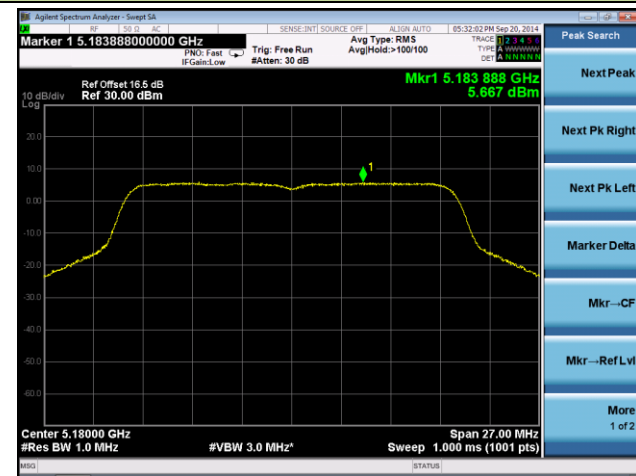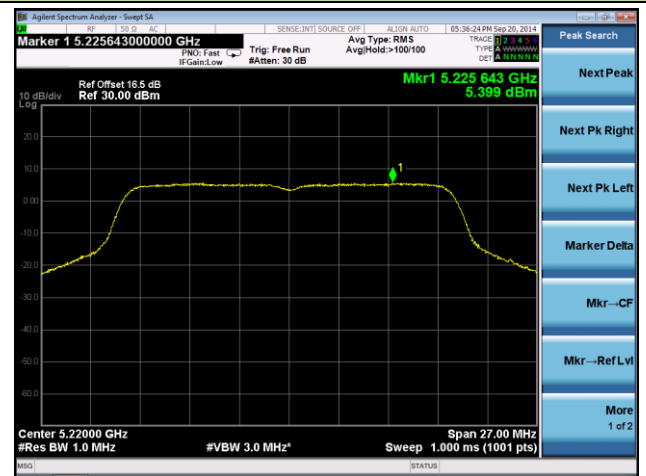## Channel 165 (5825MHz)

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

### Channel 36 (5180MHz)



### Channel 44 (5220MHz)



### Channel 48 (5240MHz)



### Channel 52 (5260MHz)



### Channel 60 (5300MHz)



### Channel 64 (5320MHz)

## Channel 100 (5500MHz)



## Channel 120 (5600MHz)



## Channel 140 (5700MHz)



## Channel 144 (5720MHz)



## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

## Channel 165 (5825MHz)
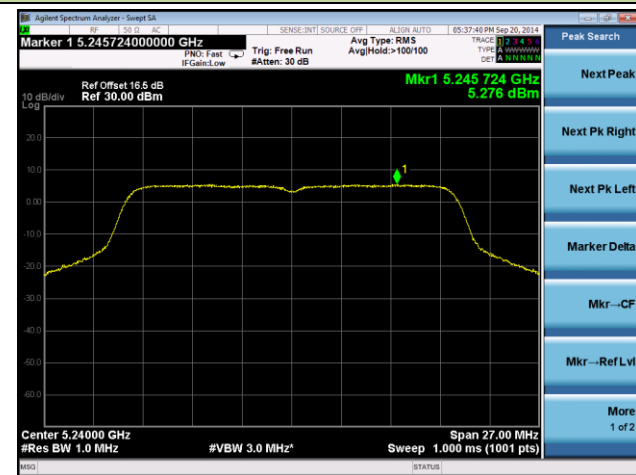
## 802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1
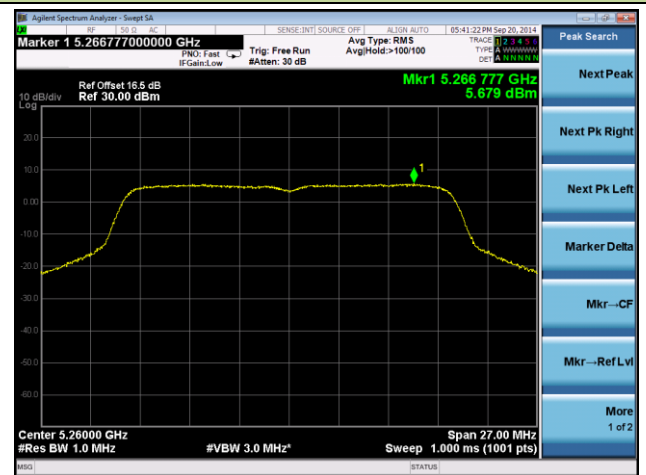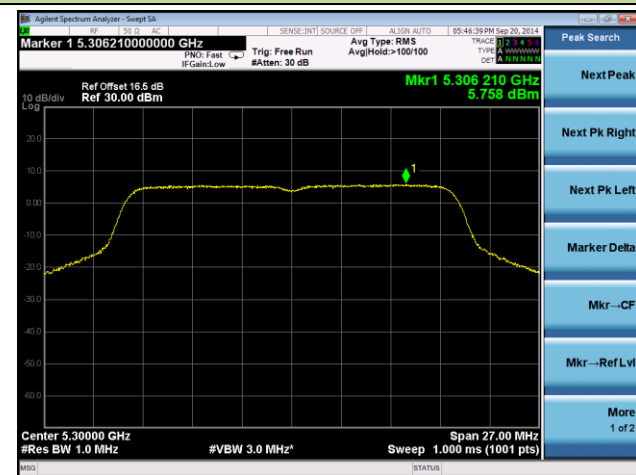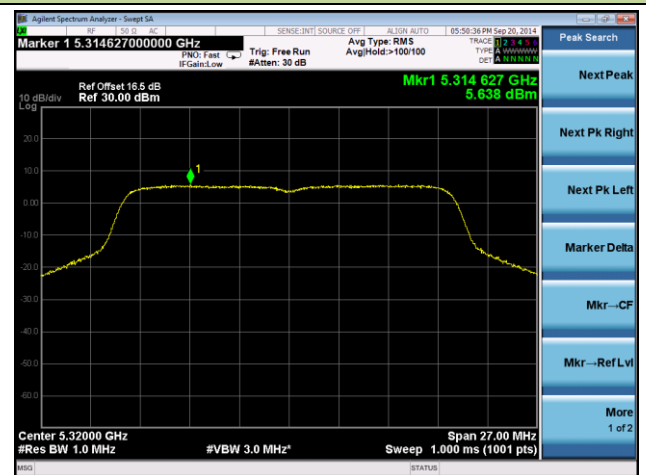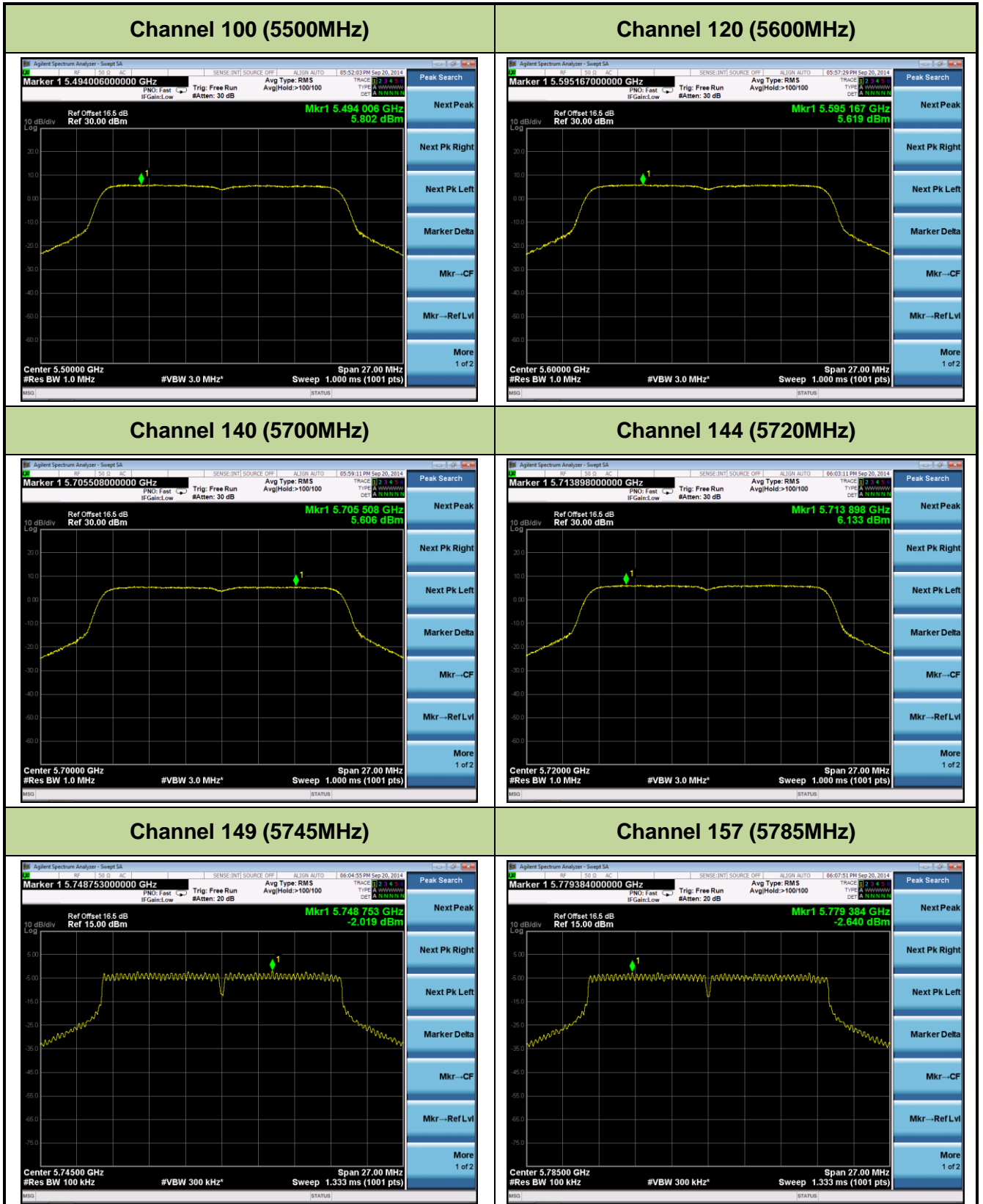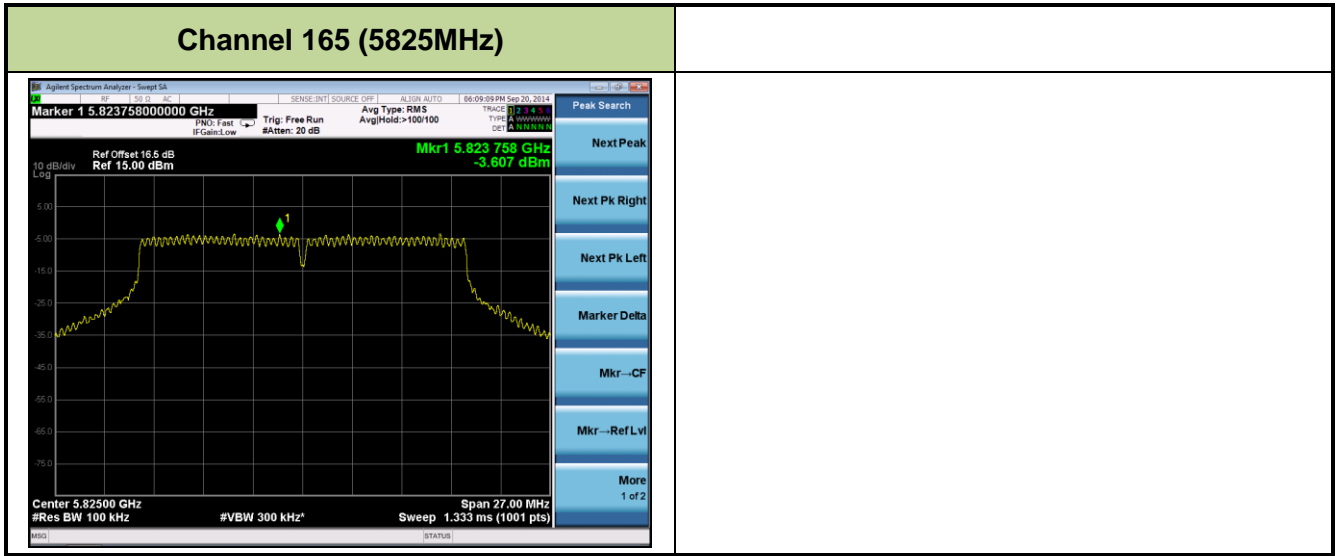
### Channel 38 (5190MHz)

Marker 1 5.202428000000 GHz
Mkr1 5.202 428 GHz
-1.901 dBm
Center 5.19000 GHz | Span 52.00 MHz
#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 1.000 ms (1001 pts)

### Channel 46 (5230MHz)

Marker 1 5.238632000000 GHz
Mkr1 5.238 632 GHz
-0.891 dBm
Center 5.23000 GHz | Span 52.00 MHz
#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 1.000 ms (1001 pts)

### Channel 54 (5270MHz)

Marker 1 5.278268000000 GHz
Mkr1 5.278 268 GHz
-0.959 dBm
Center 5.27000 GHz | Span 52.00 MHz
#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 1.000 ms (1001 pts)

### Channel 62 (5310MHz)

Marker 1 5.305372000000 GHz
Mkr1 5.305 372 GHz
-1.318 dBm
Center 5.31000 GHz | Span 52.00 MHz
#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 1.000 ms (1001 pts)

### Channel 102 (5510MHz)

Marker 1 5.502096000000 GHz
Mkr1 5.502 096 GHz
-0.697 dBm
Center 5.51000 GHz | Span 52.00 MHz
#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 1.000 ms (1001 pts)

### Channel 118 (5590MHz)

Marker 1 5.579548000000 GHz
Mkr1 5.579 548 GHz
0.863 dBm
Center 5.59000 GHz | Span 52.00 MHz
#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 1.000 ms (1001 pts)

