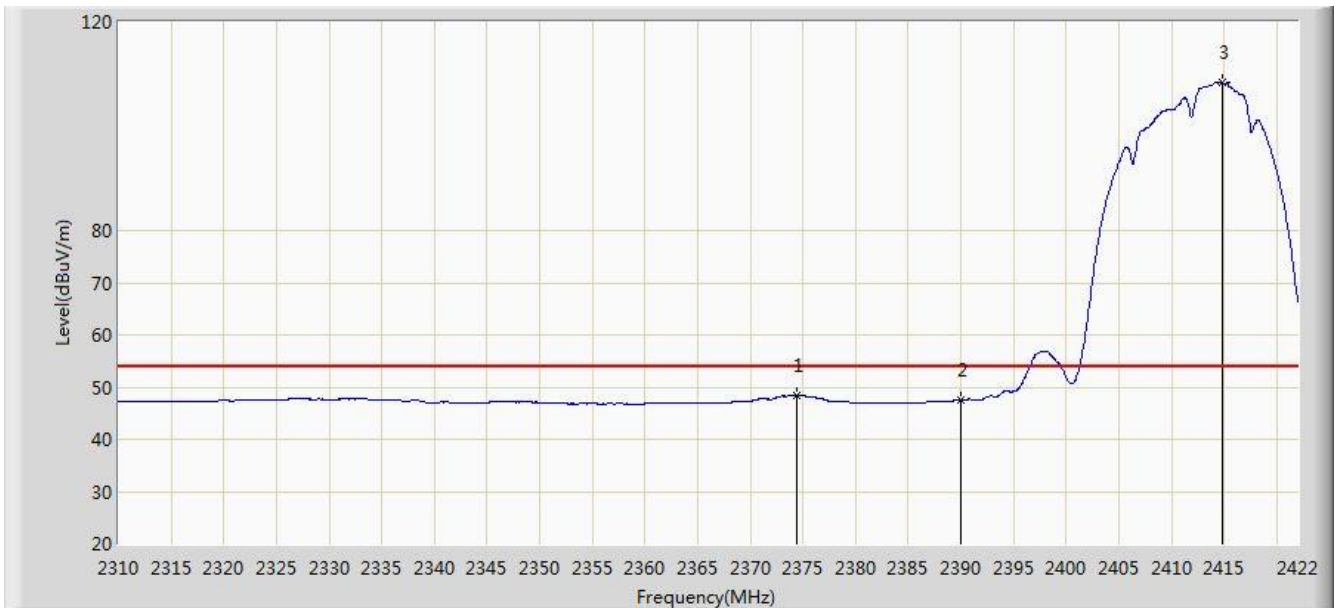


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2334.248        | 64.578                 | 33.730               | -9.422          | 74.000         | 30.847      | PK   |
| 2  |      |      | 2390.000        | 60.399                 | 29.715               | -13.601         | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2413.936        | 111.712                | 81.070               | N/A             | N/A            | 30.641      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 20:55 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2412MHz |                          |



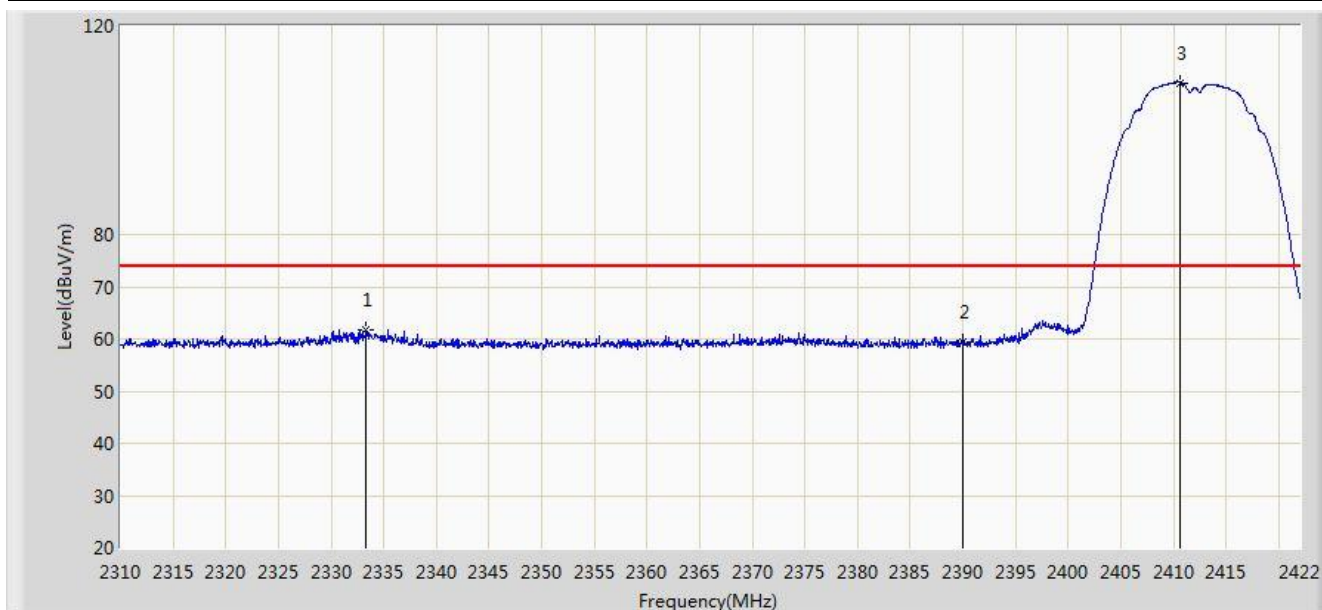
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2374.400        | 48.437                 | 17.718               | -5.563          | 54.000         | 30.719      | AV   |
| 2  |      |      | 2390.000        | 47.544                 | 16.860               | -6.456          | 54.000         | 30.684      | AV   |
| 3  |      | *    | 2414.776        | 108.524                | 77.884               | N/A             | N/A            | 30.640      | AV   |

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

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



|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:04 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2412MHz |                          |

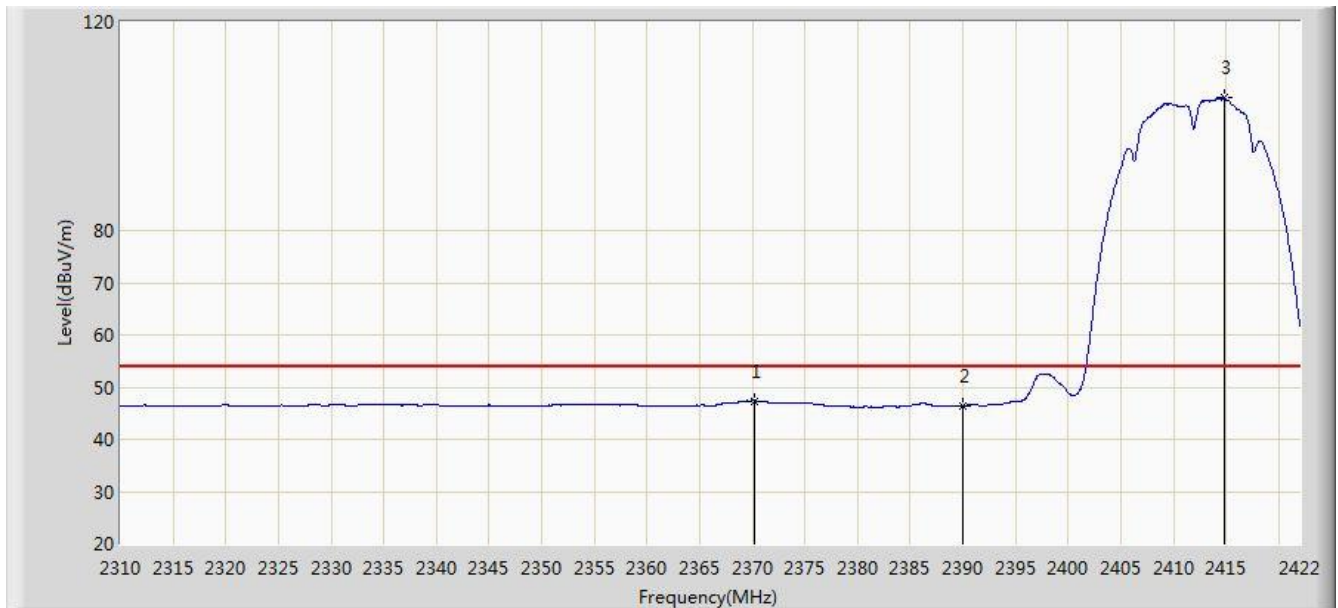


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2333.352        | 61.762                 | 30.912               | -12.238         | 74.000         | 30.852      | PK   |
| 2  |      |      | 2390.000        | 59.378                 | 28.694               | -14.622         | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2410.632        | 109.125                | 78.478               | N/A             | N/A            | 30.647      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:04 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b 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  |      |      | 2370.200        | 47.384                 | 16.655               | -6.616          | 54.000         | 30.729      | AV   |
| 2  |      |      | 2390.000        | 46.402                 | 15.718               | -7.598          | 54.000         | 30.684      | AV   |
| 3  |      | *    | 2414.776        | 105.408                | 74.768               | N/A             | N/A            | 30.640      | AV   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:05 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2462MHz |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2460.568        | 112.133                | 81.524               | N/A             | N/A            | 30.609      | PK   |
| 2  |      |      | 2483.500        | 59.291                 | 28.618               | -14.709         | 74.000         | 30.673      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:10 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2462MHz |                          |

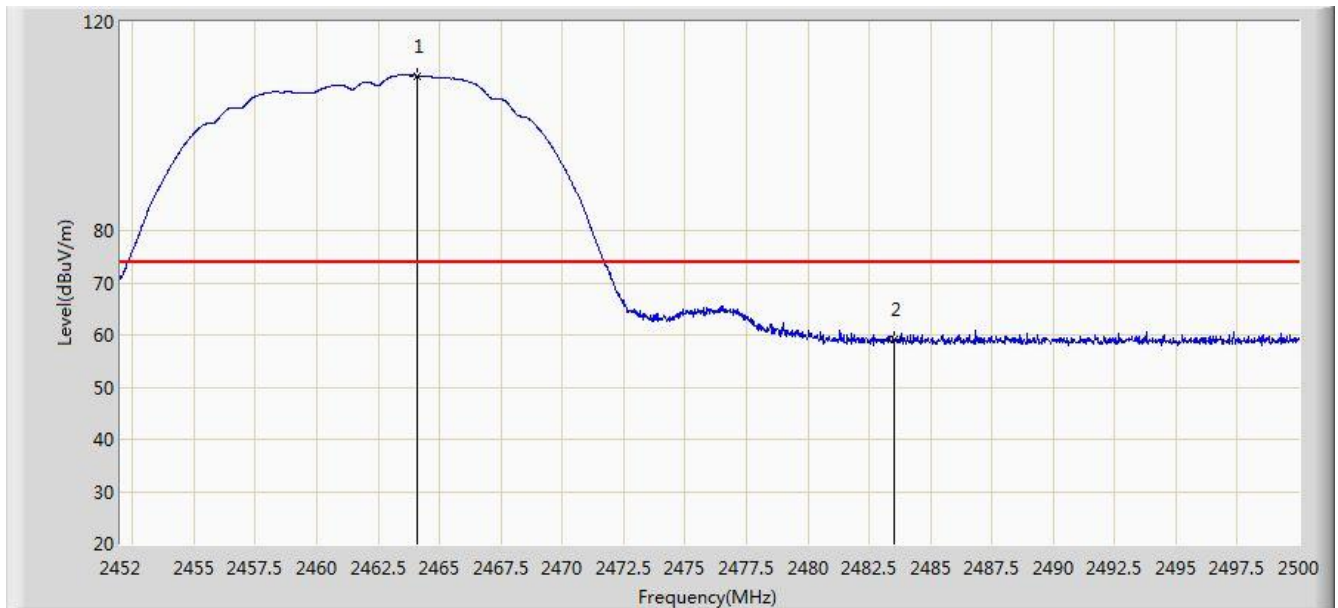


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2459.728        | 107.169                | 76.561               | N/A             | N/A            | 30.608      | AV   |
| 2  |      |      | 2483.500        | 46.725                 | 16.052               | -7.275          | 54.000         | 30.673      | AV   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:11 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2462MHz |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2464.072        | 109.615                | 78.999               | N/A             | N/A            | 30.615      | PK   |
| 2  |      |      | 2483.500        | 59.270                 | 28.597               | -14.730         | 74.000         | 30.673      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:14 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 1: Transmit by 802.11b at channel 2462MHz |                          |

