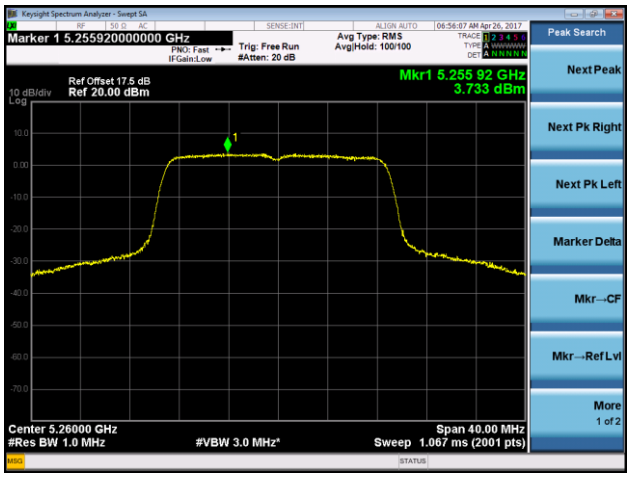
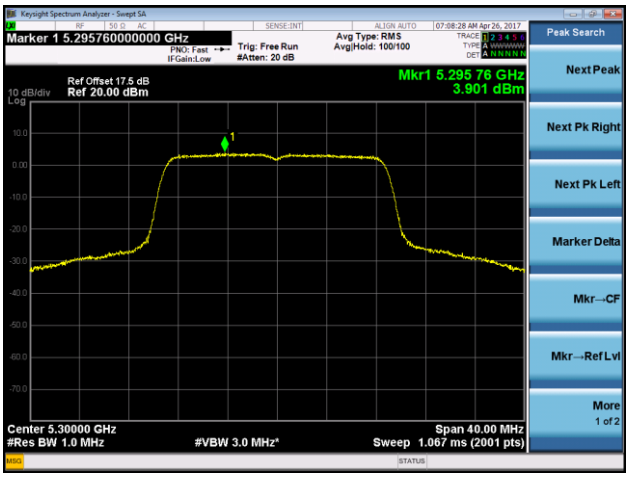
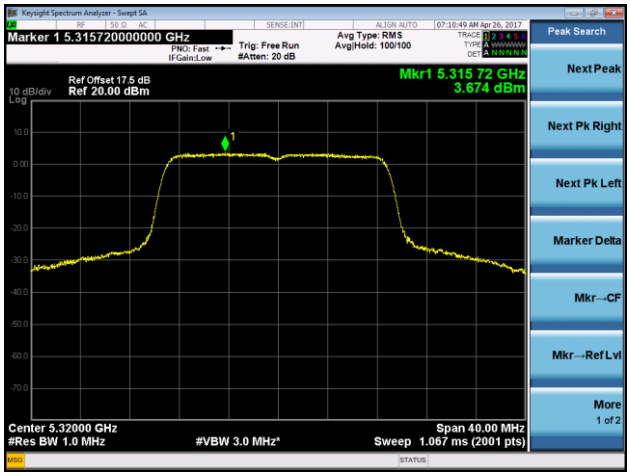
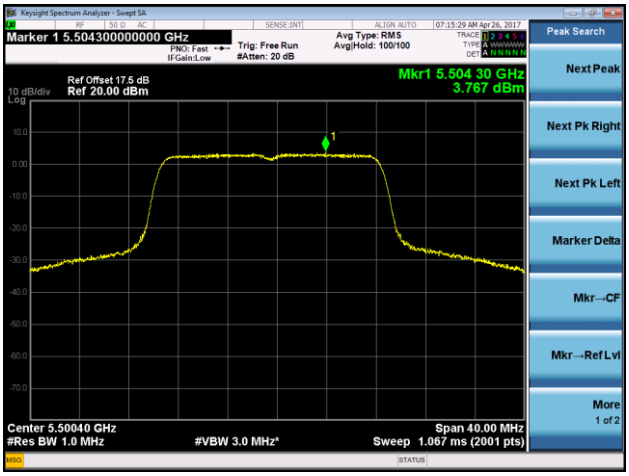
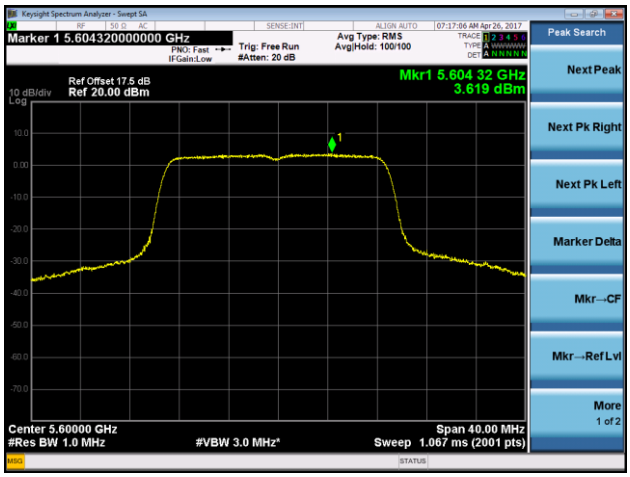
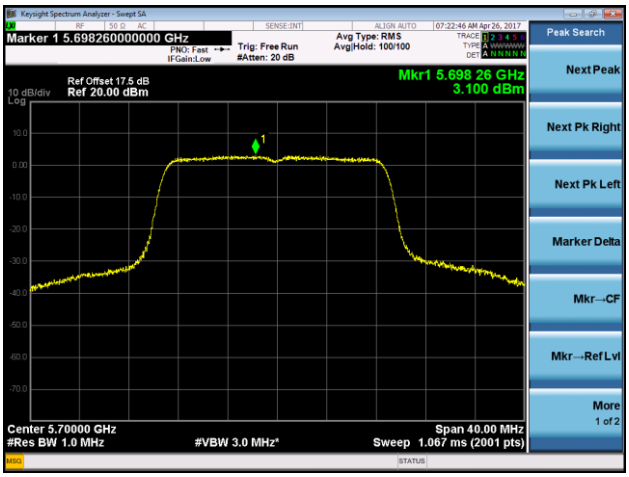
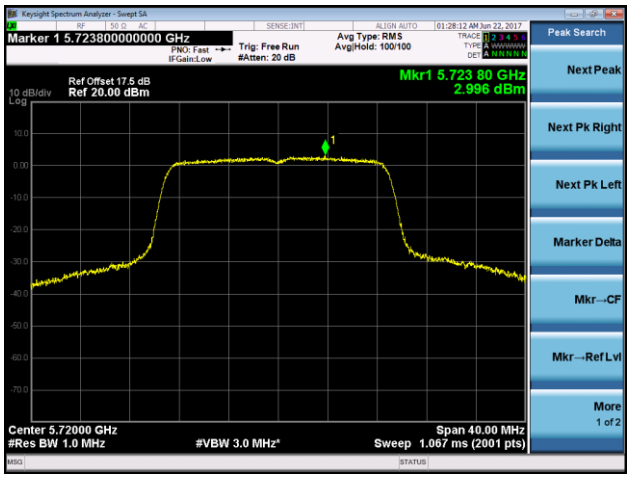
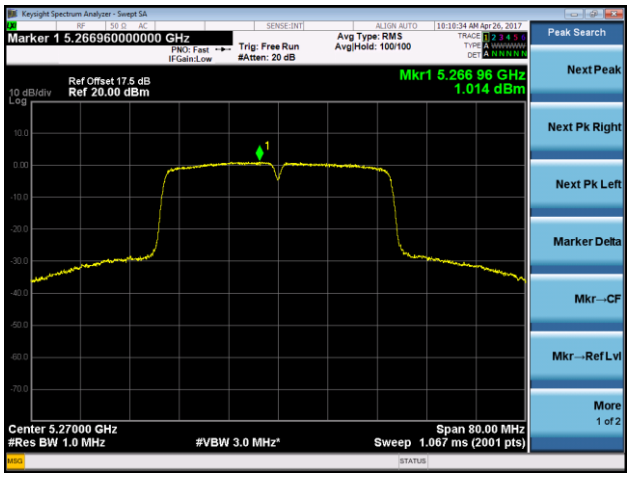
| 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 | |
|---|---|
| **Channel 52 (5260MHz)** | **Channel 60 (5300MHz)** |
|  |  |
| **Channel 64 (5320MHz)** | **Channel 100 (5500MHz)** |
|  |  |
| **Channel 120 (5600MHz)** | **Channel 140 (5700MHz)** |
|  |  |

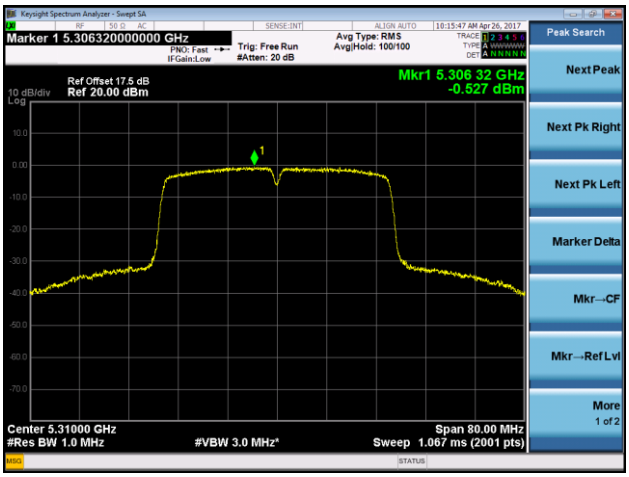
| Channel 144 (5720MHz) | |
|---|---|
|  | |

## 802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1

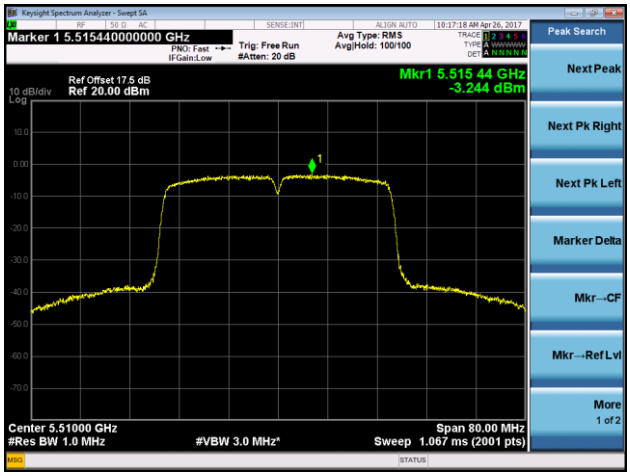
### Channel 54 (5270MHz)



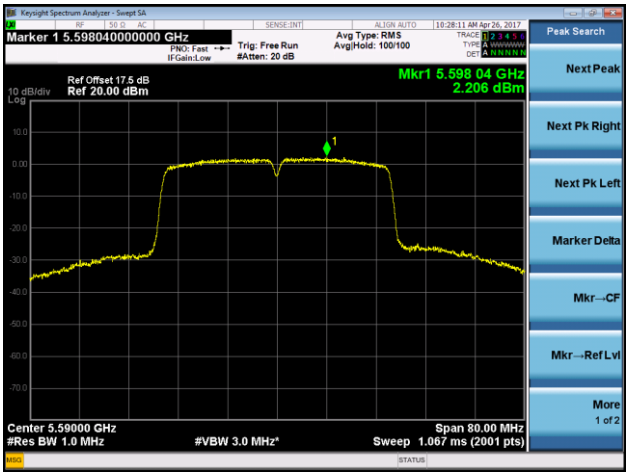

### Channel 62 (5310MHz)



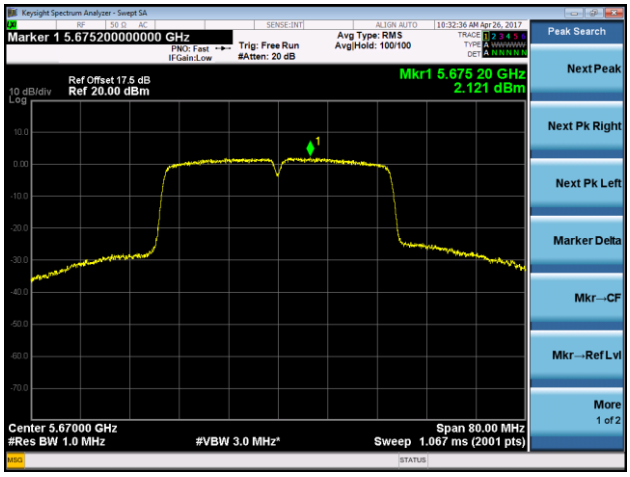

### Channel 102 (5510MHz)



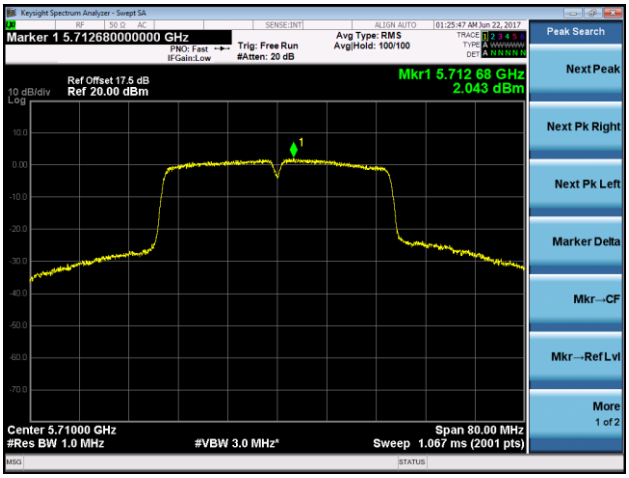

### Channel 118 (5590MHz)




### Channel 134 (5670MHz)

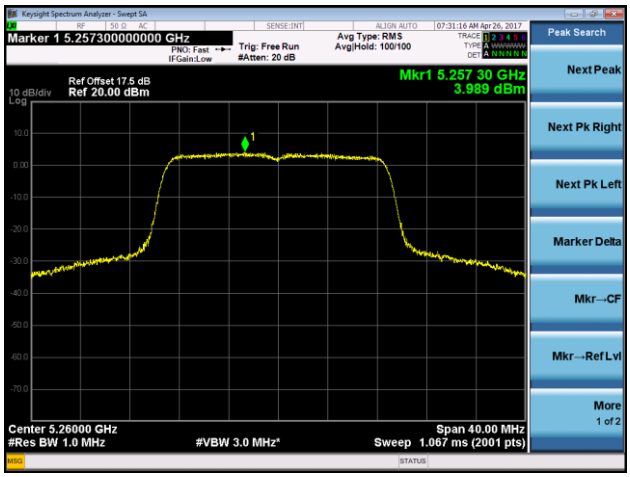



### Channel 142 (5710MHz)

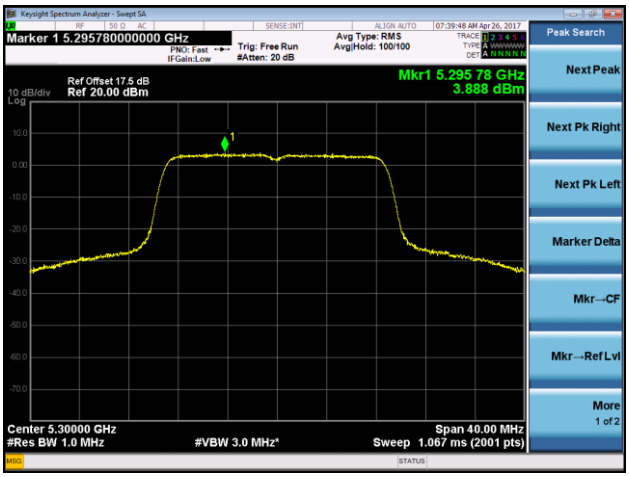


## 802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

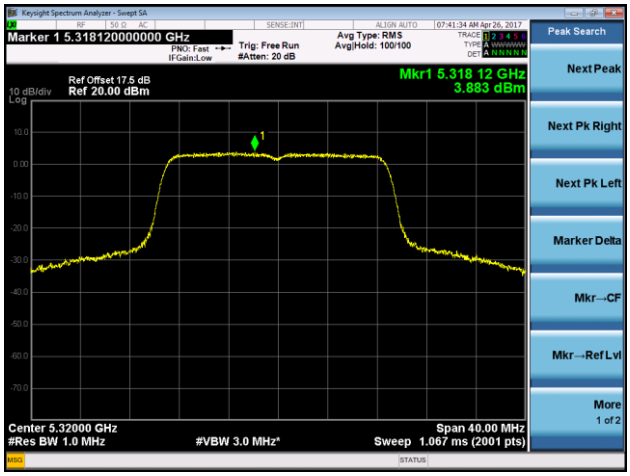
### Channel 52 (5260MHz)



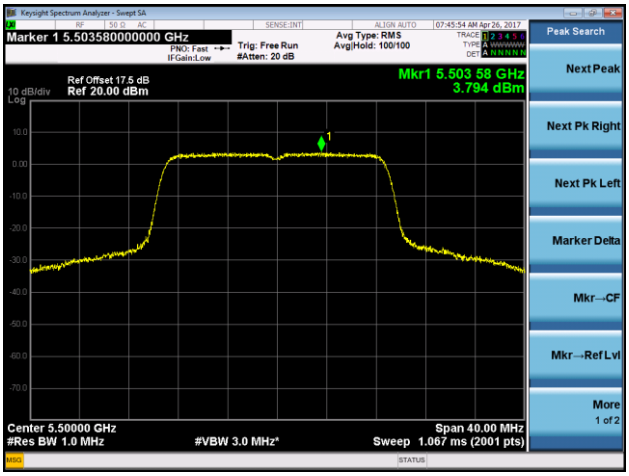

### Channel 60 (5300MHz)



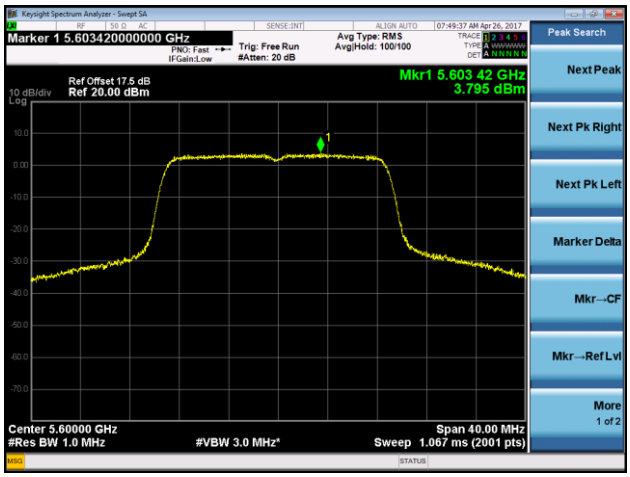

### Channel 64 (5320MHz)



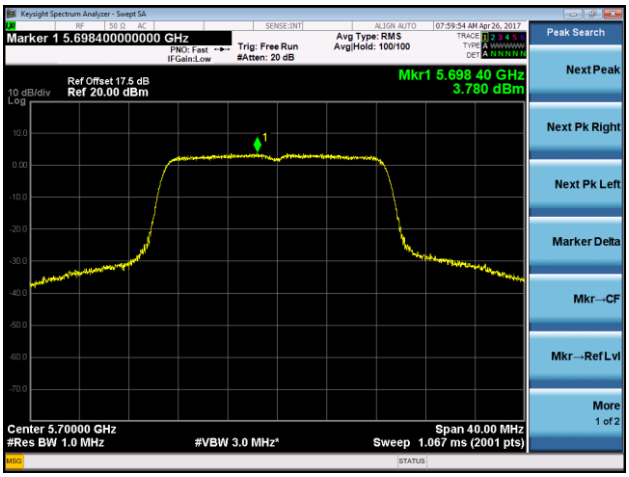

### Channel 100 (5500MHz)

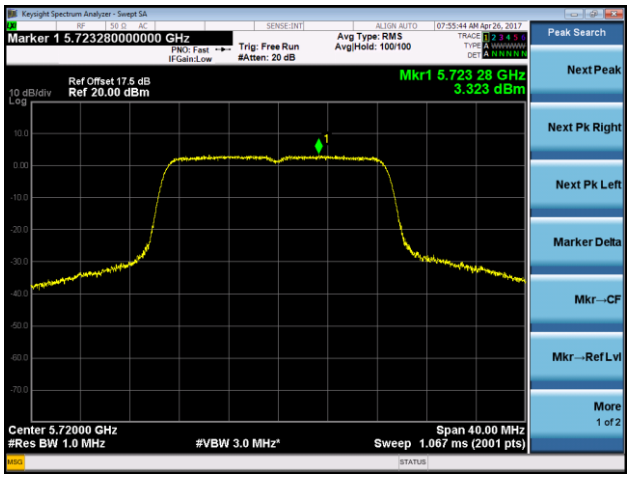



### Channel 120 (5600MHz)



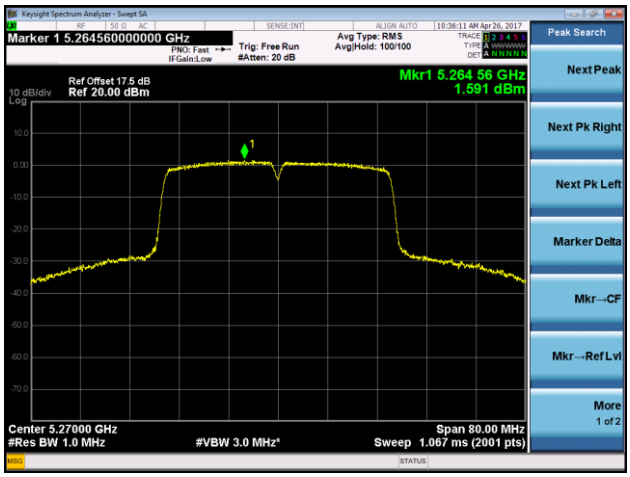

### Channel 140 (5700MHz)



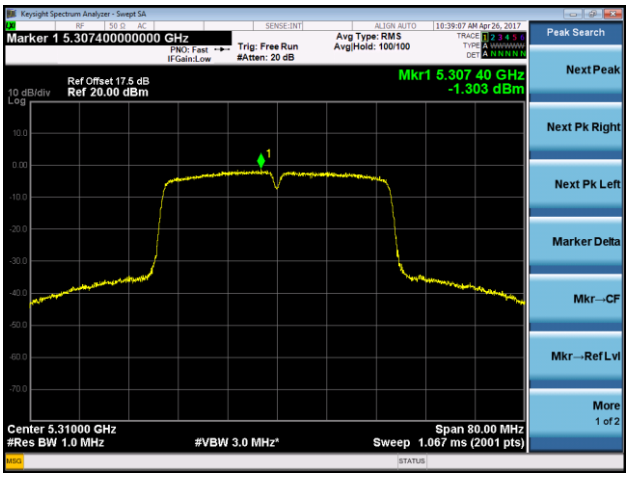
| Channel 144 (5720MHz) | |
|---|---|
|  | |

## 802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1

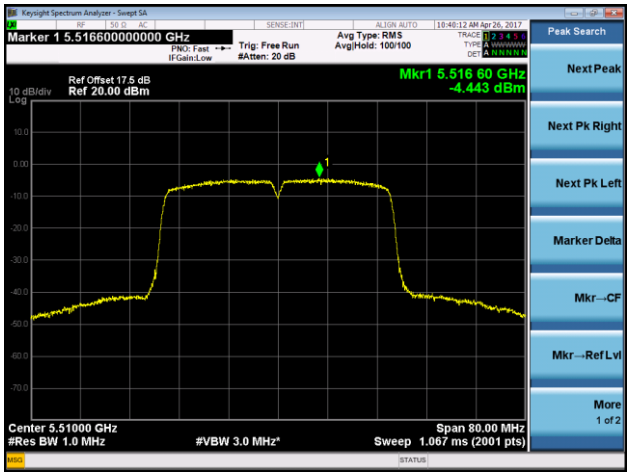
### Channel 54 (5270MHz)



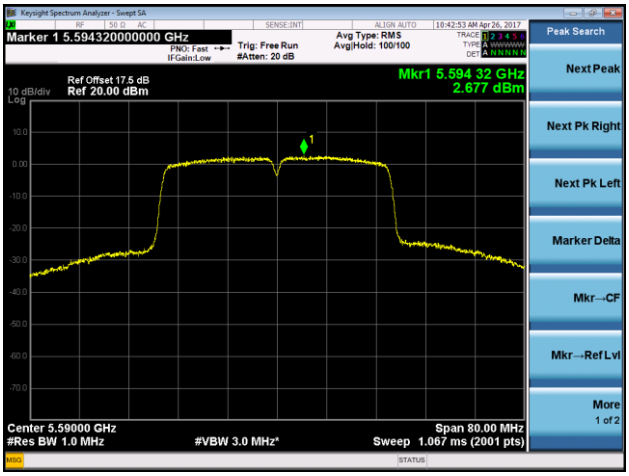

### Channel 62 (5310MHz)



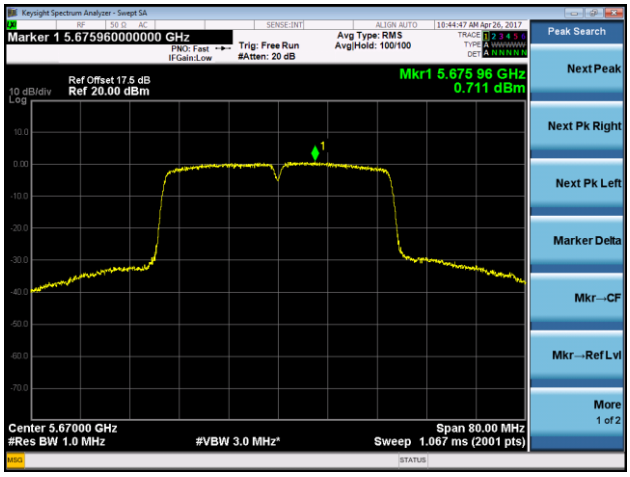

### Channel 102 (5510MHz)



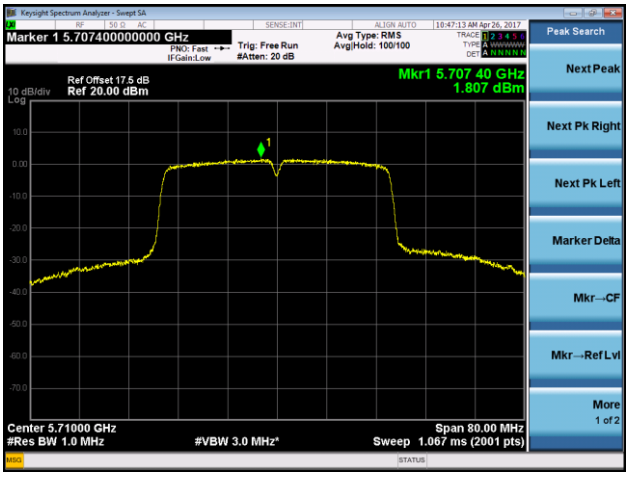

### Channel 118 (5590MHz)

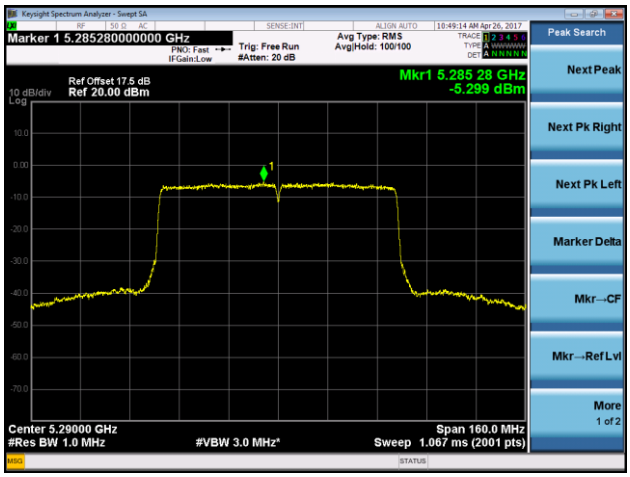
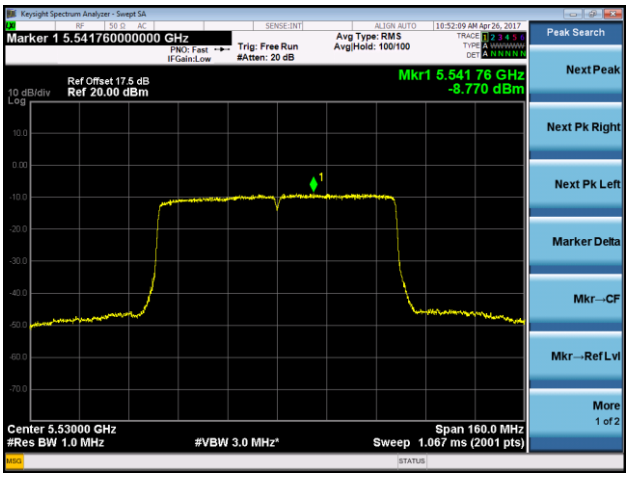
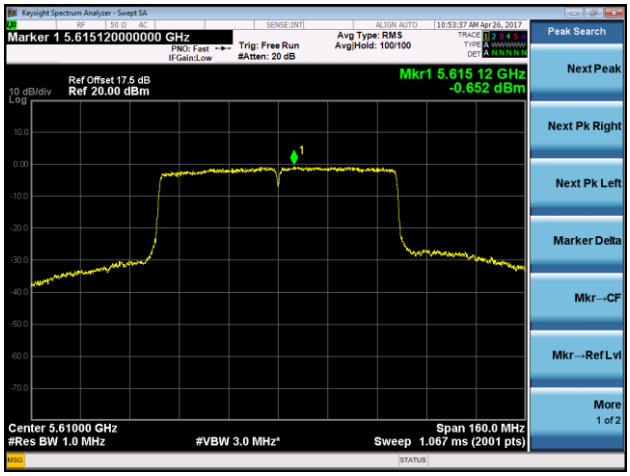
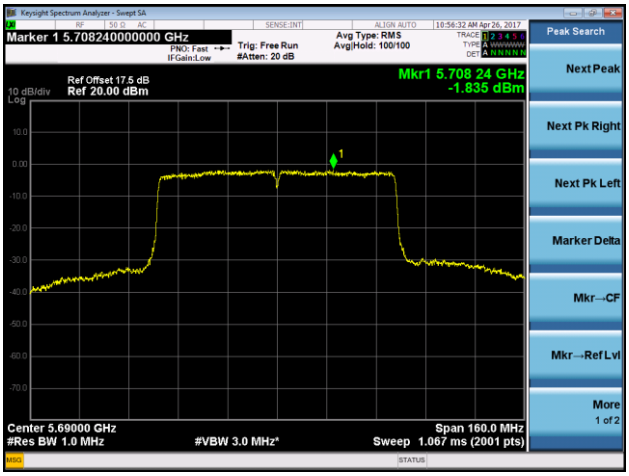