## Channel 134 (5670MHz)



## Channel 142 (5710MHz)
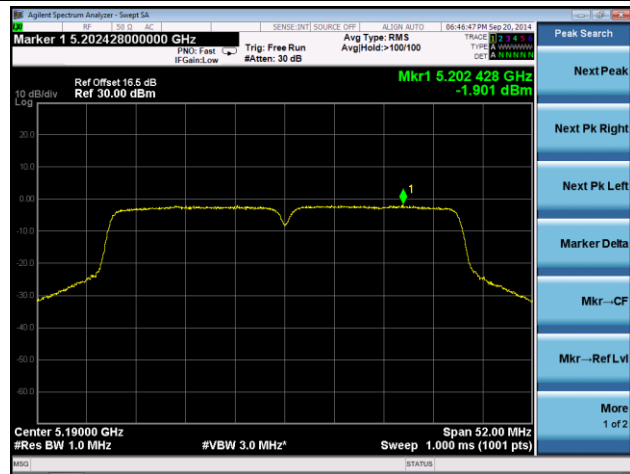


## Channel 151 (5755MHz)



## Channel 159 (5795MHz)

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

| Channel 38 (5190MHz) | Channel 46 (5230MHz) |
|---|---|
|  |  |

| Channel 54 (5270MHz) | Channel 62 (5310MHz) |
|---|---|
|  |  |

| Channel 102 (5510MHz) | Channel 118 (5590MHz) |
|---|---|
|  |  |

| Channel 134 (5670MHz) | Channel 142 (5710MHz) |
|---|---|
|  |  |

| Channel 151(5755MHz) | Channel 159 (5795MHz) |
|---|---|
|  |  |
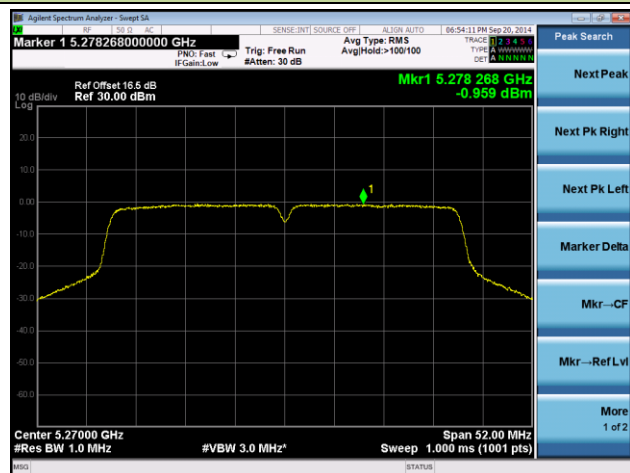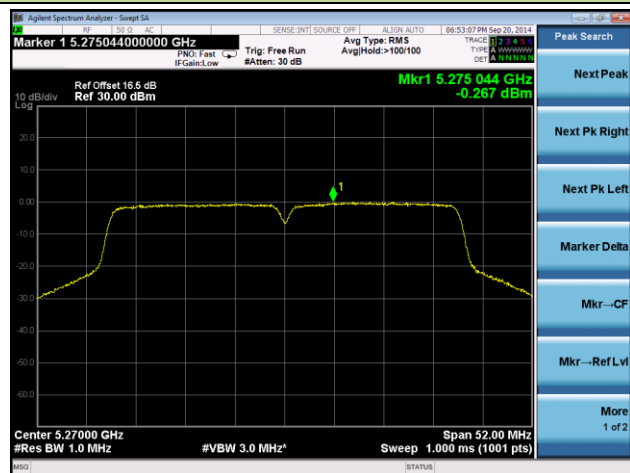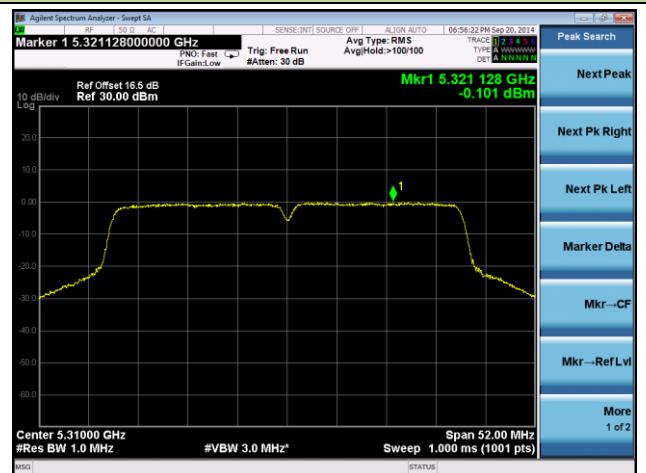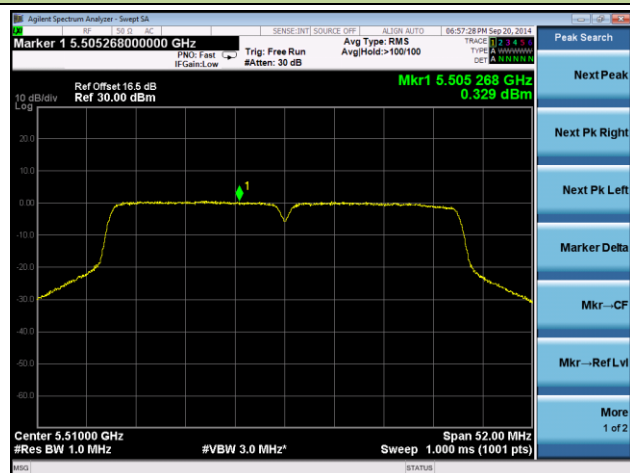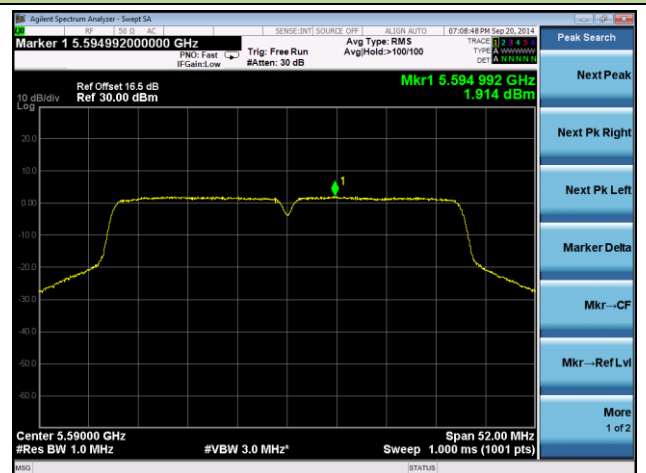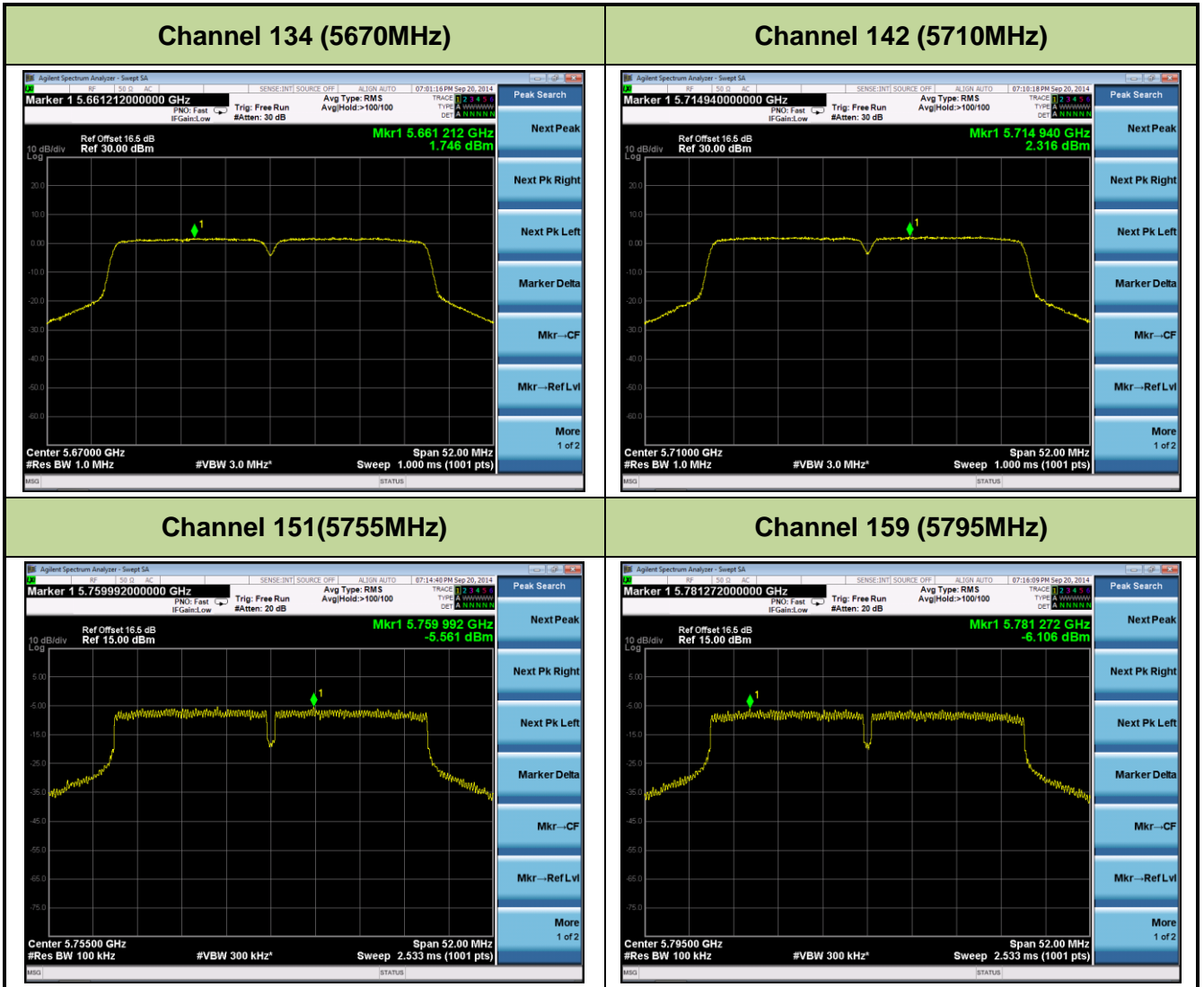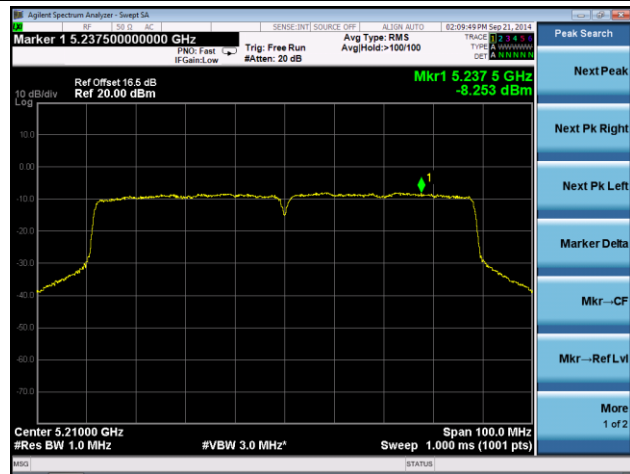
## 802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1
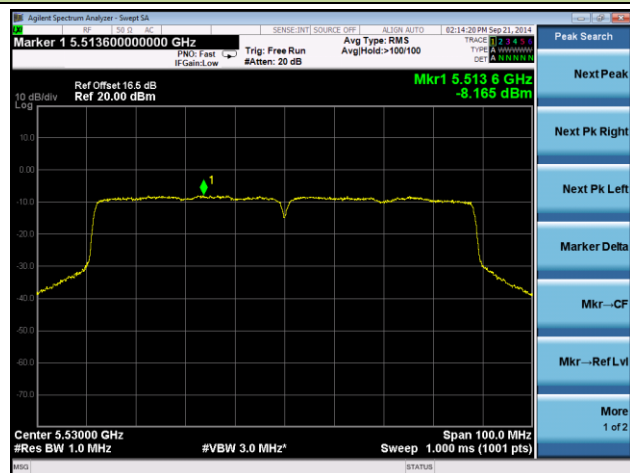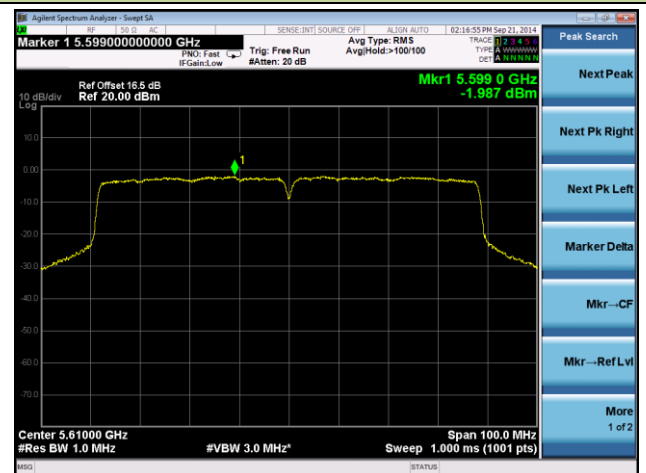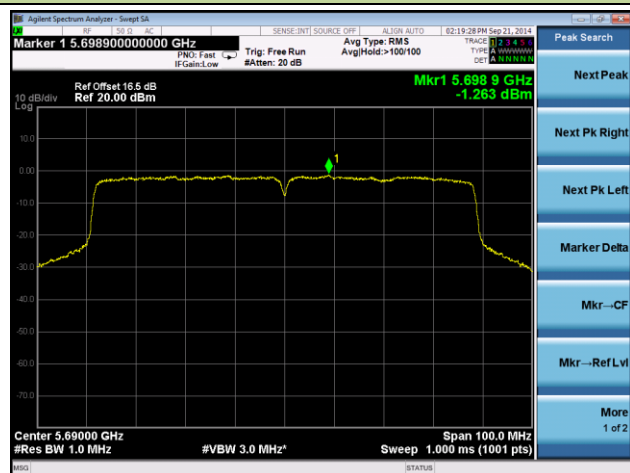
| Channel 42 (5210MHz) | Channel 58 (5290MHz) |
|---|---|



| Channel 106 (5530MHz) | Channel 122 (5610MHz) |
|---|---|



| Channel 138 (5690MHz) | Channel 155 (5775MHz) |
|---|---|
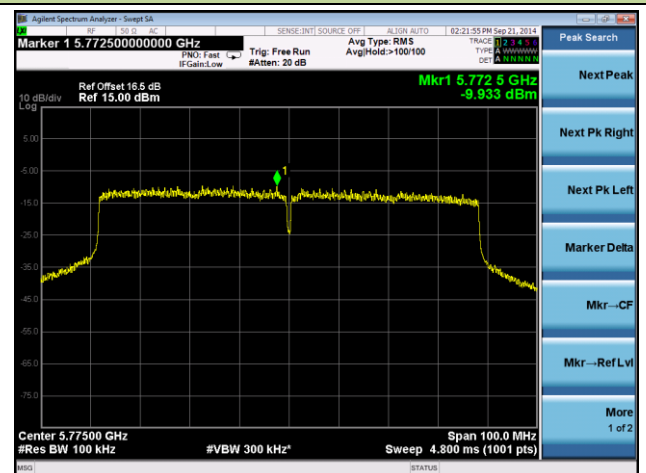
## 802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1
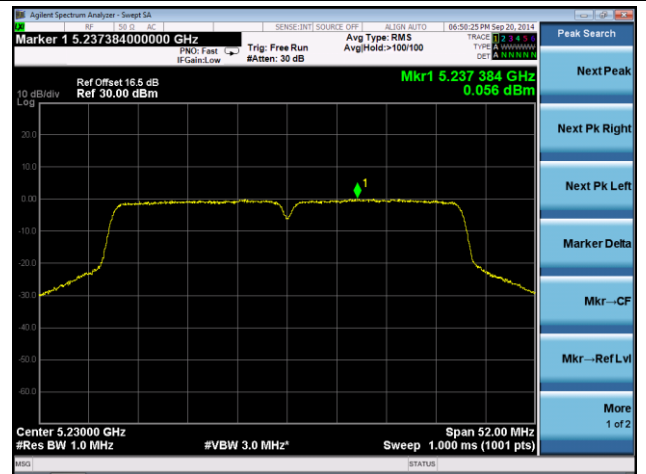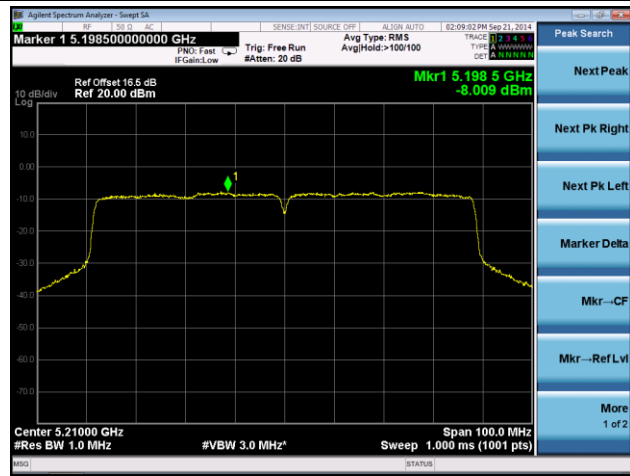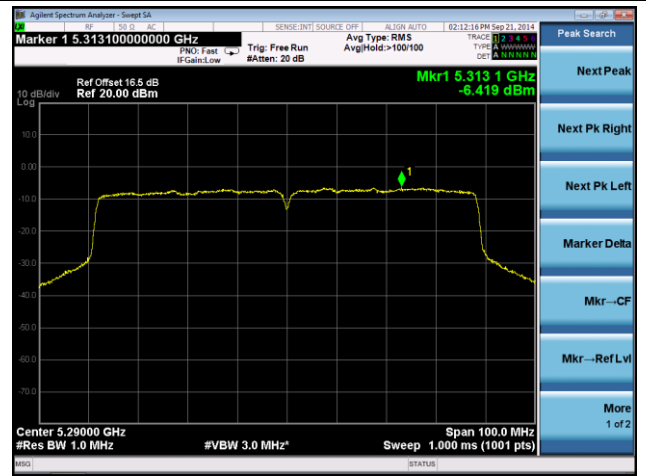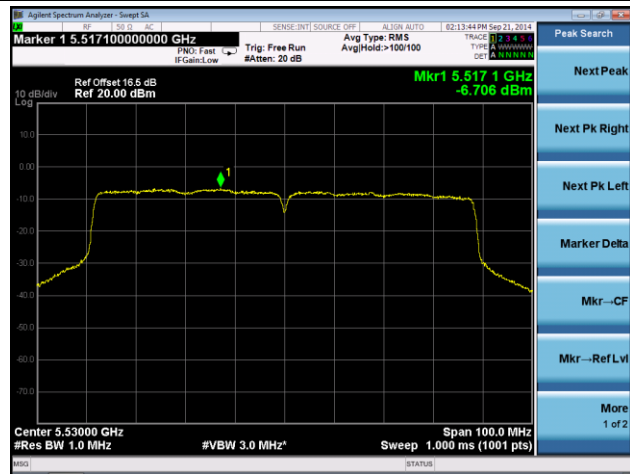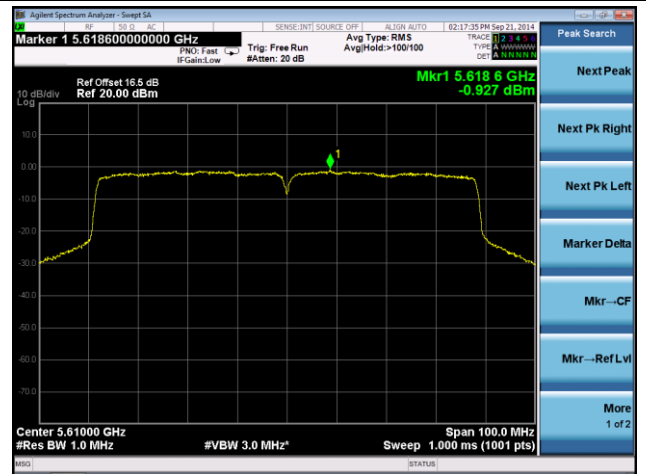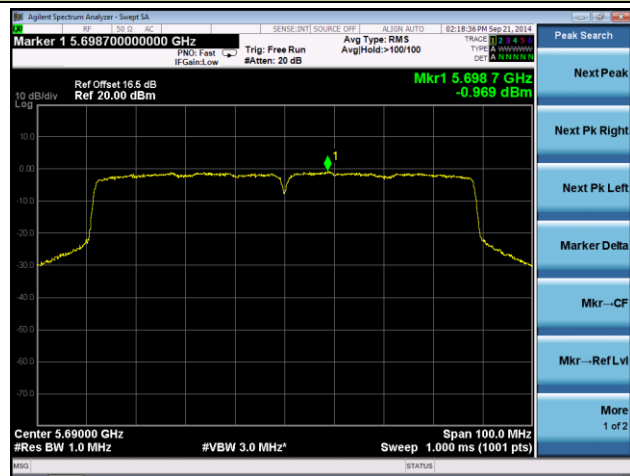
| Channel 42 (5210MHz) | Channel 58 (5290MHz) |
|---|---|
|  |  |

| Channel 106 (5530MHz) | Channel 122 (5610MHz) |
|---|---|
|  |  |

| Channel 138 (5690MHz) | Channel 155 (5755MHz) |
|---|---|
|  |  |
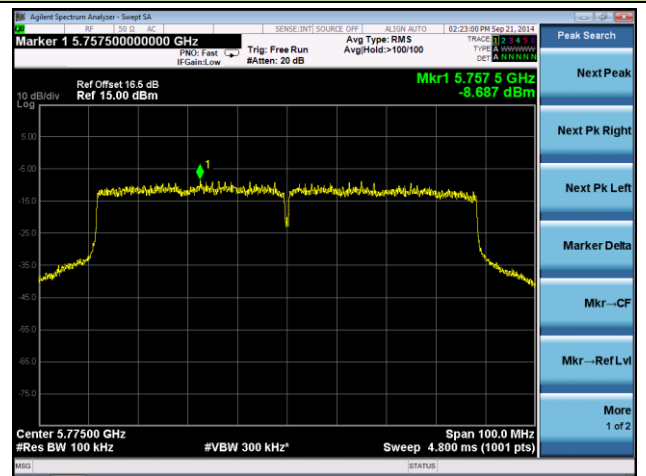
## 7.7. Frequency Stability Measurement