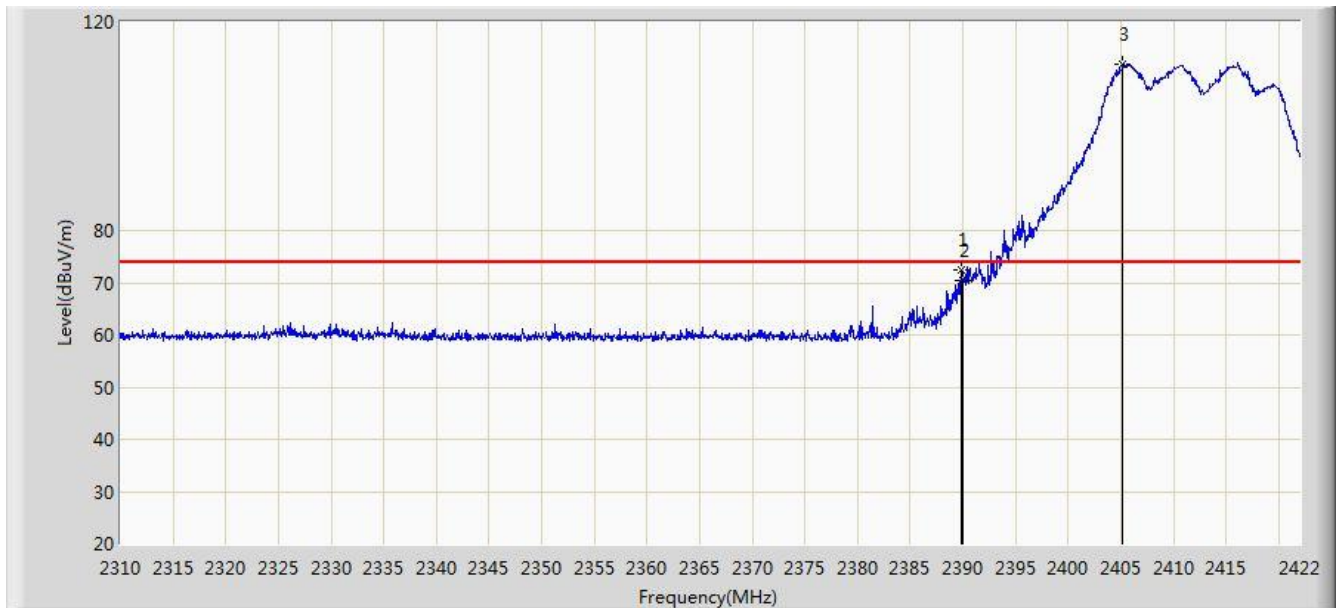


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2462.728        | 106.099                | 75.486               | N/A             | N/A            | 30.613      | AV   |
| 2  |      |      | 2483.500        | 46.196                 | 15.523               | -7.804          | 54.000         | 30.673      | AV   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:26 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2412MHz |                          |

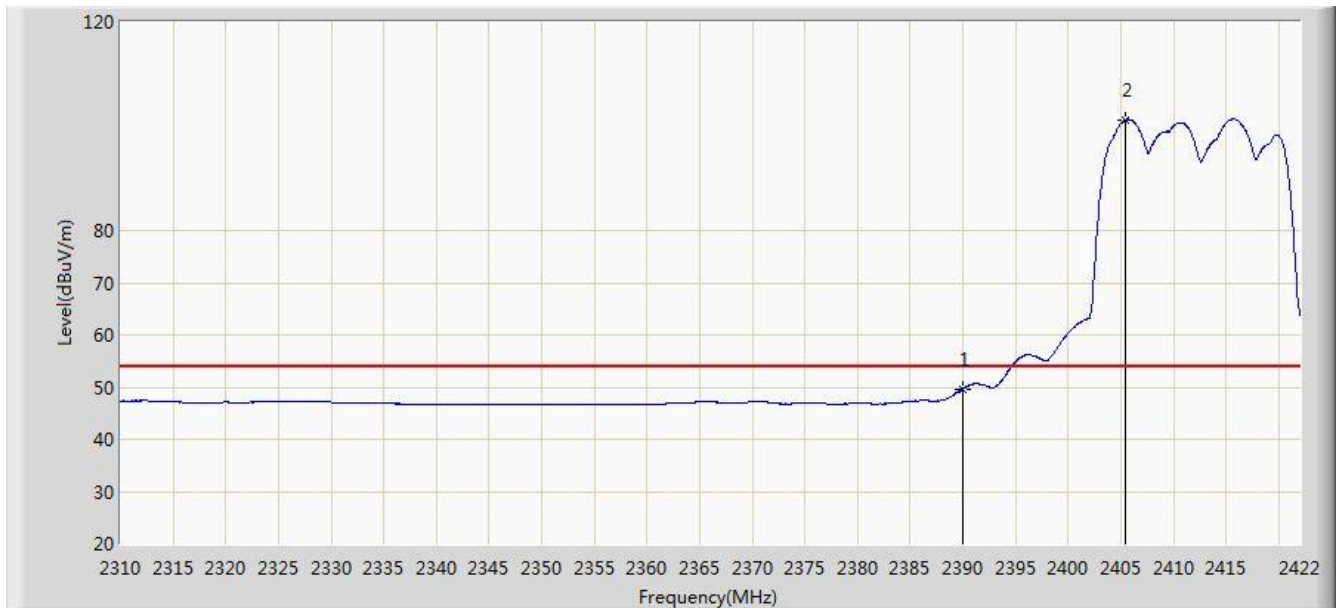


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2389.856        | 72.530                 | 41.846               | -1.470          | 74.000         | 30.684      | PK   |
| 2  |      |      | 2390.000        | 70.527                 | 39.843               | -3.473          | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2405.200        | 111.871                | 81.215               | N/A             | N/A            | 30.656      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:29 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2412MHz |                          |



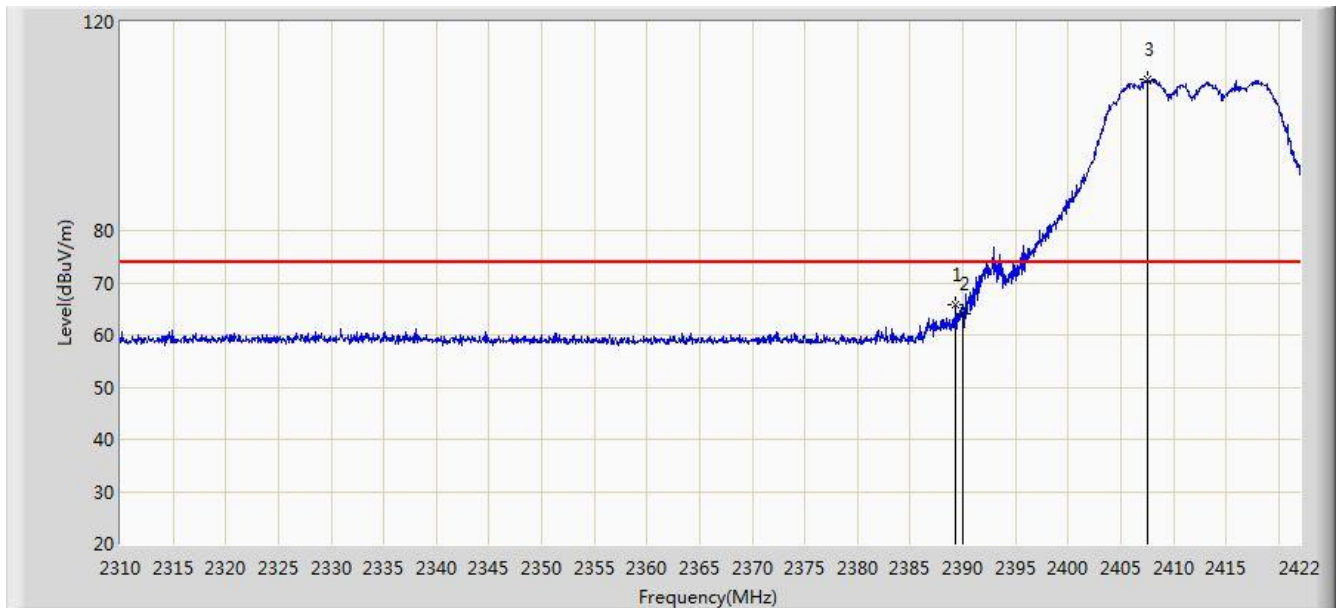
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2390.000        | 49.698                 | 19.014               | -4.302          | 54.000         | 30.684      | AV   |
| 2  |      | *    | 2405.480        | 101.226                | 70.571               | N/A             | N/A            | 30.655      | AV   |

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

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



|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:31 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2412MHz |                          |