### Channel 134 (5670MHz)




### Channel 142 (5710MHz)



| 802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 | |
|---|---|
| **Channel 58 (5290MHz)** | **Channel 106 (5530MHz)** |
|  |  |
| **Channel 122 (5610MHz)** | **Channel 138 (5690MHz)** |
|  |  |

## 7.6. Frequency Stability Measurement

### 7.6.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 7.6.2. Test Procedure Used

**Frequency Stability Under Temperature Variations:**

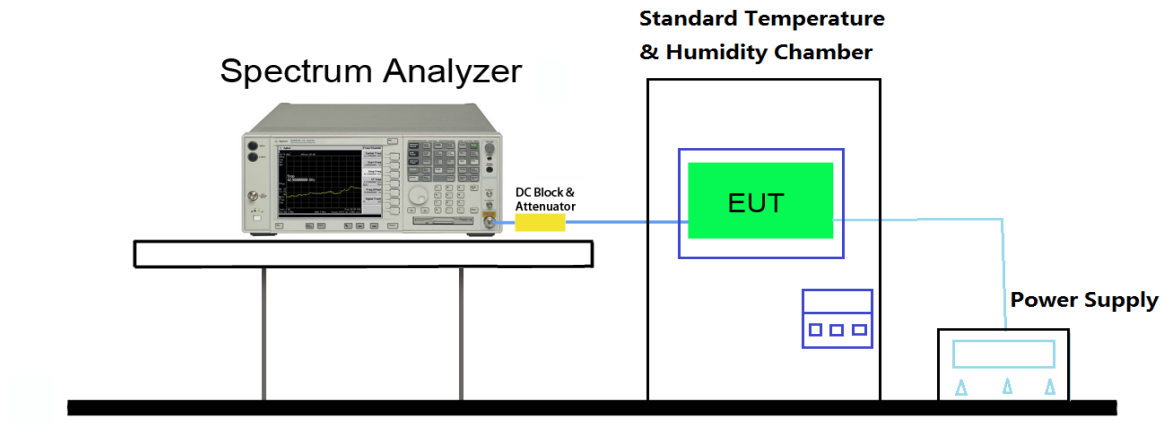
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

**Frequency Stability Under Voltage Variations:**

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

### 7.6.3. Test Setup



### 7.6.4. Test Result

| Test Engineer | Milo Li | Temperature | -30 ~ 50°C |
|---|---|---|---|
| Test Time | 2017/04/29 | Relative Humidity | 48 ~ 55%RH |
| Test Mode | 5300MHz (Carrier Mode) | Test Site | TR3 |

| Voltage (%) | Power (VAC) | Temp (°C) | Frequency Tolerance (ppm) | | | |
|---|---|---|---|---|---|---|
| | | | 0 minutes | 2 minutes | 5 minutes | 10 minutes |
| 100% | 120 | - 30 | -2.64 | -2.62 | -2.41 | -2.34 |
| | | - 20 | -3.24 | -3.16 | -3.28 | -3.42 |
| | | - 10 | -3.15 | -3.32 | -3.68 | -3.44 |
| | | 0 | -4.24 | -3.71 | -4.42 | -4.17 |
| | | + 10 | -4.63 | -4.33 | -4.71 | -4.95 |
| | | + 20 (Ref) | -4.58 | -5.12 | -5.32 | -5.21 |
| | | + 30 | -5.93 | -5.99 | -5.52 | -5.73 |
| | | + 40 | -6.35 | -6.47 | -6.43 | -6.62 |
| | | + 50 | -6.71 | -7.65 | -7.32 | -6.92 |
| 115% | 138 | + 20 | -5.71 | -5.43 | -5.61 | -5.13 |
| 85% | 102 | + 20 | -4.75 | -4.62 | -4.72 | -4.57 |

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *$10^6$.

## 7.7. Radiated Spurious Emission Measurement

### 7.7.1. Test Limit

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

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

### 7.7.2. Test Procedure Used

KDB 789033 D02v01r04 – Section G

### 7.7.3. Test Setting

**Peak Measurements above 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

**Quasi-Peak Measurements below 1GHz**

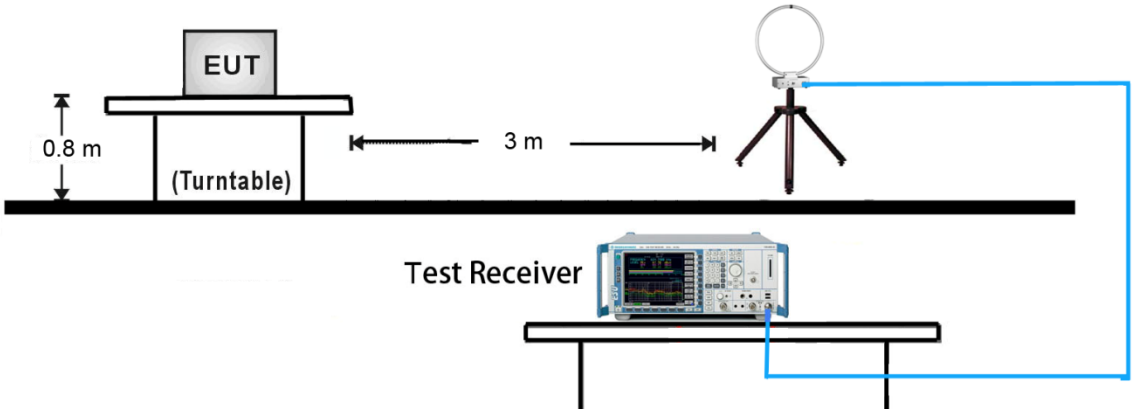
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

**Average Measurements above 1GHz (Method AD)**

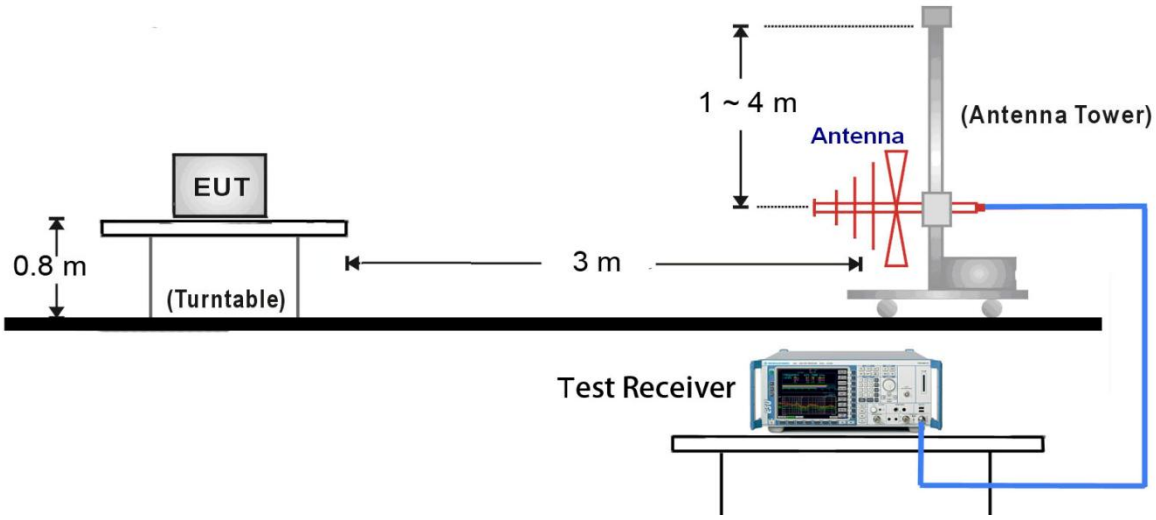
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

### 7.7.4. Test Setup

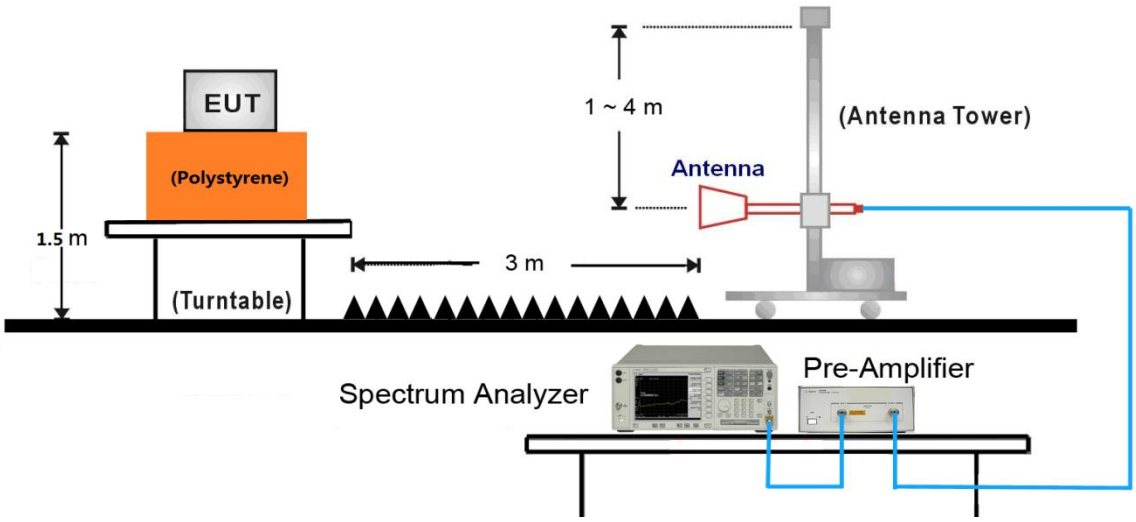
9kHz ~ 30MHz Test Setup:



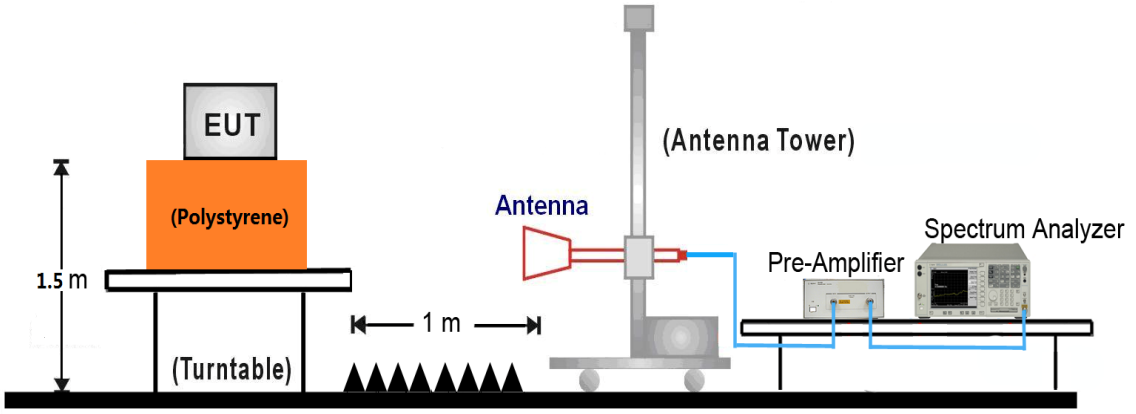
30MHz ~ 1GHz Test Setup:




1GHz ~18GHz Test Setup:




18GHz ~40GHz Test Setup:



