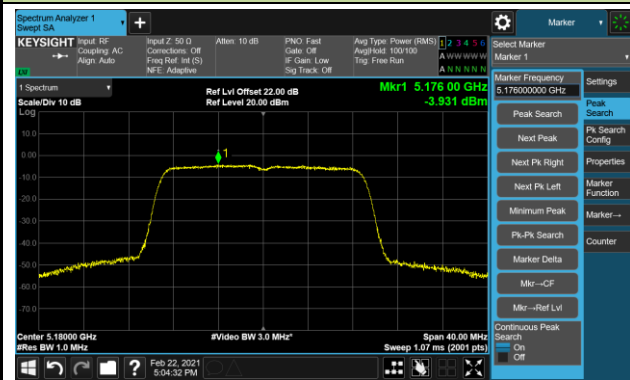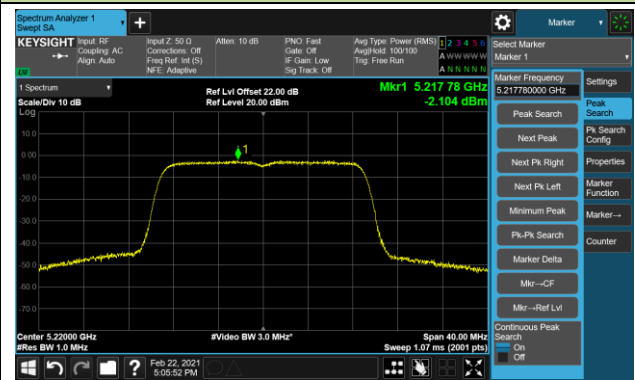## 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)

### Channel 36 (5180MHz)



### Channel 44 (5220MHz)



### Channel 48 (5240MHz)



### Channel 52 (5260MHz)



### Channel 60 (5300MHz)



### Channel 64 (5320MHz)



### Channel 100 (5500MHz)



### Channel 116 (5580MHz)

## 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)

### Channel 140 (5700MHz)



### Channel 144 (5720MHz)



### Channel 149 (5745MHz)
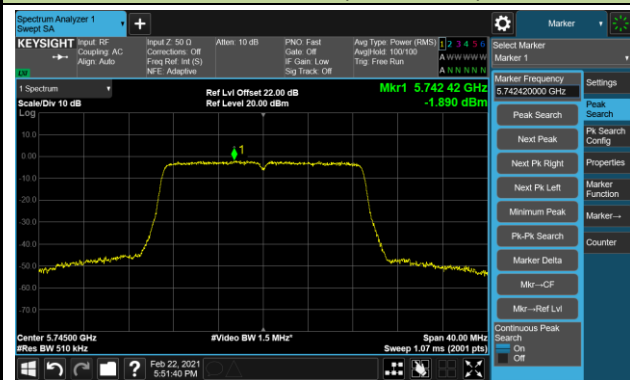


### Channel 157 (5785MHz)
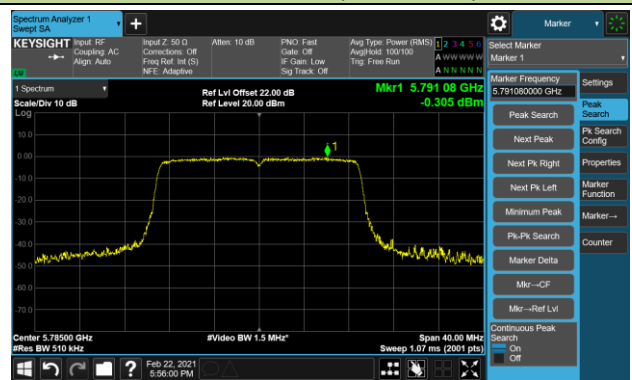


### Channel 165 (5825MHz)

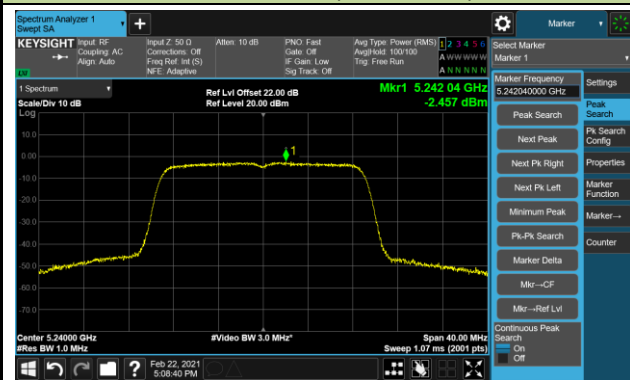## 802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)
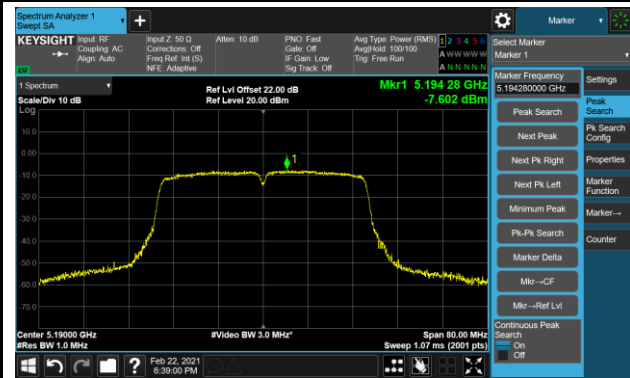
### Channel 38 (5190MHz)