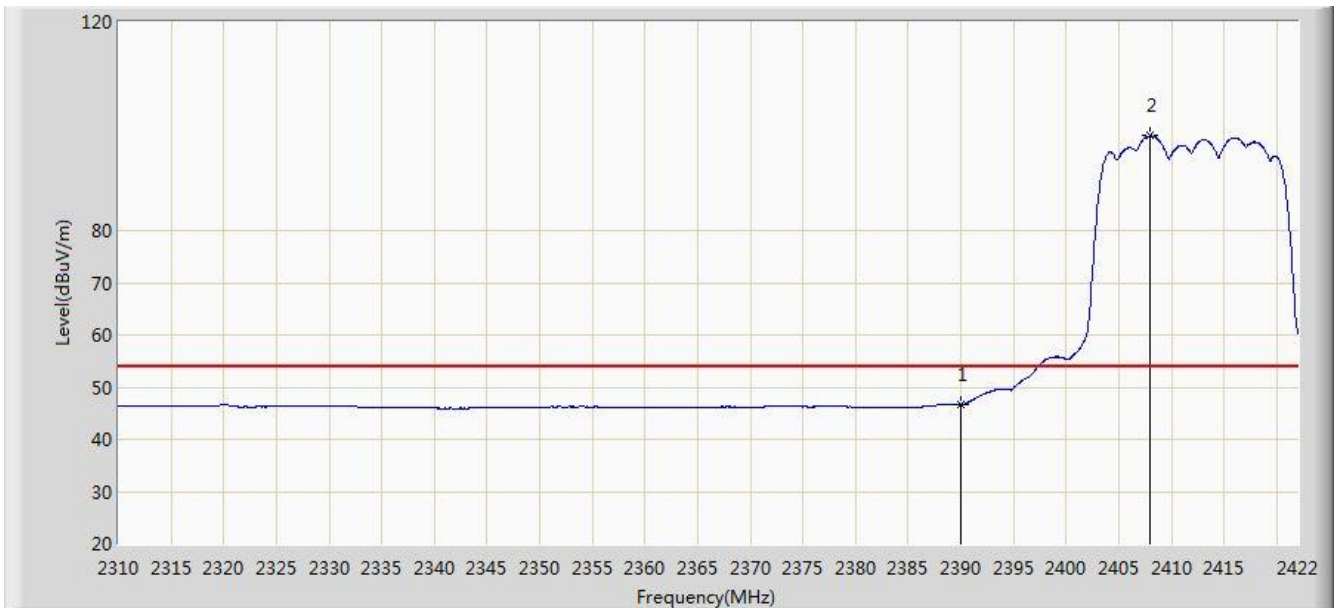


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2389.352        | 65.816                 | 35.131               | -8.184          | 74.000         | 30.685      | PK   |
| 2  |      |      | 2390.000        | 64.054                 | 33.370               | -9.946          | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2407.552        | 109.015                | 78.363               | N/A             | N/A            | 30.652      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:34 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: 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  |      |      | 2390.000        | 46.642                 | 15.958               | -7.358          | 54.000         | 30.684      | AV   |
| 2  |      | *    | 2408.000        | 98.128                 | 67.477               | N/A             | N/A            | 30.652      | AV   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:46 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2462MHz |                          |

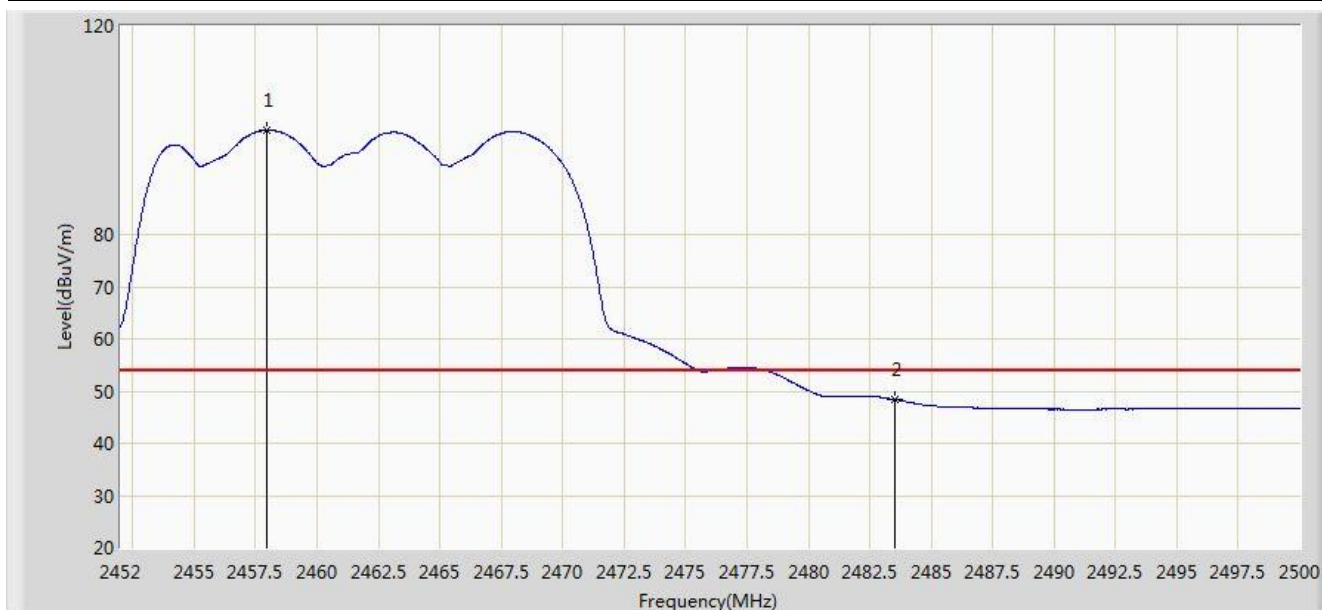


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2458.264        | 110.688                | 80.082               | N/A             | N/A            | 30.606      | PK   |
| 2  |      |      | 2483.500        | 67.606                 | 36.933               | -6.394          | 74.000         | 30.673      | PK   |
| 3  |      |      | 2483.824        | 68.923                 | 38.249               | -5.077          | 74.000         | 30.673      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:48 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2462MHz |                          |

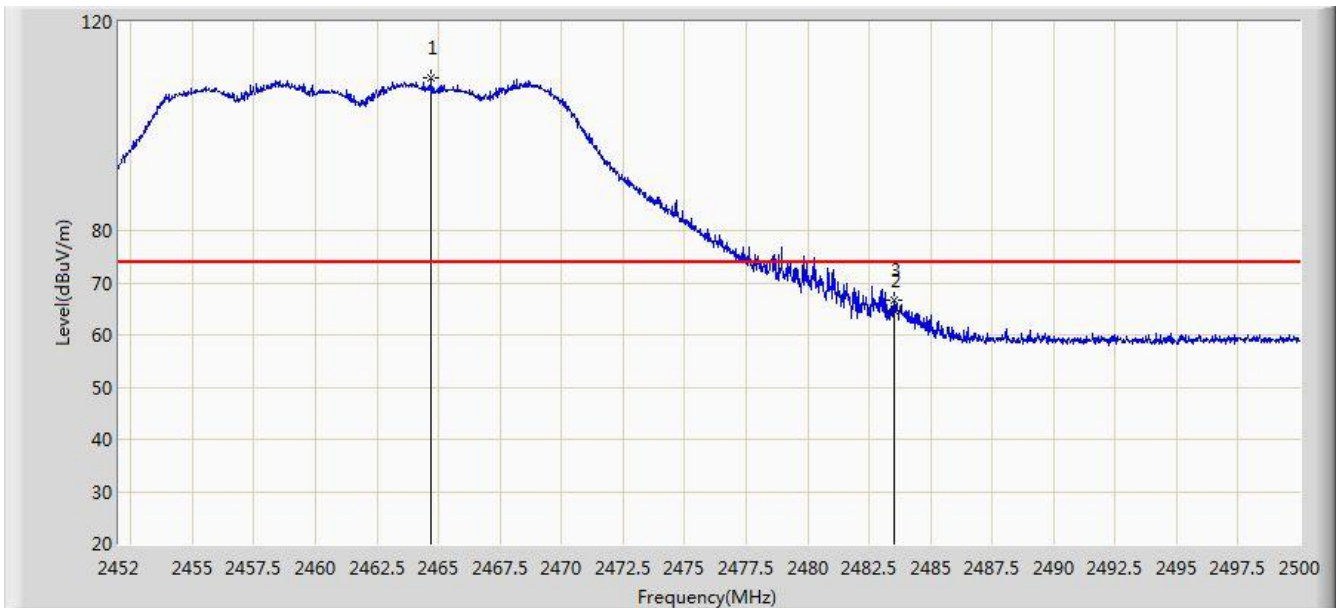


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2457.952        | 99.969                 | 69.364               | N/A             | N/A            | 30.606      | AV   |
| 2  |      |      | 2483.500        | 48.428                 | 17.755               | -5.572          | 54.000         | 30.673      | AV   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:50 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2462MHz |                          |

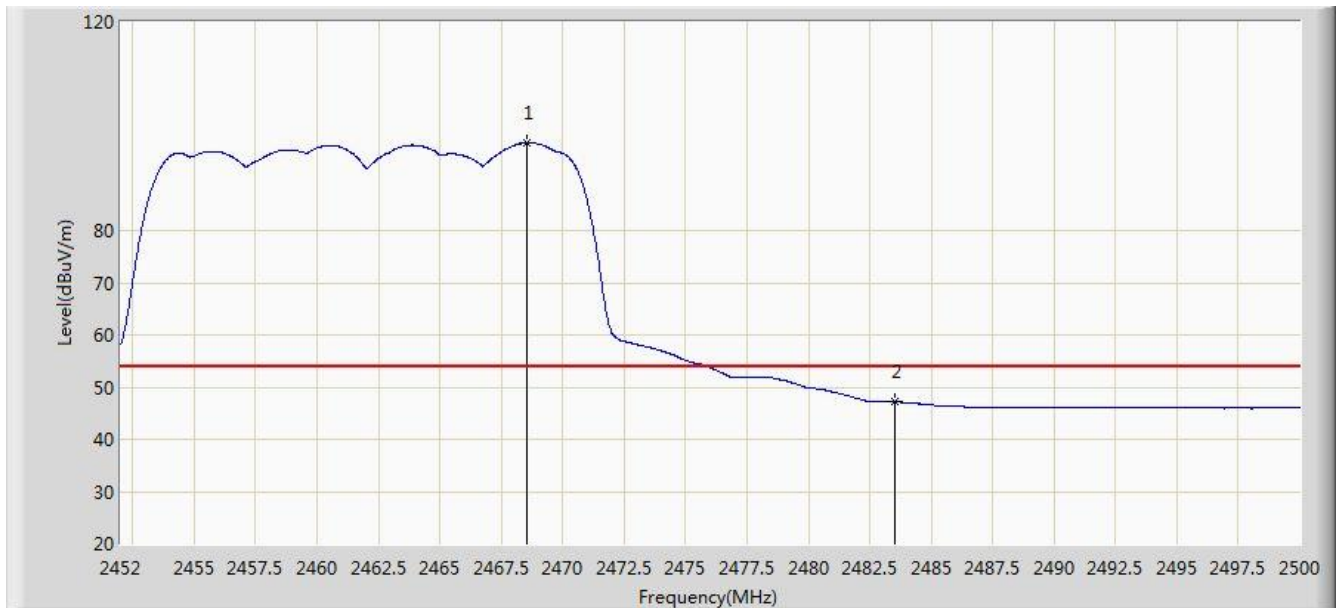


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2464.720        | 109.374                | 78.756               | N/A             | N/A            | 30.618      | PK   |
| 2  |      |      | 2483.500        | 64.702                 | 34.029               | -9.298          | 74.000         | 30.673      | PK   |
| 3  |      |      | 2483.536        | 66.690                 | 36.017               | -7.310          | 74.000         | 30.673      | PK   |

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

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

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                    |                          |
| Site: AC1                                            | Time: 2014/09/17 - 21:53 |
| Limit: FCC_Part15.209_RE(3m)                         | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                             | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                     | Power: AC 120V/60Hz      |
| Note: Mode 2: Transmit by 802.11g at channel 2462MHz |                          |