### 7.7.5. Test Result

| Test Mode: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8242.0 | 34.3 | 8.1 | 42.4 | 74.0 | -31.6 | Peak | Horizontal |
| * | 8743.5 | 34.0 | 9.0 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| * | 10520.0 | 37.1 | 12.4 | 49.5 | 68.2 | -18.7 | Peak | Horizontal |
| | 11489.0 | 33.7 | 12.8 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| | 8208.0 | 33.7 | 8.3 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 9721.0 | 32.5 | 11.1 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 10520.0 | 39.7 | 12.4 | 52.1 | 68.2 | -16.1 | Peak | Vertical |
| | 11710.0 | 32.1 | 12.0 | 44.1 | 74.0 | -29.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8199.5 | 34.0 | 8.3 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| * | 9636.0 | 32.8 | 11.0 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| * | 10596.5 | 38.3 | 12.4 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| | 11378.5 | 32.8 | 12.6 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| | 9092.0 | 33.8 | 9.2 | 43.0 | 74.0 | -31.0 | Peak | Vertical |
| * | 9899.5 | 32.7 | 11.6 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| * | 10596.5 | 41.7 | 12.4 | 54.1 | 68.2 | -14.1 | Peak | Vertical |
| | 11684.5 | 33.3 | 12.1 | 45.4 | 74.0 | -28.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8310.0 | 33.8 | 8.0 | 41.8 | 74.0 | -32.2 | Peak | Horizontal |
| * | 9253.5 | 33.1 | 10.2 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 9678.5 | 33.5 | 10.9 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 10639.0 | 38.4 | 12.3 | 50.7 | 74.0 | -23.3 | Peak | Horizontal |
| | 8165.5 | 32.7 | 8.4 | 41.1 | 74.0 | -32.9 | Peak | Vertical |
| * | 8769.0 | 32.8 | 8.9 | 41.7 | 68.2 | -26.5 | Peak | Vertical |
| * | 9593.5 | 33.5 | 10.9 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 10639.0 | 41.8 | 12.3 | 54.1 | 74.0 | -19.9 | Peak | Vertical |
| | 10639.0 | 30.5 | 12.3 | 42.8 | 54.0 | -11.2 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8352.5 | 33.1 | 8.0 | 41.1 | 74.0 | -32.9 | Peak | Horizontal |
| * | 9296.0 | 33.2 | 10.3 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 9993.0 | 33.9 | 11.4 | 45.3 | 68.2 | -22.9 | Peak | Horizontal |
| | 11106.5 | 37.2 | 12.8 | 50.0 | 74.0 | -24.0 | Peak | Horizontal |
| | 8386.5 | 33.5 | 8.1 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| * | 8811.5 | 32.5 | 9.0 | 41.5 | 68.2 | -26.7 | Peak | Vertical |
| * | 9993.0 | 33.7 | 11.4 | 45.1 | 68.2 | -23.1 | Peak | Vertical |
| | 11106.5 | 39.7 | 12.8 | 52.5 | 74.0 | -21.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 34.0 | 7.9 | 41.9 | 74.0 | -32.1 | Peak | Horizontal |
| * | 8582.0 | 33.5 | 8.6 | 42.1 | 68.2 | -26.1 | Peak | Horizontal |
| * | 9636.0 | 32.6 | 11.0 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 11225.5 | 34.0 | 12.4 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| | 7604.5 | 34.1 | 8.1 | 42.2 | 74.0 | -31.8 | Peak | Vertical |
| * | 8735.0 | 33.3 | 8.9 | 42.2 | 68.2 | -26.0 | Peak | Vertical |
| * | 9721.0 | 32.5 | 11.1 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 10877.0 | 33.6 | 12.9 | 46.5 | 74.0 | -27.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7570.5 | 34.1 | 8.2 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| * | 8658.5 | 34.0 | 8.8 | 42.8 | 68.2 | -25.4 | Peak | Horizontal |
| * | 9219.5 | 32.6 | 10.1 | 42.7 | 68.2 | -25.5 | Peak | Horizontal |
| | 10877.0 | 33.5 | 12.9 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| | 8310.0 | 33.5 | 8.0 | 41.5 | 74.0 | -32.5 | Peak | Vertical |
| * | 9253.5 | 33.0 | 10.2 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 10120.5 | 32.8 | 11.6 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11387.0 | 38.5 | 12.6 | 51.1 | 74.0 | -22.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11a - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 144 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| * | 7978.5 | 35.1 | 8.7 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| * | 8956.0 | 34.5 | 9.0 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| | 9457.5 | 35.1 | 10.5 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| | 11440.0 | 38.4 | 12.7 | 51.1 | 74.0 | -22.9 | Peak | Horizontal |
| * | 9253.5 | 33.9 | 10.2 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| * | 10069.5 | 35.1 | 11.5 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| | 10707.0 | 35.7 | 12.4 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| | 11440.0 | 39.4 | 12.7 | 52.1 | 74.0 | -21.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8310.0 | 33.5 | 8.0 | 41.5 | 74.0 | -32.5 | Peak | Horizontal |
| * | 9551.0 | 32.9 | 10.8 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| * | 10511.5 | 36.4 | 12.4 | 48.8 | 68.2 | -19.4 | Peak | Horizontal |
| | 11735.5 | 32.6 | 11.9 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 8276.0 | 33.9 | 8.1 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 9636.0 | 32.7 | 11.0 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| * | 10520.0 | 41.2 | 12.4 | 53.6 | 68.2 | -14.6 | Peak | Vertical |
| | 11582.5 | 32.5 | 12.6 | 45.1 | 74.0 | -28.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7264.5 | 34.7 | 7.9 | 42.6 | 74.0 | -31.4 | Peak | Horizontal |
| * | 9219.5 | 32.6 | 10.1 | 42.7 | 68.2 | -25.5 | Peak | Horizontal |
| * | 9993.0 | 33.0 | 11.4 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 10605.0 | 38.7 | 12.4 | 51.1 | 74.0 | -22.9 | Peak | Horizontal |
| | 7366.5 | 33.4 | 7.9 | 41.3 | 74.0 | -32.7 | Peak | Vertical |
| * | 9857.0 | 33.1 | 11.6 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| * | 10596.5 | 42.8 | 12.4 | 55.2 | 68.2 | -13.0 | Peak | Vertical |
| | 11846.0 | 32.9 | 11.9 | 44.8 | 74.0 | -29.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7851.0 | 35.6 | 8.4 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| * | 8803.0 | 34.4 | 8.9 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 9755.0 | 34.5 | 11.4 | 45.9 | 68.2 | -22.3 | Peak | Horizontal |
| | 10639.0 | 38.4 | 12.3 | 50.7 | 74.0 | -23.3 | Peak | Horizontal |
| | 7477.0 | 35.5 | 8.2 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| * | 8624.5 | 35.8 | 8.8 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| * | 9882.5 | 33.6 | 11.6 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 10639.0 | 42.1 | 12.3 | 54.4 | 74.0 | -19.6 | Peak | Vertical |
| | 10639.5 | 31.2 | 12.3 | 43.5 | 54.0 | -10.5 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7400.5 | 33.6 | 7.9 | 41.5 | 74.0 | -32.5 | Peak | Horizontal |
| * | 8692.5 | 34.3 | 9.0 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 9653.0 | 36.9 | 11.0 | 47.9 | 68.2 | -20.3 | Peak | Horizontal |
| | 12381.5 | 33.9 | 11.5 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| | 7468.5 | 33.6 | 8.1 | 41.7 | 74.0 | -32.3 | Peak | Vertical |
| * | 8616.0 | 34.6 | 8.8 | 43.4 | 68.2 | -24.8 | Peak | Vertical |
| * | 9636.0 | 33.3 | 11.0 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11004.5 | 38.1 | 13.0 | 51.1 | 74.0 | -22.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 33.6 | 8.1 | 41.7 | 74.0 | -32.3 | Peak | Horizontal |
| * | 9508.5 | 33.3 | 10.6 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| * | 10443.5 | 32.2 | 12.0 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11200.0 | 41.4 | 12.5 | 53.9 | 74.0 | -20.1 | Peak | Horizontal |
| | 7298.5 | 34.9 | 8.0 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 8616.0 | 33.8 | 8.8 | 42.6 | 68.2 | -25.6 | Peak | Vertical |
| * | 9899.5 | 33.1 | 11.6 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 11208.5 | 41.3 | 12.4 | 53.7 | 74.0 | -20.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8310.0 | 33.6 | 8.0 | 41.6 | 74.0 | -32.4 | Peak | Horizontal |
| * | 9508.5 | 33.4 | 10.6 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| * | 10171.5 | 32.9 | 11.7 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| | 11395.5 | 35.9 | 12.6 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 7298.5 | 34.4 | 8.0 | 42.4 | 74.0 | -31.6 | Peak | Vertical |
| * | 8735.0 | 32.9 | 8.9 | 41.8 | 68.2 | -26.4 | Peak | Vertical |
| * | 9899.5 | 33.2 | 11.6 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11395.5 | 38.4 | 12.6 | 51.0 | 74.0 | -23.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 144 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| * | 9296.0 | 34.2 | 10.3 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| * | 9916.5 | 34.7 | 11.5 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| | 10792.0 | 34.2 | 12.6 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| | 11440.0 | 38.6 | 12.7 | 51.3 | 74.0 | -22.7 | Peak | Horizontal |
| * | 8684.0 | 35.3 | 9.0 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| * | 10265.0 | 33.1 | 12.0 | 45.1 | 68.2 | -23.1 | Peak | Vertical |
| | 10681.5 | 34.3 | 12.4 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| | 11440.0 | 39.6 | 12.7 | 52.3 | 74.0 | -21.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 54 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 8386.5 | 32.6 | 8.1 | 40.7 | 74.0 | -33.3 | Peak | Horizontal |
| * | 9857.0 | 31.6 | 11.6 | 43.2 | 68.2 | -25.0 | Peak | Horizontal |
| * | 10537.0 | 35.8 | 12.5 | 48.3 | 68.2 | -19.9 | Peak | Horizontal |
| | 11633.5 | 32.6 | 12.4 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 8242.0 | 33.4 | 8.1 | 41.5 | 74.0 | -32.5 | Peak | Vertical |
| * | 9593.5 | 32.6 | 10.9 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| * | 10537.0 | 38.6 | 12.5 | 51.1 | 68.2 | -17.1 | Peak | Vertical |
| | 11480.5 | 33.0 | 12.7 | 45.7 | 74.0 | -28.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 62 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 34.2 | 8.1 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| * | 8854.0 | 33.1 | 9.1 | 42.2 | 68.2 | -26.0 | Peak | Horizontal |
| * | 9636.0 | 33.6 | 11.0 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| | 10766.5 | 37.0 | 12.5 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| | 8055.0 | 33.1 | 8.8 | 41.9 | 74.0 | -32.1 | Peak | Vertical |
| * | 8854.0 | 33.2 | 9.1 | 42.3 | 68.2 | -25.9 | Peak | Vertical |
| * | 9551.0 | 32.4 | 10.8 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| | 10630.5 | 40.2 | 12.4 | 52.6 | 74.0 | -21.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 102 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 33.3 | 7.9 | 41.2 | 74.0 | -32.8 | Peak | Horizontal |
| * | 8616.0 | 33.2 | 8.8 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 9814.5 | 33.7 | 11.6 | 45.3 | 68.2 | -22.9 | Peak | Horizontal |
| | 11378.5 | 32.4 | 12.6 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 8386.5 | 34.0 | 8.1 | 42.1 | 74.0 | -31.9 | Peak | Vertical |
| * | 9551.0 | 32.2 | 10.8 | 43.0 | 68.2 | -25.2 | Peak | Vertical |
| * | 10307.5 | 32.4 | 12.0 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11735.5 | 32.9 | 11.9 | 44.8 | 74.0 | -29.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 118 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7400.5 | 32.9 | 7.9 | 40.8 | 74.0 | -33.2 | Peak | Horizontal |
| * | 9636.0 | 32.8 | 11.0 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| * | 10494.5 | 33.1 | 12.4 | 45.5 | 68.2 | -22.7 | Peak | Horizontal |
| | 11166.0 | 35.9 | 12.6 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 7536.5 | 34.1 | 8.3 | 42.4 | 74.0 | -31.6 | Peak | Vertical |
| * | 8811.5 | 33.4 | 9.0 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 10265.0 | 33.7 | 12.0 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11183.0 | 38.8 | 12.6 | 51.4 | 74.0 | -22.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 134 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7332.5 | 33.6 | 8.0 | 41.6 | 74.0 | -32.4 | Peak | Horizontal |
| * | 8692.5 | 33.7 | 9.0 | 42.7 | 68.2 | -25.5 | Peak | Horizontal |
| * | 10035.5 | 33.4 | 11.5 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| | 11336.0 | 36.4 | 12.5 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| | 8386.5 | 33.1 | 8.1 | 41.2 | 74.0 | -32.8 | Peak | Vertical |
| * | 9508.5 | 33.3 | 10.6 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| * | 10214.0 | 32.8 | 11.8 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11336.0 | 37.0 | 12.5 | 49.5 | 74.0 | -24.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 142 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| * | 8930.5 | 32.9 | 9.0 | 41.9 | 68.2 | -26.3 | Peak | Horizontal |
| * | 10341.5 | 34.4 | 12.2 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| | 10792.0 | 34.7 | 12.6 | 47.3 | 74.0 | -26.7 | Peak | Horizontal |
| | 11420.0 | 39.4 | 12.6 | 52.0 | 74.0 | -22.0 | Peak | Horizontal |
| * | 8692.5 | 33.4 | 9.0 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 10307.5 | 33.2 | 12.0 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 10817.5 | 33.8 | 12.7 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 11420.0 | 38.4 | 12.6 | 51.0 | 74.0 | -23.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 33.7 | 8.1 | 41.8 | 74.0 | -32.2 | Peak | Horizontal |
| * | 9593.5 | 32.7 | 10.9 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| * | 10528.5 | 36.8 | 12.5 | 49.3 | 68.2 | -18.9 | Peak | Horizontal |
| | 11948.0 | 32.7 | 11.9 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 8429.0 | 33.5 | 8.2 | 41.7 | 74.0 | -32.3 | Peak | Vertical |
| * | 9721.0 | 32.9 | 11.1 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| * | 10520.0 | 40.9 | 12.4 | 53.3 | 68.2 | -14.9 | Peak | Vertical |
| | 11948.0 | 33.5 | 11.9 | 45.4 | 74.0 | -28.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7400.5 | 34.1 | 7.9 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 9636.0 | 33.5 | 11.0 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| * | 10596.5 | 38.5 | 12.4 | 50.9 | 68.2 | -17.3 | Peak | Horizontal |
| | 11684.5 | 34.1 | 12.1 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| | 7468.5 | 33.7 | 8.1 | 41.8 | 74.0 | -32.2 | Peak | Vertical |
| * | 9814.5 | 32.3 | 11.6 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| * | 10596.5 | 41.8 | 12.4 | 54.2 | 68.2 | -14.0 | Peak | Vertical |
| | 11480.5 | 32.5 | 12.7 | 45.2 | 74.0 | -28.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7570.5 | 33.8 | 8.2 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 8930.5 | 32.9 | 9.0 | 41.9 | 68.2 | -26.3 | Peak | Horizontal |
| * | 9721.0 | 33.1 | 11.1 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 10647.5 | 39.1 | 12.3 | 51.4 | 74.0 | -22.6 | Peak | Horizontal |
| | 7332.5 | 33.8 | 8.0 | 41.8 | 74.0 | -32.2 | Peak | Vertical |
| * | 7842.5 | 34.0 | 8.4 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 9721.0 | 33.0 | 11.1 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| | 10647.5 | 43.0 | 12.3 | 55.3 | 74.0 | -18.7 | Peak | Vertical |
| | 10647.5 | 33.1 | 12.3 | 45.4 | 54.0 | -8.6 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7332.5 | 33.8 | 8.0 | 41.8 | 74.0 | -32.2 | Peak | Horizontal |
| * | 8539.5 | 33.6 | 8.5 | 42.1 | 68.2 | -26.1 | Peak | Horizontal |
| * | 9899.5 | 32.7 | 11.6 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11123.5 | 32.6 | 12.7 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| | 7502.5 | 34.6 | 8.3 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 9219.5 | 33.1 | 10.1 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 10078.0 | 33.2 | 11.5 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 10996.0 | 37.7 | 13.0 | 50.7 | 74.0 | -23.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 34.0 | 8.1 | 42.1 | 74.0 | -31.9 | Peak | Horizontal |
| * | 8888.0 | 33.6 | 9.2 | 42.8 | 68.2 | -25.4 | Peak | Horizontal |
| * | 10401.0 | 33.7 | 12.3 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| | 11191.5 | 39.0 | 12.5 | 51.5 | 74.0 | -22.5 | Peak | Horizontal |
| | 8089.0 | 32.9 | 8.6 | 41.5 | 74.0 | -32.5 | Peak | Vertical |
| * | 8854.0 | 32.7 | 9.1 | 41.8 | 68.2 | -26.4 | Peak | Vertical |
| * | 10171.5 | 33.2 | 11.7 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11200.0 | 41.1 | 12.5 | 53.6 | 74.0 | -20.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 35.7 | 8.3 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| * | 8692.5 | 34.2 | 9.0 | 43.2 | 68.2 | -25.0 | Peak | Horizontal |
| * | 9993.0 | 33.4 | 11.4 | 44.8 | 68.2 | -23.4 | Peak | Horizontal |
| | 11276.5 | 33.5 | 12.4 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| | 7638.5 | 33.2 | 8.0 | 41.2 | 74.0 | -32.8 | Peak | Vertical |
| * | 8854.0 | 32.0 | 9.1 | 41.1 | 68.2 | -27.1 | Peak | Vertical |
| * | 10120.5 | 33.2 | 11.6 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11480.5 | 32.0 | 12.7 | 44.7 | 74.0 | -29.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 144 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 33.9 | 8.3 | 42.2 | 74.0 | -31.8 | Peak | Horizontal |
| * | 8973.0 | 34.0 | 9.0 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| * | 10401.0 | 33.6 | 12.3 | 45.9 | 68.2 | -22.3 | Peak | Horizontal |
| | 11438.0 | 37.5 | 12.6 | 50.1 | 74.0 | -23.9 | Peak | Horizontal |
| | 7468.5 | 33.9 | 8.1 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 8616.0 | 33.4 | 8.8 | 42.2 | 68.2 | -26.0 | Peak | Vertical |
| * | 9993.0 | 32.4 | 11.4 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| | 11446.5 | 39.5 | 12.7 | 52.2 | 74.0 | -21.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 54 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 33.9 | 8.1 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 8854.0 | 32.8 | 9.1 | 41.9 | 68.2 | -26.3 | Peak | Horizontal |
| * | 9636.0 | 34.5 | 11.0 | 45.5 | 68.2 | -22.7 | Peak | Horizontal |
| | 11225.5 | 34.1 | 12.4 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| | 7468.5 | 33.5 | 8.1 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| * | 8811.5 | 34.5 | 9.0 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| * | 10537.0 | 38.2 | 12.5 | 50.7 | 68.2 | -17.5 | Peak | Vertical |
| | 11582.5 | 31.9 | 12.6 | 44.5 | 74.0 | -29.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 62 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 33.5 | 8.1 | 41.6 | 74.0 | -32.4 | Peak | Horizontal |
| * | 8769.0 | 33.4 | 8.9 | 42.3 | 68.2 | -25.9 | Peak | Horizontal |
| * | 9772.0 | 32.1 | 11.4 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| | 10970.5 | 32.7 | 13.1 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| | 7366.5 | 34.4 | 7.9 | 42.3 | 74.0 | -31.7 | Peak | Vertical |
| * | 8505.5 | 34.1 | 8.4 | 42.5 | 68.2 | -25.7 | Peak | Vertical |
| * | 9993.0 | 33.0 | 11.4 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 10622.0 | 39.6 | 12.4 | 52.0 | 74.0 | -22.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 102 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 34.4 | 7.9 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| * | 8616.0 | 33.8 | 8.8 | 42.6 | 68.2 | -25.6 | Peak | Horizontal |
| * | 9508.5 | 33.6 | 10.6 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11174.5 | 32.3 | 12.6 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 7638.5 | 34.9 | 8.0 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 8854.0 | 33.6 | 9.1 | 42.7 | 68.2 | -25.5 | Peak | Vertical |
| * | 9857.0 | 32.8 | 11.6 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 10732.5 | 33.1 | 12.5 | 45.6 | 74.0 | -28.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 118 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 34.9 | 7.9 | 42.8 | 74.0 | -31.2 | Peak | Horizontal |
| * | 8854.0 | 33.0 | 9.1 | 42.1 | 68.2 | -26.1 | Peak | Horizontal |
| * | 10078.0 | 33.4 | 11.5 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| | 11183.0 | 36.3 | 12.6 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| | 8055.0 | 32.9 | 8.8 | 41.7 | 74.0 | -32.3 | Peak | Vertical |
| * | 8930.5 | 33.3 | 9.0 | 42.3 | 68.2 | -25.9 | Peak | Vertical |
| * | 10078.0 | 32.9 | 11.5 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11166.0 | 37.1 | 12.6 | 49.7 | 74.0 | -24.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 134 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 34.4 | 7.9 | 42.3 | 74.0 | -31.7 | Peak | Horizontal |
| * | 9508.5 | 32.7 | 10.6 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 10401.0 | 32.4 | 12.3 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 11344.5 | 36.5 | 12.5 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 7570.5 | 35.2 | 8.2 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| * | 8539.5 | 33.5 | 8.5 | 42.0 | 68.2 | -26.2 | Peak | Vertical |
| * | 10350.0 | 33.3 | 12.2 | 45.5 | 68.2 | -22.7 | Peak | Vertical |
| | 11327.5 | 38.4 | 12.5 | 50.9 | 74.0 | -23.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 142 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 33.6 | 8.1 | 41.7 | 74.0 | -32.3 | Peak | Horizontal |
| * | 8658.5 | 33.3 | 8.8 | 42.1 | 68.2 | -26.1 | Peak | Horizontal |
| * | 9772.0 | 32.2 | 11.4 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 10783.5 | 33.2 | 12.6 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| | 7502.5 | 34.7 | 8.3 | 43.0 | 74.0 | -31.0 | Peak | Vertical |
| * | 8888.0 | 33.3 | 9.2 | 42.5 | 68.2 | -25.7 | Peak | Vertical |
| * | 9993.0 | 32.9 | 11.4 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11429.5 | 36.3 | 12.6 | 48.9 | 74.0 | -25.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 58 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7502.5 | 34.7 | 8.3 | 43.0 | 74.0 | -31.0 | Peak | Horizontal |
| * | 8616.0 | 33.7 | 8.8 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 9721.0 | 32.8 | 11.1 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 11378.5 | 32.3 | 12.6 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 7570.5 | 34.7 | 8.2 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 8769.0 | 33.5 | 8.9 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 10443.5 | 32.6 | 12.0 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11378.5 | 32.3 | 12.6 | 44.9 | 74.0 | -29.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 106 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7570.5 | 34.7 | 8.2 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| * | 8973.0 | 33.5 | 9.0 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 9899.5 | 34.2 | 11.6 | 45.8 | 68.2 | -22.4 | Peak | Horizontal |
| | 10826.0 | 33.3 | 12.7 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| | 7366.5 | 33.6 | 7.9 | 41.5 | 74.0 | -32.5 | Peak | Vertical |
| * | 8505.5 | 34.4 | 8.4 | 42.8 | 68.2 | -25.4 | Peak | Vertical |
| * | 10120.5 | 32.7 | 11.6 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 10826.0 | 33.3 | 12.7 | 46.0 | 74.0 | -28.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 122 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 33.6 | 7.9 | 41.5 | 74.0 | -32.5 | Peak | Horizontal |
| * | 8616.0 | 34.6 | 8.8 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| * | 9636.0 | 33.6 | 11.0 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| | 10877.0 | 33.1 | 12.9 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| | 7570.5 | 33.8 | 8.2 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 8769.0 | 33.7 | 8.9 | 42.6 | 68.2 | -25.6 | Peak | Vertical |
| * | 9942.0 | 33.9 | 11.5 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 10877.0 | 33.1 | 12.9 | 46.0 | 74.0 | -28.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 138 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7570.5 | 33.8 | 8.2 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 8582.0 | 34.3 | 8.6 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 9219.5 | 32.0 | 10.1 | 42.1 | 68.2 | -26.1 | Peak | Horizontal |
| | 10928.0 | 33.1 | 13.0 | 46.1 | 74.0 | -27.9 | Peak | Horizontal |
| | 7638.5 | 33.8 | 8.0 | 41.8 | 74.0 | -32.2 | Peak | Vertical |
| * | 8692.5 | 34.0 | 9.0 | 43.0 | 68.2 | -25.2 | Peak | Vertical |
| * | 9993.0 | 32.9 | 11.4 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 10928.0 | 33.1 | 13.0 | 46.1 | 74.0 | -27.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7638.5 | 33.7 | 8.0 | 41.7 | 74.0 | -32.3 | Peak | Horizontal |
| * | 9551.0 | 32.6 | 10.8 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| * | 10511.5 | 36.1 | 12.4 | 48.5 | 68.2 | -19.7 | Peak | Horizontal |
| | 11276.5 | 32.8 | 12.4 | 45.2 | 74.0 | -28.8 | Peak | Horizontal |
| | 8463.0 | 33.2 | 8.2 | 41.4 | 74.0 | -32.6 | Peak | Vertical |
| * | 9508.5 | 33.0 | 10.6 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 10520.0 | 39.2 | 12.4 | 51.6 | 68.2 | -16.6 | Peak | Vertical |
| | 11276.5 | 33.2 | 12.4 | 45.6 | 74.0 | -28.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7434.5 | 33.7 | 8.0 | 41.7 | 74.0 | -32.3 | Peak | Horizontal |
| * | 9296.0 | 32.5 | 10.3 | 42.8 | 68.2 | -25.4 | Peak | Horizontal |
| * | 9899.5 | 32.4 | 11.6 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 10613.5 | 38.3 | 12.4 | 50.7 | 74.0 | -23.3 | Peak | Horizontal |
| | 7264.5 | 34.8 | 7.9 | 42.7 | 74.0 | -31.3 | Peak | Vertical |
| * | 9899.5 | 33.0 | 11.6 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| * | 10596.5 | 43.4 | 12.4 | 55.8 | 68.2 | -12.4 | Peak | Vertical |
| | 11174.5 | 32.7 | 12.6 | 45.3 | 74.0 | -28.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 33.5 | 7.9 | 41.4 | 74.0 | -32.6 | Peak | Horizontal |
| * | 8616.0 | 33.7 | 8.8 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 9551.0 | 31.5 | 10.8 | 42.3 | 68.2 | -25.9 | Peak | Horizontal |
| | 10639.0 | 39.7 | 12.3 | 52.0 | 74.0 | -22.0 | Peak | Horizontal |
| | 7434.5 | 34.5 | 8.0 | 42.5 | 74.0 | -31.5 | Peak | Vertical |
| * | 8735.0 | 33.8 | 8.9 | 42.7 | 68.2 | -25.5 | Peak | Vertical |
| * | 9772.0 | 33.5 | 11.4 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 10633.5 | 30.8 | 12.4 | 43.2 | 54.0 | -10.8 | Average | Vertical |
| | 10647.5 | 43.2 | 12.3 | 55.5 | 74.0 | -18.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7434.5 | 33.8 | 8.0 | 41.8 | 74.0 | -32.2 | Peak | Horizontal |
| * | 9636.0 | 33.5 | 11.0 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| * | 10350.0 | 32.9 | 12.2 | 45.1 | 68.2 | -23.1 | Peak | Horizontal |
| | 10996.0 | 35.7 | 13.0 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| | 7400.5 | 34.1 | 7.9 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 8811.5 | 32.9 | 9.0 | 41.9 | 68.2 | -26.3 | Peak | Vertical |
| * | 9942.0 | 33.0 | 11.5 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| | 11004.5 | 40.4 | 13.0 | 53.4 | 74.0 | -20.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 33.3 | 7.9 | 41.2 | 74.0 | -32.8 | Peak | Horizontal |
| * | 9508.5 | 33.1 | 10.6 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| * | 10307.5 | 32.3 | 12.0 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11208.5 | 37.8 | 12.4 | 50.2 | 74.0 | -23.8 | Peak | Horizontal |
| | 7536.5 | 33.7 | 8.3 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 9593.5 | 32.9 | 10.9 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| * | 10214.0 | 33.0 | 11.8 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11200.0 | 39.9 | 12.5 | 52.4 | 74.0 | -21.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 33.7 | 8.3 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 8582.0 | 34.7 | 8.6 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 9568.0 | 31.4 | 10.9 | 42.3 | 68.2 | -25.9 | Peak | Horizontal |
| | 10732.5 | 33.2 | 12.5 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 7570.5 | 35.0 | 8.2 | 43.2 | 74.0 | -30.8 | Peak | Vertical |
| * | 8811.5 | 33.5 | 9.0 | 42.5 | 68.2 | -25.7 | Peak | Vertical |
| * | 10265.0 | 32.5 | 12.0 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| | 11395.5 | 38.0 | 12.6 | 50.6 | 74.0 | -23.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 144 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| * | 8956.0 | 34.3 | 9.0 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 10333.0 | 34.6 | 12.2 | 46.8 | 68.2 | -21.4 | Peak | Horizontal |
| | 10792.0 | 33.9 | 12.6 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| | 11440.0 | 38.7 | 12.7 | 51.4 | 74.0 | -22.6 | Peak | Horizontal |
| * | 8684.0 | 35.0 | 9.0 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| * | 9746.5 | 34.6 | 11.3 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| | 10936.5 | 33.2 | 13.0 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| | 11440.0 | 38.7 | 12.7 | 51.4 | 74.0 | -22.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 54 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7570.5 | 35.0 | 8.2 | 43.2 | 74.0 | -30.8 | Peak | Horizontal |
| * | 8888.0 | 33.3 | 9.2 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 10537.0 | 34.5 | 12.5 | 47.0 | 68.2 | -21.2 | Peak | Horizontal |
| | 11378.5 | 31.8 | 12.6 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 8386.5 | 32.6 | 8.1 | 40.7 | 74.0 | -33.3 | Peak | Vertical |
| * | 9721.0 | 34.4 | 11.1 | 45.5 | 68.2 | -22.7 | Peak | Vertical |
| * | 10537.0 | 37.9 | 12.5 | 50.4 | 68.2 | -17.8 | Peak | Vertical |
| | 11072.5 | 32.4 | 12.8 | 45.2 | 74.0 | -28.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 62 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7264.5 | 34.3 | 7.9 | 42.2 | 74.0 | -31.8 | Peak | Horizontal |
| * | 8505.5 | 33.0 | 8.4 | 41.4 | 68.2 | -26.8 | Peak | Horizontal |
| * | 9942.0 | 32.7 | 11.5 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11021.5 | 32.1 | 13.0 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| | 7536.5 | 34.6 | 8.3 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 8811.5 | 33.8 | 9.0 | 42.8 | 68.2 | -25.4 | Peak | Vertical |
| * | 10265.0 | 32.0 | 12.0 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 10613.5 | 37.4 | 12.4 | 49.8 | 74.0 | -24.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 102 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 34.6 | 8.3 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| * | 8769.0 | 33.6 | 8.9 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 10222.5 | 32.0 | 11.8 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11370.0 | 31.2 | 12.6 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 7536.5 | 34.6 | 8.3 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 9636.0 | 33.4 | 11.0 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| * | 10537.0 | 33.1 | 12.5 | 45.6 | 68.2 | -22.6 | Peak | Vertical |
| | 11370.0 | 31.2 | 12.6 | 43.8 | 74.0 | -30.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 118 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 35.1 | 7.9 | 43.0 | 74.0 | -31.0 | Peak | Horizontal |
| * | 8973.0 | 33.7 | 9.0 | 42.7 | 68.2 | -25.5 | Peak | Horizontal |
| * | 10401.0 | 33.0 | 12.3 | 45.3 | 68.2 | -22.9 | Peak | Horizontal |
| | 11149.0 | 37.5 | 12.6 | 50.1 | 74.0 | -23.9 | Peak | Horizontal |
| | 7570.5 | 35.4 | 8.2 | 43.6 | 74.0 | -30.4 | Peak | Vertical |
| * | 8888.0 | 33.9 | 9.2 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 10307.5 | 33.4 | 12.0 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 11183.0 | 39.9 | 12.6 | 52.5 | 74.0 | -21.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 134 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 33.9 | 8.1 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 8692.5 | 33.2 | 9.0 | 42.2 | 68.2 | -26.0 | Peak | Horizontal |
| * | 10171.5 | 32.7 | 11.7 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11336.0 | 36.6 | 12.5 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| | 7366.5 | 33.8 | 7.9 | 41.7 | 74.0 | -32.3 | Peak | Vertical |
| * | 8769.0 | 33.2 | 8.9 | 42.1 | 68.2 | -26.1 | Peak | Vertical |
| * | 10494.5 | 32.7 | 12.4 | 45.1 | 68.2 | -23.1 | Peak | Vertical |
| | 11336.0 | 38.6 | 12.5 | 51.1 | 74.0 | -22.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

| Test Mode: | 802.11n-HT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 142 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| * | 8599.0 | 34.7 | 8.7 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| * | 10086.5 | 34.3 | 11.5 | 45.8 | 68.2 | -22.4 | Peak | Horizontal |
| | 10783.5 | 34.1 | 12.6 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 11420.0 | 38.4 | 12.6 | 51.0 | 74.0 | -23.0 | Peak | Horizontal |
| * | 8684.0 | 35.7 | 9.0 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| * | 10069.5 | 34.7 | 11.5 | 46.2 | 68.2 | -22.0 | Peak | Vertical |
| | 10775.0 | 34.6 | 12.5 | 47.1 | 74.0 | -26.9 | Peak | Vertical |
| | 11420.0 | 38.7 | 12.6 | 51.3 | 74.0 | -22.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7672.5 | 34.1 | 8.0 | 42.1 | 74.0 | -31.9 | Peak | Horizontal |
| * | 9593.5 | 32.5 | 10.9 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| * | 10511.5 | 39.1 | 12.4 | 51.5 | 68.2 | -16.7 | Peak | Horizontal |
| | 11327.5 | 32.9 | 12.5 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| | 8463.0 | 33.8 | 8.2 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 9593.5 | 32.8 | 10.9 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| * | 10511.5 | 40.0 | 12.4 | 52.4 | 68.2 | -15.8 | Peak | Vertical |
| | 11072.5 | 32.7 | 12.8 | 45.5 | 74.0 | -28.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7400.5 | 33.8 | 7.9 | 41.7 | 74.0 | -32.3 | Peak | Horizontal |
| * | 8888.0 | 33.7 | 9.2 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 10596.5 | 39.1 | 12.4 | 51.5 | 68.2 | -16.7 | Peak | Horizontal |
| | 11378.5 | 33.4 | 12.6 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| | 7434.5 | 33.6 | 8.0 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| * | 9593.5 | 33.1 | 10.9 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| * | 10596.5 | 42.4 | 12.4 | 54.8 | 68.2 | -13.4 | Peak | Vertical |
| | 11276.5 | 33.3 | 12.4 | 45.7 | 74.0 | -28.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7434.5 | 34.6 | 8.0 | 42.6 | 74.0 | -31.4 | Peak | Horizontal |
| * | 8658.5 | 34.8 | 8.8 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| * | 9814.5 | 32.4 | 11.6 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 10639.0 | 40.2 | 12.3 | 52.5 | 74.0 | -21.5 | Peak | Horizontal |
| | 7332.5 | 35.0 | 8.0 | 43.0 | 74.0 | -31.0 | Peak | Vertical |
| * | 8888.0 | 33.5 | 9.2 | 42.7 | 68.2 | -25.5 | Peak | Vertical |
| * | 9772.0 | 32.4 | 11.4 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| | 10630.5 | 43.3 | 12.4 | 55.7 | 74.0 | -18.3 | Peak | Vertical |
| | 10635.9 | 30.7 | 12.4 | 43.1 | 54.0 | -10.9 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7239.0 | 34.4 | 7.8 | 42.2 | 74.0 | -31.8 | Peak | Horizontal |
| * | 8973.0 | 33.4 | 9.0 | 42.4 | 68.2 | -25.8 | Peak | Horizontal |
| * | 10120.5 | 33.3 | 11.6 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| | 11004.5 | 36.1 | 13.0 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| | 7570.5 | 34.5 | 8.2 | 42.7 | 74.0 | -31.3 | Peak | Vertical |
| * | 8616.0 | 33.1 | 8.8 | 41.9 | 68.2 | -26.3 | Peak | Vertical |
| * | 9993.0 | 34.3 | 11.4 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11004.5 | 41.6 | 13.0 | 54.6 | 74.0 | -19.4 | Peak | Vertical |
| | 11004.5 | 27.0 | 13.0 | 40.0 | 54.0 | -14.0 | Average | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7332.5 | 34.2 | 8.0 | 42.2 | 74.0 | -31.8 | Peak | Horizontal |
| * | 9593.5 | 32.7 | 10.9 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| * | 10443.5 | 32.4 | 12.0 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11191.5 | 37.7 | 12.5 | 50.2 | 74.0 | -23.8 | Peak | Horizontal |
| | 7400.5 | 33.4 | 7.9 | 41.3 | 74.0 | -32.7 | Peak | Vertical |
| * | 8692.5 | 33.9 | 9.0 | 42.9 | 68.2 | -25.3 | Peak | Vertical |
| * | 9857.0 | 32.1 | 11.6 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 11191.5 | 40.1 | 12.5 | 52.6 | 74.0 | -21.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7332.5 | 33.8 | 8.0 | 41.8 | 74.0 | -32.2 | Peak | Horizontal |
| * | 9678.5 | 34.5 | 10.9 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| * | 10537.0 | 32.7 | 12.5 | 45.2 | 68.2 | -23.0 | Peak | Horizontal |
| | 11395.5 | 36.4 | 12.6 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 7366.5 | 34.1 | 7.9 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 9551.0 | 35.5 | 10.8 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| * | 10214.0 | 33.5 | 11.8 | 45.3 | 68.2 | -22.9 | Peak | Vertical |
| | 11395.5 | 36.5 | 12.6 | 49.1 | 74.0 | -24.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT20 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 144 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 33.6 | 8.3 | 41.9 | 74.0 | -32.1 | Peak | Horizontal |
| * | 8888.0 | 32.6 | 9.2 | 41.8 | 68.2 | -26.4 | Peak | Horizontal |
| * | 10401.0 | 33.7 | 12.3 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| | 11438.0 | 36.4 | 12.6 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 7468.5 | 34.5 | 8.1 | 42.6 | 74.0 | -31.4 | Peak | Vertical |
| * | 8854.0 | 34.1 | 9.1 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 10078.0 | 33.3 | 11.5 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11438.0 | 39.9 | 12.6 | 52.5 | 74.0 | -21.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 54 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 34.7 | 8.3 | 43.0 | 74.0 | -31.0 | Peak | Horizontal |
| * | 9772.0 | 32.1 | 11.4 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 10537.0 | 36.3 | 12.5 | 48.8 | 68.2 | -19.4 | Peak | Horizontal |
| | 11480.5 | 33.3 | 12.7 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| | 7332.5 | 34.5 | 8.0 | 42.5 | 74.0 | -31.5 | Peak | Vertical |
| * | 8888.0 | 32.8 | 9.2 | 42.0 | 68.2 | -26.2 | Peak | Vertical |
| * | 10545.5 | 37.4 | 12.5 | 49.9 | 68.2 | -18.3 | Peak | Vertical |
| | 11276.5 | 33.2 | 12.4 | 45.6 | 74.0 | -28.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 62 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7332.5 | 34.5 | 8.0 | 42.5 | 74.0 | -31.5 | Peak | Horizontal |
| * | 8888.0 | 32.8 | 9.2 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 10545.5 | 37.4 | 12.5 | 49.9 | 68.2 | -18.3 | Peak | Horizontal |
| | 11276.5 | 33.2 | 12.4 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| | 7672.5 | 34.2 | 8.0 | 42.2 | 74.0 | -31.8 | Peak | Vertical |
| * | 8811.5 | 33.5 | 9.0 | 42.5 | 68.2 | -25.7 | Peak | Vertical |
| * | 10307.5 | 33.8 | 12.0 | 45.8 | 68.2 | -22.4 | Peak | Vertical |
| | 10622.0 | 36.5 | 12.4 | 48.9 | 74.0 | -25.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 102 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7672.5 | 34.2 | 8.0 | 42.2 | 74.0 | -31.8 | Peak | Horizontal |
| * | 8658.5 | 34.1 | 8.8 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 9551.0 | 32.4 | 10.8 | 43.2 | 68.2 | -25.0 | Peak | Horizontal |
| | 10732.5 | 33.0 | 12.5 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| | 7638.5 | 33.6 | 8.0 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| * | 8888.0 | 33.1 | 9.2 | 42.3 | 68.2 | -25.9 | Peak | Vertical |
| * | 10171.5 | 32.4 | 11.7 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| | 10732.5 | 33.0 | 12.5 | 45.5 | 74.0 | -28.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 118 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 34.5 | 8.1 | 42.6 | 74.0 | -31.4 | Peak | Horizontal |
| * | 8735.0 | 33.7 | 8.9 | 42.6 | 68.2 | -25.6 | Peak | Horizontal |
| * | 10265.0 | 33.1 | 12.0 | 45.1 | 68.2 | -23.1 | Peak | Horizontal |
| | 11191.5 | 38.3 | 12.5 | 50.8 | 74.0 | -23.2 | Peak | Horizontal |
| | 7468.5 | 34.8 | 8.1 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 8692.5 | 33.5 | 9.0 | 42.5 | 68.2 | -25.7 | Peak | Vertical |
| * | 10265.0 | 32.6 | 12.0 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11191.5 | 41.0 | 12.5 | 53.5 | 74.0 | -20.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 134 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 34.8 | 8.1 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| * | 8769.0 | 33.1 | 8.9 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 10171.5 | 32.9 | 11.7 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| | 11735.5 | 32.4 | 11.9 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 7366.5 | 34.1 | 7.9 | 42.0 | 74.0 | -32.0 | Peak | Vertical |
| * | 8811.5 | 33.4 | 9.0 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 10401.0 | 32.9 | 12.3 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 11327.5 | 36.5 | 12.5 | 49.0 | 74.0 | -25.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT40 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 142 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7366.5 | 35.1 | 7.9 | 43.0 | 74.0 | -31.0 | Peak | Horizontal |
| * | 8854.0 | 33.8 | 9.1 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 10307.5 | 34.0 | 12.0 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| | 11421.0 | 35.2 | 12.6 | 47.8 | 74.0 | -26.2 | Peak | Horizontal |
| | 7638.5 | 33.3 | 8.0 | 41.3 | 74.0 | -32.7 | Peak | Vertical |
| * | 8658.5 | 34.3 | 8.8 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 10537.0 | 32.3 | 12.5 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11412.5 | 38.5 | 12.6 | 51.1 | 74.0 | -22.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 58 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7638.5 | 33.3 | 8.0 | 41.3 | 74.0 | -32.7 | Peak | Horizontal |
| * | 8692.5 | 34.8 | 9.0 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| * | 10401.0 | 33.1 | 12.3 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11327.5 | 32.6 | 12.5 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| | 7468.5 | 34.8 | 8.1 | 42.9 | 74.0 | -31.1 | Peak | Vertical |
| * | 8811.5 | 33.1 | 9.0 | 42.1 | 68.2 | -26.1 | Peak | Vertical |
| * | 10571.0 | 35.9 | 12.4 | 48.3 | 68.2 | -19.9 | Peak | Vertical |
| | 11327.5 | 32.6 | 12.5 | 45.1 | 74.0 | -28.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 106 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 34.8 | 8.1 | 42.9 | 74.0 | -31.1 | Peak | Horizontal |
| * | 8658.5 | 34.7 | 8.8 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 9899.5 | 33.2 | 11.6 | 44.8 | 68.2 | -23.4 | Peak | Horizontal |
| | 10877.0 | 33.3 | 12.9 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| | 7366.5 | 33.7 | 7.9 | 41.6 | 74.0 | -32.4 | Peak | Vertical |
| * | 8616.0 | 33.5 | 8.8 | 42.3 | 68.2 | -25.9 | Peak | Vertical |
| * | 10078.0 | 33.2 | 11.5 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 10877.0 | 33.3 | 12.9 | 46.2 | 74.0 | -27.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 122 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7672.5 | 34.0 | 8.0 | 42.0 | 74.0 | -32.0 | Peak | Horizontal |
| * | 8735.0 | 33.1 | 8.9 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 10443.5 | 32.5 | 12.0 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| | 11251.0 | 38.7 | 12.4 | 51.1 | 74.0 | -22.9 | Peak | Horizontal |
| | 7672.5 | 33.5 | 8.0 | 41.5 | 74.0 | -32.5 | Peak | Vertical |
| * | 8973.0 | 33.9 | 9.0 | 42.9 | 68.2 | -25.3 | Peak | Vertical |
| * | 10307.5 | 33.0 | 12.0 | 45.0 | 68.2 | -23.2 | Peak | Vertical |
| | 11208.5 | 39.1 | 12.4 | 51.5 | 74.0 | -22.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: | 802.11ac-VHT80 - Ant 0 + 1 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 138 | Test Engineer: | Jone Zhang |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7672.5 | 33.5 | 8.0 | 41.5 | 74.0 | -32.5 | Peak | Horizontal |
| * | 8930.5 | 33.5 | 9.0 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 10307.5 | 33.1 | 12.0 | 45.1 | 68.2 | -23.1 | Peak | Horizontal |
| | 10928.0 | 32.5 | 13.0 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| | 7570.5 | 34.6 | 8.2 | 42.8 | 74.0 | -31.2 | Peak | Vertical |
| * | 8616.0 | 34.5 | 8.8 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| * | 9899.5 | 33.1 | 11.6 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 10681.5 | 33.6 | 12.4 | 46.0 | 74.0 | -28.0 | Peak | Vertical |