### Channel 46 (5230MHz)
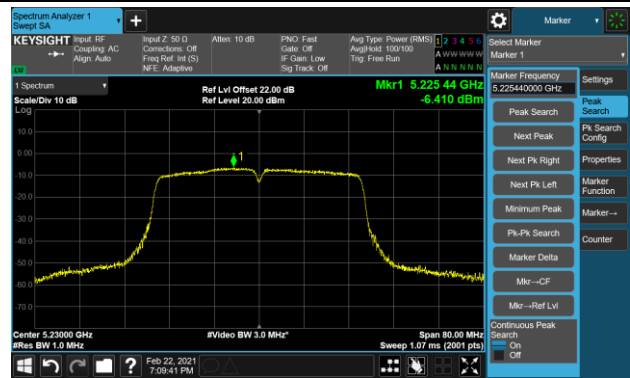


### Channel 54 (5270MHz)
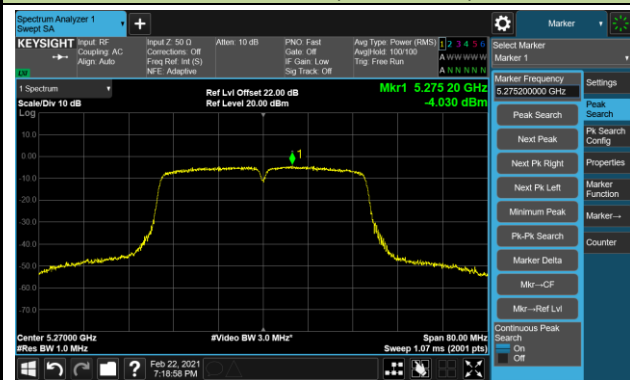


### Channel 62 (5310MHz)
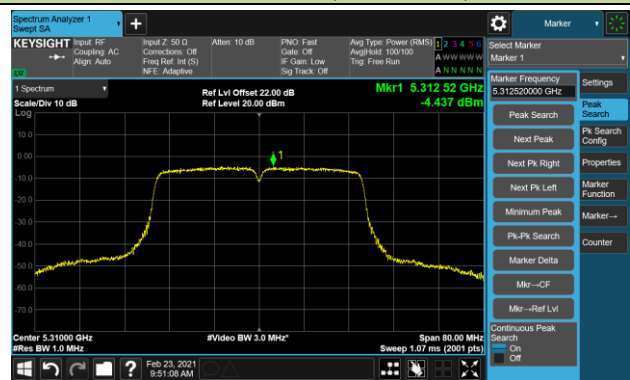


### Channel 102 (5510MHz)
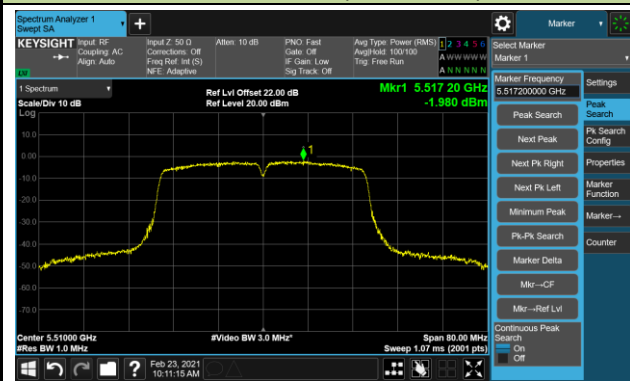


### Channel 110 (5550MHz)
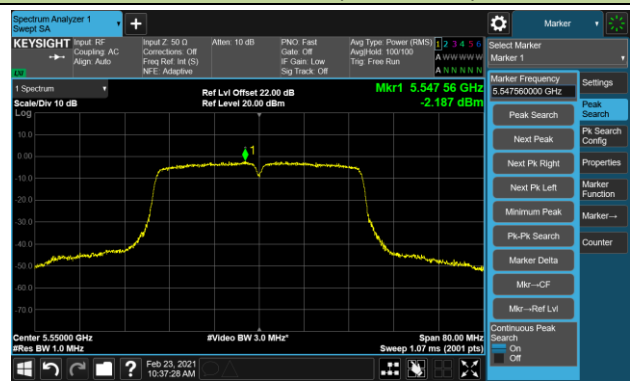


### Channel 134 (5670MHz)



### Channel 142 (5710MHz)
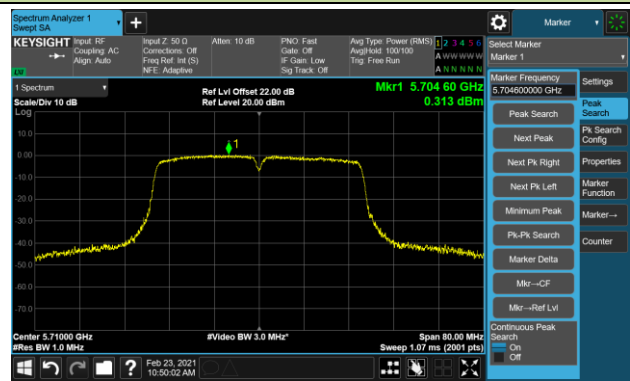
## 802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)