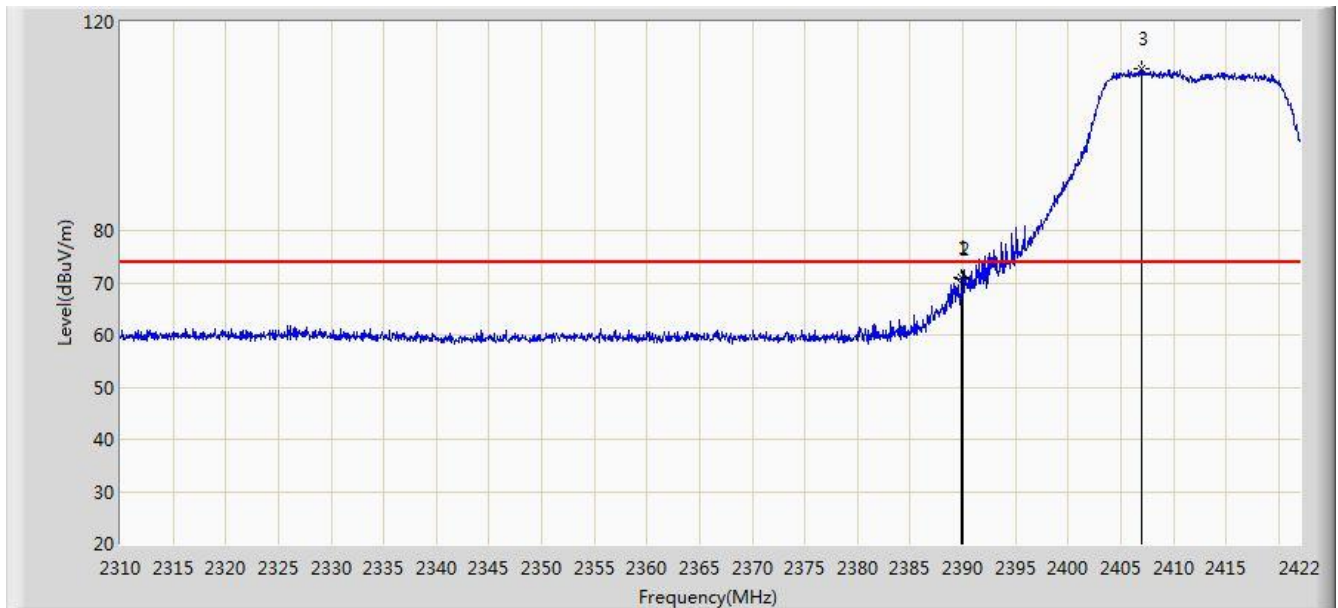


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2468.536        | 96.771                 | 66.142               | N/A             | N/A            | 30.629      | AV   |
| 2  |      |      | 2483.500        | 47.201                 | 16.528               | -6.799          | 54.000         | 30.673      | AV   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:03 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2412MHz |                          |

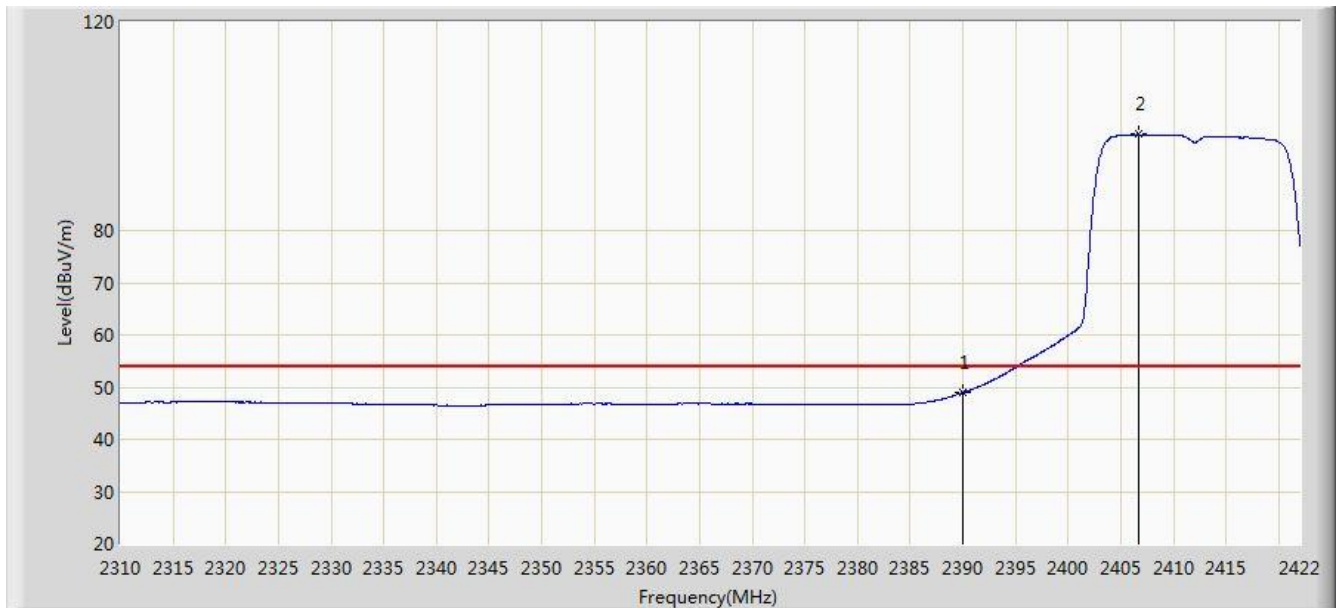


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2389.856        | 70.889                 | 40.205               | -3.111          | 74.000         | 30.684      | PK   |
| 2  |      |      | 2390.000        | 70.866                 | 40.182               | -3.134          | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2406.992        | 110.907                | 80.254               | N/A             | N/A            | 30.653      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:05 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2412MHz |                          |



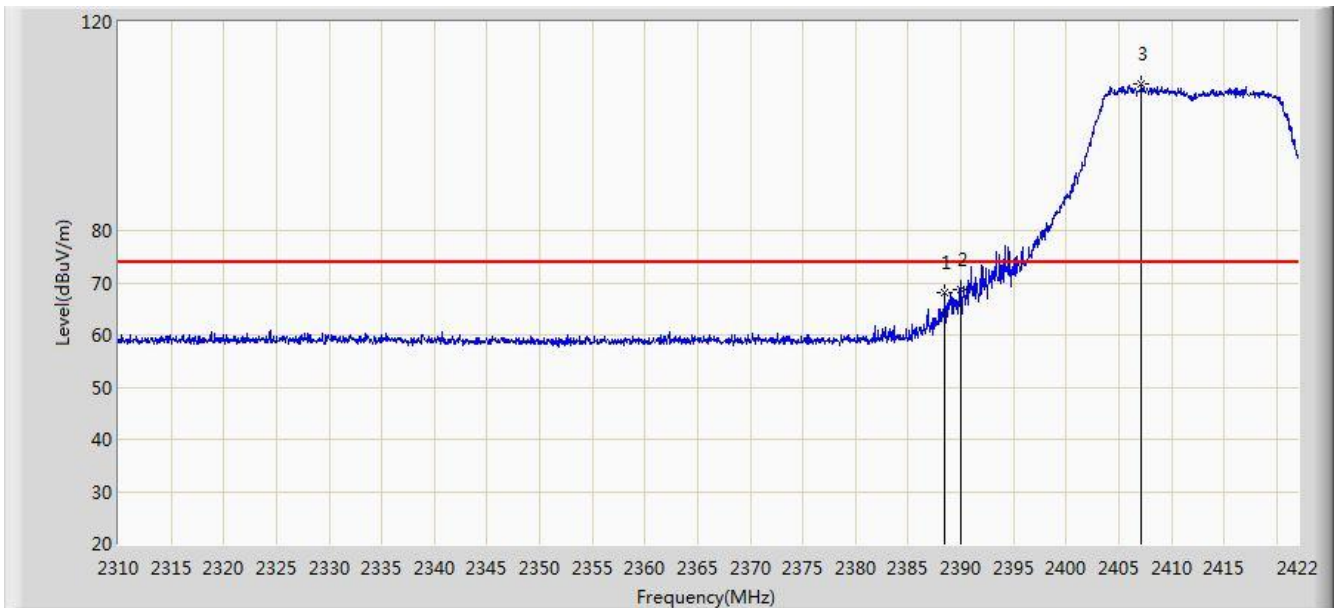
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2390.000        | 48.955                 | 18.271               | -5.045          | 54.000         | 30.684      | AV   |
| 2  |      | *    | 2406.712        | 98.419                 | 67.766               | N/A             | N/A            | 30.653      | AV   |

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

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



|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:07 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2412MHz |                          |

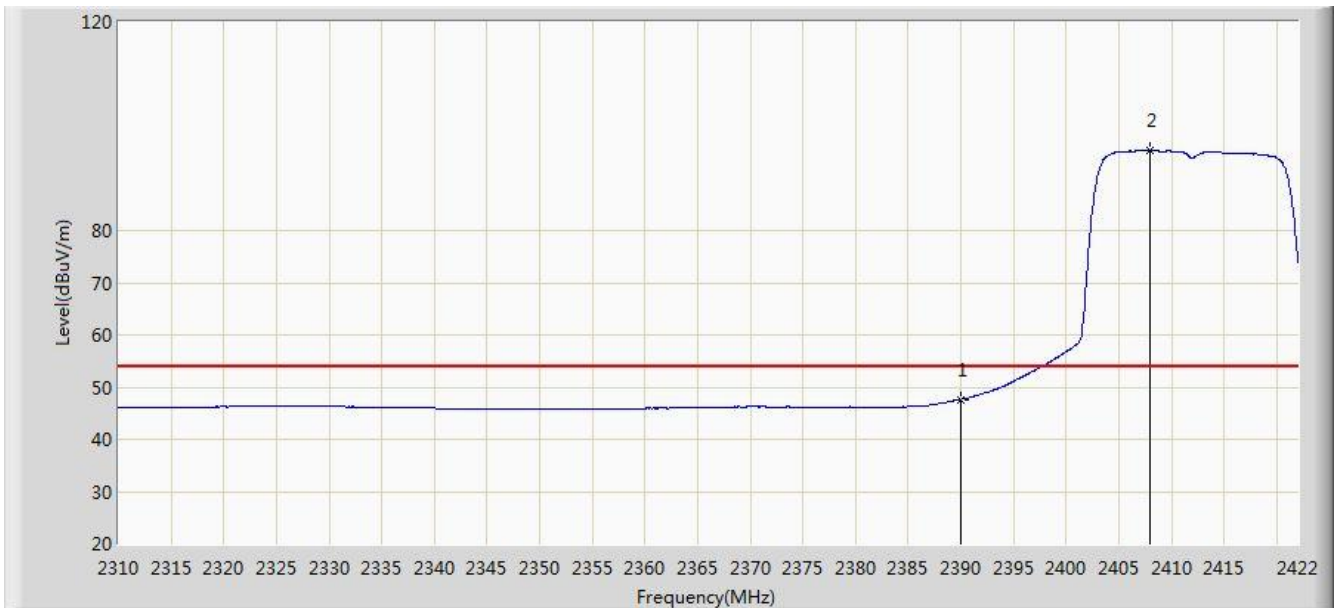


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2388.512        | 68.167                 | 37.480               | -5.833          | 74.000         | 30.687      | PK   |
| 2  |      |      | 2390.000        | 68.636                 | 37.952               | -5.364          | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2407.160        | 108.227                | 77.574               | N/A             | N/A            | 30.653      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:09 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2412MHz |                          |