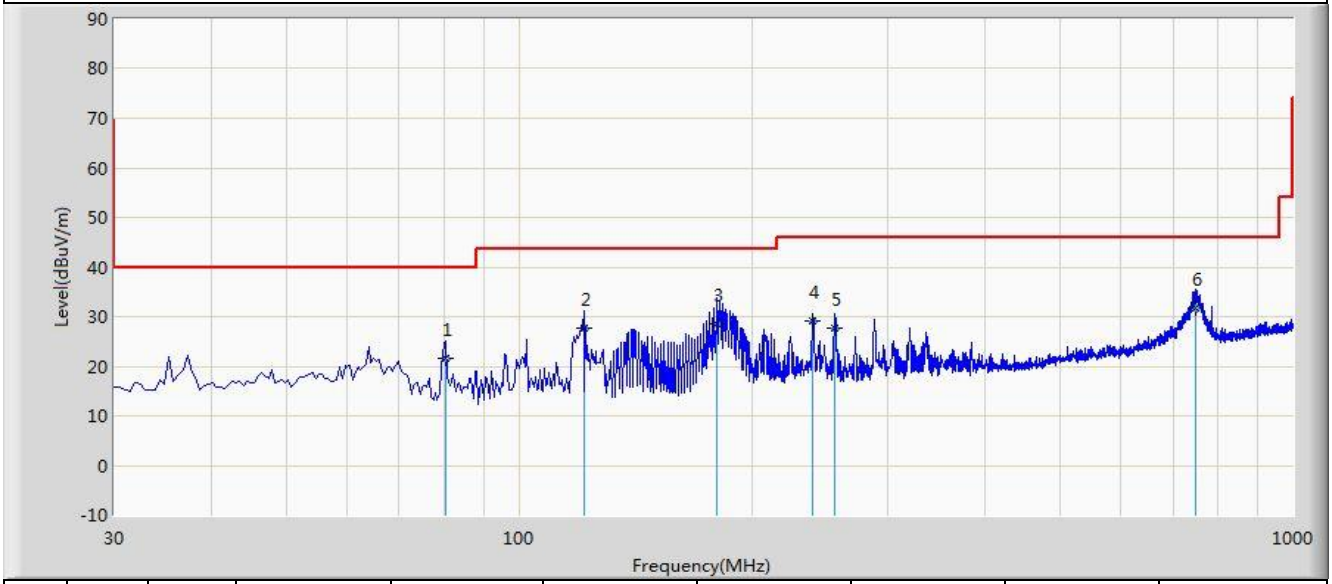
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

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

| | |
|---|---|
| Site: AC2 | Time: 2017/06/23 - 11:12 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Flag Yang |
| Probe: VULB9162_0.03-8GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| **Worst Mode:** Transmit by 802.11a at channel 5320MHz Ant 0 + 1 | |



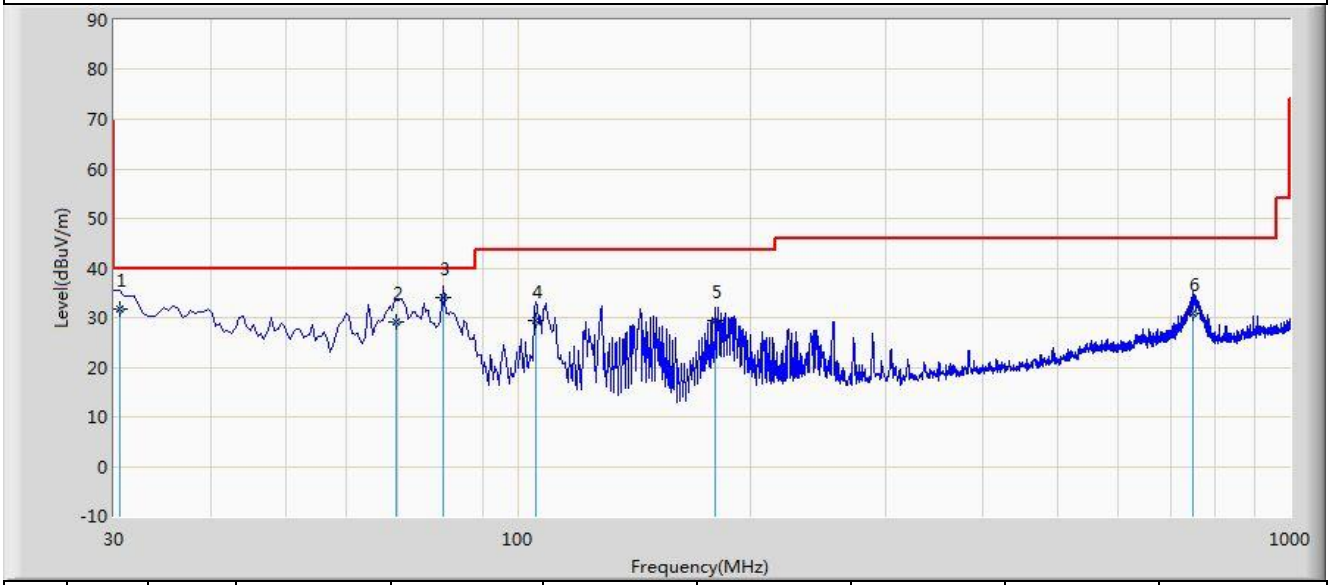

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 80.570 | 21.530 | 12.060 | -18.470 | 40.000 | 9.470 | QP |
| 2 | | | 121.240 | 27.820 | 16.720 | -15.680 | 43.500 | 11.100 | QP |
| 3 | | | 180.370 | 28.484 | 17.520 | -15.016 | 43.500 | 10.965 | QP |
| 4 | | | 240.060 | 29.152 | 15.730 | -16.848 | 46.000 | 13.421 | QP |
| 5 | | | 256.150 | 27.672 | 13.850 | -18.328 | 46.000 | 13.823 | QP |
| 6 | | * | 748.340 | 31.713 | 9.460 | -14.287 | 46.000 | 22.253 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

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

| | |
|---|---|
| Site: AC2 | Time: 2017/06/23 - 11:21 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Flag Yang |
| Probe: VULB9162_0.03-8GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| **Worst Mode:** Transmit by 802.11a at channel 5320MHz Ant 0 + 1 | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 30.520 | 31.736 | 19.580 | -8.264 | 40.000 | 12.156 | QP |
| 2 | | | 69.570 | 29.064 | 18.030 | -10.936 | 40.000 | 11.033 | QP |
| 3 | | * | 80.020 | 34.024 | 24.630 | -5.976 | 40.000 | 9.394 | QP |
| 4 | | | 105.720 | 29.433 | 16.350 | -14.067 | 43.500 | 13.083 | QP |
| 5 | | | 180.450 | 29.320 | 18.350 | -14.180 | 43.500 | 10.971 | QP |
| 6 | | | 748.320 | 30.963 | 8.710 | -15.037 | 46.000 | 22.253 | QP |

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

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

## 7.8. Radiated Restricted Band Edge Measurement

### 7.8.1. Test Limit

**For 15.205 requirement:**

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

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

**For 15.407(b) requirement:**

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not

exceed an e.i.r.p. of -27 dBm/MHz.

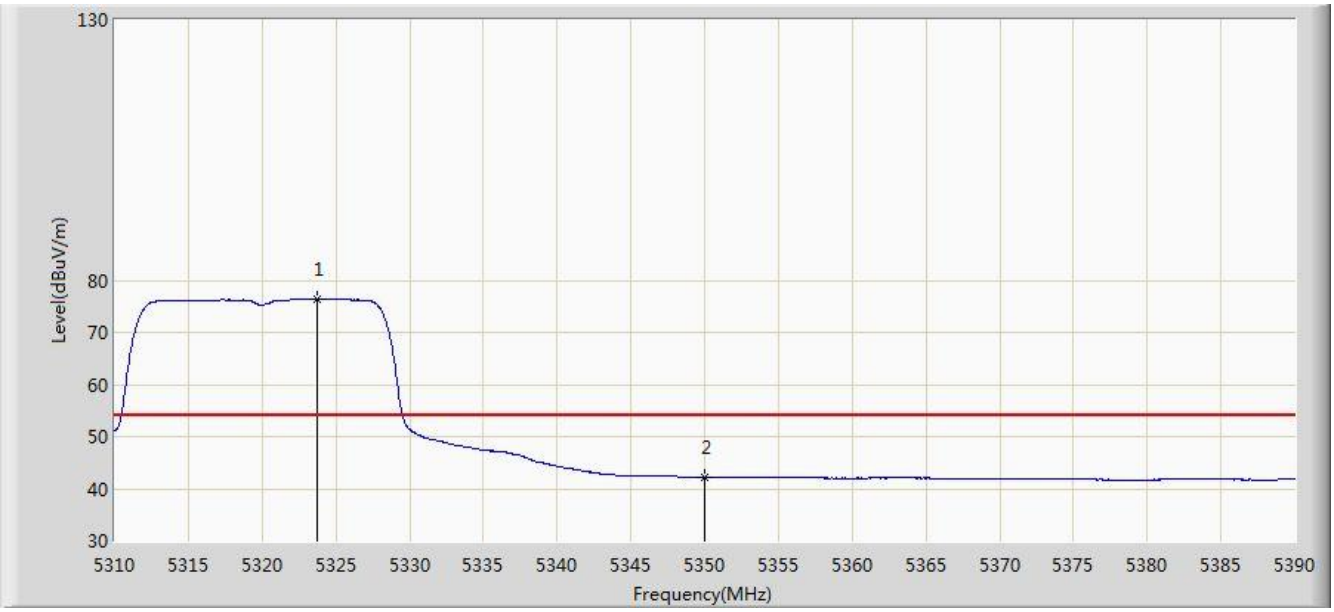
Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

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

### 7.8.2. Test Result of Radiated Restricted Band Edge

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:45 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0 | |

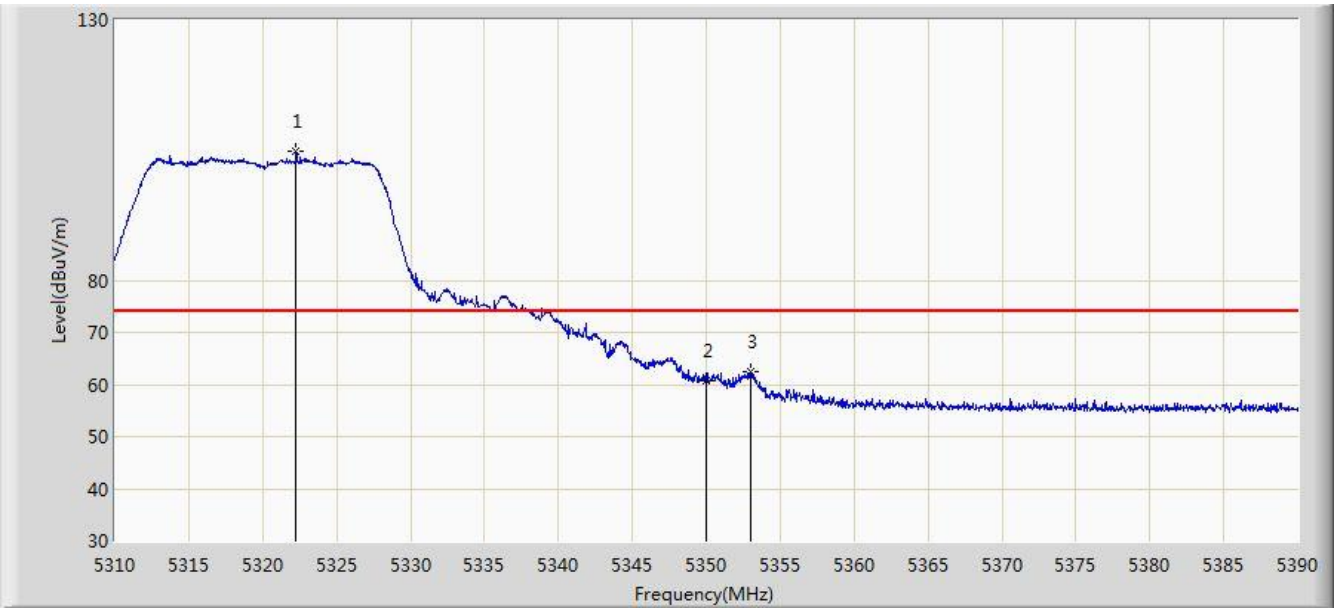



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.720 | 76.364 | 73.298 | N/A | N/A | 3.065 | AV |
| 2 | | | 5350.000 | 42.232 | 39.200 | -11.768 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:33 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0 | |

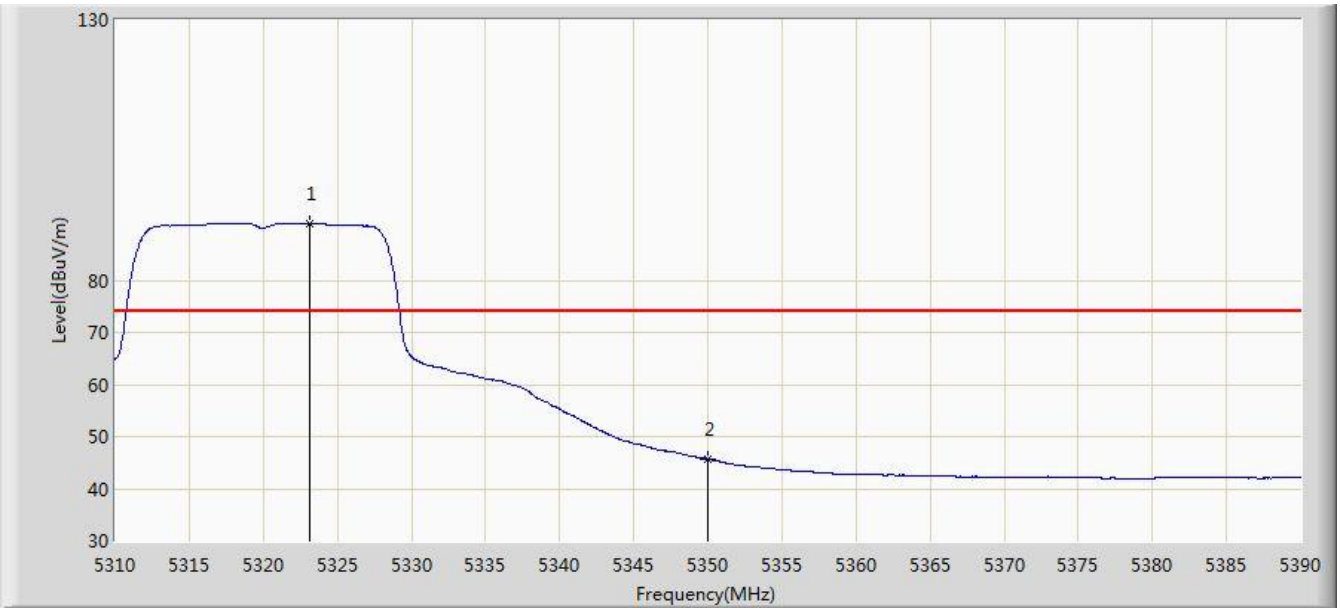



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.240 | 104.641 | 101.572 | N/A | N/A | 3.069 | PK |
| 2 | | | 5350.000 | 60.757 | 57.725 | -13.243 | 74.000 | 3.032 | PK |
| 3 | | | 5352.960 | 62.600 | 59.570 | -11.400 | 74.000 | 3.029 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:41 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5320MHz Ant 0 | |

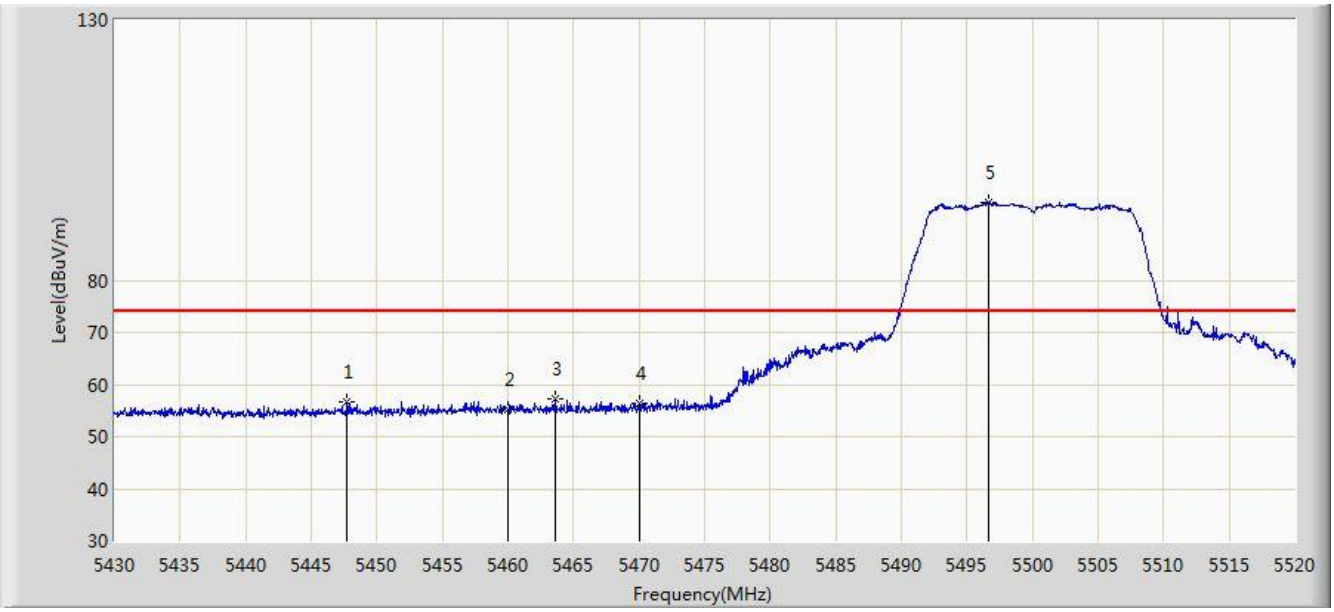



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.160 | 90.906 | 87.839 | N/A | N/A | 3.067 | PK |
| 2 | | | 5350.000 | 45.641 | 42.609 | -28.359 | 74.000 | 3.032 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:52 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0 | |

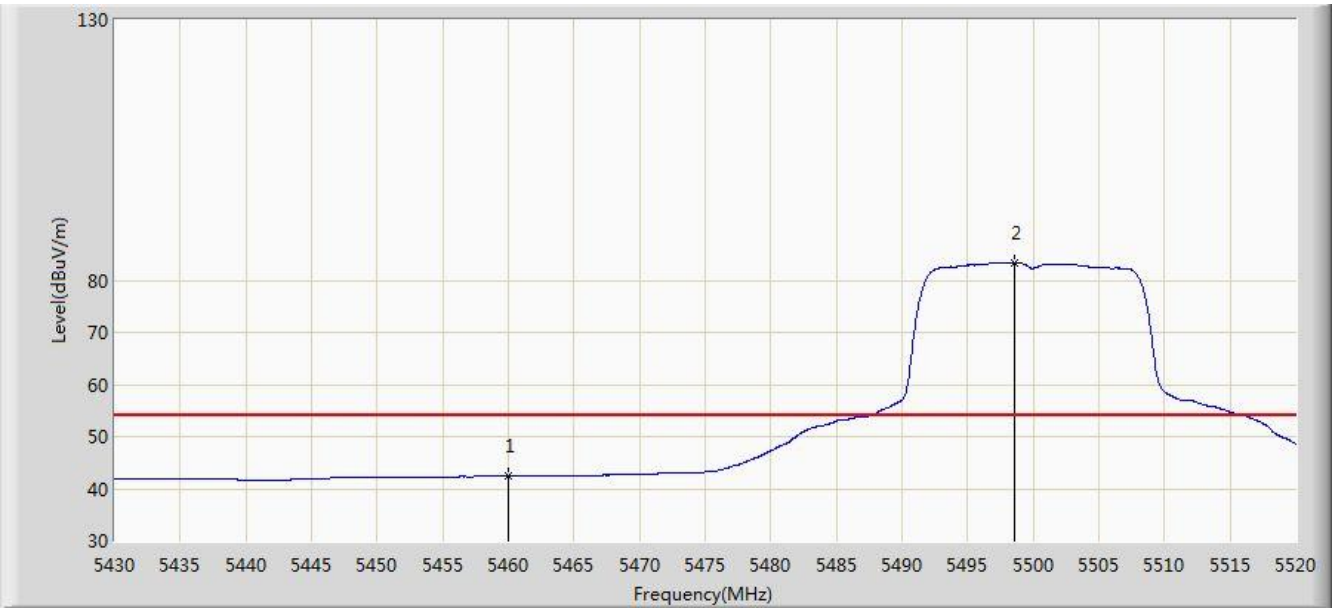



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5447.730 | 56.703 | 53.285 | -17.297 | 74.000 | 3.417 | PK |
| 2 | | | 5460.000 | 55.189 | 51.707 | -18.811 | 74.000 | 3.482 | PK |
| 3 | | | 5463.660 | 57.179 | 53.676 | -16.821 | 74.000 | 3.503 | PK |
| 4 | | | 5470.000 | 56.360 | 52.821 | -17.640 | 74.000 | 3.539 | PK |
| 5 | | * | 5496.645 | 95.071 | 91.541 | N/A | N/A | 3.530 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:54 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0 | |

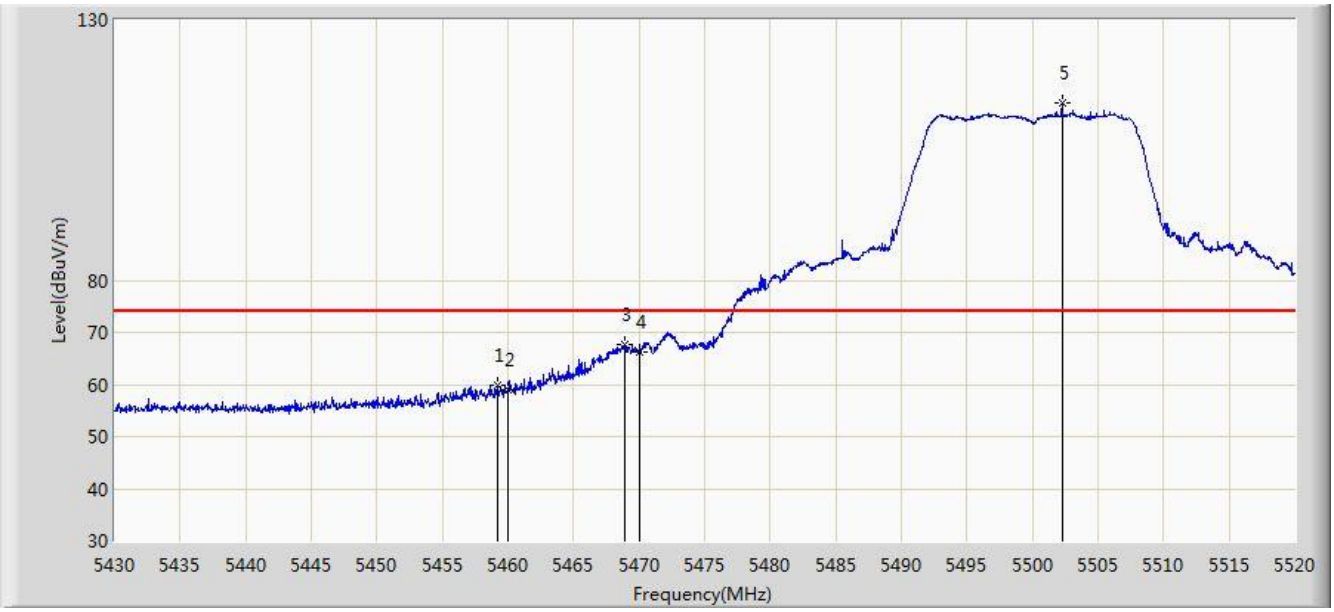



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 42.428 | 38.946 | -11.572 | 54.000 | 3.482 | AV |
| 2 | | * | 5498.625 | 83.318 | 79.790 | N/A | N/A | 3.528 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:49 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0 | |