### 7.7.1. 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.

### 7.7.2. 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.

### 7.7.3. Test Setup
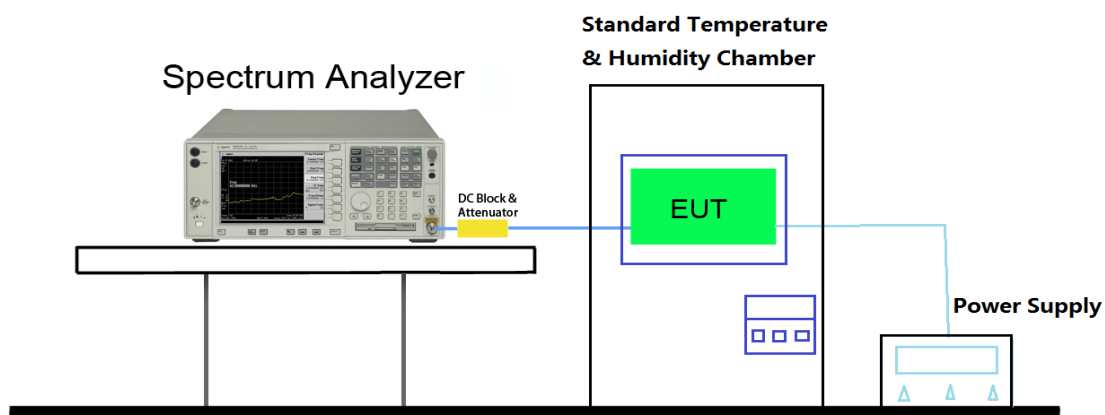
### 7.7.4. Test Result

| Voltage (%) | Power (VAC) | Temp (°C) | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|---|---|---|---|---|---|
| 100% | 120 | + 20 (Ref) | 5219992108.713 | -7891.287 | -0.0001512 |
| | | | 5299990302.635 | -9697.365 | -0.0001830 |
| | | | 5599990235.710 | -9764.290 | -0.0001744 |
| | | | 5784990096.706 | -9903.294 | -0.0001712 |
| | | - 30 | 5220022019.452 | 22019.452 | 0.0004218 |
| | | | 5300021641.207 | 21641.207 | 0.0004083 |
| | | | 5600024919.116 | 24919.116 | 0.0004450 |
| | | | 5785028850.407 | 28850.407 | 0.0004987 |
| | | - 20 | 5220015013.403 | 15013.403 | 0.0002876 |
| | | | 5300011110.322 | 11110.322 | 0.0002096 |
| | | | 5600010771.104 | 10771.104 | 0.0001923 |
| | | | 5599998022.186 | -1977.814 | -0.0000353 |
| | | - 10 | 5219998234.811 | -1765.189 | -0.0000338 |
| | | | 5299997160.242 | -2839.758 | -0.0000536 |
| | | | 5599998022.186 | -1977.814 | -0.0000353 |
| | | | 5785002213.183 | 2213.183 | 0.0000383 |
| | | 0 | 5220000902.021 | 902.021 | 0.0000173 |
| | | | 5299996343.310 | -3656.690 | -0.0000690 |
| | | | 5599997321.164 | -2678.836 | -0.0000478 |
| | | | 5785000313.113 | 313.113 | 0.0000054 |
| | | + 10 | 5219992025.445 | -7974.555 | -0.0001528 |
| | | | 5299991835.063 | -8164.937 | -0.0001541 |
| | | | 5599991495.161 | -8504.839 | -0.0001519 |
| | | | 5784990624.797 | -9375.203 | -0.0001621 |
| | | + 20 | 5219992108.713 | -7891.287 | -0.0001512 |
| | | | 5299990302.635 | -9697.365 | -0.0001830 |
| | | | 5599990235.710 | -9764.290 | -0.0001744 |
| | | | 5784990096.706 | -9903.294 | -0.0001712 |
| | | + 30 | 5219993554.536 | -6445.464 | -0.0001235 |
| | | | 5299990840.277 | -9159.723 | -0.0001728 |
| | | | 5599989032.217 | -10967.783 | -0.0001959 |
| | | | 5784990096.311 | -9903.689 | -0.0001712 |
| | | + 40 | 5219992140.316 | -7859.684 | -0.0001506 |

| | | | 5299990566.612 | -9433.388 | -0.0001780 |
|---|---|---|---|---|---|
| | | | 5599989769.745 | -10230.255 | -0.0001827 |
| | | | 5784990522.202 | -9477.798 | -0.0001638 |
| | | + 50 | 5219991835.255 | -8164.745 | -0.0001564 |
| | | | 5299993262.507 | -6737.493 | -0.0001271 |
| | | | 5599994605.246 | -5394.754 | -0.0000963 |
| | | | 5784996384.212 | -3615.788 | -0.0000625 |
| 115% | 138 | + 20 | 5219993044.354 | -6955.646 | -0.0001333 |
| | | | 5299992402.377 | -7597.623 | -0.0001434 |
| | | | 5599991335.243 | -8664.757 | -0.0001547 |
| | | | 5784990833.926 | -9166.074 | -0.0001584 |
| 85% | 102 | + 20 | 5219995138.712 | -4861.288 | -0.0000931 |
| | | | 5299993205.493 | -6794.507 | -0.0001282 |
| | | | 5599991932.847 | -8067.153 | -0.0001441 |
| | | | 5784991419.127 | -8580.873 | -0.0001483 |

## 7.8. Radiated Spurious Emission Measurement

### 7.8.1. Test Limit

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

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

### 7.8.2. Test Procedure Used

KDB 789033 D02v01 – Section G

### 7.8.3. 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 (RMS)

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


### 7.8.4. Test Setup

9kHz ~ 30MHz Test Setup:
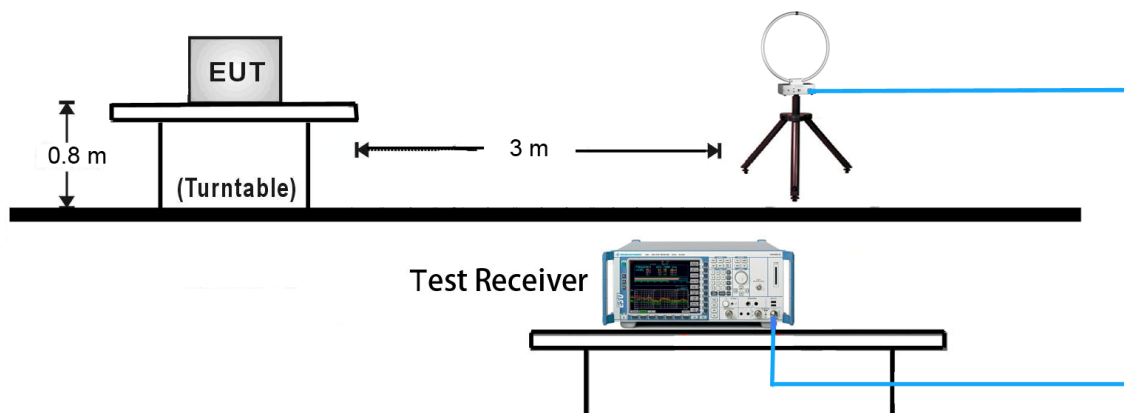
30MHz ~ 1GHz Test Setup:
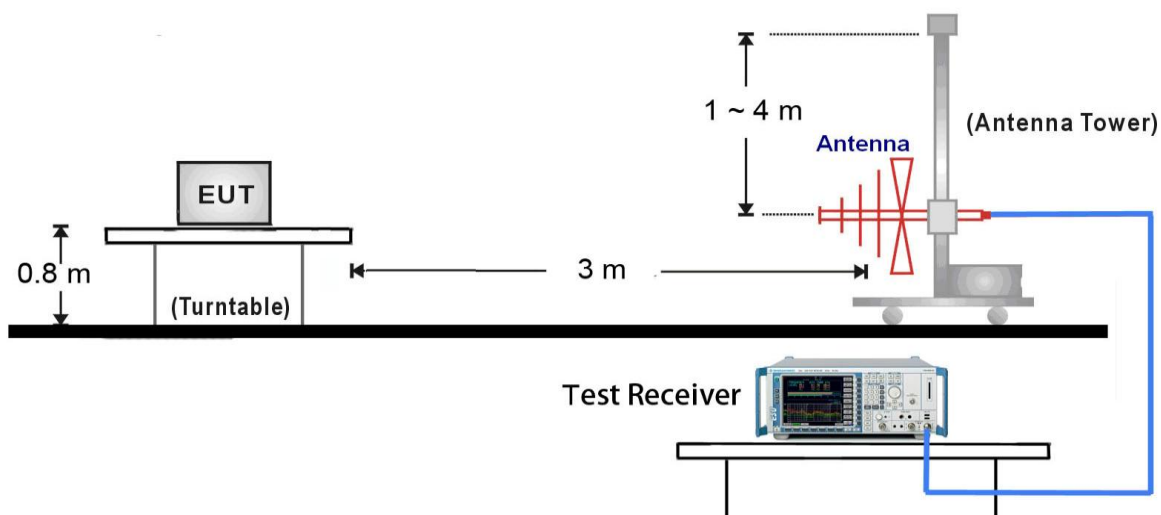


1GHz ~18GHz Test Setup:
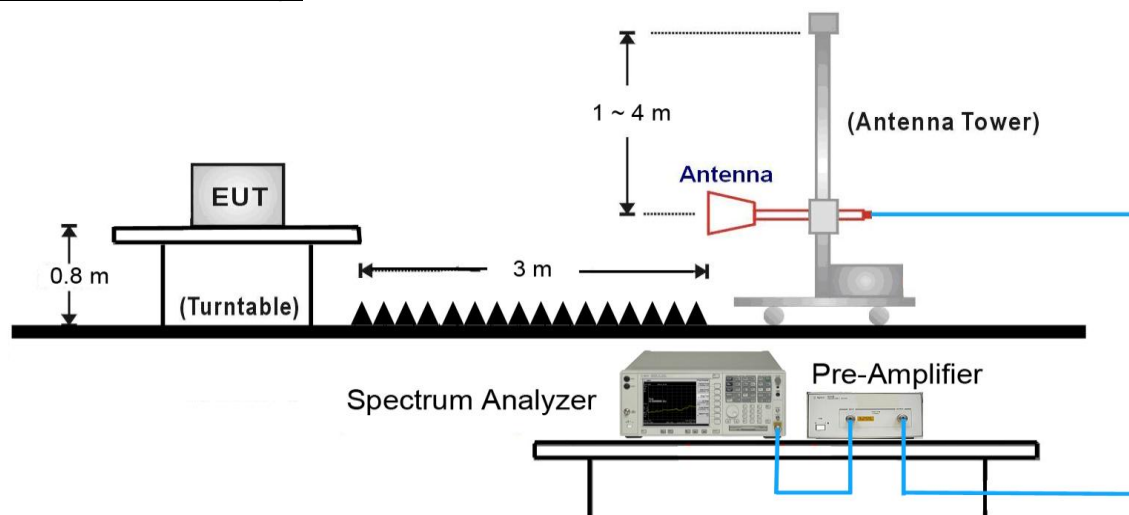


18GHz ~40GHz Test Setup:
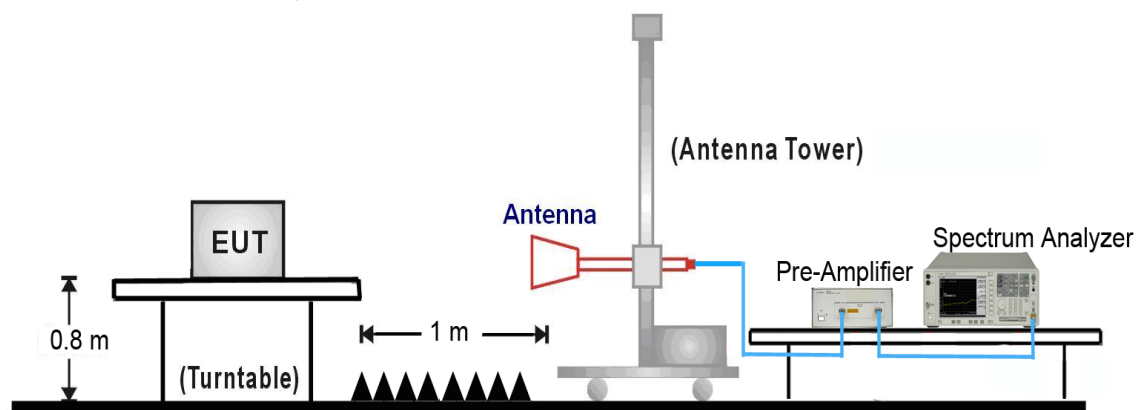
### 7.8.5. Test Result