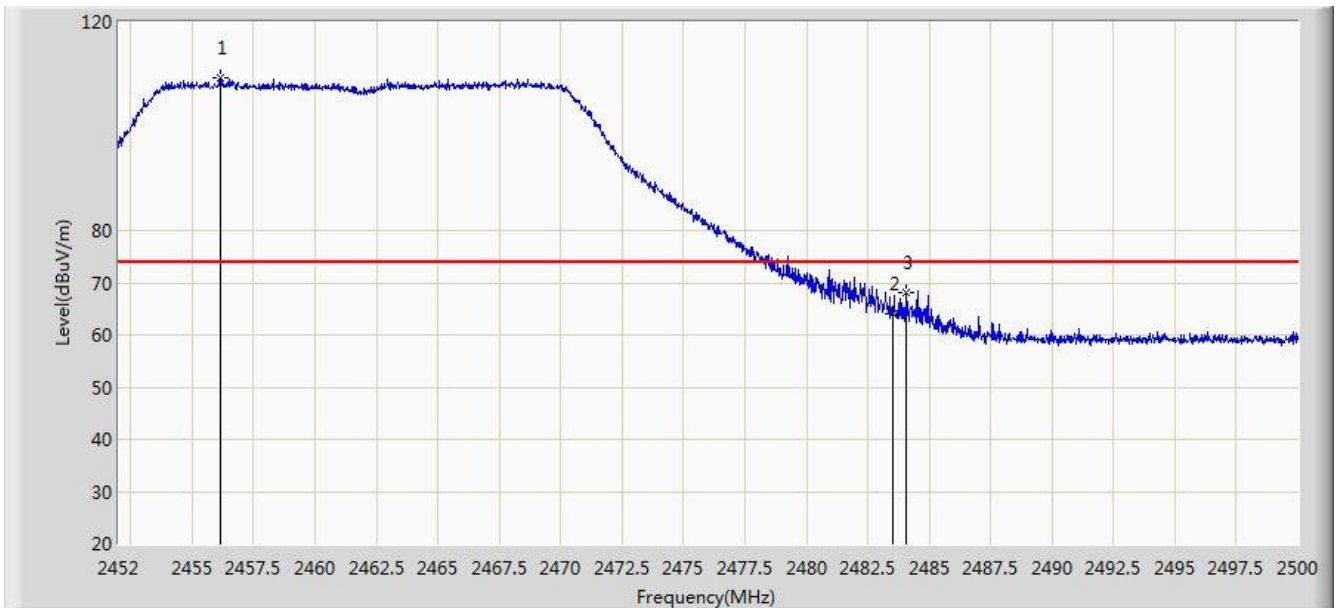


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2390.000        | 47.659                 | 16.975               | -6.341          | 54.000         | 30.684      | AV   |
| 2  |      | *    | 2408.000        | 95.228                 | 64.577               | N/A             | N/A            | 30.652      | AV   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:21 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2462MHz |                          |

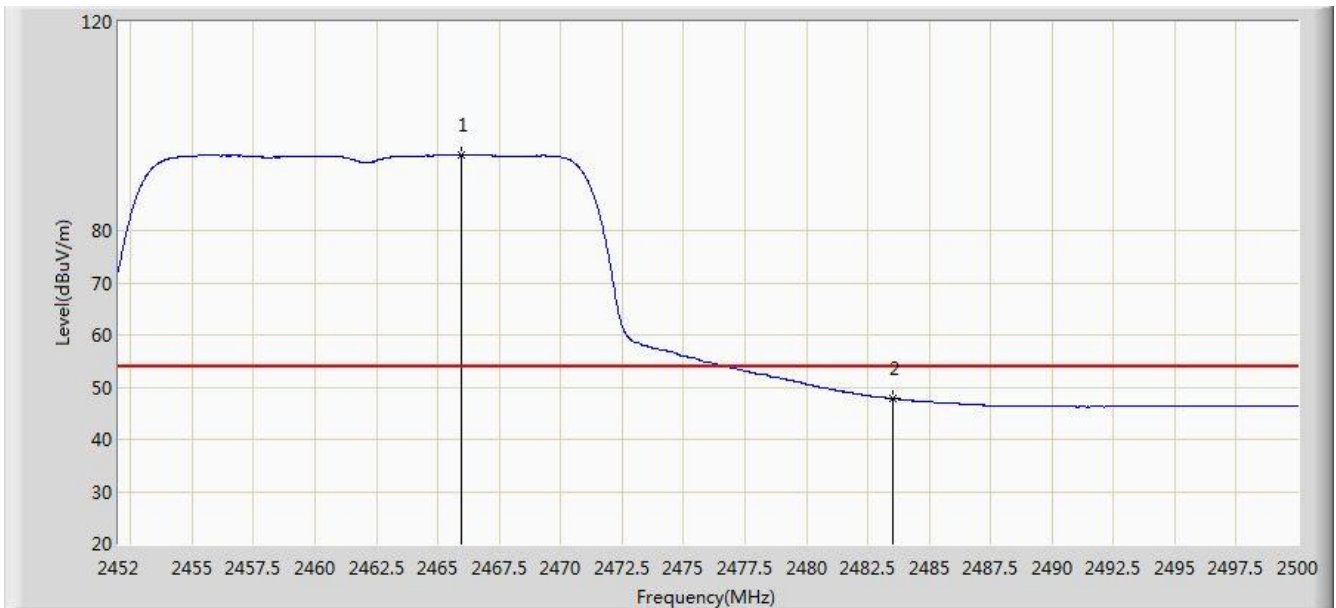


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2456.176        | 109.407                | 78.804               | N/A             | N/A            | 30.603      | PK   |
| 2  |      |      | 2483.500        | 64.085                 | 33.412               | -9.915          | 74.000         | 30.673      | PK   |
| 3  |      |      | 2484.040        | 68.021                 | 37.347               | -5.979          | 74.000         | 30.675      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:22 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2462MHz |                          |

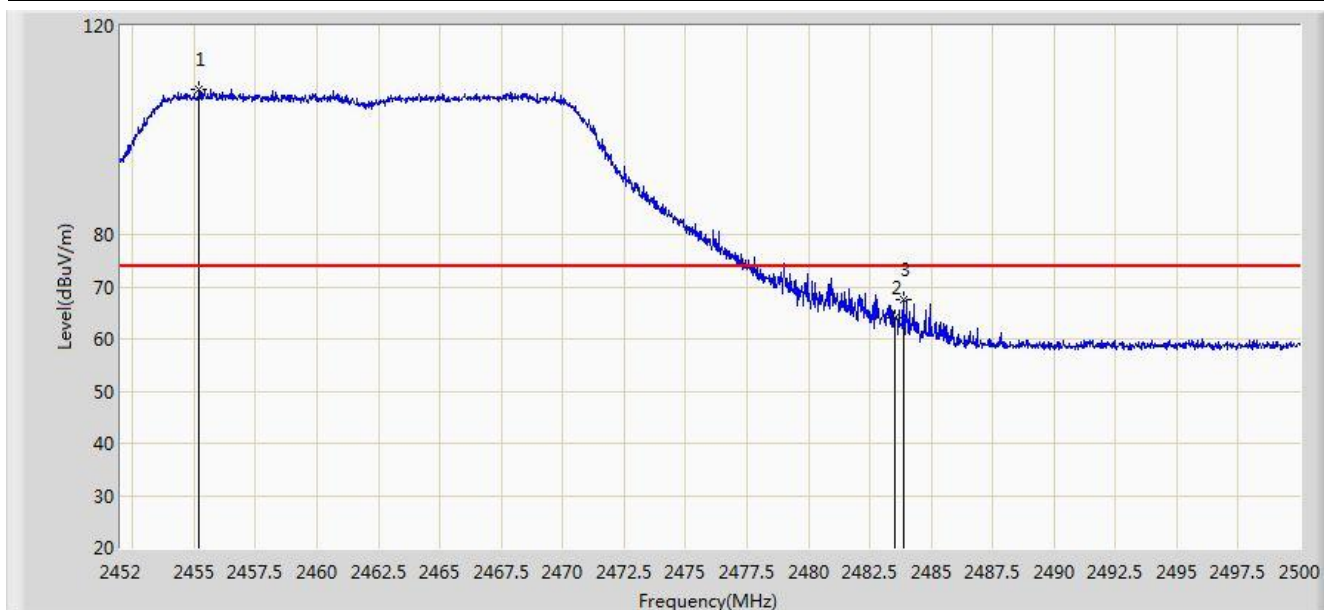


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2465.944        | 94.507                 | 63.886               | N/A             | N/A            | 30.621      | AV   |
| 2  |      |      | 2483.500        | 47.826                 | 17.153               | -6.174          | 54.000         | 30.673      | AV   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:23 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2462MHz |                          |

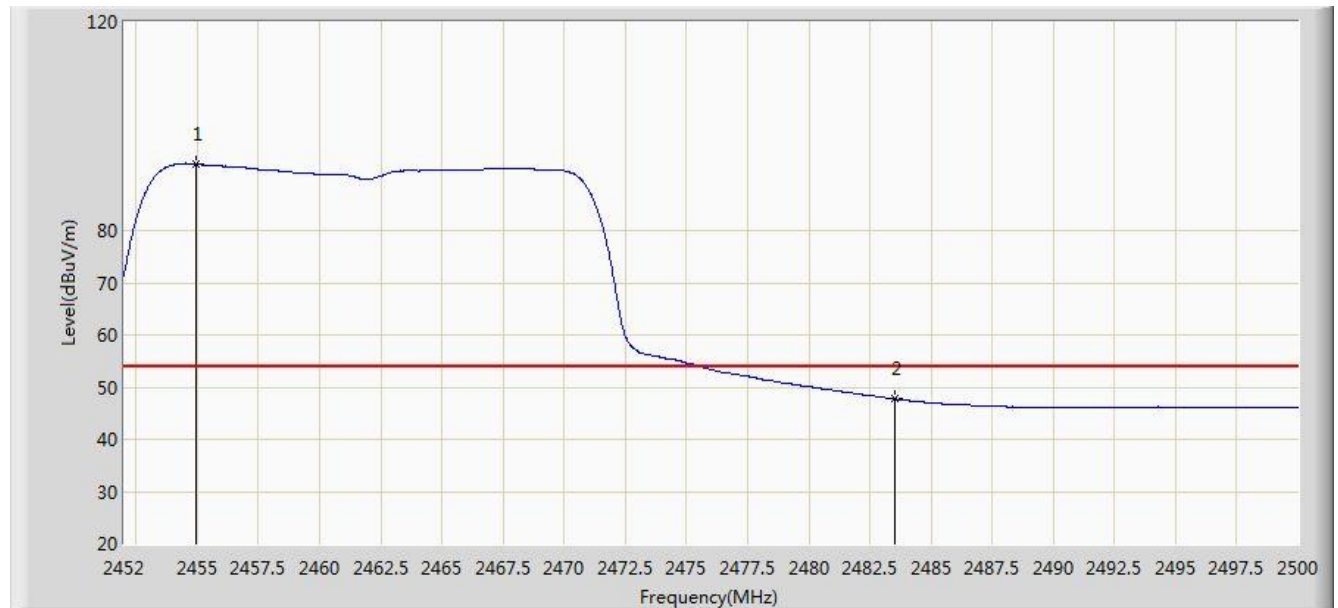


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2455.216        | 107.701                | 77.100               | N/A             | N/A            | 30.601      | PK   |
| 2  |      |      | 2483.500        | 64.172                 | 33.499               | -9.828          | 74.000         | 30.673      | PK   |
| 3  |      |      | 2483.872        | 67.493                 | 36.819               | -6.507          | 74.000         | 30.673      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:25 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 3: Transmit by 802.11n-HT20 at channel 2462MHz |                          |