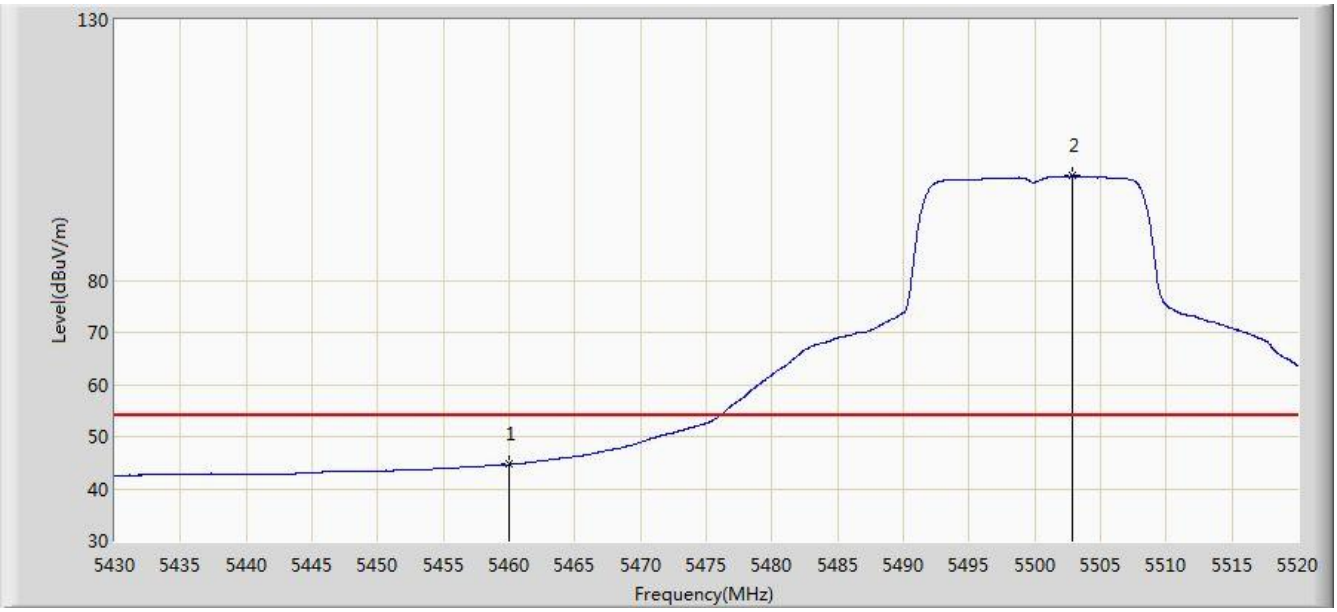



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.205 | 59.757 | 56.280 | -14.243 | 74.000 | 3.477 | PK |
| 2 | | | 5460.000 | 59.006 | 55.524 | -14.994 | 74.000 | 3.482 | PK |
| 3 | | | 5468.925 | 67.609 | 64.076 | -6.391 | 74.000 | 3.533 | PK |
| 4 | | | 5470.000 | 66.273 | 62.734 | -7.727 | 74.000 | 3.539 | PK |
| 5 | | * | 5502.270 | 113.929 | 110.405 | N/A | N/A | 3.524 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:52 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5500MHz Ant 0 | |

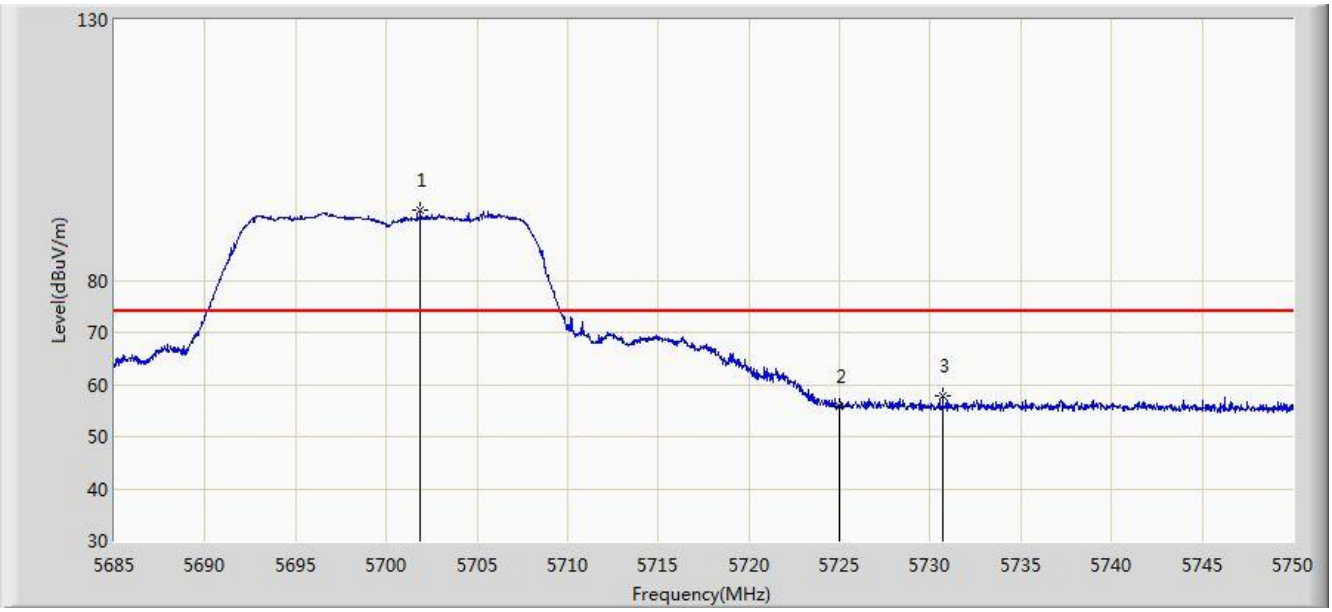



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 44.651 | 41.169 | -9.349 | 54.000 | 3.482 | AV |
| 2 | | * | 5502.810 | 100.038 | 96.515 | N/A | N/A | 3.524 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:58 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0 | |

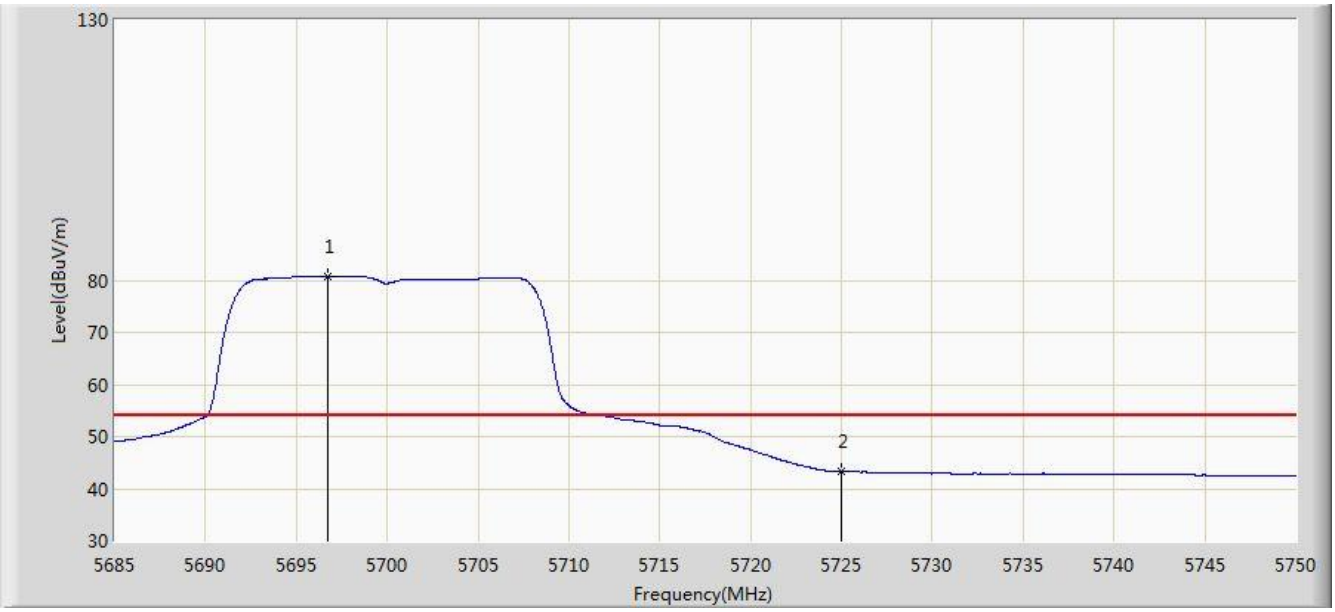



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.900 | 93.357 | 89.635 | N/A | N/A | 3.722 | PK |
| 2 | | | 5725.000 | 55.904 | 52.113 | -18.096 | 74.000 | 3.791 | PK |
| 3 | | | 5730.695 | 57.714 | 53.906 | -16.286 | 74.000 | 3.808 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:00 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0 | |

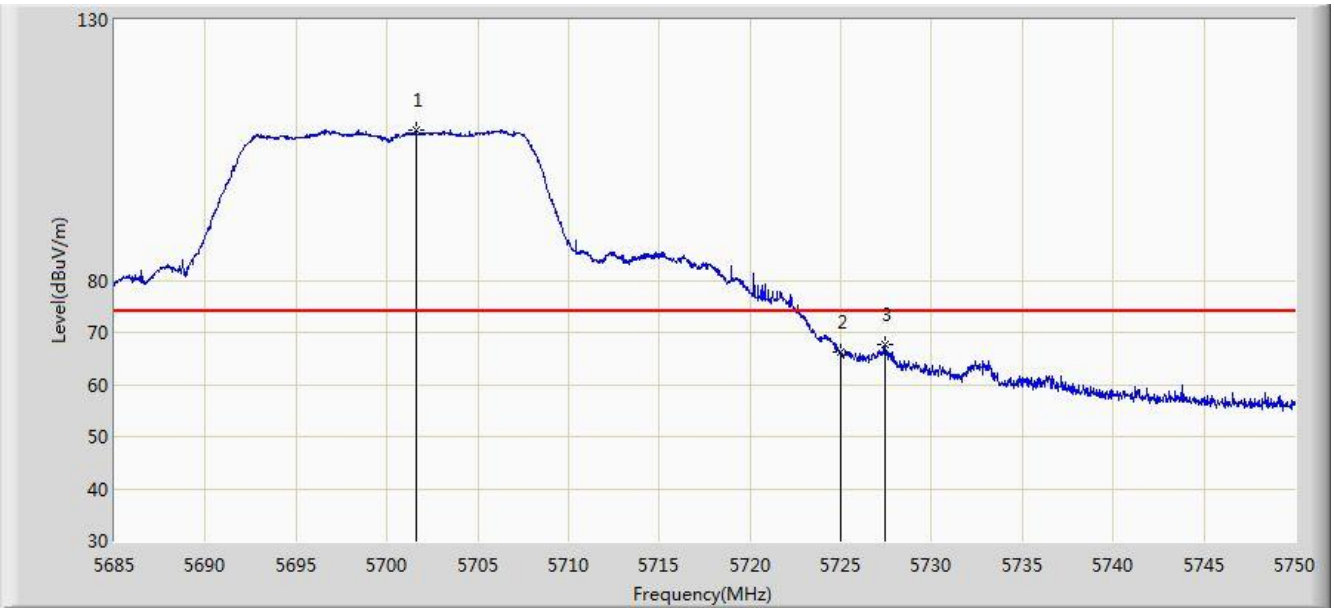



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5696.700 | 80.820 | 77.106 | N/A | N/A | 3.714 | AV |
| 2 | | | 5725.000 | 43.228 | 39.437 | -10.772 | 54.000 | 3.791 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0 | |

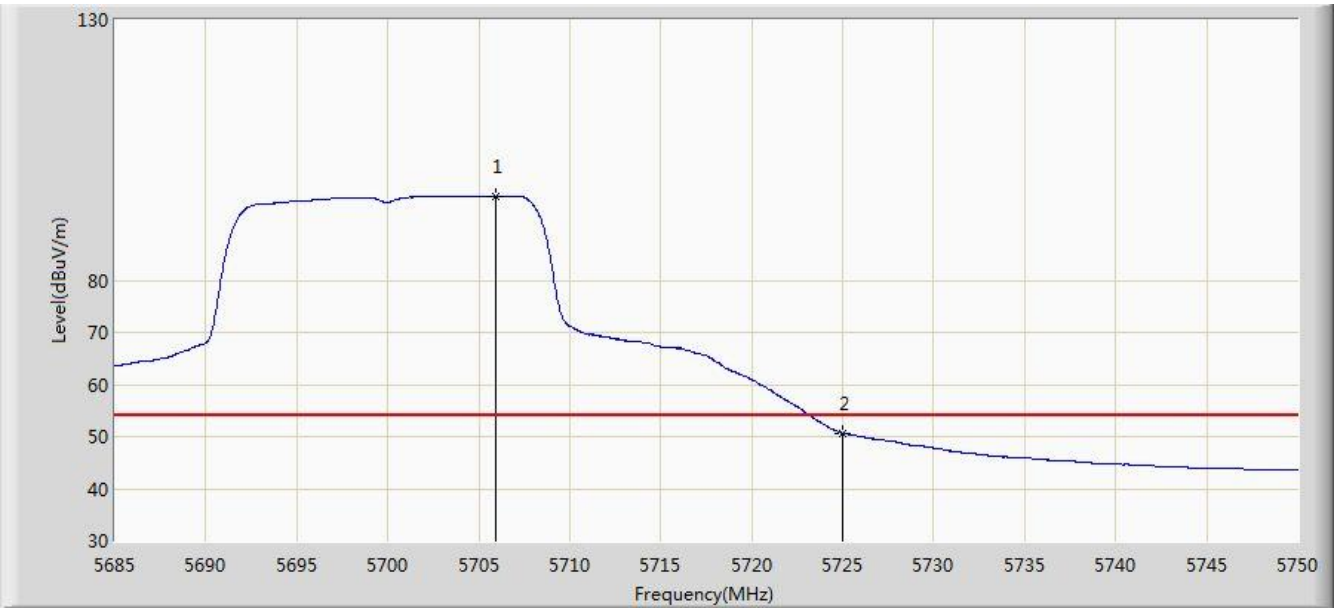



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.607 | 108.728 | 105.007 | N/A | N/A | 3.721 | PK |
| 2 | | | 5725.000 | 66.118 | 62.327 | -7.882 | 74.000 | 3.791 | PK |
| 3 | | | 5727.478 | 67.578 | 63.780 | -6.422 | 74.000 | 3.798 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 22:57 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11a at channel 5700MHz Ant 0 | |

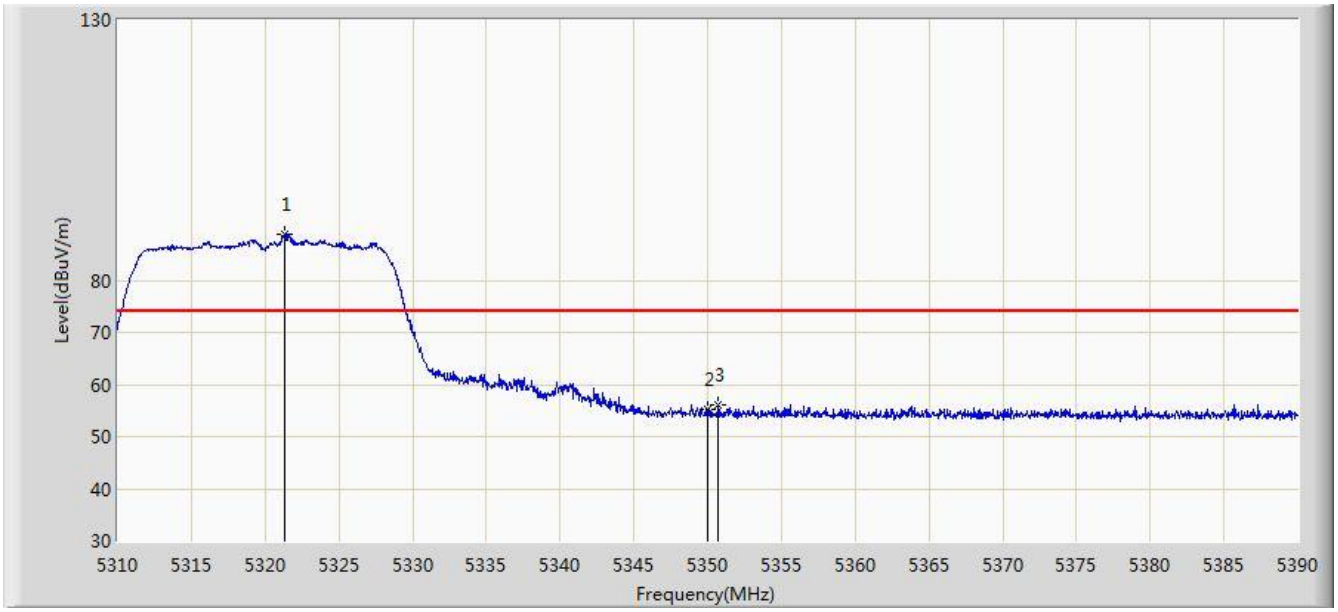



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5705.897 | 96.037 | 92.304 | N/A | N/A | 3.733 | AV |
| 2 | | | 5725.000 | 50.586 | 46.795 | -3.414 | 54.000 | 3.791 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:04 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0 | |

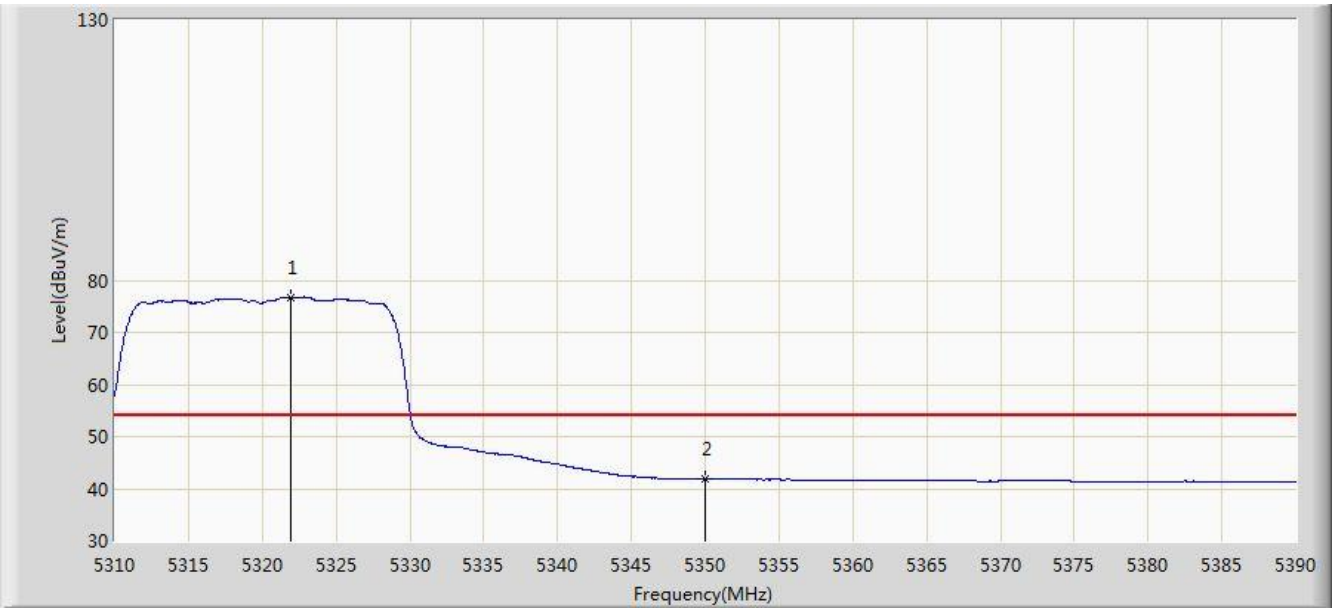



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.320 | 88.923 | 85.853 | N/A | N/A | 3.071 | PK |
| 2 | | | 5350.000 | 55.094 | 52.062 | -18.906 | 74.000 | 3.032 | PK |
| 3 | | | 5350.720 | 56.189 | 53.157 | -17.811 | 74.000 | 3.031 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:06 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0 | |

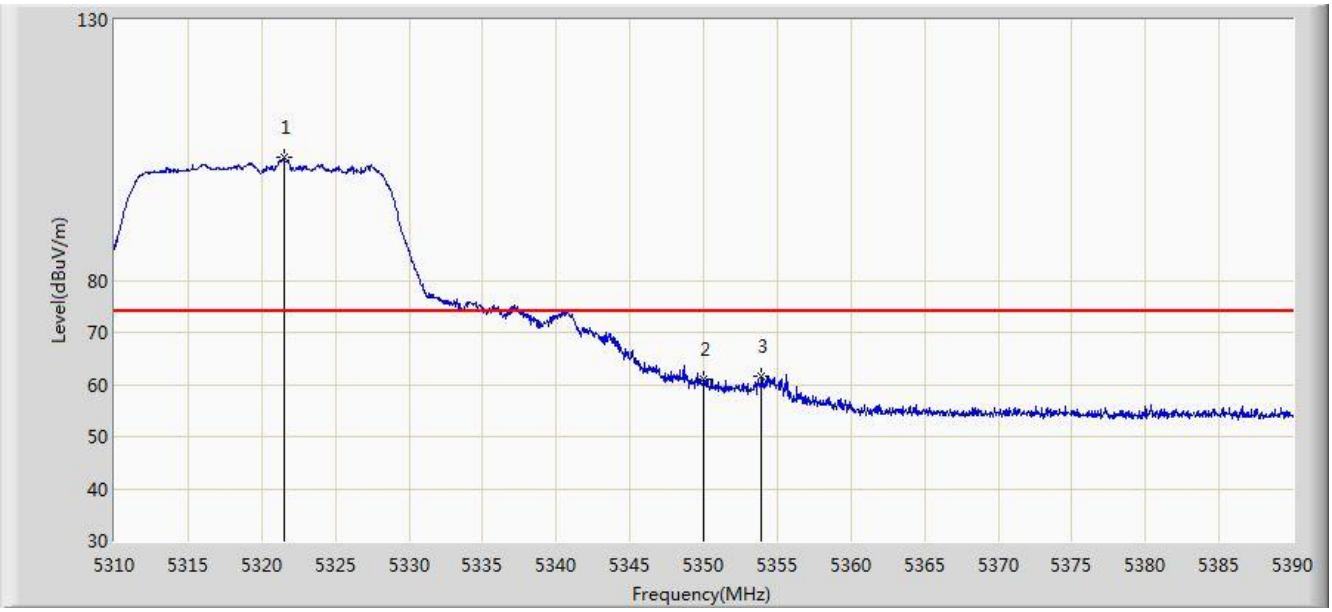



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.880 | 76.788 | 73.719 | N/A | N/A | 3.069 | AV |
| 2 | | | 5350.000 | 41.833 | 38.801 | -12.167 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:01 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0 | |

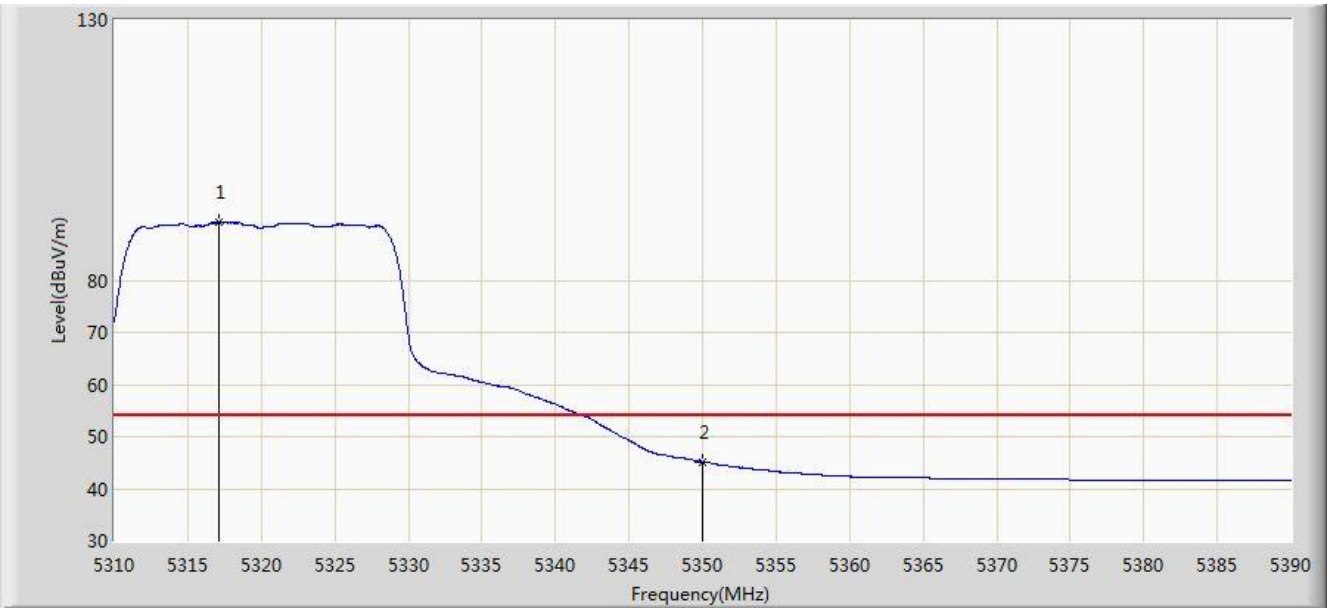



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.480 | 103.495 | 100.425 | N/A | N/A | 3.070 | PK |
| 2 | | | 5350.000 | 60.874 | 57.842 | -13.126 | 74.000 | 3.032 | PK |
| 3 | | | 5353.920 | 61.470 | 58.442 | -12.530 | 74.000 | 3.029 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:03 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5320MHz Ant 0 | |

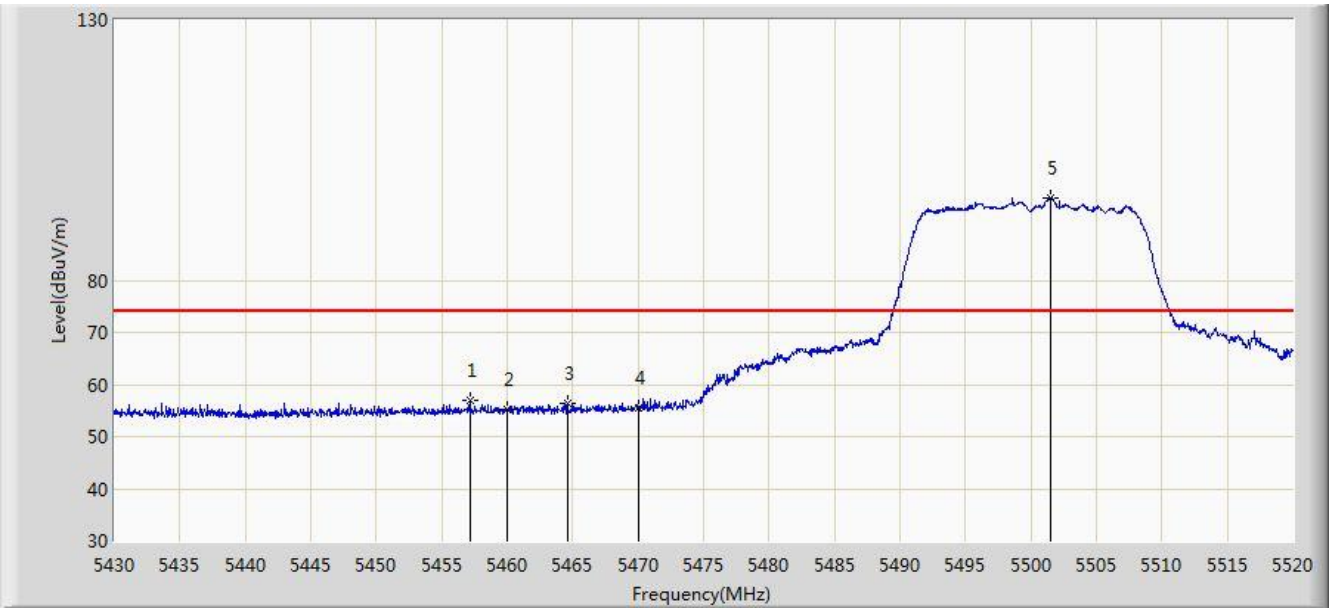



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5317.160 | 91.058 | 87.979 | N/A | N/A | 3.079 | AV |
| 2 | | | 5350.000 | 45.088 | 42.056 | -8.912 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:10 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0 | |