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 36 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.3 | 13.5 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
| * | 7774.5 | 33.9 | 14.9 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
|  | 8429.0 | 34.5 | 14.6 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
|  | 9049.5 | 34.5 | 14.5 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 7230.5 | 36.1 | 13.8 | 49.9 | 88.2 | -38.3 | Peak | Vertical |
| * | 7876.5 | 32.8 | 15.0 | 47.8 | 88.2 | -40.4 | Peak | Vertical |
|  | 8429.0 | 33.4 | 14.6 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
|  | 9143.0 | 33.7 | 15.2 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 44 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.8 | 13.5 | 49.3 | 88.2 | -38.9 | Peak | Horizontal |
| * | 7876.5 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Horizontal |
| | 8131.5 | 33.5 | 15.0 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 9066.5 | 34.3 | 14.5 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 7230.5 | 35.9 | 13.8 | 49.7 | 88.2 | -38.5 | Peak | Vertical |
| * | 7902.0 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
| | 8429.0 | 33.7 | 14.6 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| | 9024.0 | 33.9 | 14.5 | 48.4 | 74.0 | -25.6 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 48 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7179.5 | 35.6 | 13.6 | 49.2 | 88.2 | -39.0 | Peak | Horizontal |
| * | 7902.0 | 33.7 | 15.0 | 48.7 | 88.2 | -39.5 | Peak | Horizontal |
|  | 8471.5 | 33.5 | 14.6 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
|  | 9015.5 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 7145.5 | 35.6 | 13.5 | 49.1 | 88.2 | -39.1 | Peak | Vertical |
| * | 7902.0 | 33.2 | 15.0 | 48.2 | 88.2 | -40.0 | Peak | Vertical |
|  | 8276.0 | 33.2 | 14.3 | 47.5 | 74.0 | -26.5 | Peak | Vertical |
|  | 9355.5 | 32.8 | 15.4 | 48.2 | 74.0 | -25.8 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.6 | 13.5 | 49.1 | 88.2 | -39.1 | Peak | Horizontal |
| * | 7885.0 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
|  | 8242.0 | 34.3 | 14.5 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
|  | 9092.0 | 34.5 | 14.6 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| * | 7171.0 | 35.3 | 13.6 | 48.9 | 88.2 | -39.3 | Peak | Vertical |
| * | 7842.5 | 33.7 | 15.1 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
|  | 8165.5 | 34.5 | 14.8 | 49.3 | 74.0 | -24.7 | Peak | Vertical |
|  | 9466.0 | 34.7 | 15.4 | 50.1 | 74.0 | -23.9 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7120.0 | 34.1 | 13.4 | 47.5 | 88.2 | -40.7 | Peak | Horizontal |
| * | 7944.5 | 34.8 | 15.1 | 49.9 | 88.2 | -38.3 | Peak | Horizontal |
|  | 8437.5 | 33.9 | 14.6 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
|  | 9134.5 | 34.0 | 15.1 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| * | 7188.0 | 35.9 | 13.6 | 49.5 | 88.2 | -38.7 | Peak | Vertical |
| * | 7961.5 | 32.5 | 15.0 | 47.5 | 88.2 | -40.7 | Peak | Vertical |
|  | 8395.0 | 33.3 | 14.4 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
|  | 9304.5 | 34.6 | 15.4 | 50.0 | 74.0 | -24.0 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.  2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 35.0 | 13.6 | 48.6 | 88.2 | -39.6 | Peak | Horizontal |
| * | 7808.5 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Horizontal |
|  | 8352.5 | 31.7 | 14.4 | 46.1 | 74.0 | -27.9 | Peak | Horizontal |
|  | 9304.5 | 33.9 | 15.4 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| * | 7171.0 | 34.2 | 13.6 | 47.8 | 88.2 | -40.4 | Peak | Vertical |
| * | 7783.0 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Vertical |
|  | 8463.0 | 32.6 | 14.5 | 47.1 | 74.0 | -26.9 | Peak | Vertical |
|  | 9347.0 | 33.1 | 15.4 | 48.5 | 74.0 | -25.5 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7179.5 | 35.8 | 13.6 | 49.4 | 88.2 | -38.8 | Peak | Horizontal |
| * | 7885.0 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Horizontal |
|  | 8437.5 | 33.9 | 14.6 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
|  | 9024.0 | 34.5 | 14.5 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 7247.5 | 35.8 | 13.8 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| * | 7808.5 | 33.5 | 15.0 | 48.5 | 88.2 | -39.7 | Peak | Vertical |
|  | 8318.5 | 33.1 | 14.4 | 47.5 | 74.0 | -26.5 | Peak | Vertical |
|  | 9185.5 | 34.1 | 15.3 | 49.4 | 74.0 | -24.6 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7222.0 | 36.3 | 13.7 | 50.0 | 88.2 | -38.2 | Peak | Horizontal |
| * | 7800.0 | 33.5 | 15.0 | 48.5 | 88.2 | -39.7 | Peak | Horizontal |
| | 8327.0 | 33.3 | 14.5 | 47.8 | 74.0 | -26.2 | Peak | Horizontal |
| | 9024.0 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 7205.0 | 34.4 | 13.6 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
| * | 7800.0 | 34.3 | 15.0 | 49.3 | 88.2 | -38.9 | Peak | Vertical |
| | 8242.0 | 33.4 | 14.5 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 9134.5 | 33.9 | 15.1 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
| --- | --- | --- | --- |
| Test Channel: | 140 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * | 7205.0 | 35.6 | 13.6 | 49.2 | 88.2 | -39.0 | Peak | Horizontal |
| * | 7885.0 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
|   | 9024.0 | 34.9 | 14.5 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
|   | 9423.5 | 35.6 | 15.5 | 51.1 | 74.0 | -22.9 | Peak | Horizontal |
| * | 7145.5 | 34.7 | 13.5 | 48.2 | 88.2 | -40.0 | Peak | Vertical |
| * | 7868.0 | 32.7 | 15.0 | 47.7 | 88.2 | -40.5 | Peak | Vertical |
|   | 8284.5 | 32.9 | 14.3 | 47.2 | 74.0 | -26.8 | Peak | Vertical |
|   | 9432.0 | 33.6 | 15.5 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 149 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.4 | 13.5 | 48.9 | 88.2 | -39.3 | Peak | Horizontal |
| * | 7834.0 | 34.2 | 15.1 | 49.3 | 88.2 | -38.9 | Peak | Horizontal |
| | 8429.0 | 33.8 | 14.6 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| | 9432.0 | 33.5 | 15.5 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 7239.0 | 36.2 | 13.8 | 50.0 | 88.2 | -38.2 | Peak | Vertical |
| * | 7910.5 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
| | 8318.5 | 34.2 | 14.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| | 9364.0 | 32.7 | 15.3 | 48.0 | 74.0 | -26.0 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 157 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7111.5 | 35.0 | 13.4 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| * | 7995.5 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
|  | 8446.0 | 32.5 | 14.5 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
|  | 9338.5 | 33.3 | 15.4 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 7154.0 | 35.5 | 13.6 | 49.1 | 88.2 | -39.1 | Peak | Vertical |
| * | 7876.5 | 33.6 | 15.0 | 48.6 | 88.2 | -39.6 | Peak | Vertical |
|  | 8242.0 | 33.5 | 14.5 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
|  | 9304.5 | 34.0 | 15.4 | 49.4 | 74.0 | -24.6 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11a | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 165 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.6 | 13.5 | 49.1 | 88.2 | -39.1 | Peak | Horizontal |
| * | 7842.5 | 33.9 | 15.1 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
|   | 8429.0 | 34.4 | 14.6 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
|   | 9015.5 | 35.9 | 14.5 | 50.4 | 74.0 | -23.6 | Peak | Horizontal |
| * | 7230.5 | 35.8 | 13.8 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| * | 7842.5 | 34.4 | 15.1 | 49.5 | 88.2 | -38.7 | Peak | Vertical |
|   | 8488.5 | 35.2 | 14.7 | 49.9 | 74.0 | -24.1 | Peak | Vertical |
|   | 9177.0 | 34.6 | 15.3 | 49.9 | 74.0 | -24.1 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 36 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 35.6 | 13.6 | 49.2 | 88.2 | -39.0 | Peak | Horizontal |
| * | 7919.0 | 34.6 | 15.1 | 49.7 | 88.2 | -38.5 | Peak | Horizontal |
|   | 8429.0 | 34.9 | 14.6 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
|   | 9381.0 | 32.8 | 15.3 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| * | 7188.0 | 36.8 | 13.6 | 50.4 | 88.2 | -37.8 | Peak | Vertical |
| * | 7825.5 | 34.5 | 15.1 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
|   | 8276.0 | 33.3 | 14.3 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
|   | 9347.0 | 32.9 | 15.4 | 48.3 | 74.0 | -25.7 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 44 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7154.0 | 34.7 | 13.6 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
| * | 7893.5 | 34.2 | 15.0 | 49.2 | 88.2 | -39.0 | Peak | Horizontal |
| | 8437.5 | 34.3 | 14.6 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| | 9160.0 | 34.6 | 15.3 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 7188.0 | 36.4 | 13.6 | 50.0 | 88.2 | -38.2 | Peak | Vertical |
| * | 7876.5 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Vertical |
| | 8403.5 | 33.1 | 14.5 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
| | 9075.0 | 34.0 | 14.5 | 48.5 | 74.0 | -25.5 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 48 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br><br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 34.4 | 13.5 | 47.9 | 88.2 | -40.3 | Peak | Horizontal |
| * | 7791.5 | 32.8 | 15.0 | 47.8 | 88.2 | -40.4 | Peak | Horizontal |
|  | 8301.5 | 33.2 | 14.3 | 47.5 | 74.0 | -26.5 | Peak | Horizontal |
|  | 9100.5 | 33.7 | 14.6 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 7086.0 | 34.9 | 13.3 | 48.2 | 88.2 | -40.0 | Peak | Vertical |
| * | 7783.0 | 32.8 | 15.0 | 47.8 | 88.2 | -40.4 | Peak | Vertical |
|  | 8352.5 | 33.0 | 14.4 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
|  | 9041.0 | 33.6 | 14.5 | 48.1 | 74.0 | -25.9 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 52 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7120.0 | 35.0 | 13.4 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| * | 7842.5 | 34.0 | 15.1 | 49.1 | 88.2 | -39.1 | Peak | Horizontal |
| | 8250.5 | 33.2 | 14.4 | 47.6 | 74.0 | -26.4 | Peak | Horizontal |
| | 9389.5 | 33.2 | 15.4 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 7239.0 | 36.0 | 13.8 | 49.8 | 88.2 | -38.4 | Peak | Vertical |
| * | 7783.0 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Vertical |
| | 8454.5 | 32.9 | 14.5 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| | 9109.0 | 34.3 | 14.7 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7222.0 | 35.5 | 13.7 | 49.2 | 88.2 | -39.0 | Peak | Horizontal |
| * | 7868.0 | 32.7 | 15.0 | 47.7 | 88.2 | -40.5 | Peak | Horizontal |
| | 8463.0 | 32.7 | 14.5 | 47.2 | 74.0 | -26.8 | Peak | Horizontal |
| | 9134.5 | 33.9 | 15.1 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 7188.0 | 36.1 | 13.6 | 49.7 | 88.2 | -38.5 | Peak | Vertical |
| * | 7885.0 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Vertical |
| | 8310.0 | 33.5 | 14.4 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 9032.5 | 34.0 | 14.5 | 48.5 | 74.0 | -25.5 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7154.0 | 35.2 | 13.6 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
| * | 7970.0 | 32.8 | 15.0 | 47.8 | 88.2 | -40.4 | Peak | Horizontal |
| | 8386.5 | 33.7 | 14.4 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| | 9015.5 | 34.4 | 14.5 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 7154.0 | 36.8 | 13.6 | 50.4 | 88.2 | -37.8 | Peak | Vertical |
| * | 7706.5 | 34.2 | 14.5 | 48.7 | 88.2 | -39.5 | Peak | Vertical |
| | 8352.5 | 33.2 | 14.4 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
| | 9398.0 | 33.8 | 15.4 | 49.2 | 74.0 | -24.8 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7196.5 | 36.2 | 13.6 | 49.8 | 88.2 | -38.4 | Peak | Horizontal |
| * | 7766.0 | 34.8 | 14.8 | 49.6 | 88.2 | -38.6 | Peak | Horizontal |
|  | 8437.5 | 34.7 | 14.6 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
|  | 9466.0 | 34.3 | 15.4 | 49.7 | 74.0 | -24.3 | Peak | Horizontal |
| * | 7239.0 | 36.5 | 13.8 | 50.3 | 88.2 | -37.9 | Peak | Vertical |
| * | 7987.0 | 33.0 | 15.0 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
|  | 8369.5 | 33.9 | 14.4 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
|  | 9143.0 | 34.2 | 15.2 | 49.4 | 74.0 | -24.6 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7230.5 | 36.0 | 13.8 | 49.8 | 88.2 | -38.4 | Peak | Horizontal |
| * | 7987.0 | 33.0 | 15.0 | 48.0 | 88.2 | -40.2 | Peak | Horizontal |
| | 8463.0 | 33.4 | 14.5 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| | 9466.0 | 34.6 | 15.4 | 50.0 | 74.0 | -24.0 | Peak | Horizontal |
| * | 7222.0 | 35.8 | 13.7 | 49.5 | 88.2 | -38.7 | Peak | Vertical |
| * | 7876.5 | 33.0 | 15.0 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
| | 8403.5 | 33.4 | 14.5 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 9041.0 | 34.8 | 14.5 | 49.3 | 74.0 | -24.7 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7196.5 | 36.0 | 13.6 | 49.6 | 88.2 | -38.6 | Peak | Horizontal |
| * | 7851.0 | 34.2 | 15.1 | 49.3 | 88.2 | -38.9 | Peak | Horizontal |
|  | 8276.0 | 33.7 | 14.3 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
|  | 9092.0 | 33.7 | 14.6 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 7222.0 | 35.9 | 13.7 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| * | 7842.5 | 33.6 | 15.1 | 48.7 | 88.2 | -39.5 | Peak | Vertical |
|  | 8471.5 | 33.7 | 14.6 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
|  | 9134.5 | 34.5 | 15.1 | 49.6 | 74.0 | -24.4 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 149 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7247.5 | 36.9 | 13.8 | 50.7 | 88.2 | -37.5 | Peak | Horizontal |
| * | 7808.5 | 33.9 | 15.0 | 48.9 | 88.2 | -39.3 | Peak | Horizontal |
|  | 8386.5 | 34.0 | 14.4 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
|  | 9041.0 | 35.0 | 14.5 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| * | 7179.5 | 36.3 | 13.6 | 49.9 | 88.2 | -38.3 | Peak | Vertical |
| * | 7774.5 | 33.2 | 14.9 | 48.1 | 88.2 | -40.1 | Peak | Vertical |
|  | 8386.5 | 33.0 | 14.4 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
|  | 9092.0 | 34.0 | 14.6 | 48.6 | 74.0 | -25.4 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 157 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7128.5 | 35.2 | 13.5 | 48.7 | 88.2 | -39.5 | Peak | Horizontal |
| * | 7851.0 | 33.8 | 15.1 | 48.9 | 88.2 | -39.3 | Peak | Horizontal |
| | 8352.5 | 33.5 | 14.4 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| | 9092.0 | 34.1 | 14.6 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 7188.0 | 35.9 | 13.6 | 49.5 | 88.2 | -38.7 | Peak | Vertical |
| * | 7851.0 | 34.1 | 15.1 | 49.2 | 88.2 | -39.0 | Peak | Vertical |
| | 8310.0 | 33.1 | 14.4 | 47.5 | 74.0 | -26.5 | Peak | Vertical |
| | 9151.5 | 34.5 | 15.3 | 49.8 | 74.0 | -24.2 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 165 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7179.5 | 35.3 | 13.6 | 48.9 | 88.2 | -39.3 | Peak | Horizontal |
| * | 7842.5 | 33.2 | 15.1 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
|   | 8174.0 | 33.5 | 14.8 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
|   | 9092.0 | 34.2 | 14.6 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 7179.5 | 35.4 | 13.6 | 49.0 | 88.2 | -39.2 | Peak | Vertical |
| * | 7774.5 | 33.2 | 14.9 | 48.1 | 88.2 | -40.1 | Peak | Vertical |
|   | 8369.5 | 33.5 | 14.4 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
|   | 9100.5 | 33.4 | 14.6 | 48.0 | 74.0 | -26.0 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 38 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7120.0 | 35.1 | 13.4 | 48.5 | 88.2 | -39.7 | Peak | Horizontal |
| * | 7910.5 | 33.2 | 15.0 | 48.2 | 88.2 | -40.0 | Peak | Horizontal |
|  | 8242.0 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
|  | 9049.5 | 34.8 | 14.5 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| * | 7196.5 | 36.4 | 13.6 | 50.0 | 88.2 | -38.2 | Peak | Vertical |
| * | 7842.5 | 34.3 | 15.1 | 49.4 | 88.2 | -38.8 | Peak | Vertical |
|  | 8310.0 | 34.2 | 14.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
|  | 9058.0 | 35.2 | 14.5 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 46 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 37.0 | 13.6 | 50.6 | 88.2 | -37.6 | Peak | Horizontal |
| * | 7808.5 | 34.7 | 15.0 | 49.7 | 88.2 | -38.5 | Peak | Horizontal |
|  | 8225.0 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
|  | 9338.5 | 33.9 | 15.4 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| * | 7145.5 | 35.0 | 13.5 | 48.5 | 88.2 | -39.7 | Peak | Vertical |
| * | 7953.0 | 32.9 | 15.1 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
|  | 8480.0 | 34.4 | 14.6 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
|  | 9338.5 | 33.4 | 15.4 | 48.8 | 74.0 | -25.2 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 54 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 36.0 | 13.6 | 49.6 | 88.2 | -38.6 | Peak | Horizontal |
| * | 7970.0 | 32.9 | 15.0 | 47.9 | 88.2 | -40.3 | Peak | Horizontal |
|   | 8276.0 | 34.1 | 14.3 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
|   | 9304.5 | 34.9 | 15.4 | 50.3 | 74.0 | -23.7 | Peak | Horizontal |
| * | 7043.5 | 34.5 | 13.1 | 47.6 | 88.2 | -40.6 | Peak | Vertical |
| * | 7808.5 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
|   | 8216.5 | 33.9 | 14.6 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
|   | 9321.5 | 34.7 | 15.4 | 50.1 | 74.0 | -23.9 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 62 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7128.5 | 33.7 | 13.5 | 47.2 | 88.2 | -41.0 | Peak | Horizontal |
| * | 7919.0 | 33.2 | 15.1 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
|  | 8174.0 | 34.0 | 14.8 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
|  | 9032.5 | 34.1 | 14.5 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 7188.0 | 36.1 | 13.6 | 49.7 | 88.2 | -38.5 | Peak | Vertical |
| * | 7851.0 | 33.7 | 15.1 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
|  | 8174.0 | 34.1 | 14.8 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
|  | 9134.5 | 33.1 | 15.1 | 48.2 | 74.0 | -25.8 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 102 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7230.5 | 35.9 | 13.8 | 49.7 | 88.2 | -38.5 | Peak | Horizontal |
| * | 7953.0 | 33.4 | 15.1 | 48.5 | 88.2 | -39.7 | Peak | Horizontal |
| | 8284.5 | 34.2 | 14.3 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 9389.5 | 34.4 | 15.4 | 49.8 | 74.0 | -24.2 | Peak | Horizontal |
| * | 7145.5 | 35.9 | 13.5 | 49.4 | 88.2 | -38.8 | Peak | Vertical |
| * | 7842.5 | 33.6 | 15.1 | 48.7 | 88.2 | -39.5 | Peak | Vertical |
| | 8318.5 | 33.9 | 14.4 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| | 9100.5 | 33.8 | 14.6 | 48.4 | 74.0 | -25.6 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 118 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7009.5 | 35.9 | 12.8 | 48.7 | 88.2 | -39.5 | Peak | Horizontal |
| * | 7808.5 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
| | 8131.5 | 33.6 | 15.0 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| | 9415.0 | 33.9 | 15.5 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
| * | 7179.5 | 35.2 | 13.6 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
| * | 7825.5 | 33.3 | 15.1 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
| | 8284.5 | 33.7 | 14.3 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| | 9058.0 | 34.3 | 14.5 | 48.8 | 74.0 | -25.2 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 134 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7137.0 | 34.5 | 13.5 | 48.0 | 88.2 | -40.2 | Peak | Horizontal |