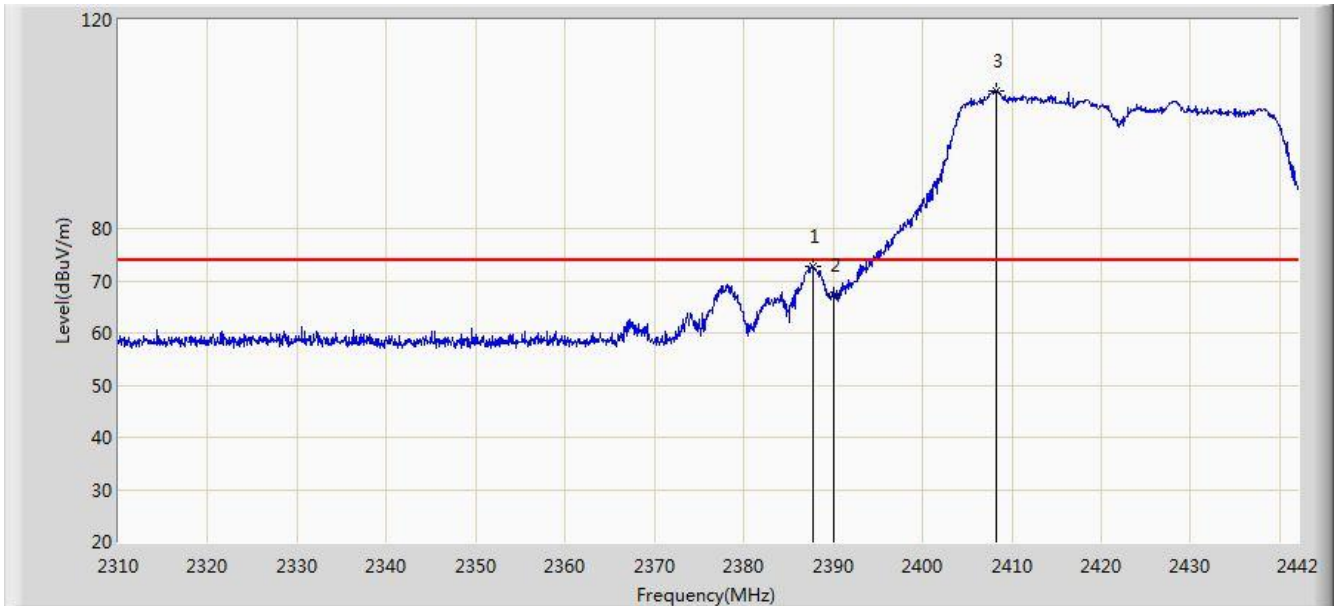


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2454.952        | 92.847                 | 62.246               | N/A             | N/A            | 30.601      | AV   |
| 2  |      |      | 2483.500        | 47.711                 | 17.038               | -6.289          | 54.000         | 30.673      | AV   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:35 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2422MHz |                          |

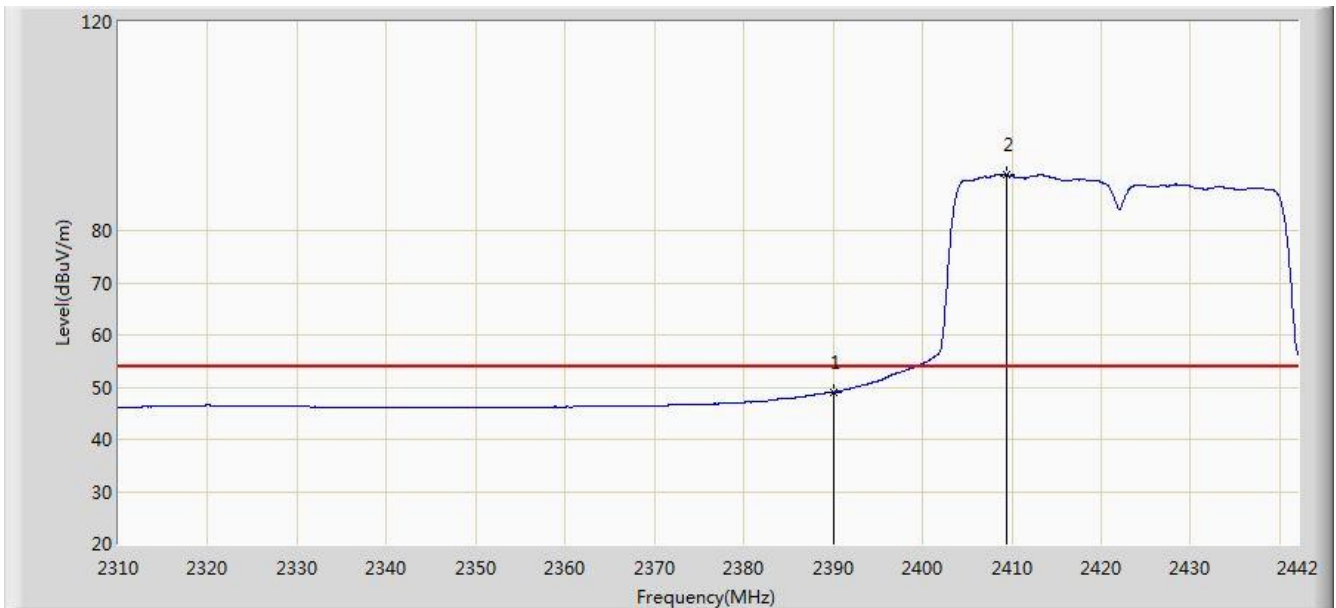


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2387.748        | 72.758                 | 42.069               | -1.242          | 74.000         | 30.689      | PK   |
| 2  |      |      | 2390.000        | 67.339                 | 36.655               | -6.661          | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2408.274        | 106.330                | 75.679               | N/A             | N/A            | 30.651      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:35 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2422MHz |                          |



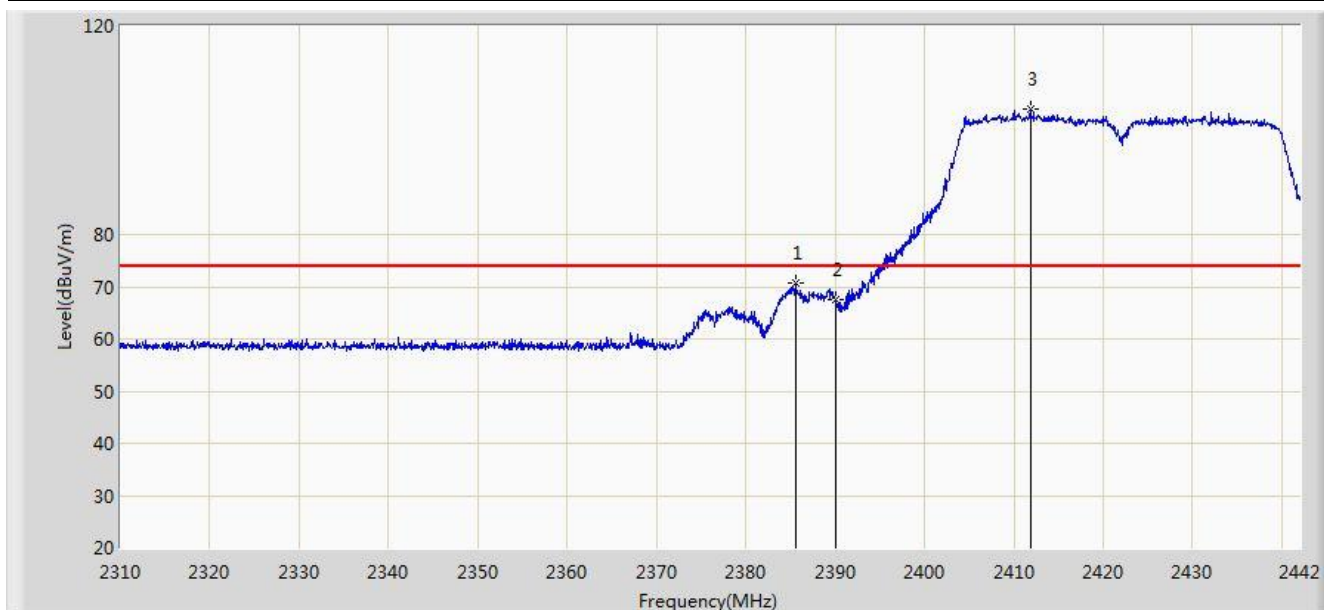
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2390.000        | 49.034                 | 18.350               | -4.966          | 54.000         | 30.684      | AV   |
| 2  |      | *    | 2409.462        | 90.695                 | 60.046               | N/A             | N/A            | 30.649      | AV   |

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

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



|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:36 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2422MHz |                          |

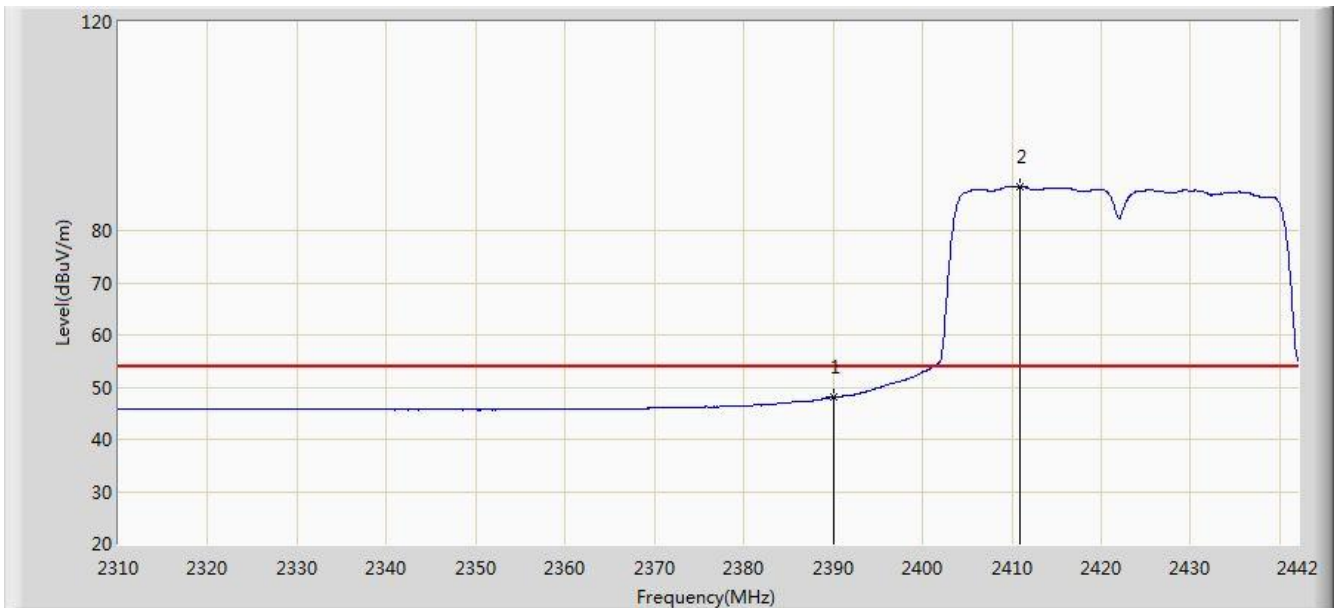


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2385.570        | 70.816                 | 40.122               | -3.184          | 74.000         | 30.694      | PK   |
| 2  |      |      | 2390.000        | 67.652                 | 36.968               | -6.348          | 74.000         | 30.684      | PK   |
| 3  |      | *    | 2411.838        | 104.134                | 73.489               | N/A             | N/A            | 30.645      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:38 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2422MHz |                          |