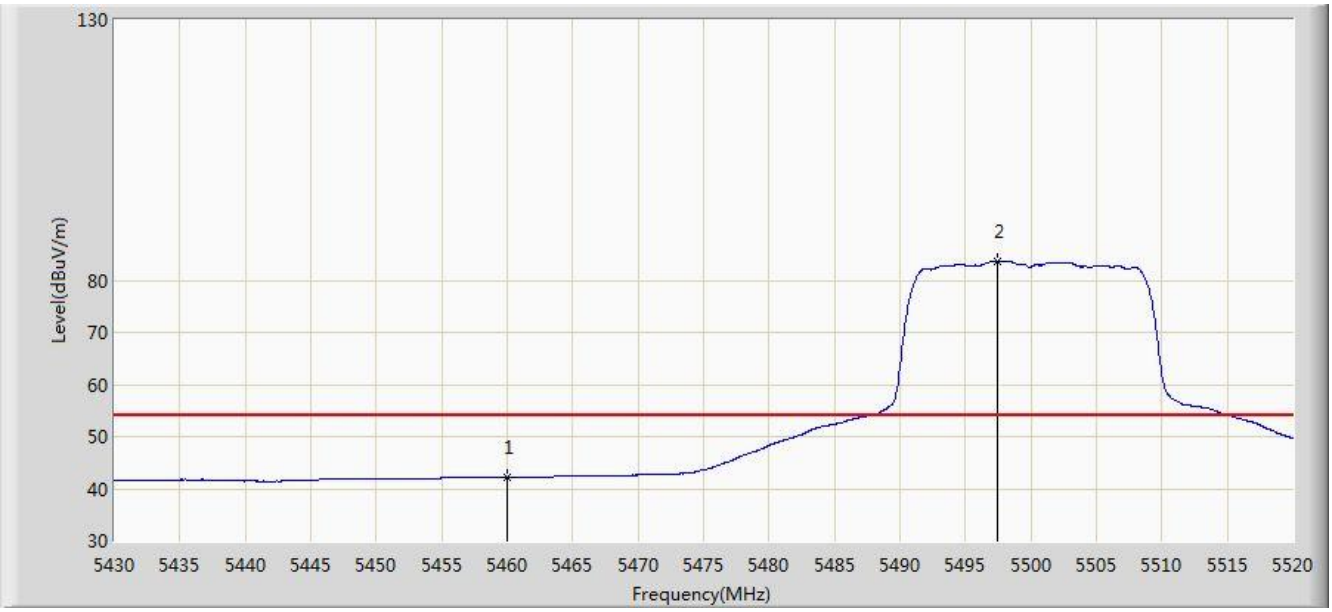



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5457.135 | 56.882 | 53.417 | -17.118 | 74.000 | 3.465 | PK |
| 2 | | | 5460.000 | 55.156 | 51.674 | -18.844 | 74.000 | 3.482 | PK |
| 3 | | | 5464.605 | 56.436 | 52.928 | -17.564 | 74.000 | 3.509 | PK |
| 4 | | | 5470.000 | 55.445 | 51.906 | -18.555 | 74.000 | 3.539 | PK |
| 5 | | * | 5501.460 | 95.810 | 92.285 | N/A | N/A | 3.525 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:13 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0 | |

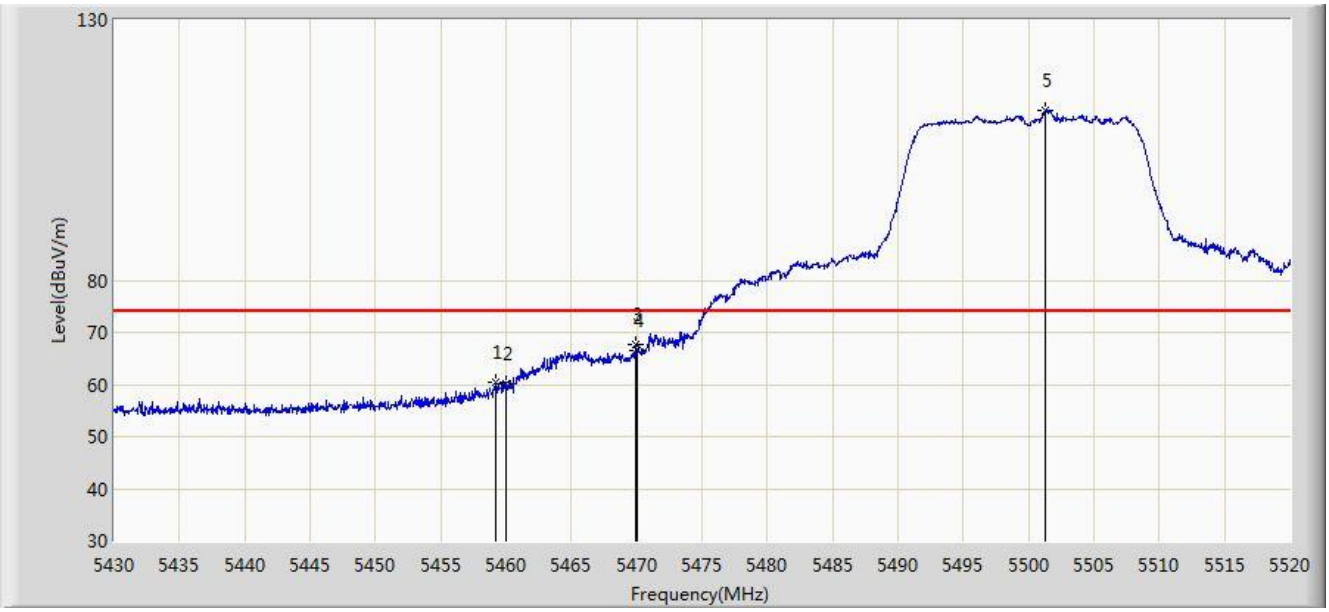



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 42.192 | 38.710 | -11.808 | 54.000 | 3.482 | AV |
| 2 | | * | 5497.410 | 83.643 | 80.114 | N/A | N/A | 3.530 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:07 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0 | |

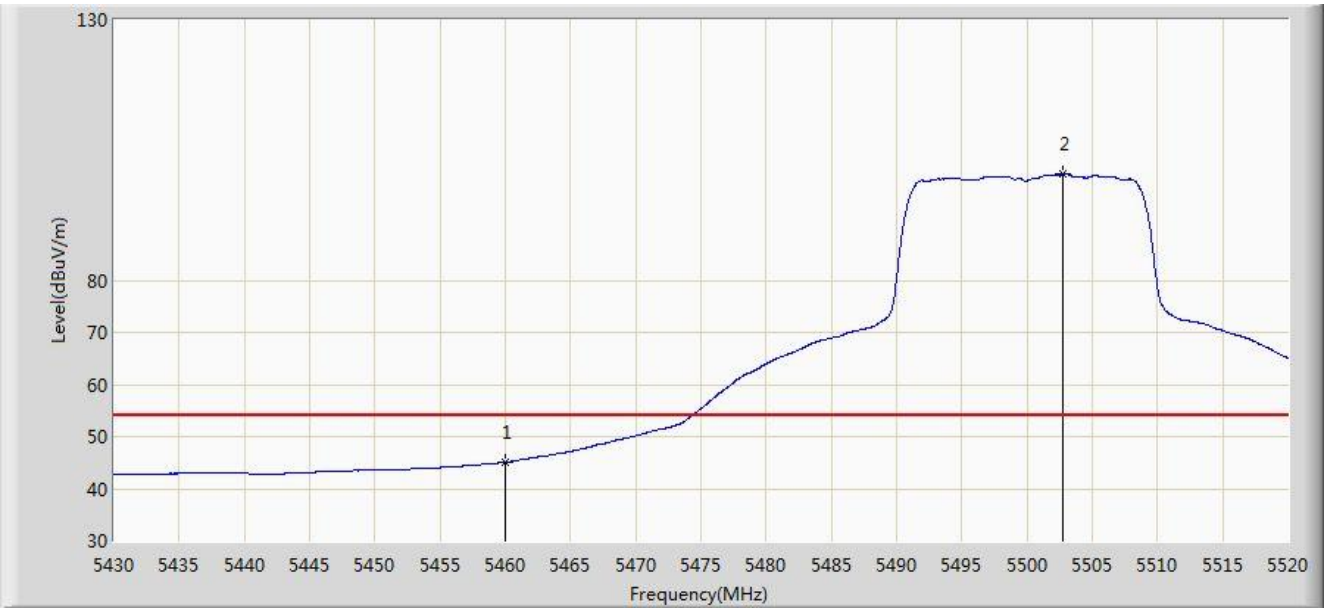



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.250 | 60.542 | 57.065 | -13.458 | 74.000 | 3.477 | PK |
| 2 | | | 5460.000 | 60.038 | 56.556 | -13.962 | 74.000 | 3.482 | PK |
| 3 | | | 5469.960 | 67.545 | 64.006 | -6.455 | 74.000 | 3.539 | PK |
| 4 | | | 5470.000 | 66.382 | 62.843 | -7.618 | 74.000 | 3.539 | PK |
| 5 | | * | 5501.235 | 112.551 | 109.026 | N/A | N/A | 3.525 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:09 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5500MHz Ant 0 | |

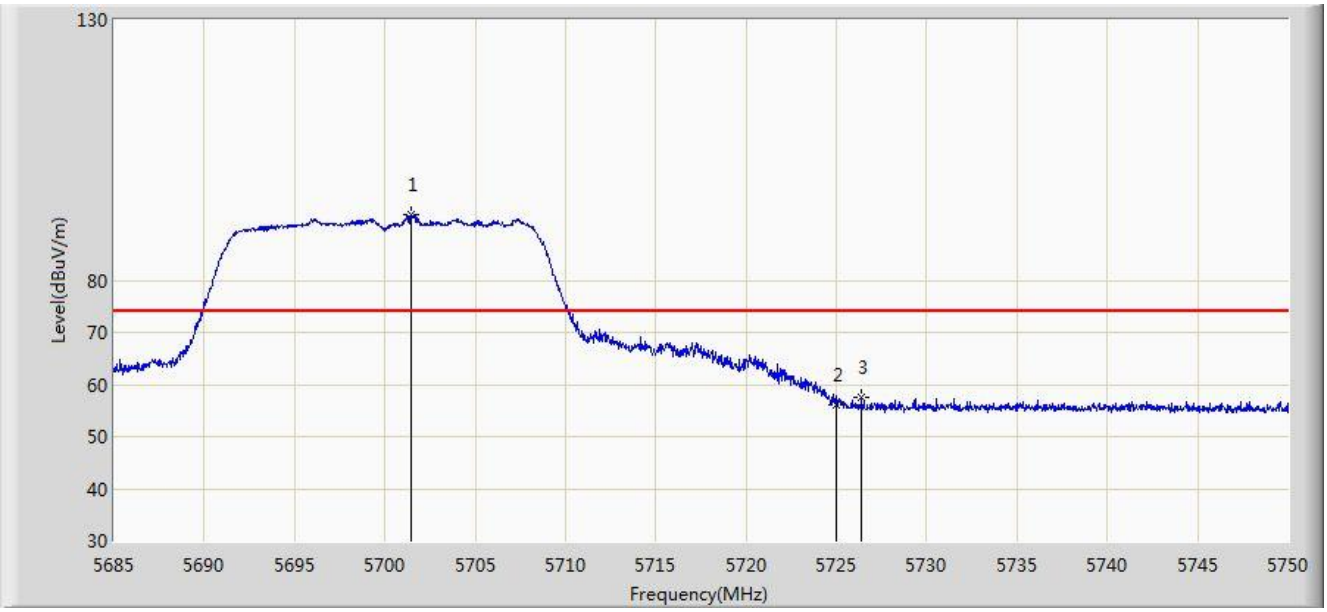



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 45.091 | 41.609 | -8.909 | 54.000 | 3.482 | AV |
| 2 | | * | 5502.720 | 100.353 | 96.830 | N/A | N/A | 3.523 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:17 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0 | |

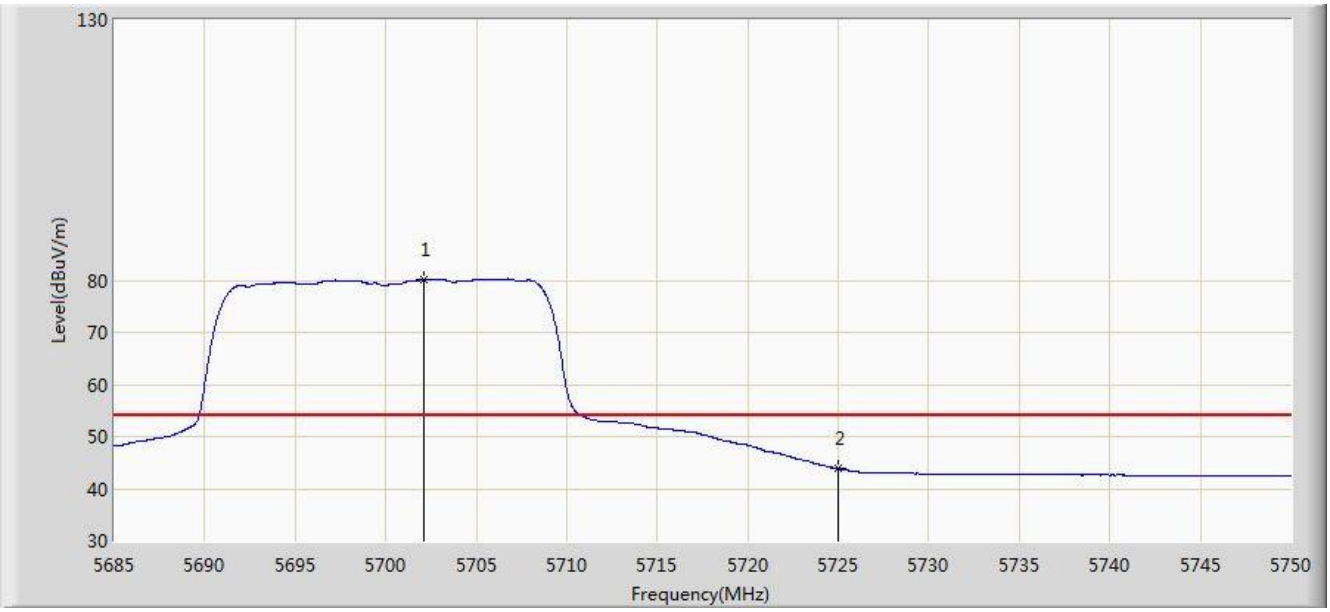



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.445 | 92.740 | 89.019 | N/A | N/A | 3.721 | PK |
| 2 | | | 5725.000 | 56.164 | 52.373 | -17.836 | 74.000 | 3.791 | PK |
| 3 | | | 5726.373 | 57.638 | 53.843 | -16.362 | 74.000 | 3.795 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:19 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0 | |

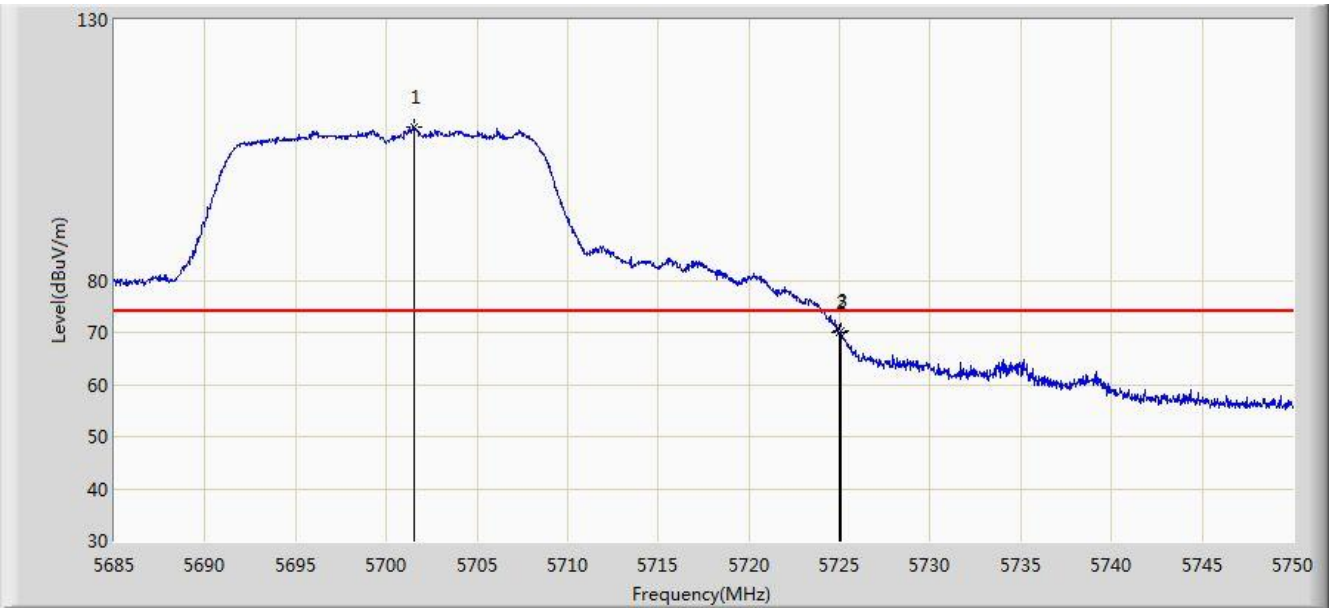



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.127 | 80.060 | 76.338 | N/A | N/A | 3.722 | AV |
| 2 | | | 5725.000 | 43.878 | 40.087 | -10.122 | 54.000 | 3.791 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:14 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0 | |

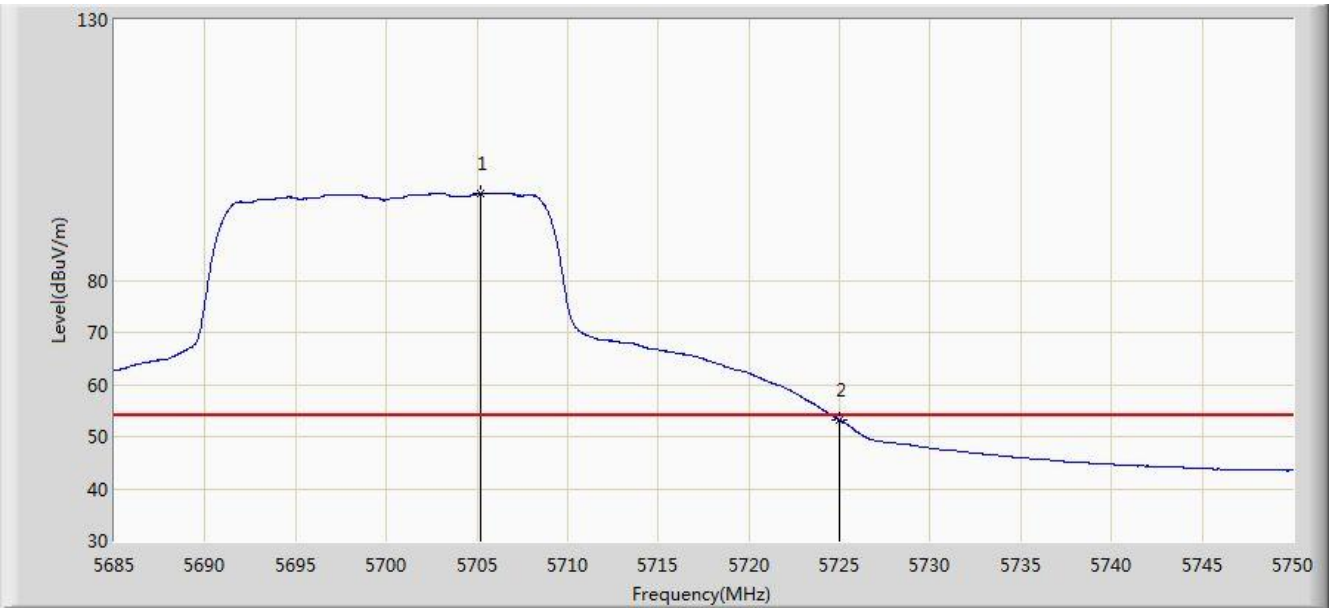



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.542 | 109.390 | 105.669 | N/A | N/A | 3.720 | PK |
| 2 | | | 5725.000 | 69.859 | 66.068 | -4.141 | 74.000 | 3.791 | PK |
| 3 | | | 5725.072 | 70.145 | 66.354 | -3.855 | 74.000 | 3.791 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:16 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT20 at channel 5700MHz Ant 0 | |

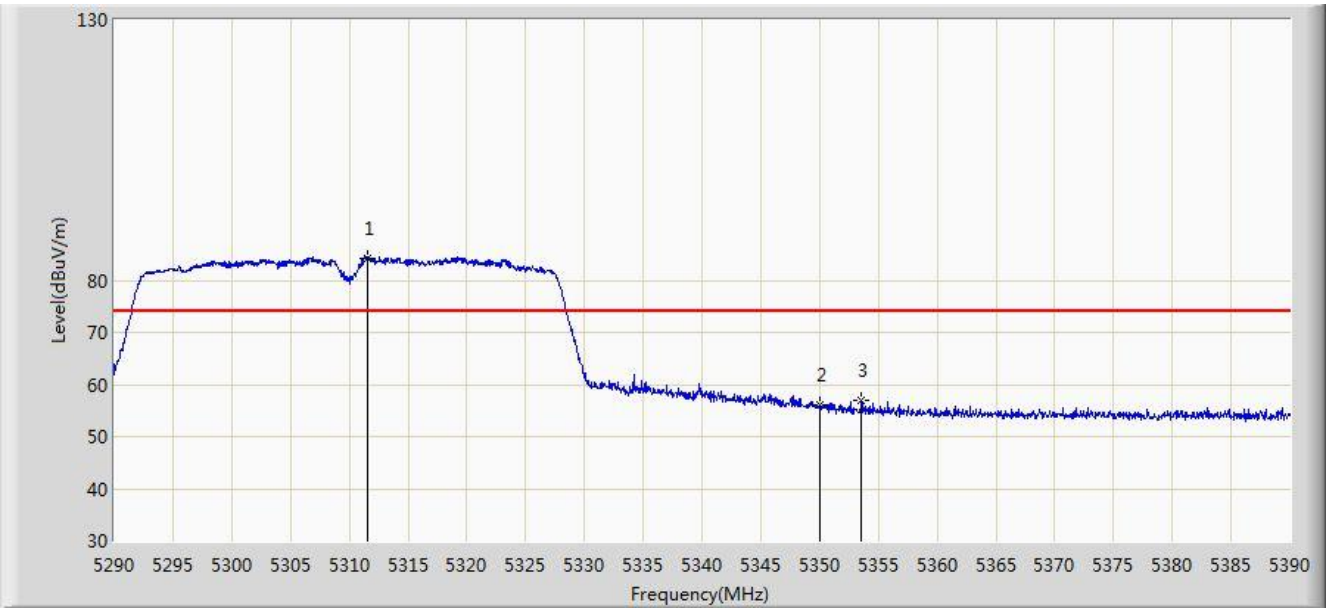



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5705.183 | 96.666 | 92.935 | N/A | N/A | 3.731 | AV |
| 2 | | | 5725.000 | 53.178 | 49.387 | -0.822 | 54.000 | 3.791 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:24 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0 | |

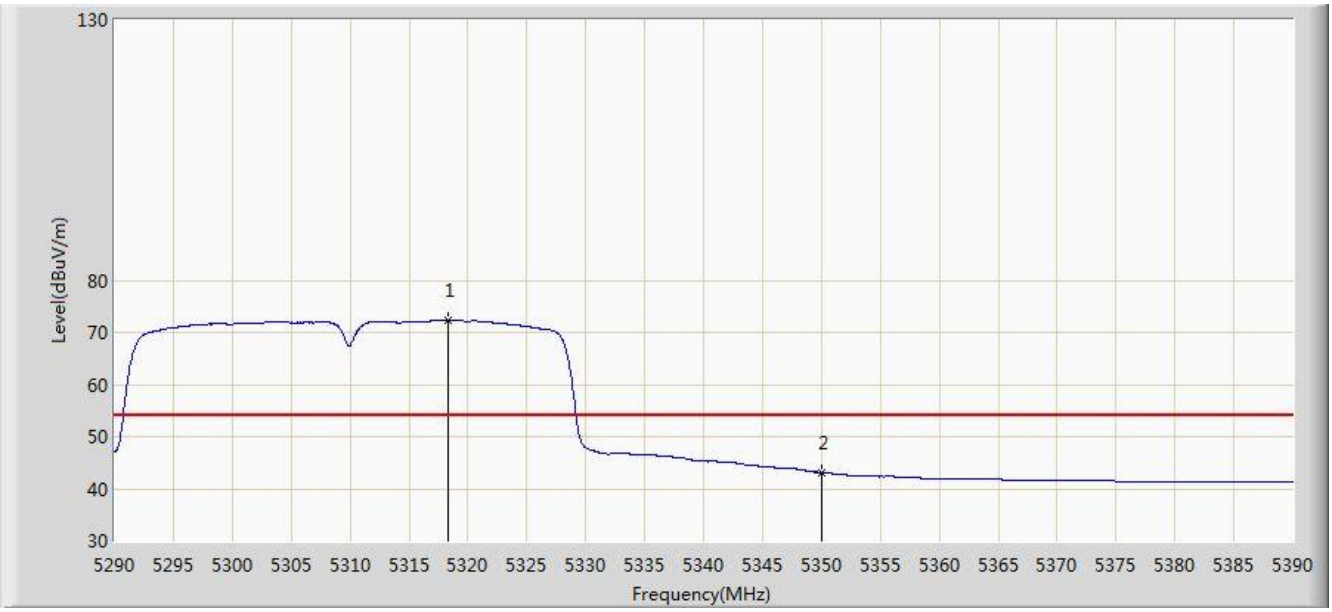



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5311.600 | 84.255 | 81.164 | N/A | N/A | 3.091 | PK |
| 2 | | | 5350.000 | 56.143 | 53.111 | -17.857 | 74.000 | 3.032 | PK |
| 3 | | | 5353.550 | 56.882 | 53.853 | -17.118 | 74.000 | 3.028 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:26 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0 | |

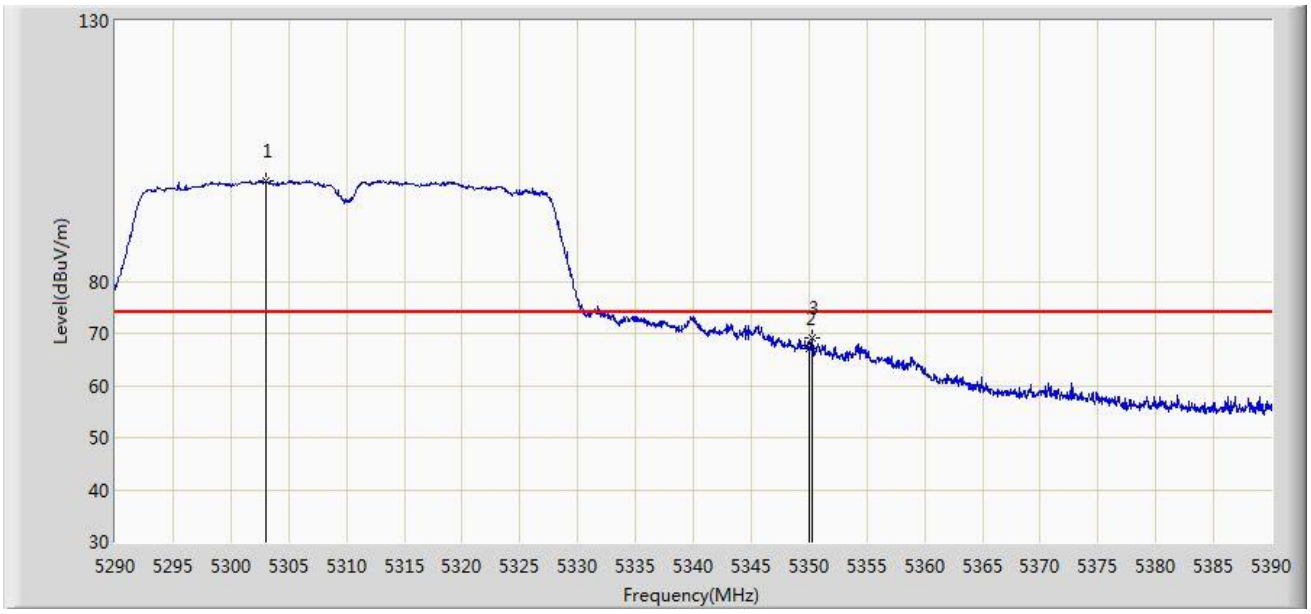



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5318.350 | 72.226 | 69.150 | N/A | N/A | 3.077 | AV |
| 2 | | | 5350.000 | 43.097 | 40.065 | -10.903 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:21 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0 | |