| * | 7842.5 | 33.5 | 15.1 | 48.6 | 88.2 | -39.6 | Peak | Horizontal |
| | 8131.5 | 34.0 | 15.0 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 9151.5 | 35.5 | 15.3 | 50.8 | 74.0 | -23.2 | Peak | Horizontal |
| * | 7213.5 | 35.9 | 13.7 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| * | 7851.0 | 33.5 | 15.1 | 48.6 | 88.2 | -39.6 | Peak | Vertical |
| | 8174.0 | 34.6 | 14.8 | 49.4 | 74.0 | -24.6 | Peak | Vertical |
| | 9041.0 | 36.4 | 14.5 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT40 | | Test Site: | AC1 |
|---|---|---|---|---|
| Test Channel: | 151 | | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7128.5 | 34.9 | 13.5 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| * | 7851.0 | 33.3 | 15.1 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| | 9049.5 | 33.7 | 14.5 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| | 9449.0 | 34.4 | 15.5 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 7171.0 | 34.3 | 13.6 | 47.9 | 88.2 | -40.3 | Peak | Vertical |
| * | 7808.5 | 33.9 | 15.0 | 48.9 | 88.2 | -39.3 | Peak | Vertical |
| | 8199.5 | 34.0 | 14.6 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| | 9304.5 | 35.0 | 15.4 | 50.4 | 74.0 | -23.6 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11n-HT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 159 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7196.5 | 36.7 | 13.6 | 50.3 | 88.2 | -37.9 | Peak | Horizontal |
| * | 7885.0 | 34.0 | 15.0 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
|   | 8412.0 | 34.1 | 14.5 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
|   | 9109.0 | 34.8 | 14.7 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| * | 7179.5 | 35.0 | 13.6 | 48.6 | 88.2 | -39.6 | Peak | Vertical |
| * | 7842.5 | 34.2 | 15.1 | 49.3 | 88.2 | -38.9 | Peak | Vertical |
|   | 8165.5 | 34.2 | 14.8 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
|   | 9092.0 | 35.0 | 14.6 | 49.6 | 74.0 | -24.4 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 36 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7222.0 | 36.2 | 13.7 | 49.9 | 88.2 | -38.3 | Peak | Horizontal |
| * | 7902.0 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| | 8250.5 | 33.1 | 14.4 | 47.5 | 74.0 | -26.5 | Peak | Horizontal |
| | 9134.5 | 33.8 | 15.1 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 7222.0 | 35.8 | 13.7 | 49.5 | 88.2 | -38.7 | Peak | Vertical |
| * | 7842.5 | 33.7 | 15.1 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
| | 8463.0 | 32.9 | 14.5 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| | 9134.5 | 33.6 | 15.1 | 48.7 | 74.0 | -25.3 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 44 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7077.5 | 35.4 | 13.2 | 48.6 | 88.2 | -39.6 | Peak | Horizontal |
| * | 7953.0 | 32.7 | 15.1 | 47.8 | 88.2 | -40.4 | Peak | Horizontal |
|  | 8463.0 | 33.6 | 14.5 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
|  | 9015.5 | 34.8 | 14.5 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| * | 7086.0 | 35.6 | 13.3 | 48.9 | 88.2 | -39.3 | Peak | Vertical |
| * | 7910.5 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Vertical |
|  | 8199.5 | 33.8 | 14.6 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
|  | 9160.0 | 35.9 | 15.3 | 51.2 | 74.0 | -22.8 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 48 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 35.6 | 13.6 | 49.2 | 88.2 | -39.0 | Peak | Horizontal |
| * | 7774.5 | 33.7 | 14.9 | 48.6 | 88.2 | -39.6 | Peak | Horizontal |
|  | 8293.0 | 33.8 | 14.3 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
|  | 9185.5 | 34.2 | 15.3 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| * | 7196.5 | 36.3 | 13.6 | 49.9 | 88.2 | -38.3 | Peak | Vertical |
| * | 7834.0 | 33.2 | 15.1 | 48.3 | 88.2 | -39.9 | Peak | Vertical |
|  | 8208.0 | 33.9 | 14.6 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
|  | 9381.0 | 33.4 | 15.3 | 48.7 | 74.0 | -25.3 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
| --- | --- | --- | --- |
| Test Channel: | 52 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * | 7188.0 | 36.5 | 13.6 | 50.1 | 88.2 | -38.1 | Peak | Horizontal |
| * | 7876.5 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Horizontal |
|  | 8361.0 | 32.8 | 14.4 | 47.2 | 74.0 | -26.8 | Peak | Horizontal |
|  | 9134.5 | 33.5 | 15.1 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 7145.5 | 35.3 | 13.5 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
| * | 7893.5 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Vertical |
|  | 8250.5 | 34.2 | 14.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
|  | 9355.5 | 34.3 | 15.4 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 60 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7009.5 | 35.2 | 12.8 | 48.0 | 88.2 | -40.2 | Peak | Horizontal |
| * | 7851.0 | 33.3 | 15.1 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
|  | 8199.5 | 33.2 | 14.6 | 47.8 | 74.0 | -26.2 | Peak | Horizontal |
|  | 9058.0 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 7137.0 | 34.2 | 13.5 | 47.7 | 88.2 | -40.5 | Peak | Vertical |
| * | 7808.5 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
|  | 8148.5 | 33.4 | 14.9 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
|  | 9304.5 | 34.4 | 15.4 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 64 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 36.2 | 13.6 | 49.8 | 88.2 | -38.4 | Peak | Horizontal |
| * | 7927.5 | 33.5 | 15.1 | 48.6 | 88.2 | -39.6 | Peak | Horizontal |
| | 8089.0 | 33.2 | 15.1 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| | 9092.0 | 33.6 | 14.6 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 7128.5 | 34.5 | 13.5 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
| * | 7876.5 | 34.1 | 15.0 | 49.1 | 88.2 | -39.1 | Peak | Vertical |
| | 8386.5 | 34.5 | 14.4 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| | 9126.0 | 34.5 | 15.0 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 100 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7120.0 | 34.9 | 13.4 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
| * | 7987.0 | 32.9 | 15.0 | 47.9 | 88.2 | -40.3 | Peak | Horizontal |
| | 8327.0 | 33.9 | 14.5 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| | 9092.0 | 33.6 | 14.6 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 7239.0 | 35.3 | 13.8 | 49.1 | 88.2 | -39.1 | Peak | Vertical |
| * | 7902.0 | 32.8 | 15.0 | 47.8 | 88.2 | -40.4 | Peak | Vertical |
| | 8454.5 | 32.8 | 14.5 | 47.3 | 74.0 | -26.7 | Peak | Vertical |
| | 9092.0 | 34.2 | 14.6 | 48.8 | 74.0 | -25.2 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 120 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7035.0 | 35.1 | 13.0 | 48.1 | 88.2 | -40.1 | Peak | Horizontal |
| * | 7774.5 | 34.4 | 14.9 | 49.3 | 88.2 | -38.9 | Peak | Horizontal |
| | 8233.5 | 34.8 | 14.5 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| | 9474.5 | 34.5 | 15.4 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 7222.0 | 35.9 | 13.7 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| * | 7978.5 | 32.5 | 15.0 | 47.5 | 88.2 | -40.7 | Peak | Vertical |
| | 8250.5 | 33.4 | 14.4 | 47.8 | 74.0 | -26.2 | Peak | Vertical |
| | 9423.5 | 33.4 | 15.5 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 140 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. | | |
| | 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7205.0 | 34.7 | 13.6 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
| * | 7876.5 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| | 8429.0 | 34.1 | 14.6 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| | 9364.0 | 33.1 | 15.3 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 7171.0 | 34.2 | 13.6 | 47.8 | 88.2 | -40.4 | Peak | Vertical |
| * | 7774.5 | 34.2 | 14.9 | 49.1 | 88.2 | -39.1 | Peak | Vertical |
| | 8233.5 | 33.9 | 14.5 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| | 9015.5 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 144 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7222.0 | 36.4 | 13.7 | 50.1 | 88.2 | -38.1 | Peak | Horizontal |
| * | 7910.5 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| | 8284.5 | 34.2 | 14.3 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 9092.0 | 34.3 | 14.6 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 7145.5 | 35.0 | 13.5 | 48.5 | 88.2 | -39.7 | Peak | Vertical |
| * | 7987.0 | 32.9 | 15.0 | 47.9 | 88.2 | -40.3 | Peak | Vertical |
| | 9109.0 | 35.2 | 14.7 | 49.9 | 74.0 | -24.1 | Peak | Vertical |
| | 9338.5 | 34.2 | 15.4 | 49.6 | 74.0 | -24.4 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 149 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7247.5 | 35.6 | 13.8 | 49.4 | 88.2 | -38.8 | Peak | Horizontal |
| * | 7774.5 | 33.8 | 14.9 | 48.7 | 88.2 | -39.5 | Peak | Horizontal |
| | 8242.0 | 33.9 | 14.5 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| | 9066.5 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 7137.0 | 33.4 | 13.5 | 46.9 | 88.2 | -41.3 | Peak | Vertical |
| * | 8021.0 | 32.4 | 15.1 | 47.5 | 88.2 | -40.7 | Peak | Vertical |
| | 8361.0 | 33.0 | 14.4 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| | 9041.0 | 33.8 | 14.5 | 48.3 | 74.0 | -25.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 157 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7154.0 | 34.6 | 13.6 | 48.2 | 88.2 | -40.0 | Peak | Horizontal |
| * | 7893.5 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
|   | 8386.5 | 34.0 | 14.4 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
|   | 9177.0 | 34.5 | 15.3 | 49.8 | 74.0 | -24.2 | Peak | Horizontal |
| * | 7009.5 | 33.9 | 12.8 | 46.7 | 88.2 | -41.5 | Peak | Vertical |
| * | 7953.0 | 32.7 | 15.1 | 47.8 | 88.2 | -40.4 | Peak | Vertical |
|   | 8233.5 | 33.6 | 14.5 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
|   | 9134.5 | 33.8 | 15.1 | 48.9 | 74.0 | -25.1 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT20 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 165 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7137.0 | 35.4 | 13.5 | 48.9 | 88.2 | -39.3 | Peak | Horizontal |
| * | 7876.5 | 32.9 | 15.0 | 47.9 | 88.2 | -40.3 | Peak | Horizontal |
| | 8242.0 | 33.1 | 14.5 | 47.6 | 74.0 | -26.4 | Peak | Horizontal |
| | 9185.5 | 33.9 | 15.3 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 7145.5 | 35.1 | 13.5 | 48.6 | 88.2 | -39.6 | Peak | Vertical |
| * | 8021.0 | 32.8 | 15.1 | 47.9 | 88.2 | -40.3 | Peak | Vertical |
| | 8386.5 | 33.3 | 14.4 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
| | 9049.5 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 38 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7205.0 | 34.8 | 13.6 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
| * | 7868.0 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
| | 8429.0 | 33.4 | 14.6 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| | 9381.0 | 34.7 | 15.3 | 50.0 | 74.0 | -24.0 | Peak | Horizontal |
| * | 7188.0 | 35.5 | 13.6 | 49.1 | 88.2 | -39.1 | Peak | Vertical |
| * | 7859.5 | 33.6 | 15.1 | 48.7 | 88.2 | -39.5 | Peak | Vertical |
| | 8378.0 | 33.9 | 14.4 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| | 9177.0 | 35.2 | 15.3 | 50.5 | 74.0 | -23.5 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 46 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7171.0 | 34.4 | 13.6 | 48.0 | 88.2 | -40.2 | Peak | Horizontal |
| * | 7842.5 | 33.8 | 15.1 | 48.9 | 88.2 | -39.3 | Peak | Horizontal |
| | 8140.0 | 34.1 | 15.0 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| | 9406.5 | 33.8 | 15.4 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 7052.0 | 34.2 | 13.1 | 47.3 | 88.2 | -40.9 | Peak | Vertical |
| * | 7885.0 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
| | 8259.0 | 33.5 | 14.4 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 9151.5 | 35.1 | 15.3 | 50.4 | 74.0 | -23.6 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 54 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7094.5 | 35.2 | 13.3 | 48.5 | 88.2 | -39.7 | Peak | Horizontal |
| * | 7774.5 | 34.4 | 14.9 | 49.3 | 88.2 | -38.9 | Peak | Horizontal |
| | 8250.5 | 34.8 | 14.4 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| | 9109.0 | 35.9 | 14.7 | 50.6 | 74.0 | -23.4 | Peak | Horizontal |
| * | 7205.0 | 36.1 | 13.6 | 49.7 | 88.2 | -38.5 | Peak | Vertical |
| * | 7766.0 | 34.6 | 14.8 | 49.4 | 88.2 | -38.8 | Peak | Vertical |
| | 8259.0 | 33.5 | 14.4 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 9092.0 | 34.7 | 14.6 | 49.3 | 74.0 | -24.7 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 62 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.6 | 13.5 | 49.1 | 88.2 | -39.1 | Peak | Horizontal |
| * | 7808.5 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
| | 8335.5 | 33.4 | 14.5 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| | 9049.5 | 36.2 | 14.5 | 50.7 | 74.0 | -23.3 | Peak | Horizontal |
| * | 7179.5 | 35.3 | 13.6 | 48.9 | 88.2 | -39.3 | Peak | Vertical |
| * | 7995.5 | 33.5 | 15.0 | 48.5 | 88.2 | -39.7 | Peak | Vertical |
| | 8310.0 | 33.3 | 14.4 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
| | 9177.0 | 34.5 | 15.3 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 102 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 35.4 | 13.6 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
| * | 7910.5 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Horizontal |
|  | 8310.0 | 34.0 | 14.4 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
|  | 9143.0 | 34.3 | 15.2 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| * | 7077.5 | 34.0 | 13.2 | 47.2 | 88.2 | -41.0 | Peak | Vertical |
| * | 7800.0 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
|  | 8123.0 | 33.3 | 15.0 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
|  | 9092.0 | 34.4 | 14.6 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 118 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 36.0 | 13.5 | 49.5 | 88.2 | -38.7 | Peak | Horizontal |
| * | 7766.0 | 34.2 | 14.8 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
|  | 8165.5 | 33.4 | 14.8 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
|  | 9185.5 | 35.1 | 15.3 | 50.4 | 74.0 | -23.6 | Peak | Horizontal |
| * | 7230.5 | 35.8 | 13.8 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| * | 7851.0 | 34.1 | 15.1 | 49.2 | 88.2 | -39.0 | Peak | Vertical |
|  | 8480.0 | 33.9 | 14.6 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
|  | 9083.5 | 34.9 | 14.6 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 134 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7188.0 | 36.0 | 13.6 | 49.6 | 88.2 | -38.6 | Peak | Horizontal |
| * | 7876.5 | 34.0 | 15.0 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
|  | 8386.5 | 33.8 | 14.4 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
|  | 9143.0 | 34.0 | 15.2 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 7154.0 | 34.8 | 13.6 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
| * | 7944.5 | 33.9 | 15.1 | 49.0 | 88.2 | -39.2 | Peak | Vertical |
|  | 8378.0 | 34.2 | 14.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
|  | 9151.5 | 35.0 | 15.3 | 50.3 | 74.0 | -23.7 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 142 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7230.5 | 36.5 | 13.8 | 50.3 | 88.2 | -37.9 | Peak | Horizontal |
| * | 7766.0 | 34.3 | 14.8 | 49.1 | 88.2 | -39.1 | Peak | Horizontal |
|  | 8267.5 | 34.6 | 14.4 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
|  | 9151.5 | 34.6 | 15.3 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 7077.5 | 34.4 | 13.2 | 47.6 | 88.2 | -40.6 | Peak | Vertical |
| * | 7995.5 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
|  | 8276.0 | 34.0 | 14.3 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
|  | 9092.0 | 35.1 | 14.6 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 151 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. <br> 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7171.0 | 35.7 | 13.6 | 49.3 | 88.2 | -38.9 | Peak | Horizontal |
| * | 7910.5 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
| | 8199.5 | 35.9 | 14.6 | 50.5 | 74.0 | -23.5 | Peak | Horizontal |
| | 9134.5 | 33.5 | 15.1 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 7222.0 | 36.7 | 13.7 | 50.4 | 88.2 | -37.8 | Peak | Vertical |
| * | 7902.0 | 34.2 | 15.0 | 49.2 | 88.2 | -39.0 | Peak | Vertical |
| | 8199.5 | 33.7 | 14.6 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| | 9024.0 | 35.1 | 14.5 | 49.6 | 74.0 | -24.4 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT40 | | Test Site: | AC1 |
|---|---|---|---|---|
| Test Channel: | 159 | | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7222.0 | 36.7 | 13.7 | 50.4 | 88.2 | -37.8 | Peak | Horizontal |
| * | 7757.5 | 34.3 | 14.8 | 49.1 | 88.2 | -39.1 | Peak | Horizontal |
| | 8080.5 | 35.1 | 15.2 | 50.3 | 74.0 | -23.7 | Peak | Horizontal |
| | 9423.5 | 34.6 | 15.5 | 50.1 | 74.0 | -23.9 | Peak | Horizontal |
| * | 7111.5 | 34.6 | 13.4 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
| * | 7936.0 | 34.9 | 15.1 | 50.0 | 88.2 | -38.2 | Peak | Vertical |
| | 8208.0 | 34.3 | 14.6 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| | 9032.5 | 34.2 | 14.5 | 48.7 | 74.0 | -25.3 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT80 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 42 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7145.5 | 35.3 | 13.5 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
| * | 7842.5 | 33.7 | 15.1 | 48.8 | 88.2 | -39.4 | Peak | Horizontal |
|  | 8369.5 | 34.0 | 14.4 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
|  | 9423.5 | 33.9 | 15.5 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
| * | 7196.5 | 35.7 | 13.6 | 49.3 | 88.2 | -38.9 | Peak | Vertical |
| * | 7808.5 | 33.8 | 15.0 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
|  | 8131.5 | 34.7 | 15.0 | 49.7 | 74.0 | -24.3 | Peak | Vertical |
|  | 9160.0 | 35.0 | 15.3 | 50.3 | 74.0 | -23.7 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT80 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 58 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7111.5 | 35.6 | 13.4 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
| * | 7808.5 | 34.0 | 15.0 | 49.0 | 88.2 | -39.2 | Peak | Horizontal |
| | 8089.0 | 34.0 | 15.1 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| | 9134.5 | 34.0 | 15.1 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| * | 7111.5 | 35.2 | 13.4 | 48.6 | 88.2 | -39.6 | Peak | Vertical |
| * | 7893.5 | 34.6 | 15.0 | 49.6 | 88.2 | -38.6 | Peak | Vertical |
| | 8429.0 | 33.7 | 14.6 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| | 9151.5 | 35.2 | 15.3 | 50.5 | 74.0 | -23.5 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT80 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 106 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7137.0 | 34.8 | 13.5 | 48.3 | 88.2 | -39.9 | Peak | Horizontal |
| * | 7842.5 | 34.6 | 15.1 | 49.7 | 88.2 | -38.5 | Peak | Horizontal |
|  | 8080.5 | 34.3 | 15.2 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
|  | 8250.5 | 34.6 | 14.4 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 7188.0 | 35.7 | 13.6 | 49.3 | 88.2 | -38.9 | Peak | Vertical |
| * | 7987.0 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
|  | 8276.0 | 33.3 | 14.3 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
|  | 9491.5 | 34.1 | 15.4 | 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 of 68.2dBµV/m.