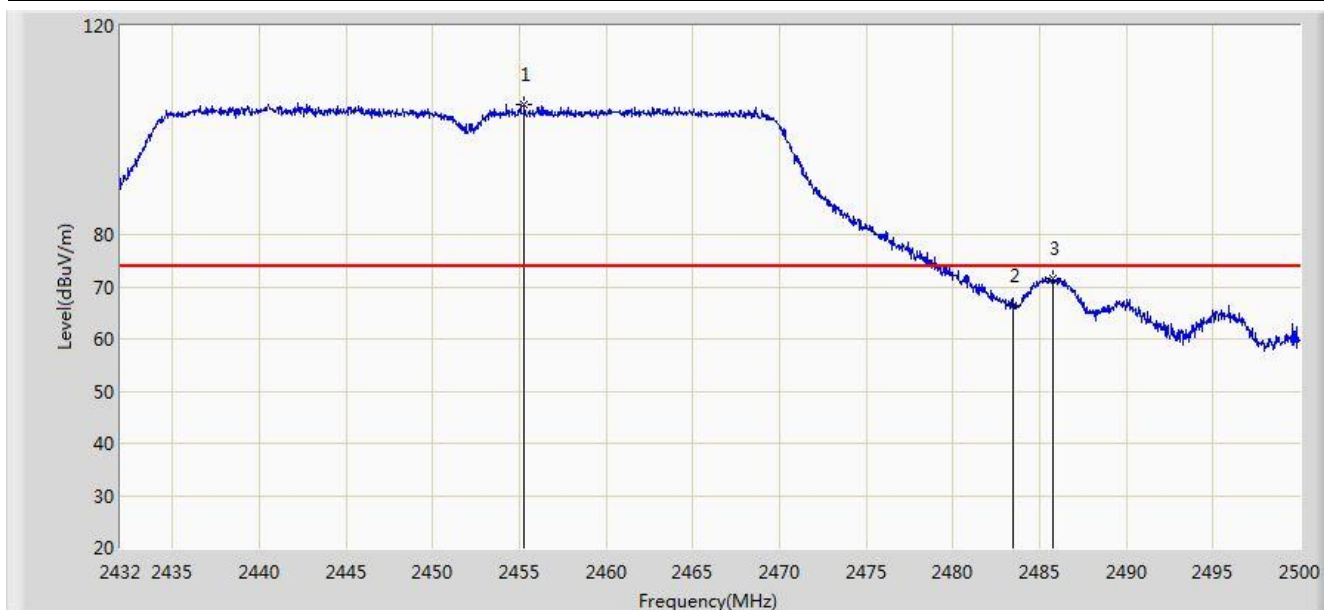


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      |      | 2390.000        | 48.057                 | 17.373               | -5.943          | 54.000         | 30.684      | AV   |
| 2  |      | *    | 2410.914        | 88.515                 | 57.869               | N/A             | N/A            | 30.646      | AV   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:45 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2452MHz |                          |

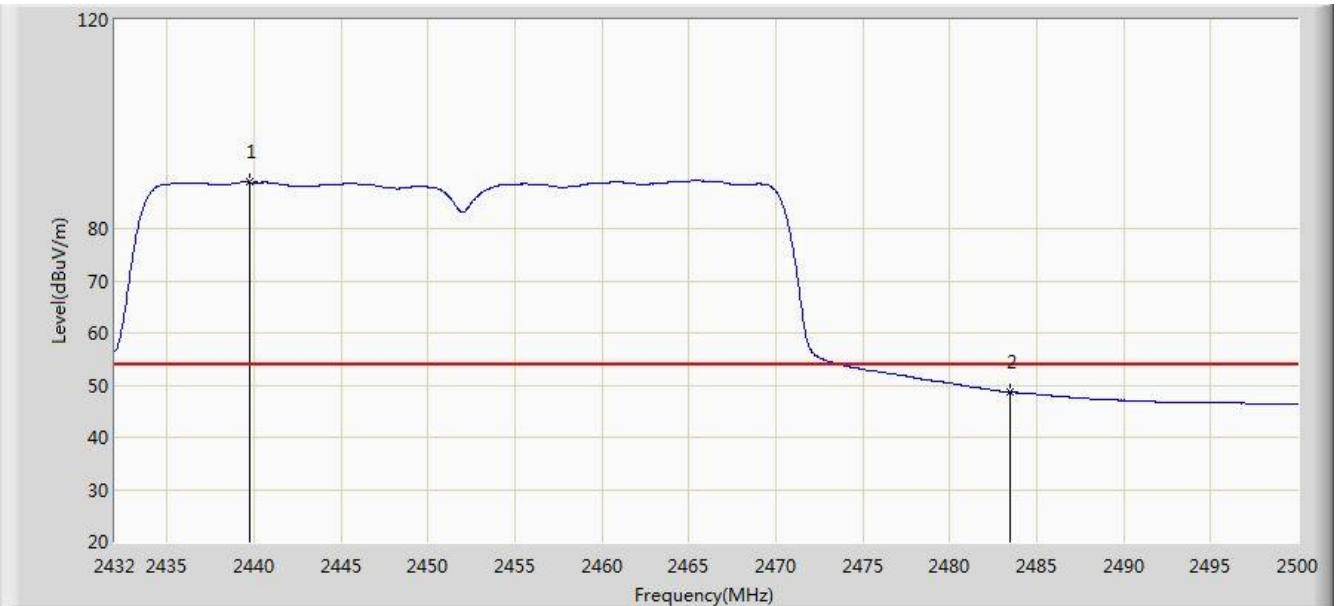


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2455.290        | 105.021                | 74.420               | N/A             | N/A            | 30.601      | PK   |
| 2  |      |      | 2483.500        | 66.381                 | 35.708               | -7.619          | 74.000         | 30.673      | PK   |
| 3  |      |      | 2485.788        | 71.737                 | 41.058               | -2.263          | 74.000         | 30.680      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:47 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Horizontal     |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2452MHz |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2439.786        | 88.841                 | 58.242               | N/A             | N/A            | 30.599      | AV   |
| 2  |      |      | 2483.500        | 48.592                 | 17.919               | -5.408          | 54.000         | 30.673      | AV   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:47 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2452MHz |                          |

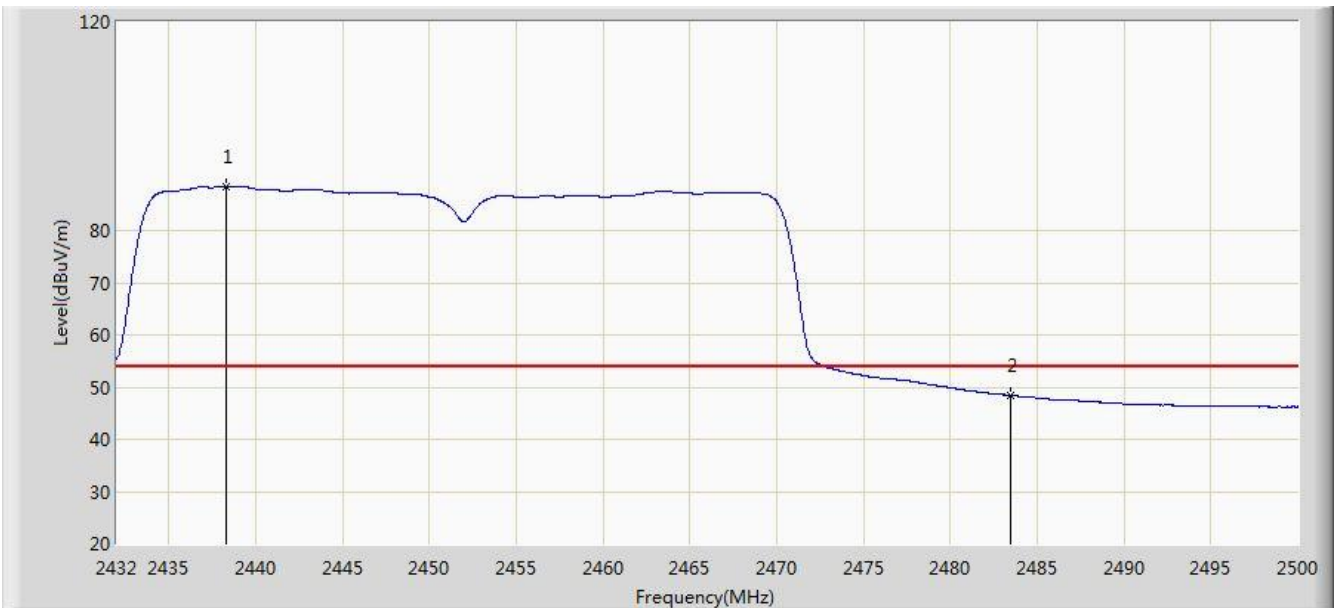


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2437.814        | 104.013                | 73.411               | N/A             | N/A            | 30.602      | PK   |
| 2  |      |      | 2483.500        | 64.868                 | 34.195               | -9.132          | 74.000         | 30.673      | PK   |
| 3  |      |      | 2487.556        | 70.903                 | 40.218               | -3.097          | 74.000         | 30.685      | PK   |

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

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

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| Engineer: Milo Li                                         |                          |
| Site: AC1                                                 | Time: 2014/09/17 - 22:50 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0                |
| Probe: BBHA9120D_1-18GHz                                  | Polarity: Vertical       |
| EUT: Unified Wired-WLAN Walljack                          | Power: AC 120V/60Hz      |
| Note: Mode 4: Transmit by 802.11n-HT40 at channel 2452MHz |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | *    | 2438.324        | 88.512                 | 57.910               | N/A             | N/A            | 30.602      | AV   |
| 2  |      |      | 2483.500        | 48.402                 | 17.729               | -5.598          | 54.000         | 30.673      | AV   |