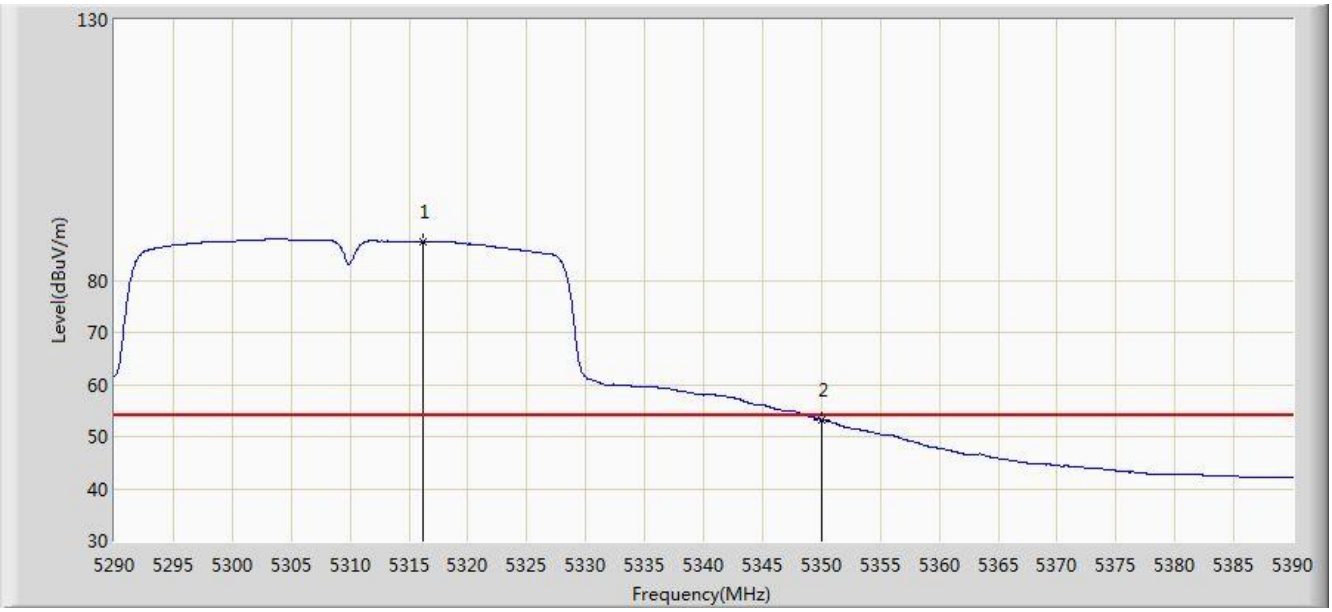



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5303.050 | 99.196 | 96.082 | N/A | N/A | 3.114 | PK |
| 2 | | | 5350.000 | 67.015 | 63.983 | -6.985 | 74.000 | 3.032 | PK |
| 3 | | | 5350.300 | 69.008 | 65.976 | -4.992 | 74.000 | 3.033 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:23 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5310MHz Ant 0 | |

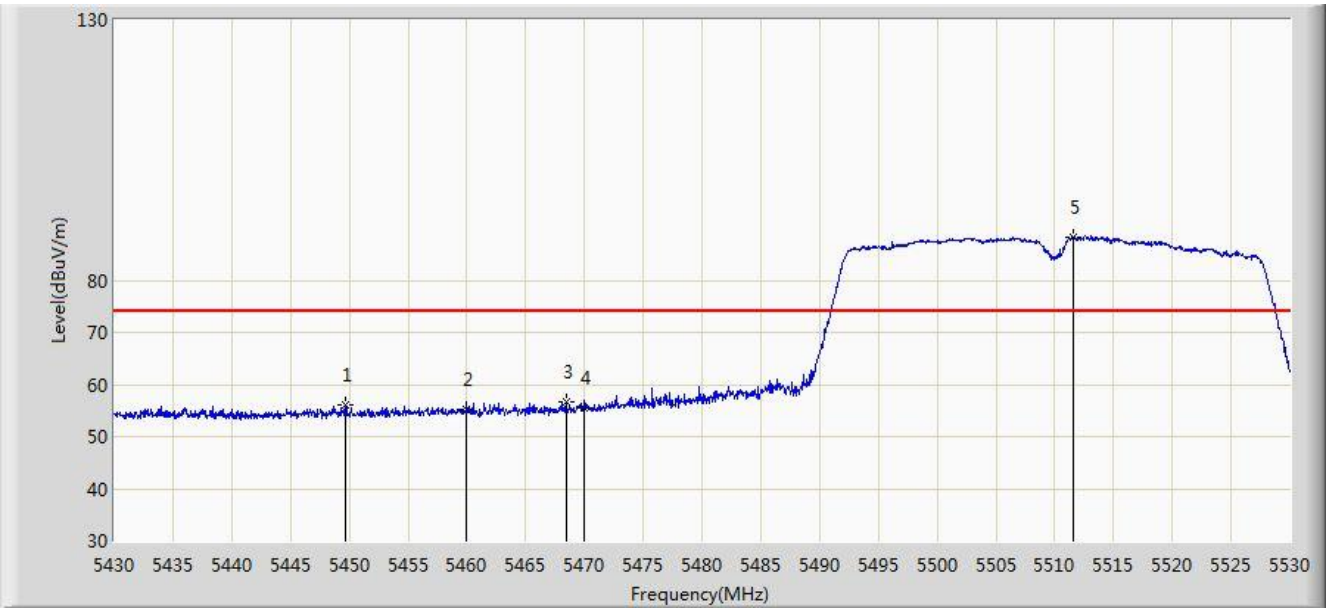



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5316.250 | 87.432 | 84.351 | N/A | N/A | 3.081 | AV |
| 2 | | | 5350.000 | 53.284 | 50.252 | -0.716 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:44 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0 | |

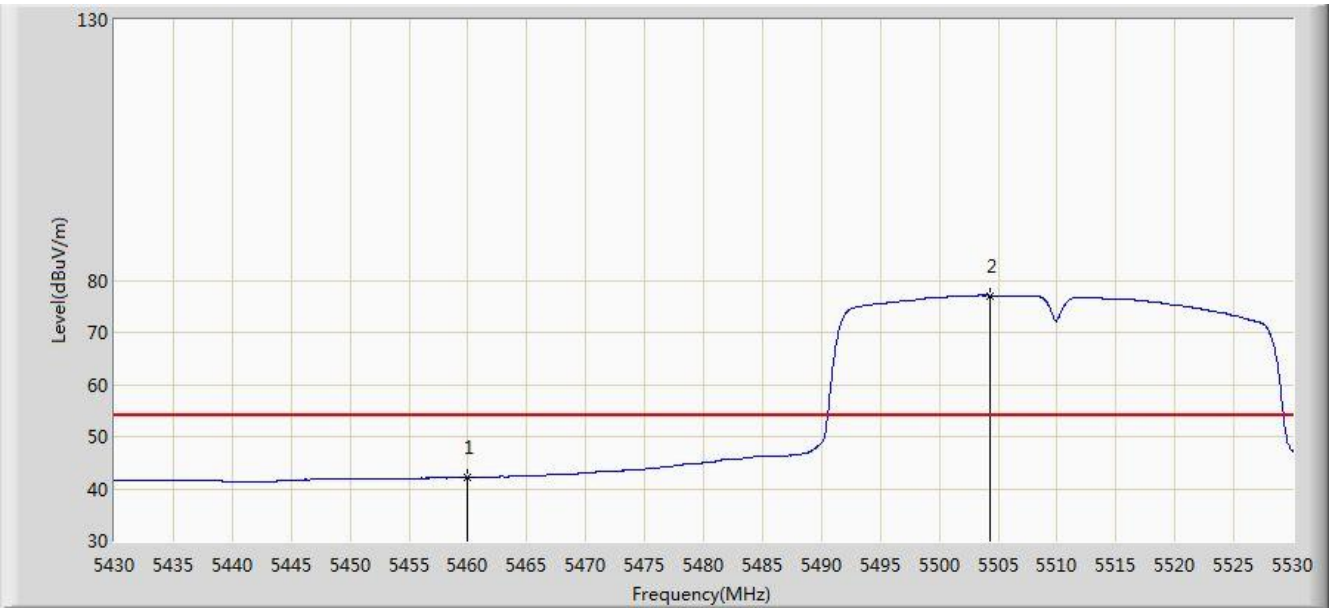



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5449.650 | 55.967 | 52.541 | -18.033 | 74.000 | 3.426 | PK |
| 2 | | | 5460.000 | 55.284 | 51.802 | -18.716 | 74.000 | 3.482 | PK |
| 3 | | | 5468.450 | 56.583 | 53.053 | -17.417 | 74.000 | 3.531 | PK |
| 4 | | | 5470.000 | 55.476 | 51.937 | -18.524 | 74.000 | 3.539 | PK |
| 5 | | * | 5511.600 | 88.272 | 84.758 | N/A | N/A | 3.514 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:46 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0 | |

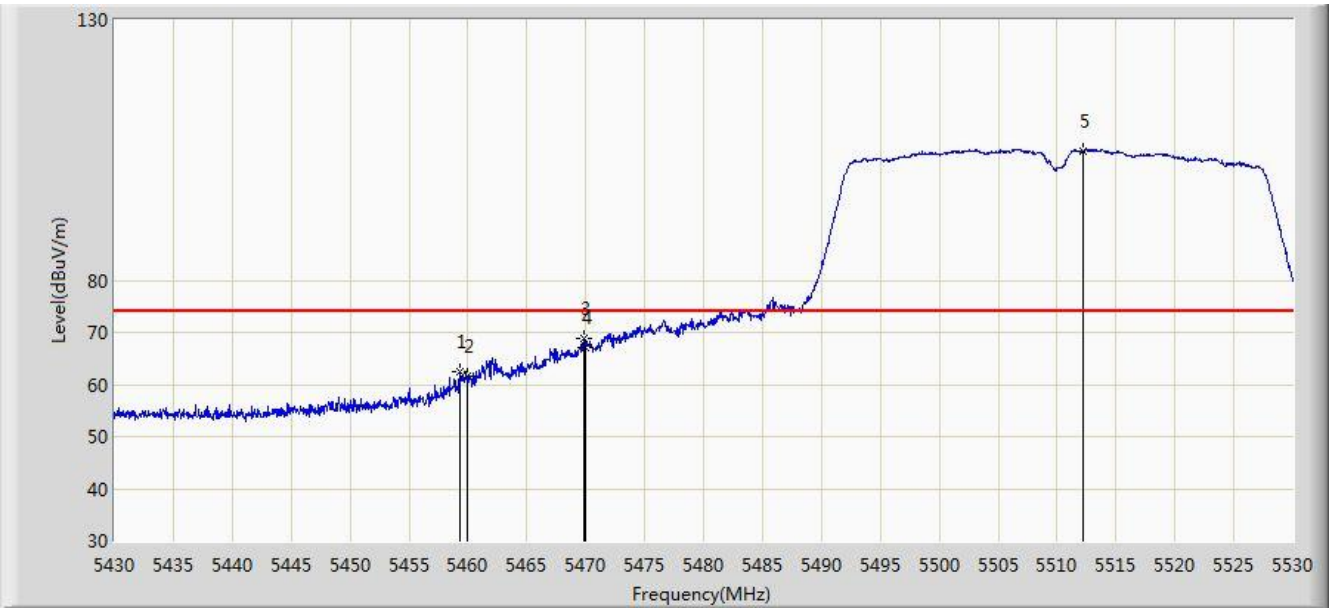



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 42.147 | 38.665 | -11.853 | 54.000 | 3.482 | AV |
| 2 | | * | 5504.300 | 77.097 | 73.575 | N/A | N/A | 3.522 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:42 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0 | |

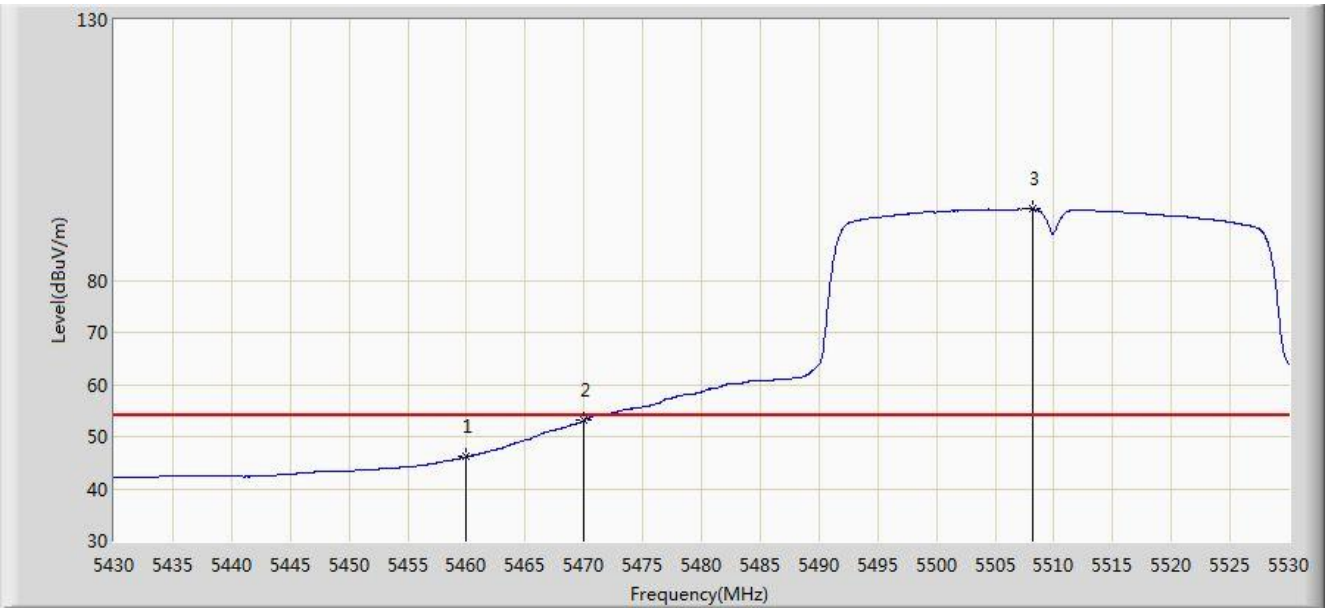



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.350 | 62.597 | 59.119 | -11.403 | 74.000 | 3.477 | PK |
| 2 | | | 5460.000 | 61.587 | 58.105 | -12.413 | 74.000 | 3.482 | PK |
| 3 | | | 5469.900 | 68.778 | 65.239 | -5.222 | 74.000 | 3.539 | PK |
| 4 | | | 5470.000 | 67.137 | 63.598 | -6.863 | 74.000 | 3.539 | PK |
| 5 | | * | 5512.200 | 104.830 | 101.317 | N/A | N/A | 3.513 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:43 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5510MHz Ant 0 | |

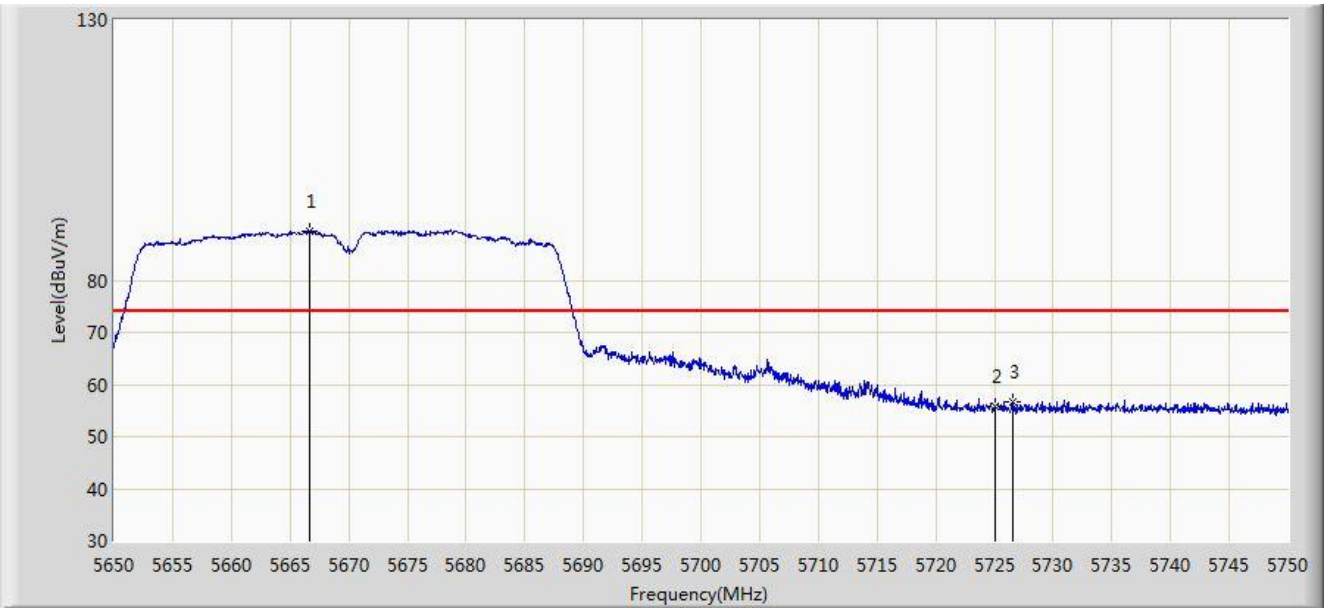



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 46.099 | 42.617 | -7.901 | 54.000 | 3.482 | AV |
| 2 | | | 5470.000 | 53.082 | 49.543 | -0.918 | 54.000 | 3.539 | AV |
| 3 | | * | 5508.150 | 93.676 | 90.159 | N/A | N/A | 3.517 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:56 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0 | |

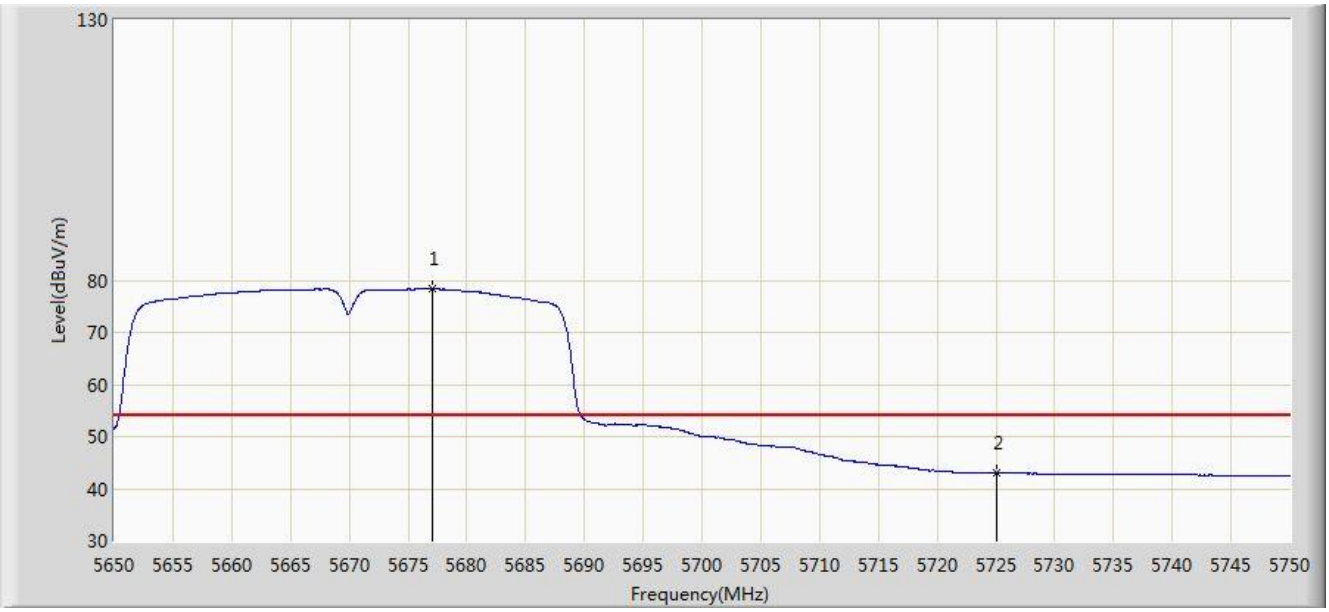



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5666.650 | 89.470 | 85.814 | N/A | N/A | 3.656 | PK |
| 2 | | | 5725.000 | 55.693 | 51.902 | -18.307 | 74.000 | 3.791 | PK |
| 3 | | | 5726.600 | 56.799 | 53.003 | -17.201 | 74.000 | 3.795 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:57 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0 | |

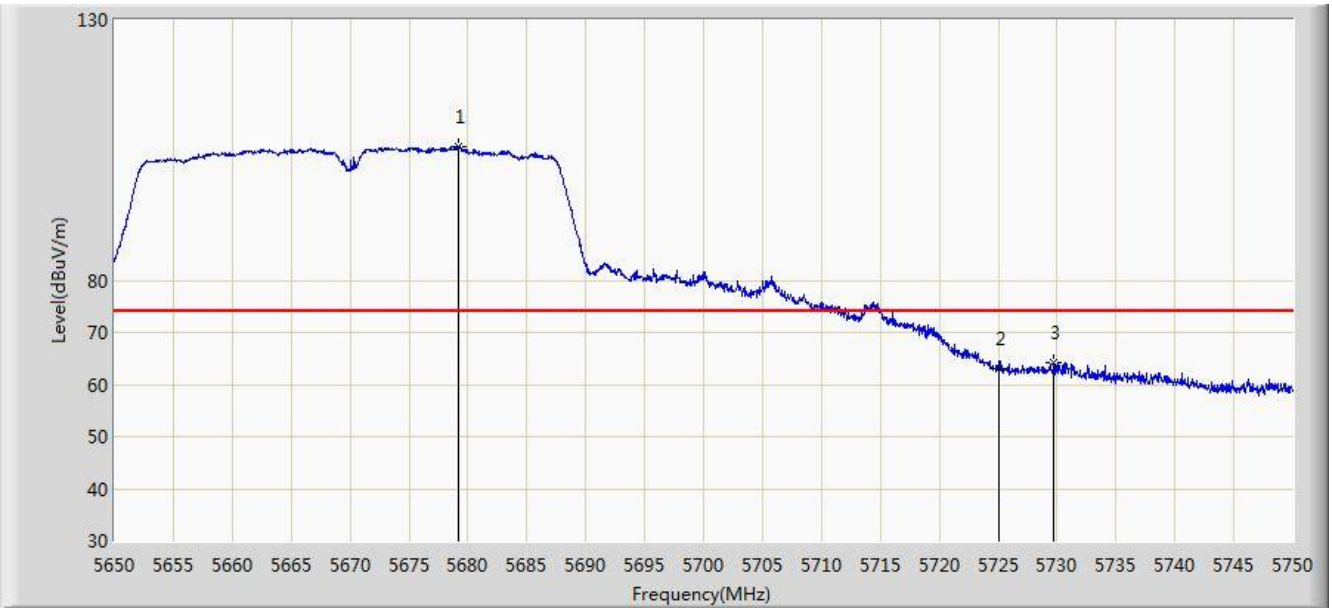



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5677.100 | 78.327 | 74.654 | N/A | N/A | 3.673 | AV |
| 2 | | | 5725.000 | 42.957 | 39.166 | -11.043 | 54.000 | 3.791 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:54 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0 | |

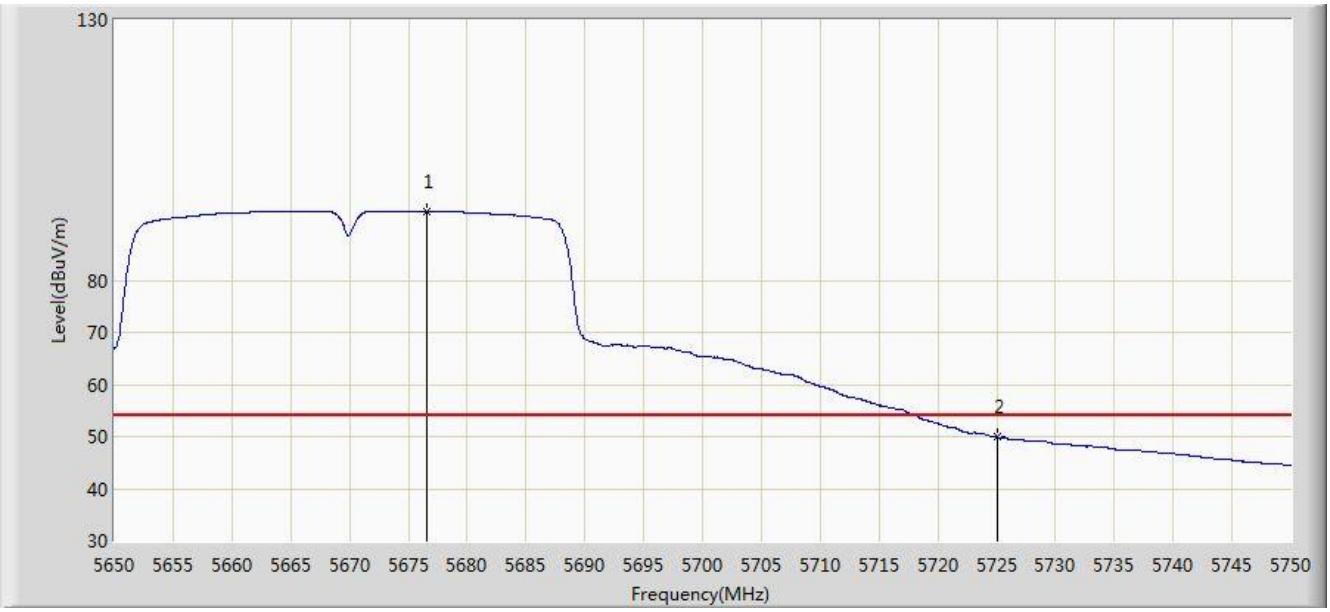



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5679.250 | 105.687 | 102.009 | N/A | N/A | 3.679 | PK |
| 2 | | | 5725.000 | 63.155 | 59.364 | -10.845 | 74.000 | 3.791 | PK |
| 3 | | | 5729.750 | 64.208 | 60.402 | -9.792 | 74.000 | 3.805 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/14 - 23:55 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11n-HT40 at channel 5670MHz Ant 0 | |