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

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

| Test Mode: | 802.11ac-VHT80 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 122 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7222.0 | 36.9 | 13.7 | 50.6 | 88.2 | -37.6 | Peak | Horizontal |
| * | 7757.5 | 33.7 | 14.8 | 48.5 | 88.2 | -39.7 | Peak | Horizontal |
| | 8403.5 | 33.8 | 14.5 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| | 9066.5 | 34.5 | 14.5 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 7188.0 | 35.2 | 13.6 | 48.8 | 88.2 | -39.4 | Peak | Vertical |
| * | 7953.0 | 34.3 | 15.1 | 49.4 | 88.2 | -38.8 | Peak | Vertical |
| | 8318.5 | 34.4 | 14.4 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| | 9134.5 | 33.7 | 15.1 | 48.8 | 74.0 | -25.2 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT80 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 138 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

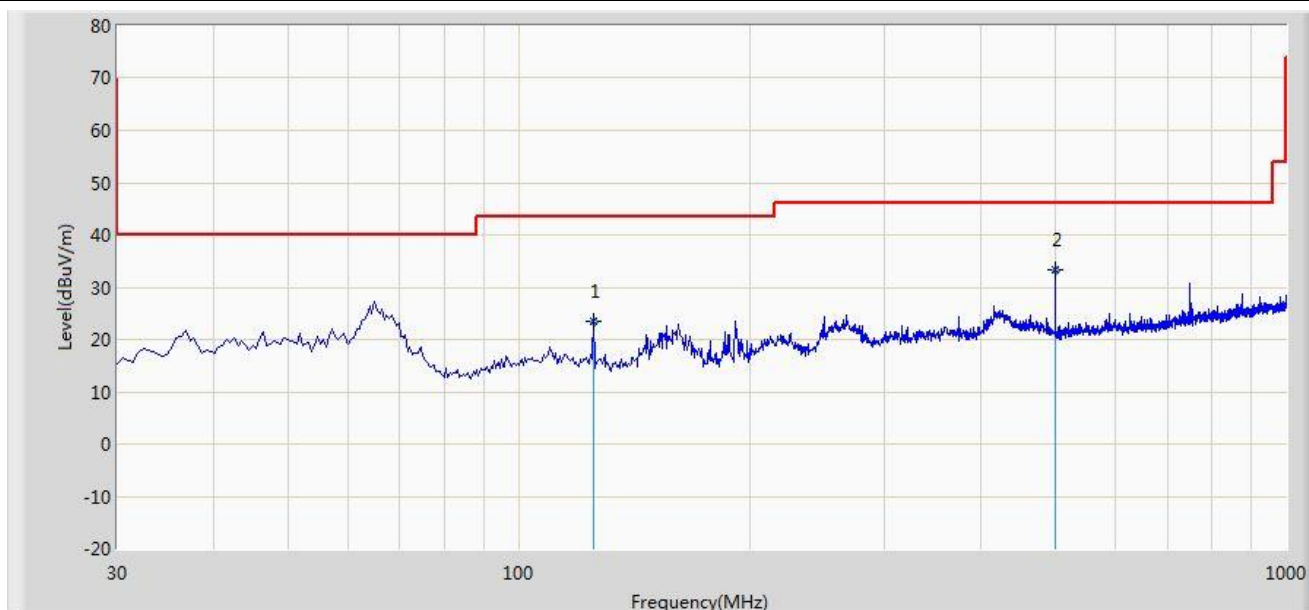| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7196.5 | 35.9 | 13.6 | 49.5 | 88.2 | -38.7 | Peak | Horizontal |
| * | 7774.5 | 33.8 | 14.9 | 48.7 | 88.2 | -39.5 | Peak | Horizontal |
| | 8480.0 | 33.9 | 14.6 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| | 9185.5 | 34.6 | 15.3 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 7205.0 | 36.5 | 13.6 | 50.1 | 88.2 | -38.1 | Peak | Vertical |
| * | 7808.5 | 33.3 | 15.0 | 48.3 | 88.2 | -39.9 | Peak | Vertical |
| | 8182.5 | 35.4 | 14.7 | 50.1 | 74.0 | -23.9 | Peak | Vertical |
| | 9100.5 | 34.5 | 14.6 | 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 of 68.2dBμV/m.

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

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

| Test Mode: | 802.11ac-VHT80 | Test Site: | AC1 |
|---|---|---|---|
| Test Channel: | 155 | Test Engineer: | Roy Cheng |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 7137.0 | 35.2 | 13.5 | 48.7 | 88.2 | -39.5 | Peak | Horizontal |
| * | 7876.5 | 33.1 | 15.0 | 48.1 | 88.2 | -40.1 | Peak | Horizontal |
| | 8386.5 | 34.3 | 14.4 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| | 9177.0 | 35.1 | 15.3 | 50.4 | 74.0 | -23.6 | Peak | Horizontal |
| * | 7137.0 | 34.5 | 13.5 | 48.0 | 88.2 | -40.2 | Peak | Vertical |
| * | 7800.0 | 33.4 | 15.0 | 48.4 | 88.2 | -39.8 | Peak | Vertical |
| | 8259.0 | 33.6 | 14.4 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| | 9151.5 | 35.0 | 15.3 | 50.3 | 74.0 | -23.7 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/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 of 68.2dBµV/m.

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

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

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

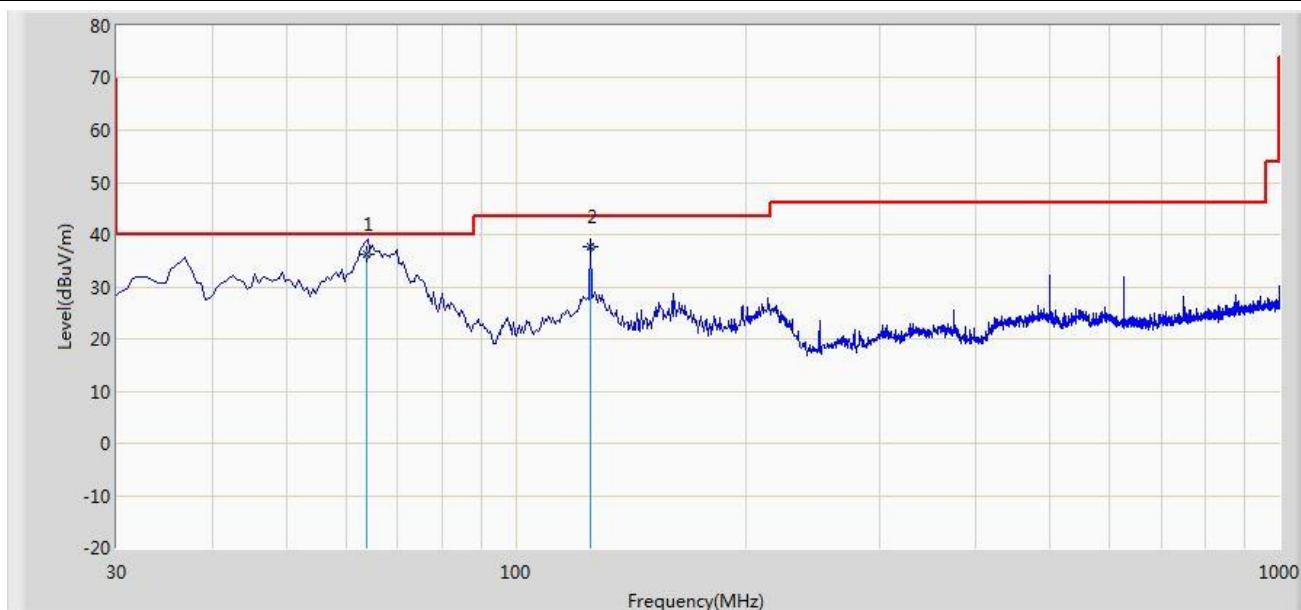| | |
|---|---|
| Engineer: Milo Li | |
| Site: AC1 | Time: 2014/09/22 - 15:55 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: VULB9162_0.03-8GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5220MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 125.001 | 23.477 | 11.925 | -20.023 | 43.500 | 11.552 | QP |
| 2 | | * | 499.985 | 33.399 | 15.060 | -12.601 | 46.000 | 18.339 | QP |

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

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

| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/22 - 15:55 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: VULB9162_0.03-8GHz | Polarity: Vertical |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5220MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 63.897 | 36.331 | 22.140 | -3.669 | 40.000 | 14.191 | QP |
| 2 | | | 125.040 | 37.566 | 26.020 | -5.934 | 43.500 | 11.546 | QP |

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

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

| Engineer: Roy Cheng | |
|---|---|
| Site: AC1 | Time: 2014/09/20 - 19:18 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: FMZB1519_0.009-30MHz | Polarity: Face on |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |

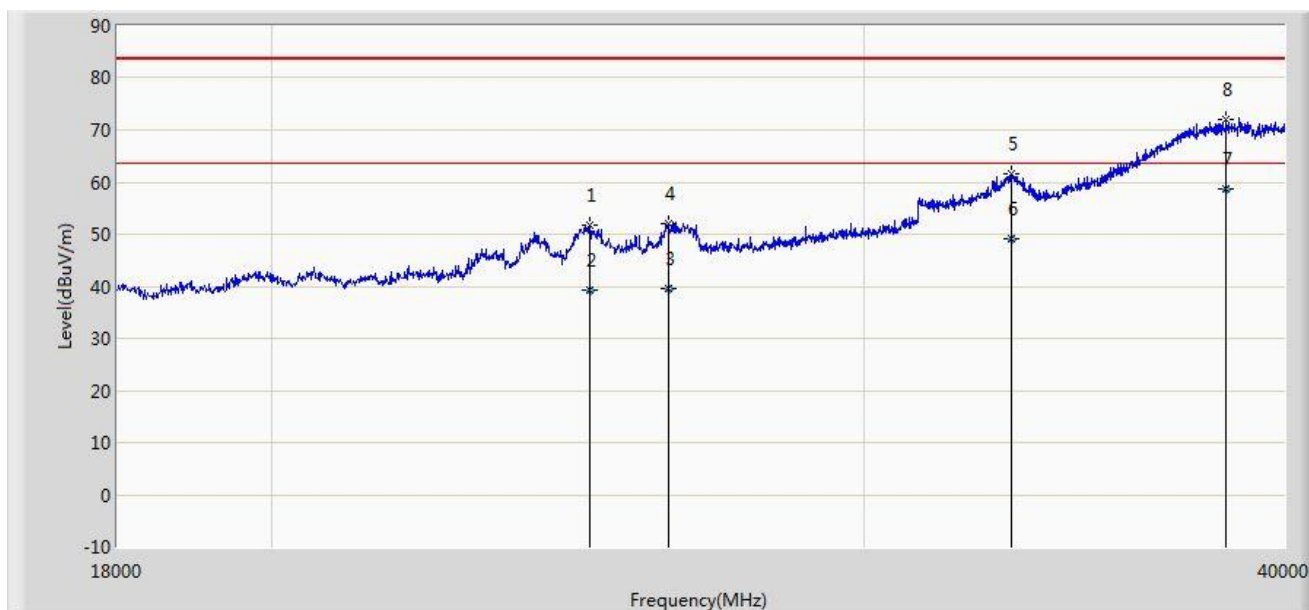**Note: There is the ambient noise within frequency range 9kHz~30MHz.**
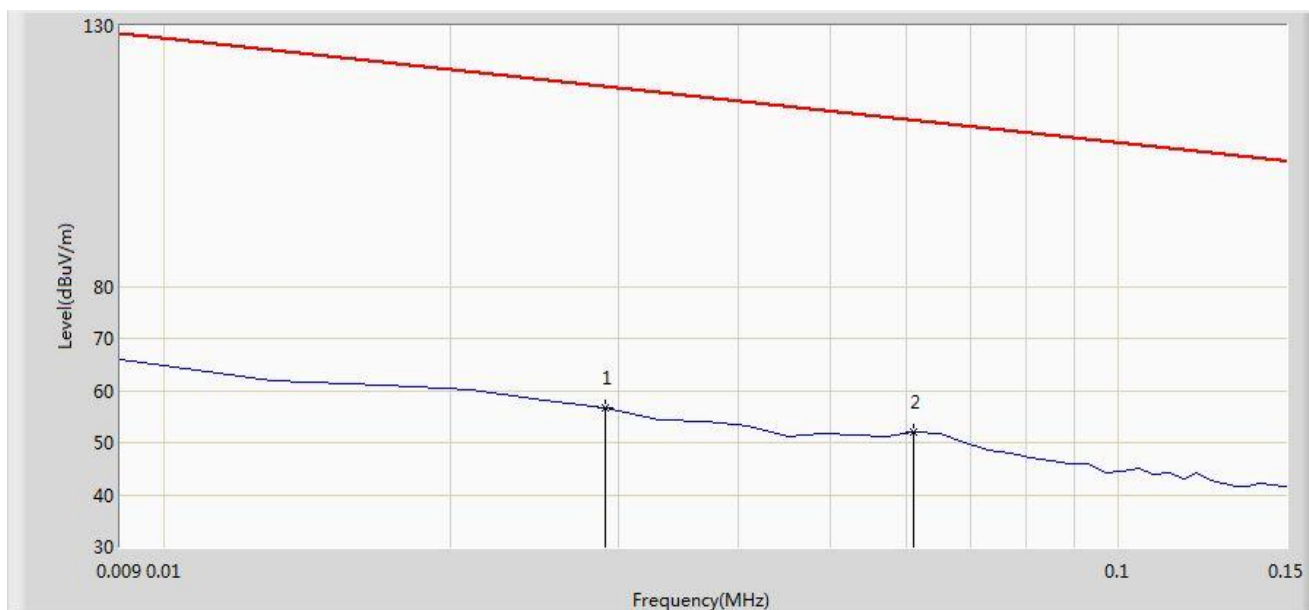


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 0.029 | 56.610 | 35.660 | -61.732 | 118.342 | 21.049 | QP |
| 2 | | * | 0.061 | 51.899 | 31.588 | -59.988 | 111.887 | 20.311 | QP |

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

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

| Engineer: Roy Cheng | |
|---|---|
| Site: AC1 | Time: 2014/09/20 - 19:19 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: FMZB1519_0.009-30MHz | Polarity: Face on |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |

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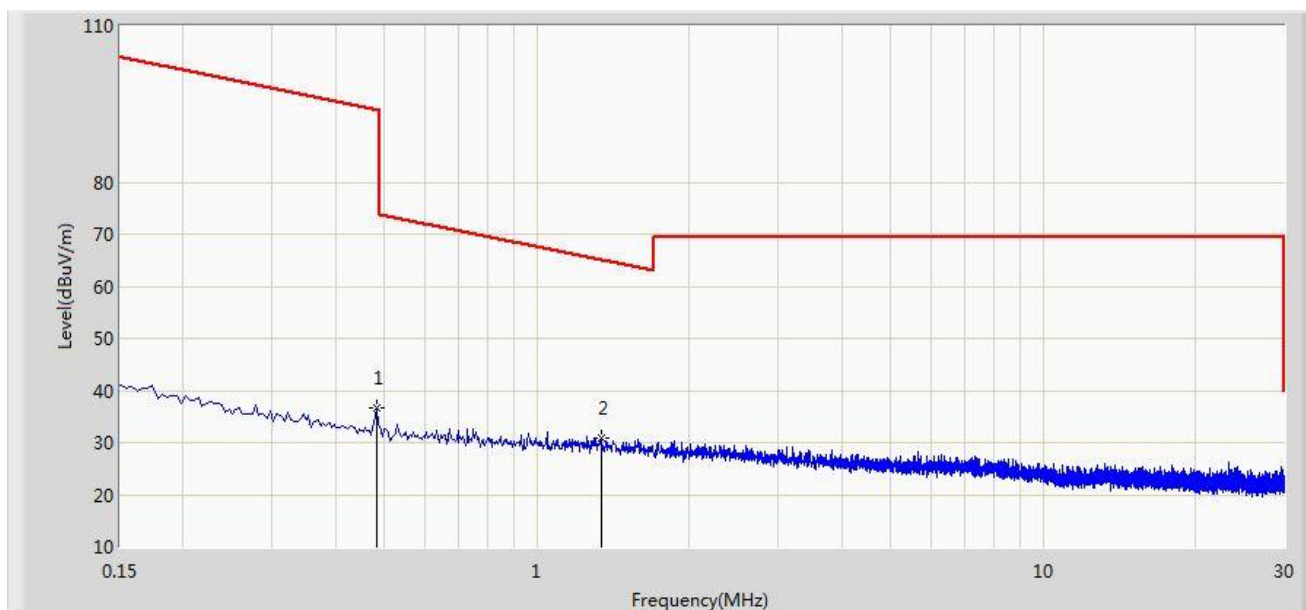