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

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

## 7.8. AC Conducted Emissions Measurement

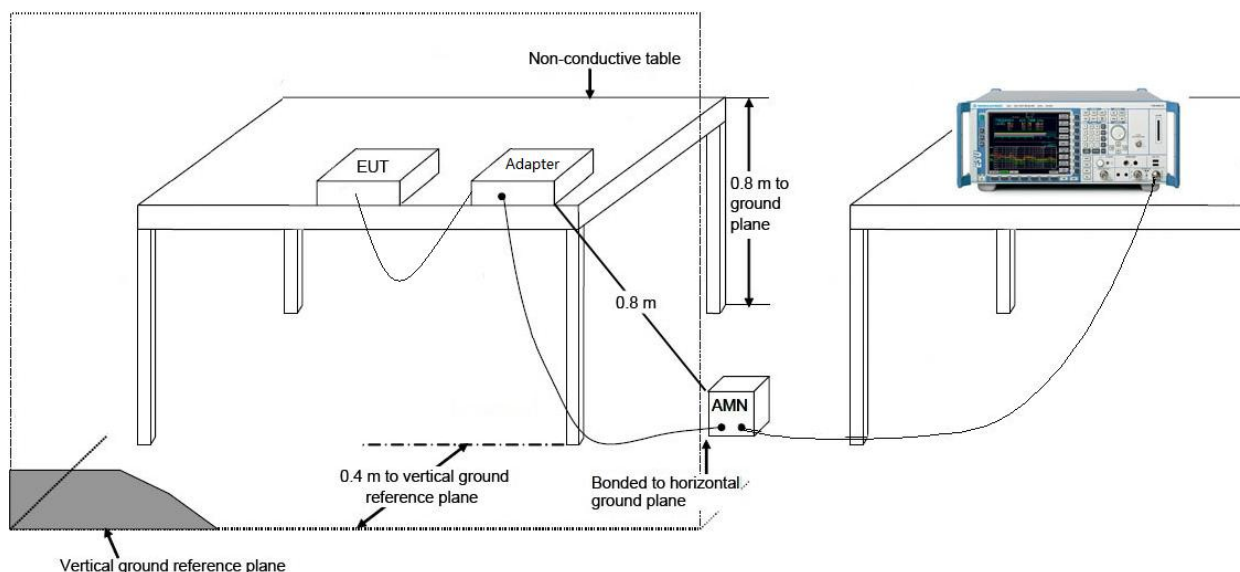
### 7.8.1. Test Limit

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

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

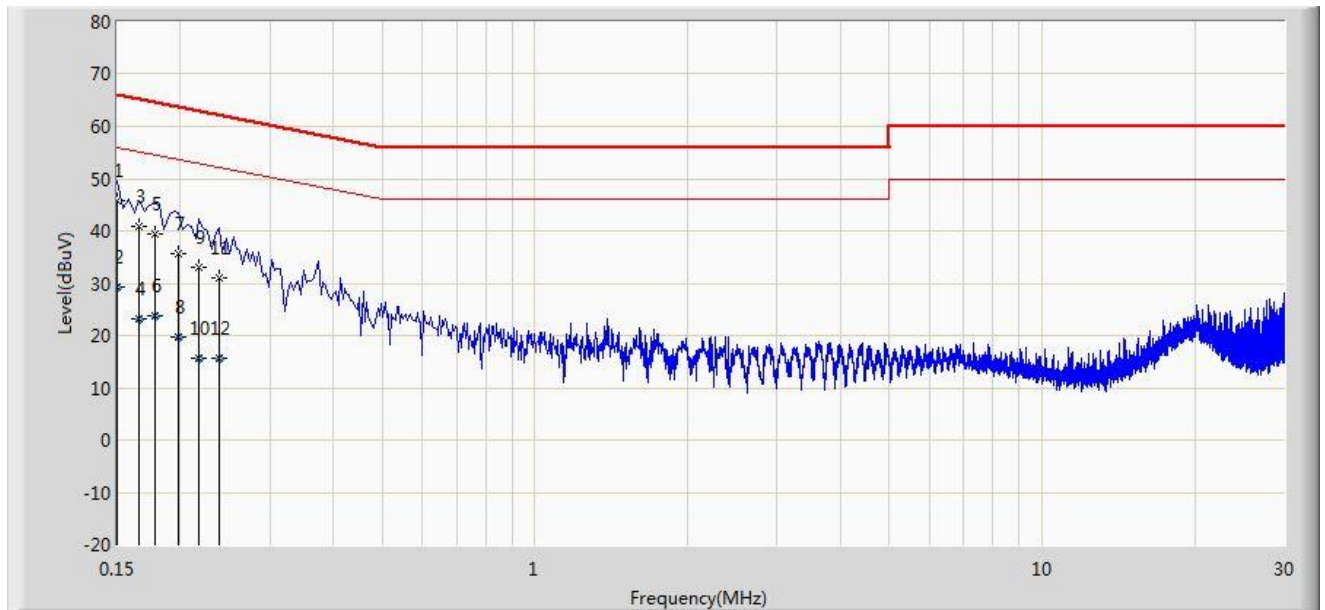
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.8.2. Test Setup



### 7.8.3. Test Result

|                                   |                          |
|-----------------------------------|--------------------------|
| Engineer: Line Chen               |                          |
| Site: SR2                         | Time: 2014/09/21 - 14:38 |
| Limit: FCC_Part15.207_CE_AC Power | Margin: 0                |
| Probe: ENV216_101683_Filter On    | Polarity: Line           |
| EUT: Unified Wired-WLAN Walljack  | Power: AC 120V/60Hz      |
| Note: Mode1                       |                          |



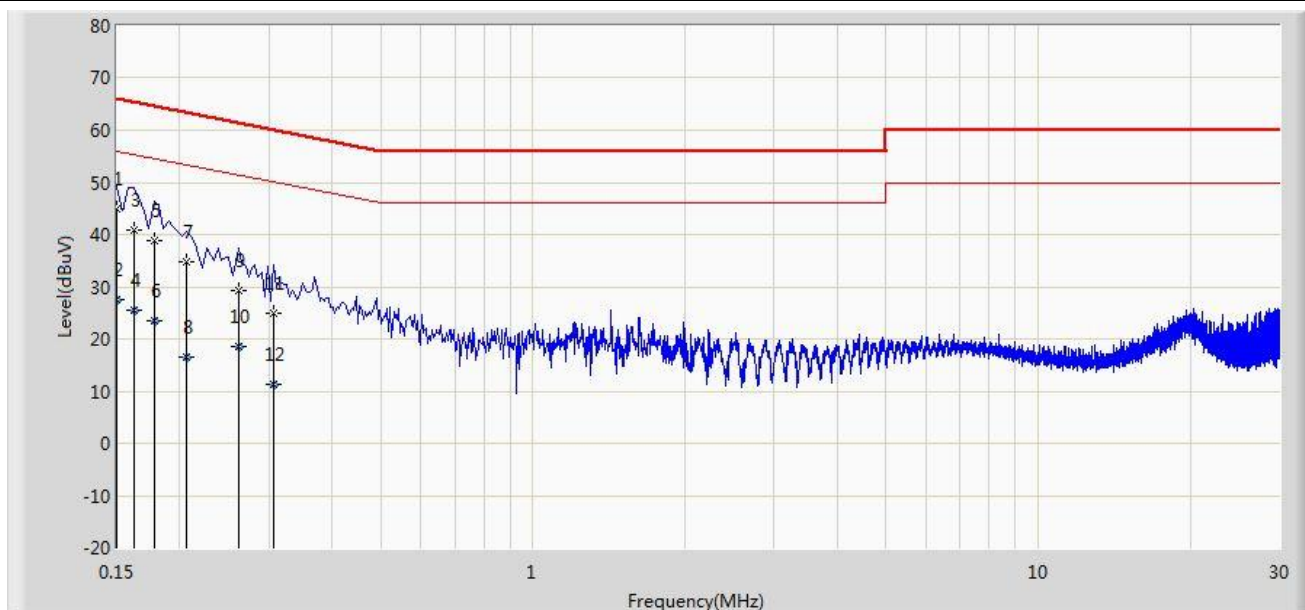
| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | *    | 0.150           | 45.888               | 34.720               | -20.112         | 66.000       | 11.168      | QP   |
| 2  |      |      | 0.150           | 29.259               | 18.091               | -26.741         | 56.000       | 11.168      | AV   |
| 3  |      |      | 0.166           | 40.883               | 30.796               | -24.275         | 65.158       | 10.087      | QP   |
| 4  |      |      | 0.166           | 23.085               | 12.998               | -32.073         | 55.158       | 10.087      | AV   |
| 5  |      |      | 0.178           | 39.459               | 29.400               | -25.120         | 64.578       | 10.058      | QP   |
| 6  |      |      | 0.178           | 23.848               | 13.790               | -30.730         | 54.578       | 10.058      | AV   |
| 7  |      |      | 0.198           | 35.783               | 25.778               | -27.911         | 63.694       | 10.005      | QP   |
| 8  |      |      | 0.198           | 19.697               | 9.693                | -33.997         | 53.694       | 10.005      | AV   |
| 9  |      |      | 0.218           | 33.032               | 23.087               | -29.863         | 62.895       | 9.945       | QP   |
| 10 |      |      | 0.218           | 15.714               | 5.770                | -37.180         | 52.895       | 9.945       | AV   |
| 11 |      |      | 0.238           | 31.126               | 21.172               | -31.039         | 62.166       | 9.954       | QP   |
| 12 |      |      | 0.238           | 15.586               | 5.632                | -36.579         | 52.166       | 9.954       | AV   |

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

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



|                                   |                          |
|-----------------------------------|--------------------------|
| Engineer: Line Chen               |                          |
| Site: SR2                         | Time: 2014/09/21 - 14:43 |
| Limit: FCC_Part15.207_CE_AC Power | Margin: 0                |
| Probe: ENV216_101683_Filter On    | Polarity: Neutral        |
| EUT: Unified Wired-WLAN Walljack  | Power: AC 120V/60Hz      |
| Note: Mode1                       |                          |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|------|------|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1  |      | *    | 0.150           | 44.872               | 33.730               | -21.128         | 66.000       | 11.142      | QP   |
| 2  |      |      | 0.150           | 27.631               | 16.489               | -28.369         | 56.000       | 11.142      | AV   |
| 3  |      |      | 0.162           | 40.989               | 30.911               | -24.372         | 65.361       | 10.078      | QP   |
| 4  |      |      | 0.162           | 25.438               | 15.360               | -29.922         | 55.361       | 10.078      | AV   |
| 5  |      |      | 0.178           | 38.756               | 28.706               | -25.823         | 64.578       | 10.049      | QP   |
| 6  |      |      | 0.178           | 23.602               | 13.552               | -30.977         | 54.578       | 10.049      | AV   |
| 7  |      |      | 0.206           | 34.762               | 24.761               | -28.603         | 63.365       | 10.001      | QP   |
| 8  |      |      | 0.206           | 16.544               | 6.542                | -36.821         | 53.365       | 10.001      | AV   |
| 9  |      |      | 0.262           | 29.303               | 19.293               | -32.065         | 61.368       | 10.010      | QP   |
| 10 |      |      | 0.262           | 18.427               | 8.417                | -32.941         | 51.368       | 10.010      | AV   |
| 11 |      |      | 0.306           | 25.025               | 14.983               | -35.054         | 60.078       | 10.042      | QP   |
| 12 |      |      | 0.306           | 11.195               | 1.153                | -38.884         | 50.078       | 10.042      | 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 **Unified Wired-WLAN Walljack** **FCC ID: O9C-BJNGAFB0005** is in compliance with Part 15C of the FCC Rules.

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The End