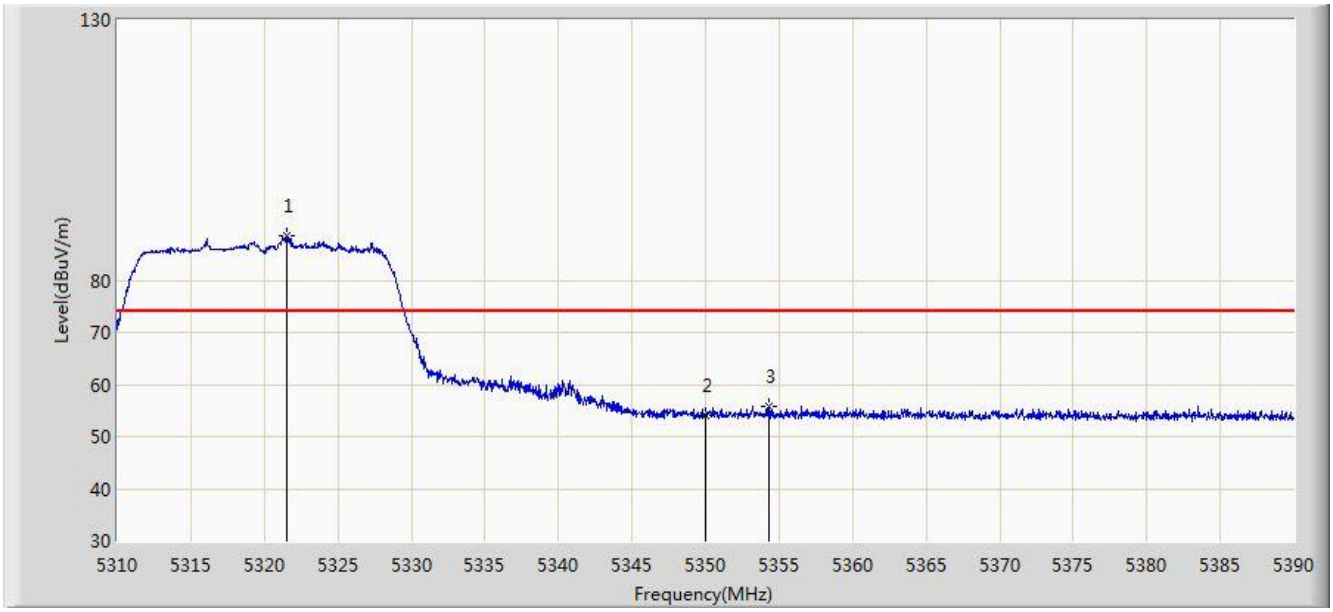



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5676.600 | 93.330 | 89.658 | N/A | N/A | 3.672 | AV |
| 2 | | | 5725.000 | 49.905 | 46.114 | -4.095 | 54.000 | 3.791 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:04 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0 | |

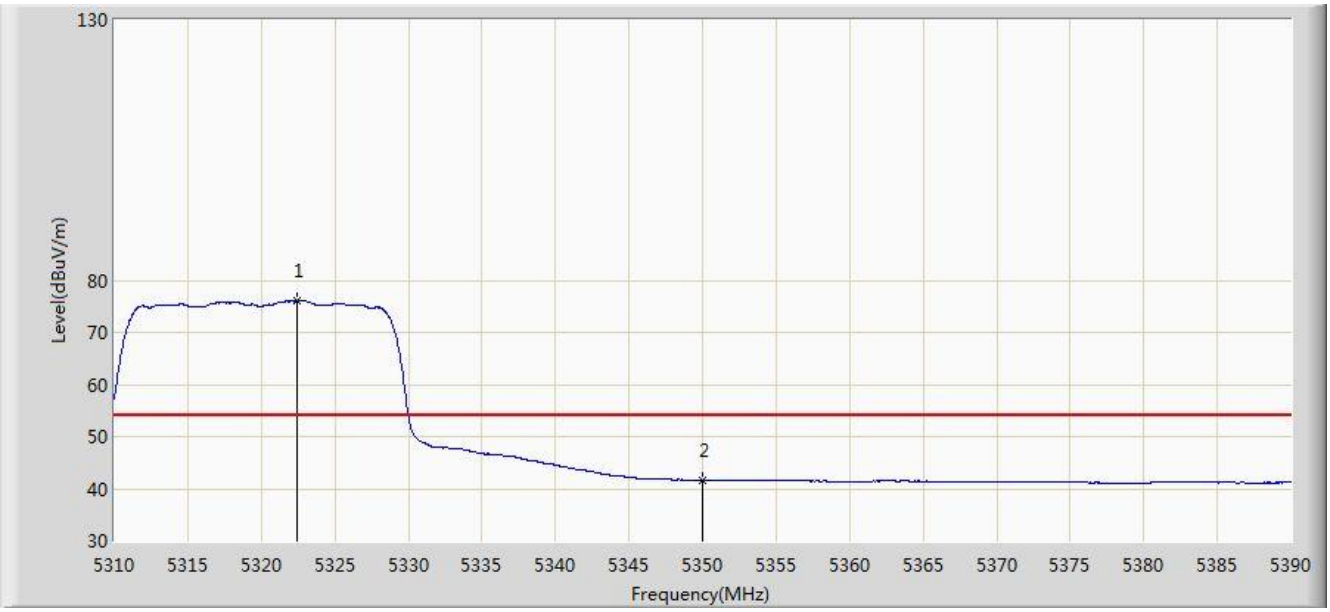



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.560 | 88.689 | 85.619 | N/A | N/A | 3.071 | PK |
| 2 | | | 5350.000 | 53.916 | 50.884 | -20.084 | 74.000 | 3.032 | PK |
| 3 | | | 5354.360 | 55.888 | 52.860 | -18.112 | 74.000 | 3.028 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:05 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0 | |

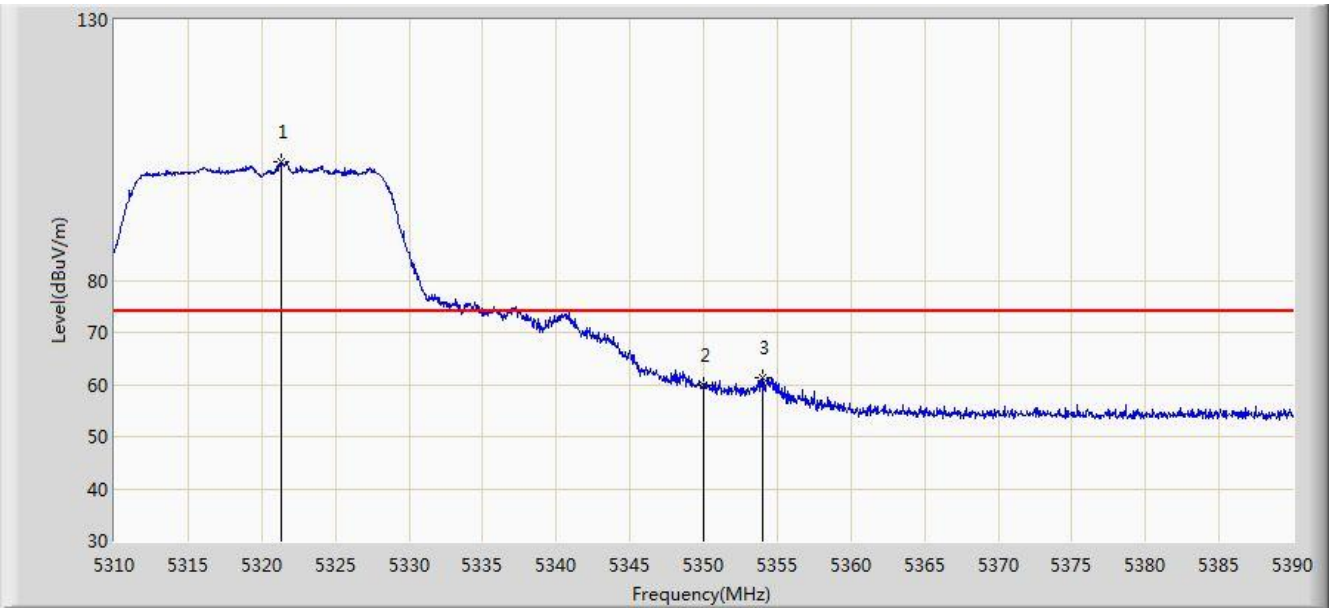



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.400 | 75.977 | 72.909 | N/A | N/A | 3.068 | AV |
| 2 | | | 5350.000 | 41.680 | 38.648 | -12.320 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:01 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0 | |

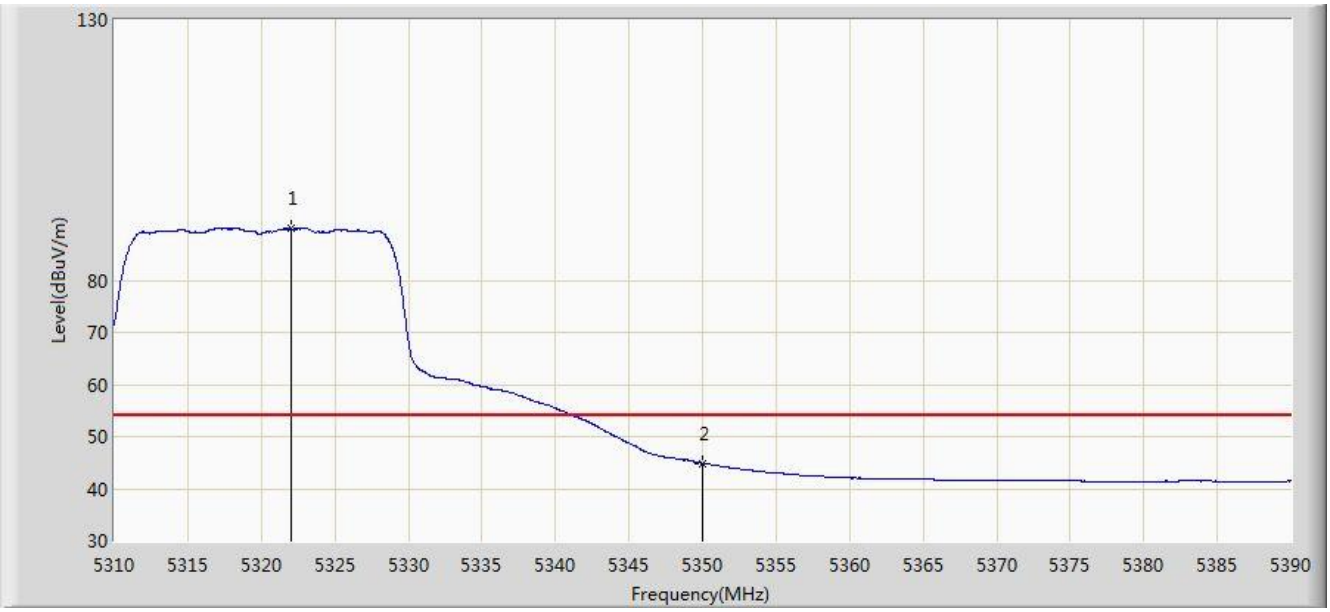



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.360 | 102.840 | 99.770 | N/A | N/A | 3.070 | PK |
| 2 | | | 5350.000 | 59.901 | 56.869 | -14.099 | 74.000 | 3.032 | PK |
| 3 | | | 5354.040 | 61.263 | 58.235 | -12.737 | 74.000 | 3.028 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:03 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5320MHz Ant 0 | |

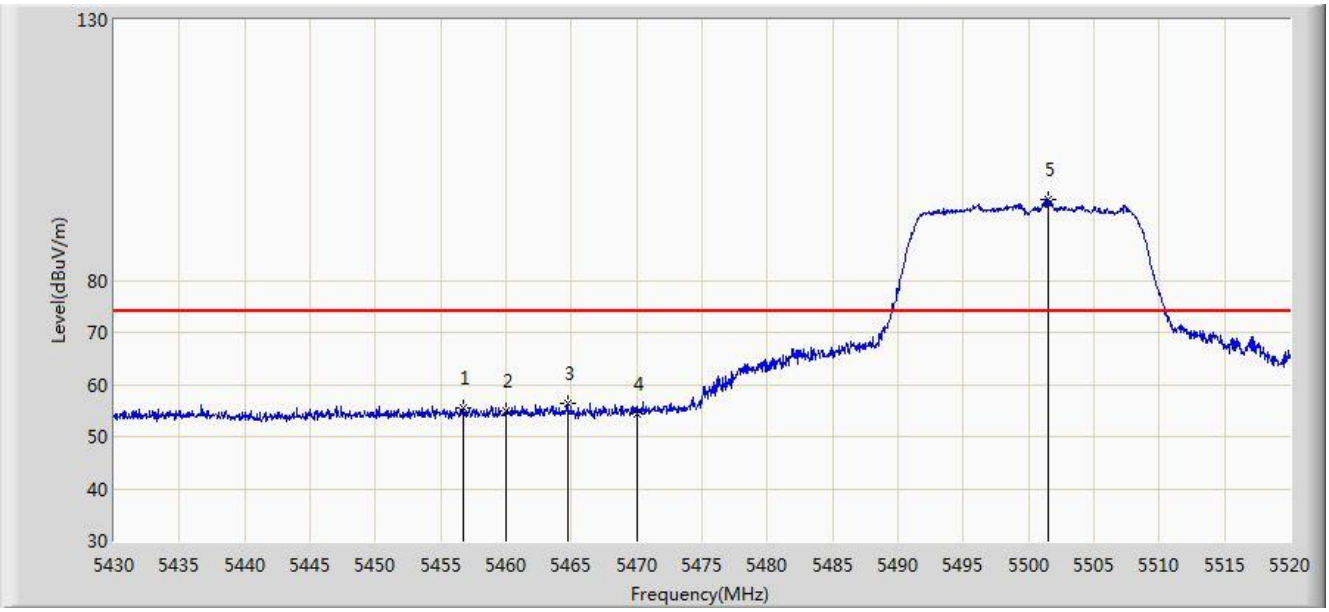



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.000 | 89.861 | 86.792 | N/A | N/A | 3.069 | AV |
| 2 | | | 5350.000 | 44.827 | 41.795 | -9.173 | 54.000 | 3.032 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:08 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0 | |

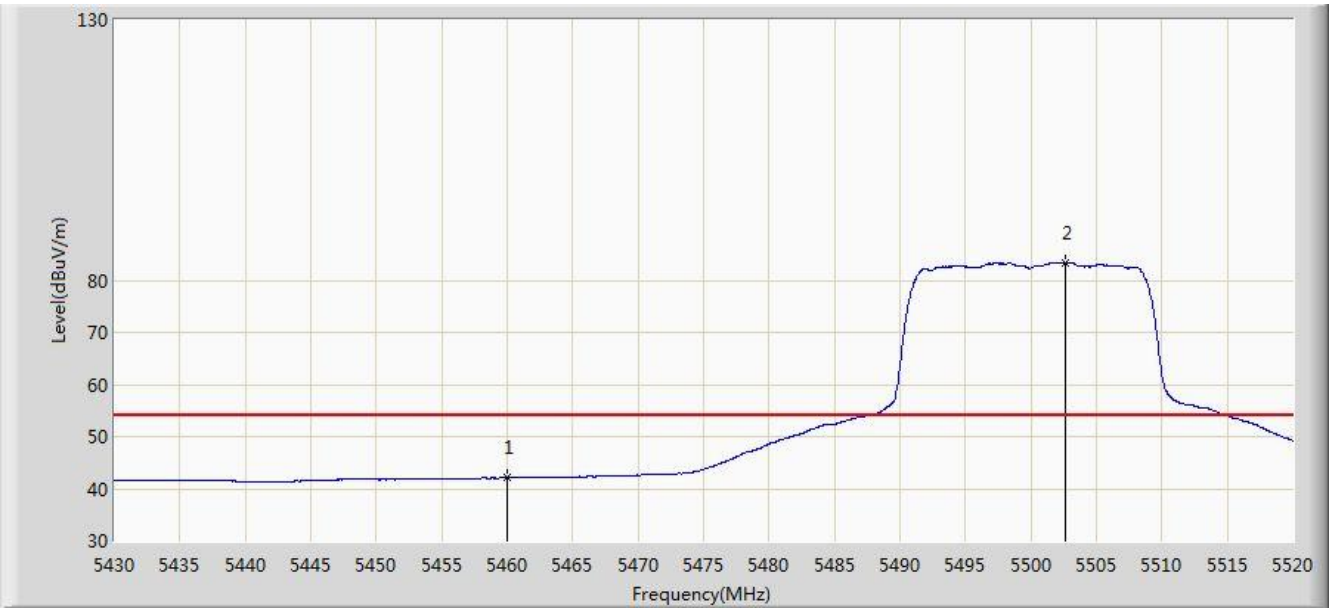



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5456.730 | 55.572 | 52.109 | -18.428 | 74.000 | 3.463 | PK |
| 2 | | | 5460.000 | 54.806 | 51.324 | -19.194 | 74.000 | 3.482 | PK |
| 3 | | | 5464.740 | 56.442 | 52.933 | -17.558 | 74.000 | 3.509 | PK |
| 4 | | | 5470.000 | 54.265 | 50.726 | -19.735 | 74.000 | 3.539 | PK |
| 5 | | * | 5501.550 | 95.448 | 91.923 | N/A | N/A | 3.525 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:10 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0 | |

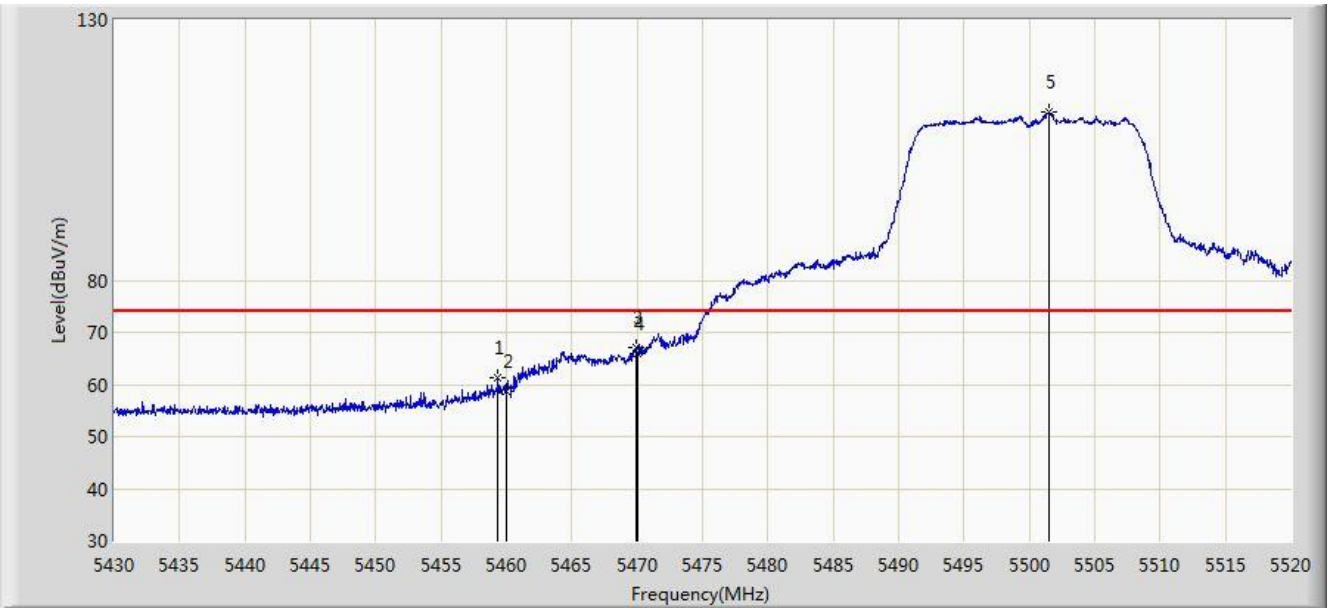



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 42.082 | 38.600 | -11.918 | 54.000 | 3.482 | AV |
| 2 | | * | 5502.675 | 83.268 | 79.745 | N/A | N/A | 3.523 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:06 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0 | |

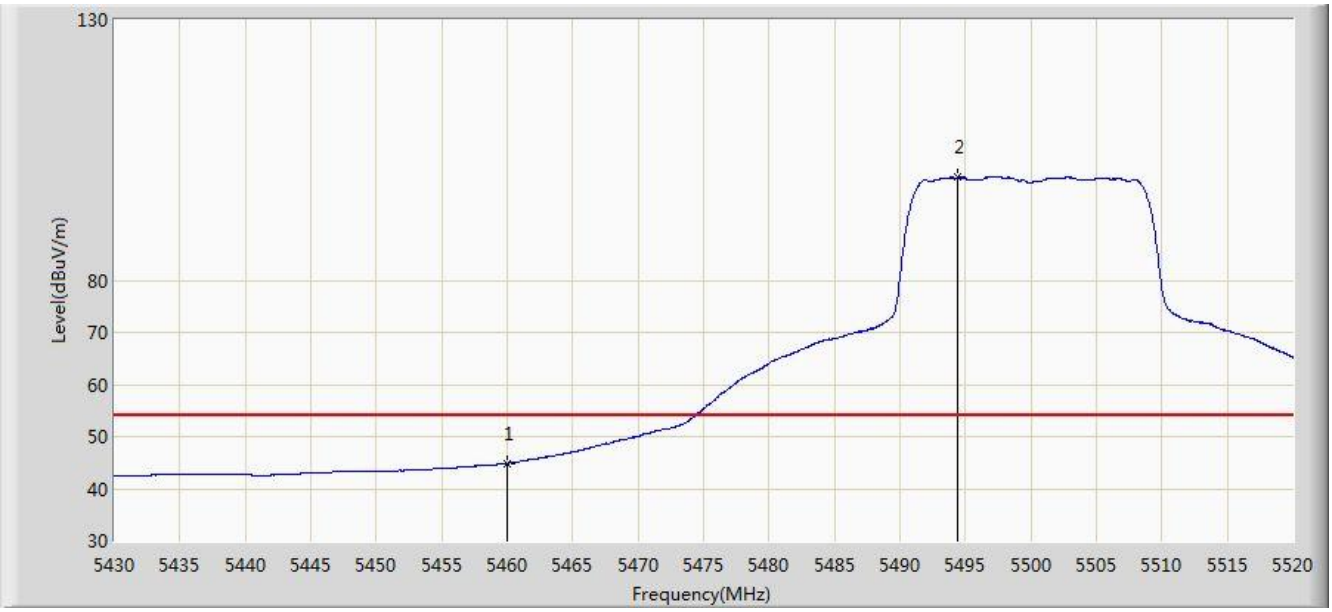



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5459.340 | 61.186 | 57.708 | -12.814 | 74.000 | 3.477 | PK |
| 2 | | | 5460.000 | 58.553 | 55.071 | -15.447 | 74.000 | 3.482 | PK |
| 3 | | | 5469.870 | 67.241 | 63.702 | -6.759 | 74.000 | 3.538 | PK |
| 4 | | | 5470.000 | 66.037 | 62.498 | -7.963 | 74.000 | 3.539 | PK |
| 5 | | * | 5501.460 | 112.422 | 108.897 | N/A | N/A | 3.525 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:08 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5500MHz Ant 0 | |

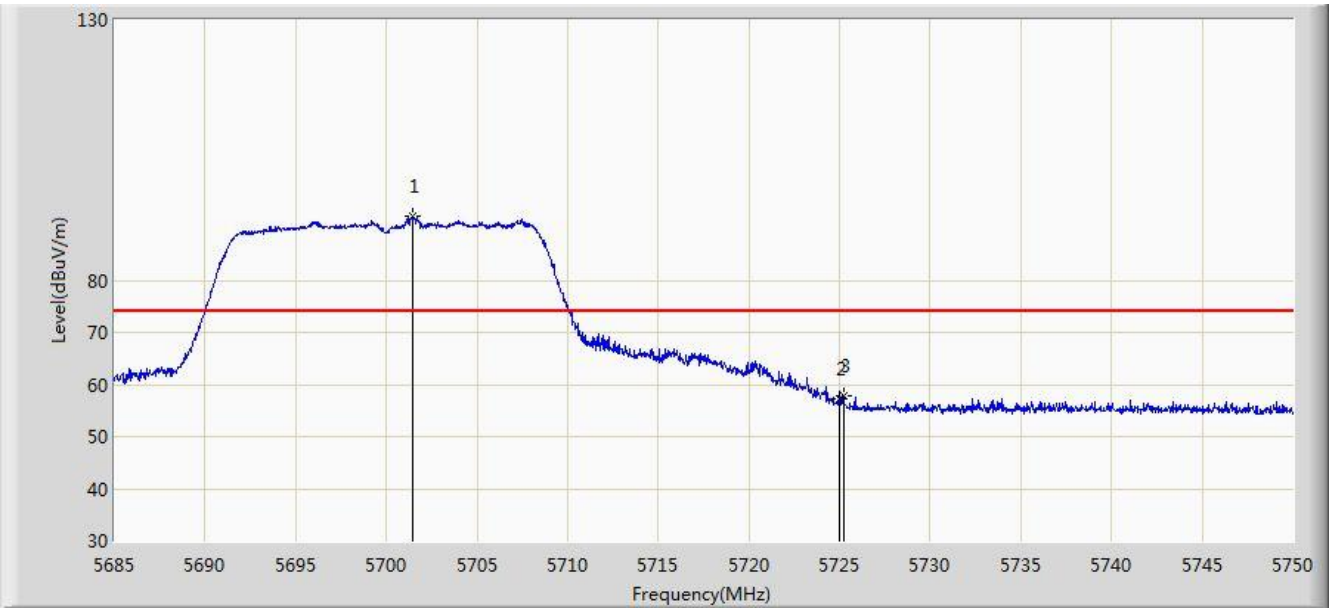



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 44.896 | 41.414 | -9.104 | 54.000 | 3.482 | AV |
| 2 | | * | 5494.395 | 99.728 | 96.196 | N/A | N/A | 3.532 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:15 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Ant 0 | |

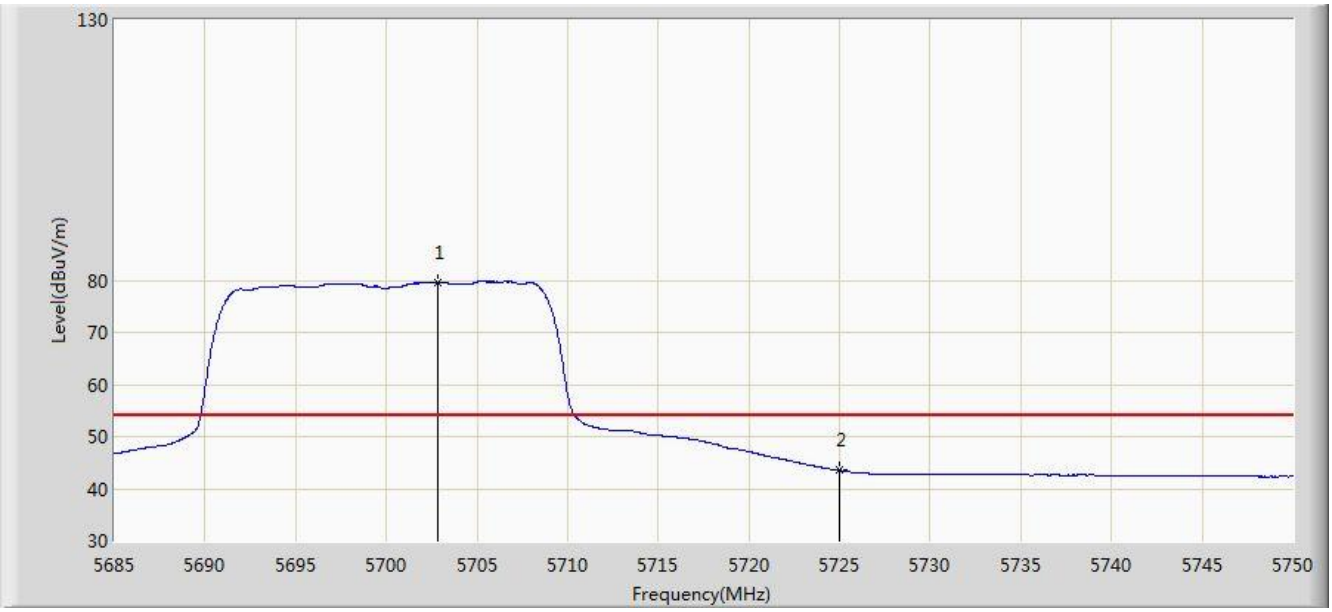



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5701.445 | 92.364 | 88.643 | N/A | N/A | 3.721 | PK |
| 2 | | | 5725.000 | 57.233 | 53.442 | -16.767 | 74.000 | 3.791 | PK |
| 3 | | | 5725.203 | 57.692 | 53.901 | -16.308 | 74.000 | 3.792 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/04/15 - 00:17 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Alex Ma |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Wireless Access Point | Power: By POE |
| Test Mode: Transmit by 802.11ac-VHT20 at channel 5700MHz Ant 0 | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5702.842 | 79.672 | 75.949 | N/A | N/A | 3.723 | AV |
| 2 | | | 5725.000 | 43.508 | 39.717 | -10.492 | 54.000 | 3.791 | AV |

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

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