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 0.482 | 36.584 | 16.183 | -57.359 | 93.943 | 20.401 | QP |
| 2 | | * | 1.338 | 31.001 | 10.512 | -34.098 | 65.099 | 20.489 | QP |

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

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

| Engineer: Roy Cheng | |
|---|---|
| Site: AC1 | Time: 2014/09/20 - 21:25 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9170_18-40GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| **Note: There is the ambient noise within frequency range 18GHz~40GHz.** | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 24864.000 | 51.836 | 37.061 | -31.664 | 83.500 | 14.775 | PK |
| 2 | | | 24864.088 | 39.225 | 24.450 | -24.275 | 63.500 | 14.775 | AV |
| 3 | | | 26260.988 | 39.469 | 24.050 | -24.031 | 63.500 | 15.419 | AV |
| 4 | | | 26261.000 | 51.956 | 36.537 | -31.544 | 83.500 | 15.419 | PK |
| 5 | | | 33180.000 | 61.461 | 39.940 | -22.039 | 83.500 | 21.521 | PK |
| 6 | | | 33180.361 | 49.061 | 27.540 | -14.439 | 63.500 | 21.521 | AV |
| 7 | | * | 38437.980 | 58.523 | 31.190 | -4.977 | 63.500 | 27.333 | AV |
| 8 | | | 38438.000 | 72.021 | 44.688 | -11.479 | 83.500 | 27.333 | PK |

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

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

| Engineer: Roy Cheng | |
|---|---|
| Site: AC1 | Time: 2014/09/20 - 21:28 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9170_18-40GHz | Polarity: Vertical |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |

**Note: There is the ambient noise within frequency range 18GHz~40GHz.**
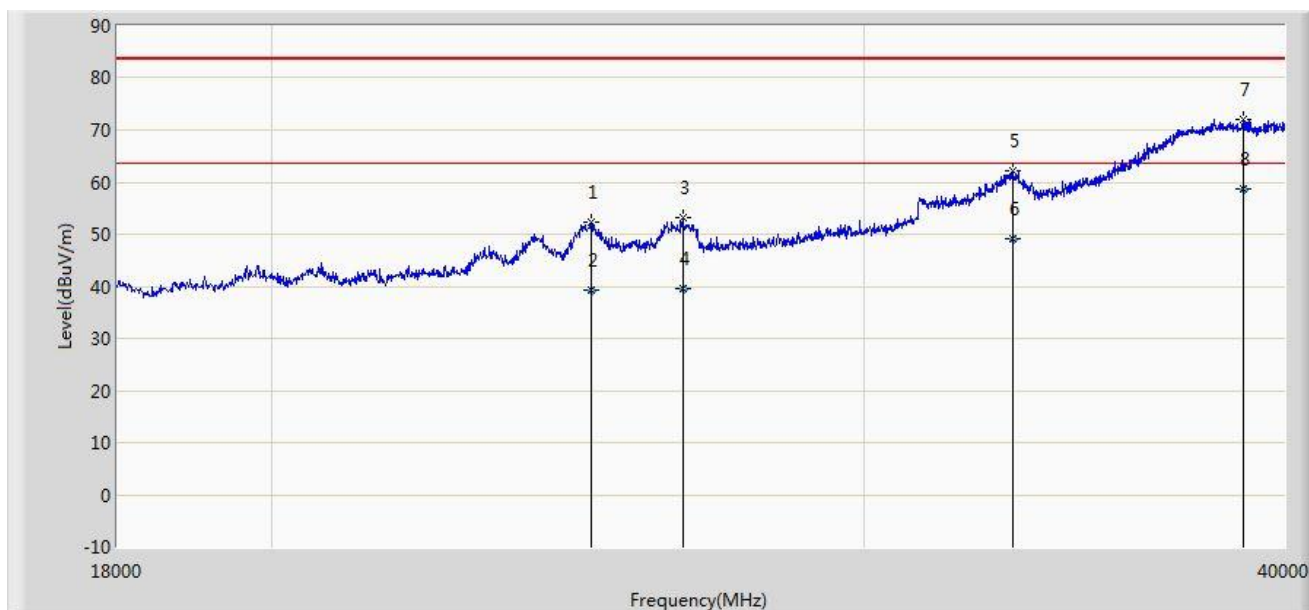


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 24886.000 | 52.313 | 37.528 | -31.187 | 83.500 | 14.785 | PK |
| 2 | | | 24886.970 | 39.234 | 24.449 | -24.266 | 63.500 | 14.785 | AV |
| 3 | | | 26503.000 | 53.227 | 37.207 | -30.273 | 83.500 | 16.020 | PK |
| 4 | | | 26503.872 | 39.572 | 23.550 | -23.928 | 63.500 | 16.022 | AV |
| 5 | | | 33213.000 | 62.110 | 40.572 | -21.390 | 83.500 | 21.538 | PK |
| 6 | | | 33213.984 | 49.098 | 27.560 | -14.402 | 63.500 | 21.538 | AV |
| 7 | | | 38900.000 | 72.096 | 44.211 | -11.404 | 83.500 | 27.885 | PK |
| 8 | | * | 38900.755 | 58.705 | 30.820 | -4.795 | 63.500 | 27.885 | AV |

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

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

## 7.9. Radiated Restricted Band Edge Measurement

### 7.9.1. 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).

| MHz | MHz | MHz | 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 | 8.025 - 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 - 156.52525 | 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]) |

**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 5.25-5.35 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 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 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.

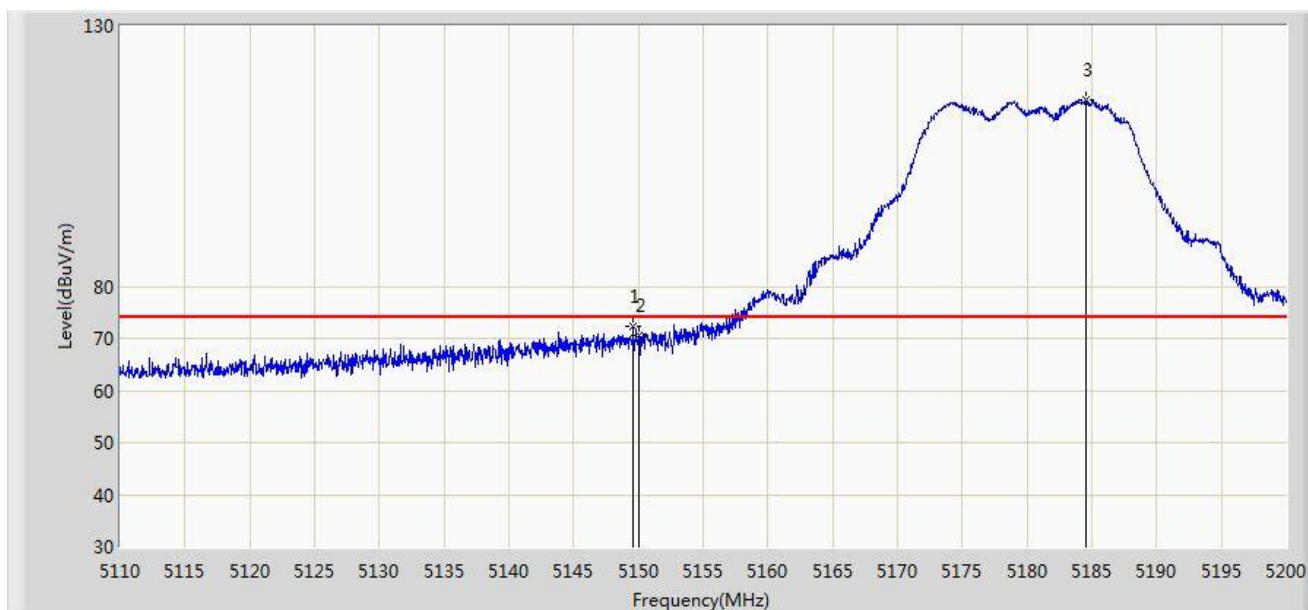| Operating Frequency Band (MHz) | EIRP Limit (dBm/MHz) | Equivalent Field Strength at 3m (dBuV/m) |
|---|---|---|
| 5150 - 5350 | -27 | 68.2 |
| 5470 - 5725 | -27 | 68.2 |
| 5725 - 5850 | -17 | 78.2 |
| | -27 | 68.2 |

Note: Refer to KDB 789033 D02v01 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 [V/m] | Measured Distance [Meters] |
| 0.009 – 0.490 | 2400/F (kHz) | 300 |
| 0.490 – 1.705 | 24000/F (kHz) | 30 |
| 1.705 - 30 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

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

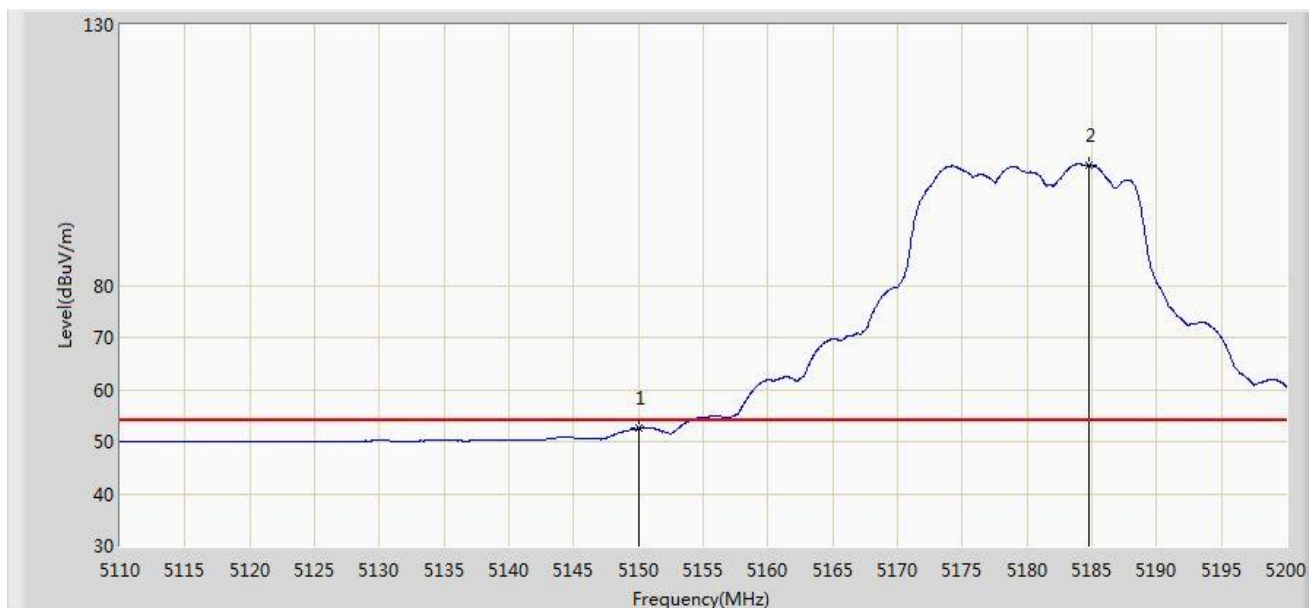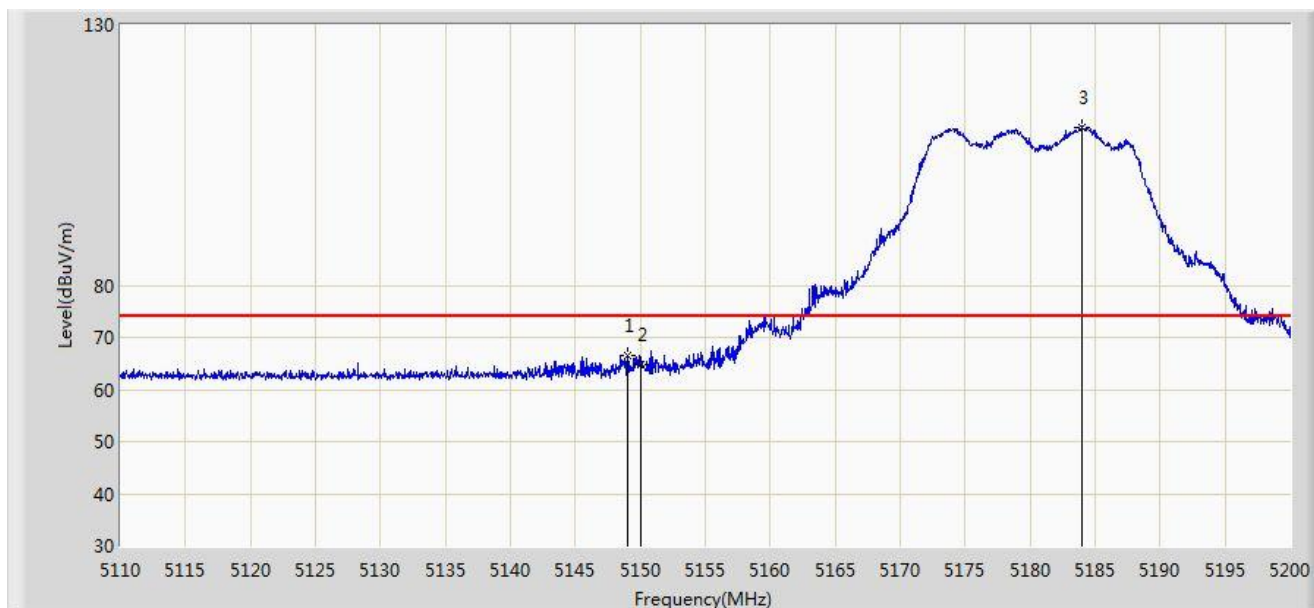| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:14 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5149.600 | 72.407 | 35.654 | -1.593 | 74.000 | 36.752 | PK |
| 2 | | | 5150.000 | 70.497 | 33.745 | -3.503 | 74.000 | 36.752 | PK |
| 3 | | * | 5184.565 | 115.814 | 79.162 | N/A | N/A | 36.652 | PK |

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

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

| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:18 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5150.000 | 52.554 | 15.802 | -1.446 | 54.000 | 36.752 | AV |
| 2 | | * | 5184.745 | 103.139 | 66.487 | N/A | N/A | 36.652 | AV |

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

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

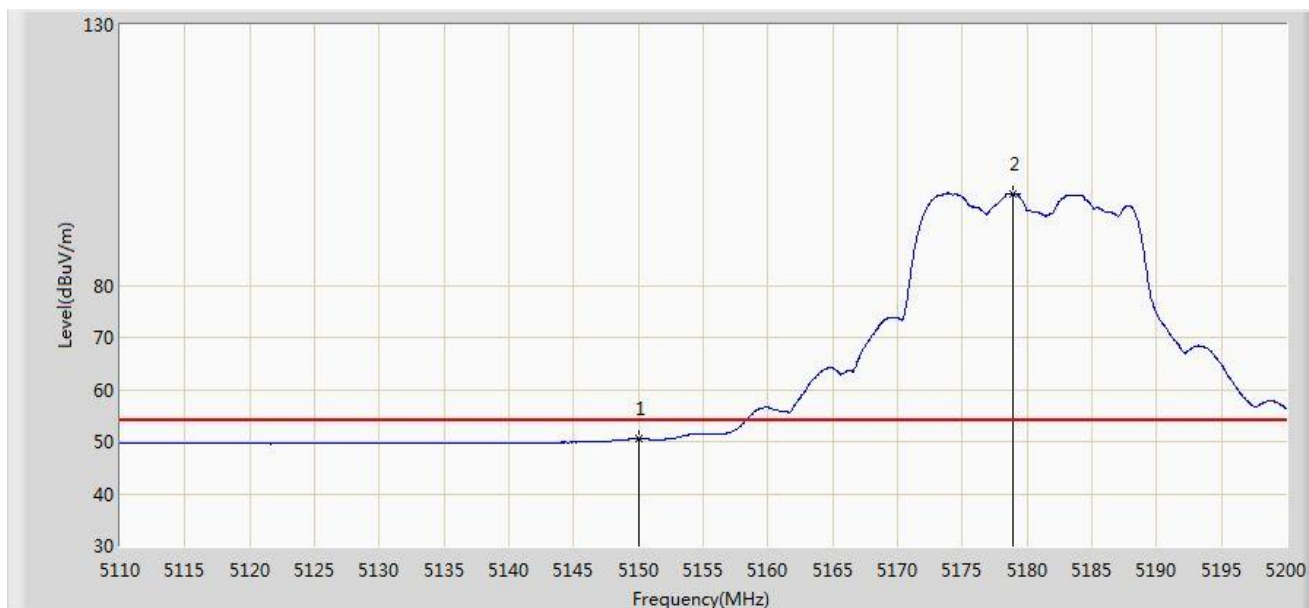| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:21 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5148.970 | 66.651 | 29.897 | -7.349 | 74.000 | 36.753 | PK |
| 2 | | | 5150.000 | 64.784 | 28.032 | -9.216 | 74.000 | 36.752 | PK |
| 3 | | * | 5183.980 | 110.406 | 73.752 | N/A | N/A | 36.653 | PK |

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

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

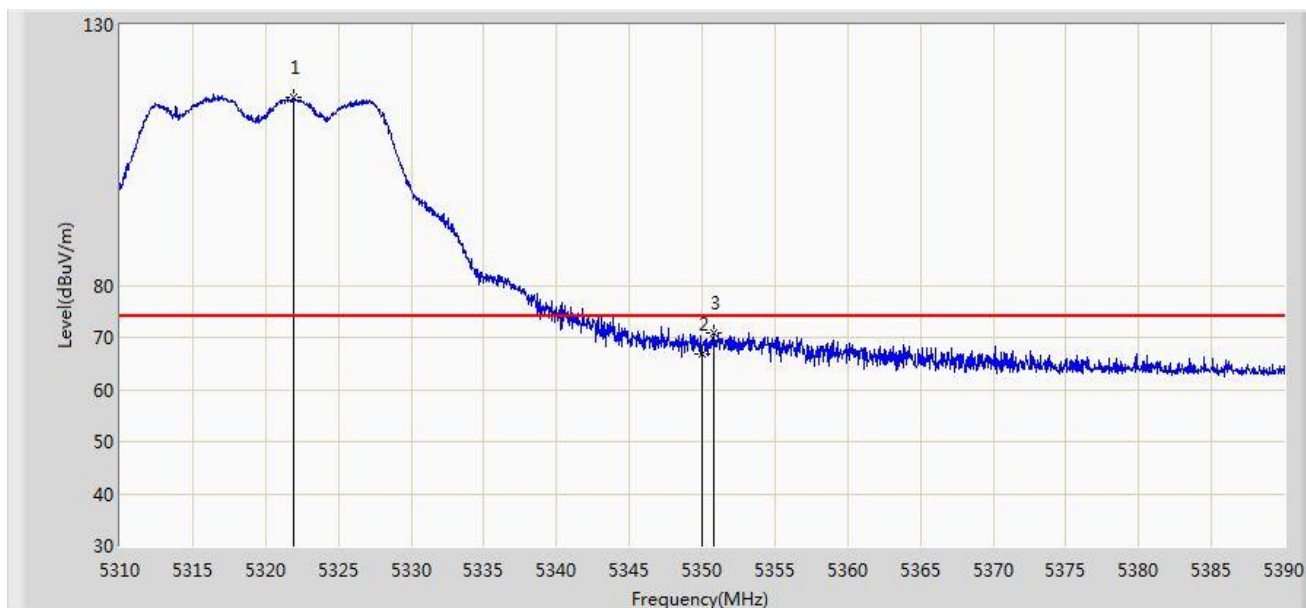| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:24 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5150.000 | 50.520 | 13.768 | -3.480 | 54.000 | 36.752 | AV |
| 2 | | * | 5178.940 | 97.642 | 60.973 | N/A | N/A | 36.669 | AV |

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

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

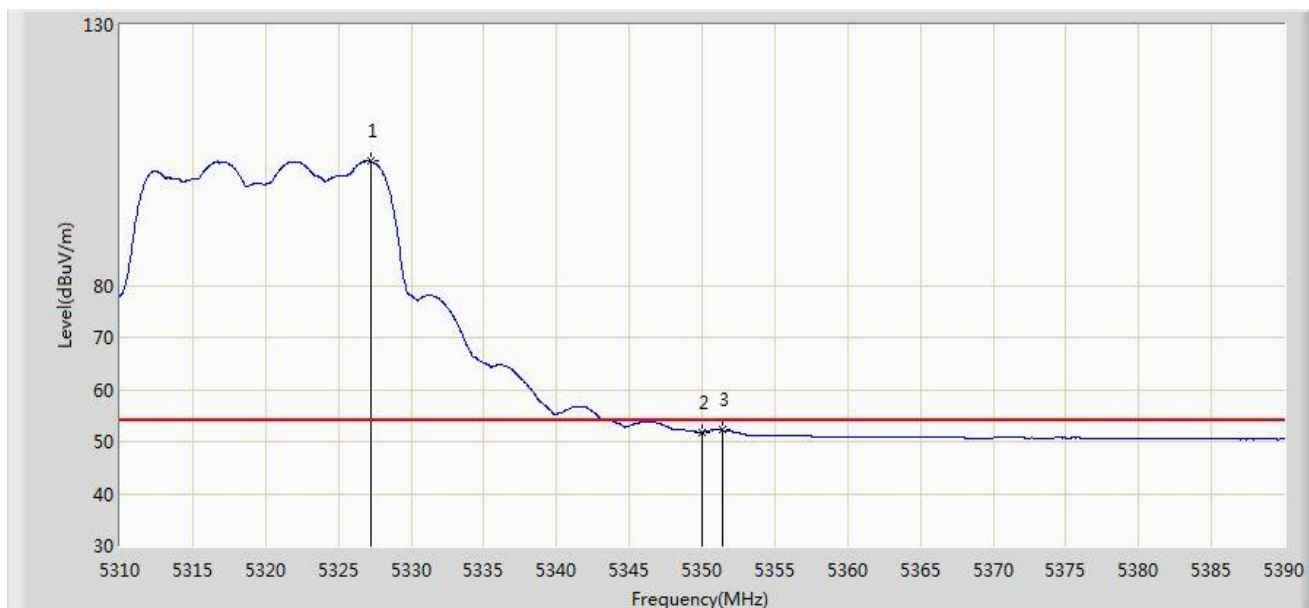| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:27 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5320MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5321.920 | 115.955 | 79.479 | N/A | N/A | 36.476 | PK |
| 2 | | | 5350.000 | 66.936 | 30.400 | -7.064 | 74.000 | 36.536 | PK |
| 3 | | | 5350.840 | 70.733 | 34.195 | -3.267 | 74.000 | 36.539 | PK |

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

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

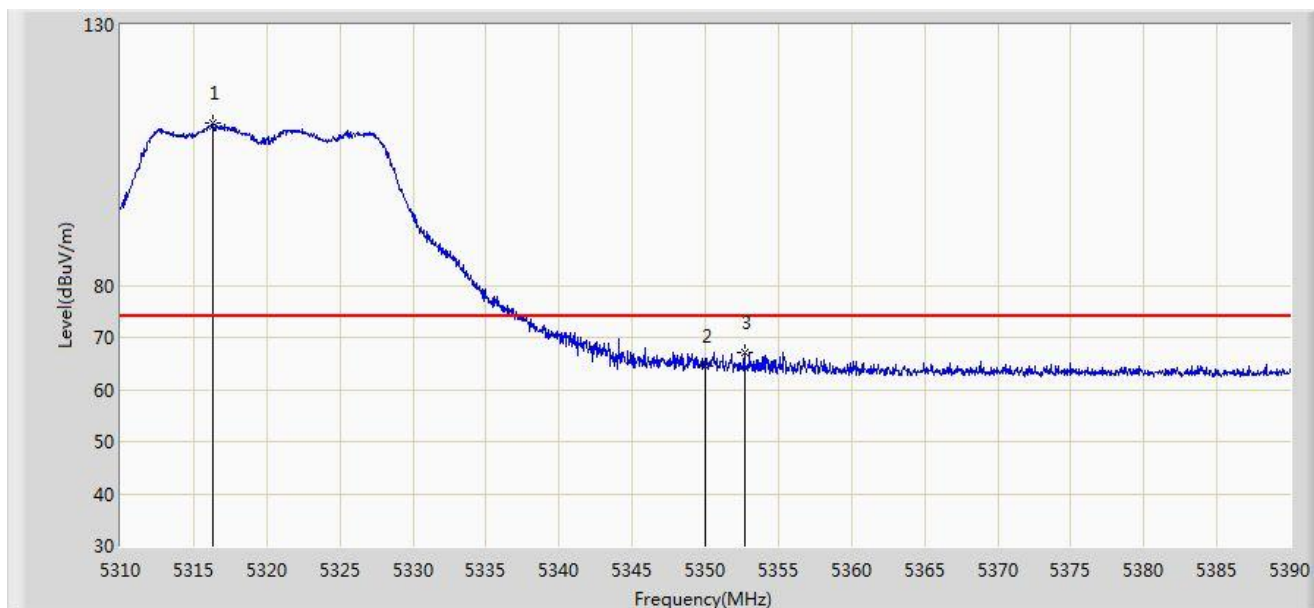| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:30 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5320MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5327.240 | 103.803 | 67.315 | N/A | N/A | 36.488 | AV |
| 2 | | | 5350.000 | 51.770 | 15.234 | -2.230 | 54.000 | 36.536 | AV |
| 3 | | | 5351.400 | 52.208 | 15.669 | -1.792 | 54.000 | 36.540 | AV |

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

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

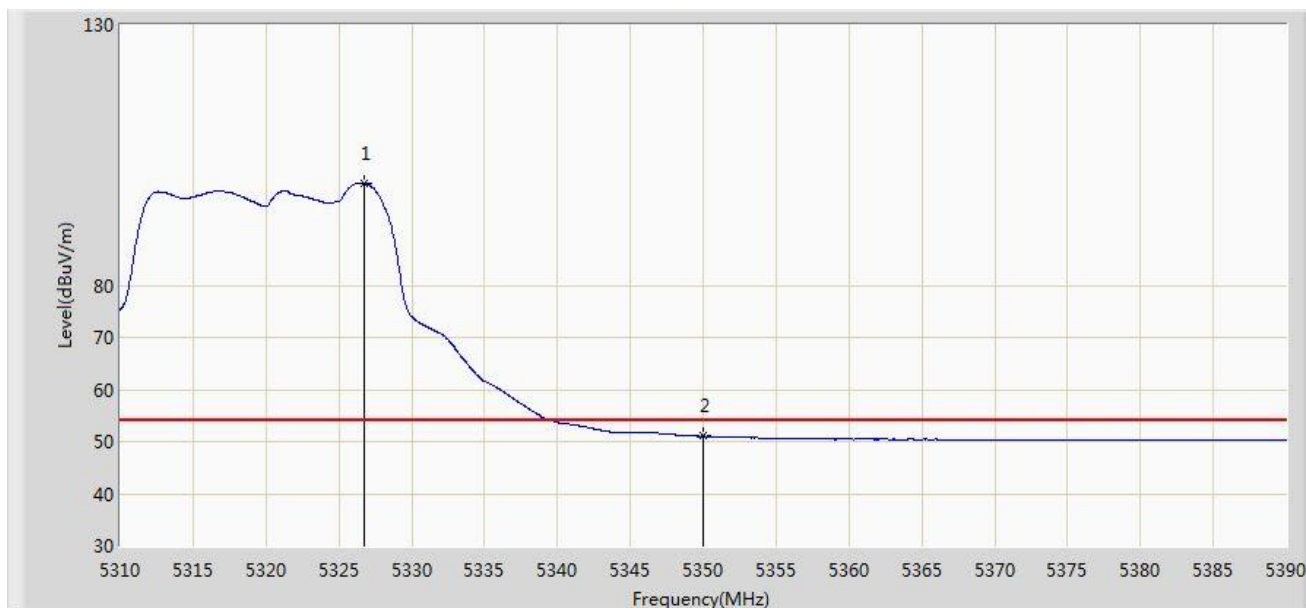| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:33 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5320MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5316.320 | 111.287 | 74.824 | N/A | N/A | 36.463 | PK |
| 2 | | | 5350.000 | 64.525 | 27.989 | -9.475 | 74.000 | 36.536 | PK |
| 3 | | | 5352.680 | 67.128 | 30.586 | -6.872 | 74.000 | 36.542 | PK |

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

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

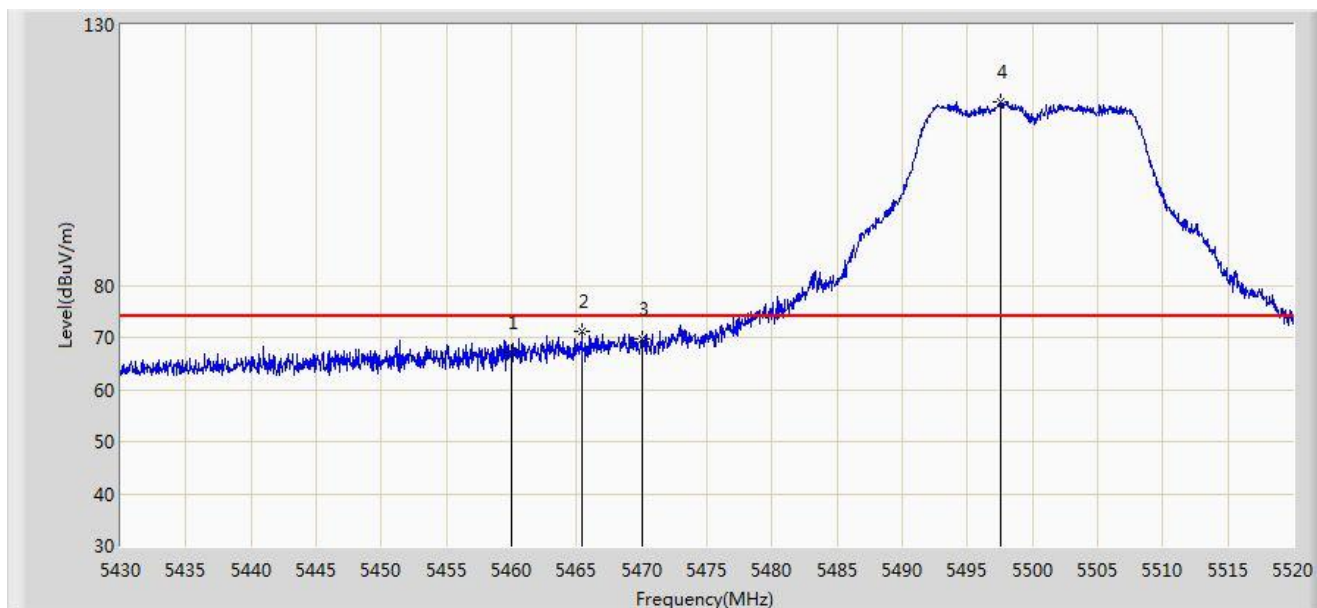| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:36 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Vertical |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5320MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5326.760 | 99.588 | 63.101 | N/A | N/A | 36.487 | AV |
| 2 | | | 5350.000 | 51.034 | 14.498 | -2.966 | 54.000 | 36.536 | AV |

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

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

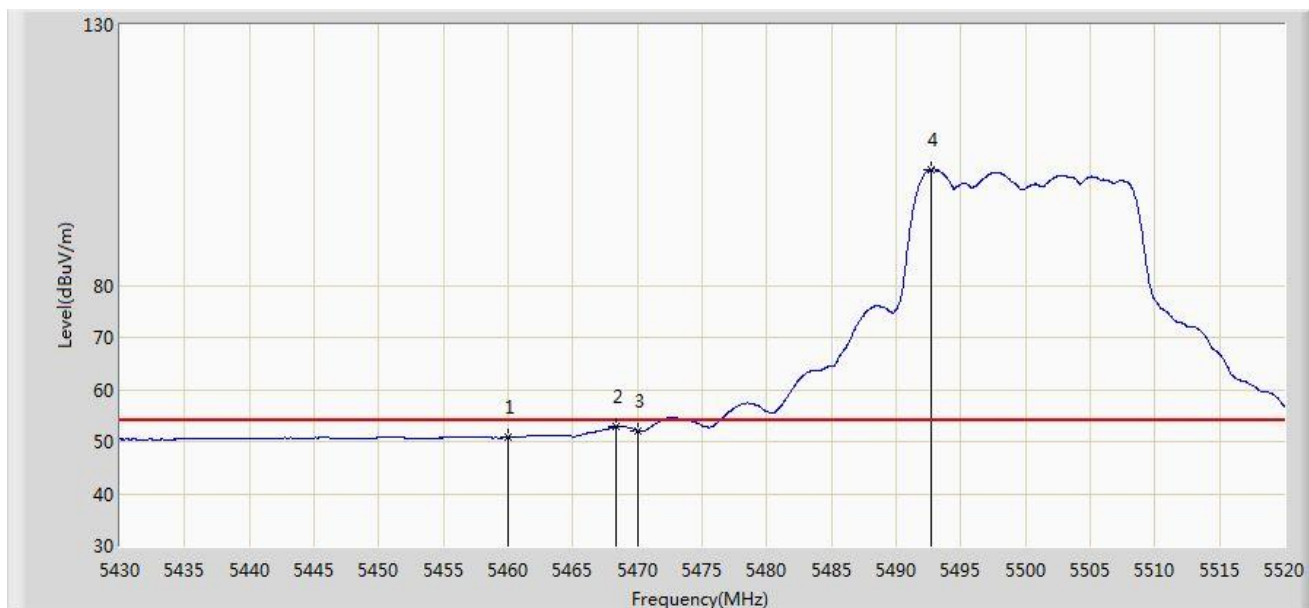| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:38 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5500MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 67.081 | 30.271 | -6.919 | 74.000 | 36.810 | PK |
| 2 | | | 5465.415 | 71.037 | 34.219 | -2.963 | 74.000 | 36.817 | PK |
| 3 | | | 5470.000 | 69.570 | 32.745 | -4.430 | 74.000 | 36.825 | PK |
| 4 | | * | 5497.545 | 115.099 | 78.229 | N/A | N/A | 36.870 | PK |

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

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

| Engineer: Milo Li | |
|---|---|
| Site: AC1 | Time: 2014/09/18 - 19:42 |
| Limit: FCC_Part15.209_RE(3m) | Margin: 0 |
| Probe: BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: Unified Wired-WLAN Walljack | Power: AC 120V/60Hz |
| Note: Mode 1: Transmit by 802.11a at channel 5500MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 50.757 | 13.947 | -3.243 | 54.000 | 36.810 | AV |
| 2 | | | 5468.295 | 52.852 | 16.030 | -1.148 | 54.000 | 36.822 | AV |
| 3 | | | 5470.000 | 52.115 | 15.290 | -1.885 | 54.000 | 36.825 | AV |
| 4 | | * | 5492.685 | 102.213 | 65.352 | N/A | N/A | 36.861 | AV |

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

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