| Channel 151 (5755MHz) | Channel 159 (5795MHz) |
| --- | --- |
|  |  |
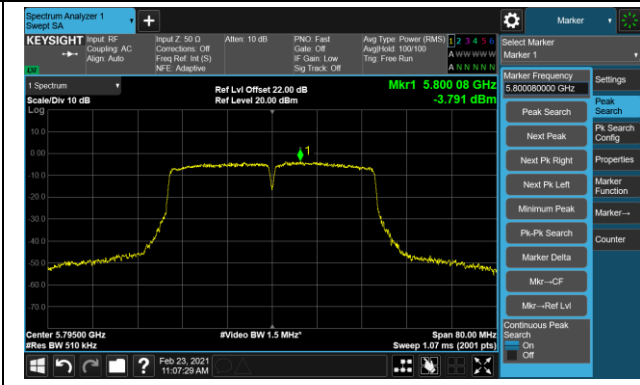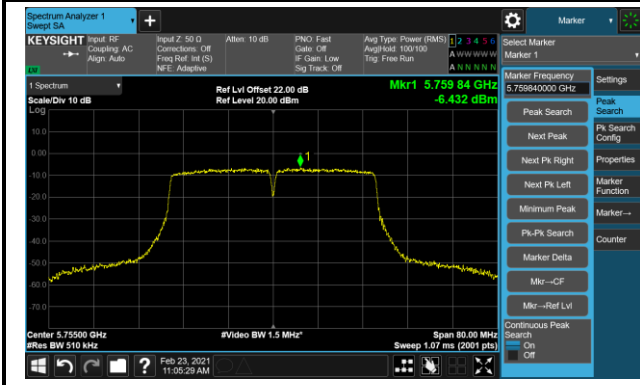
## 802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)
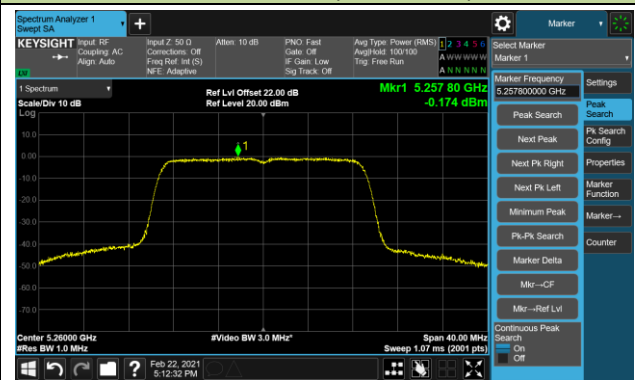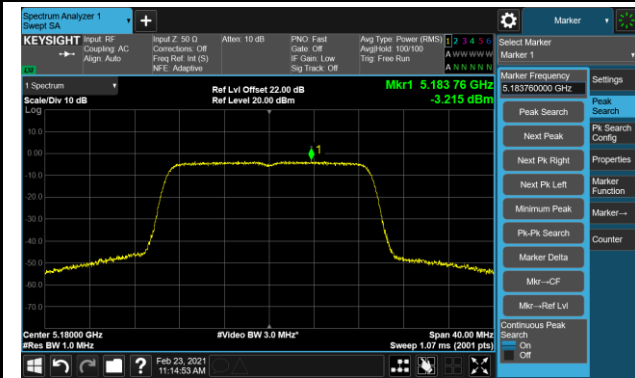
### Channel 36 (5180MHz)
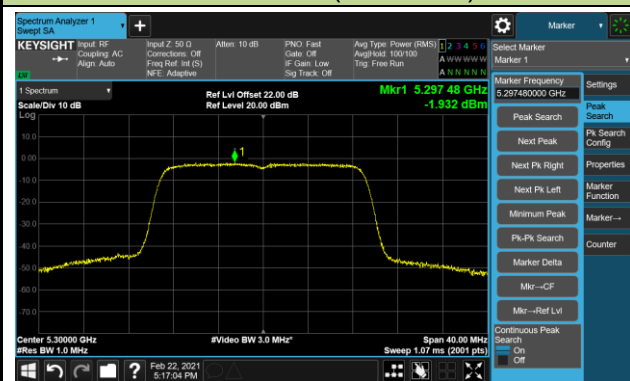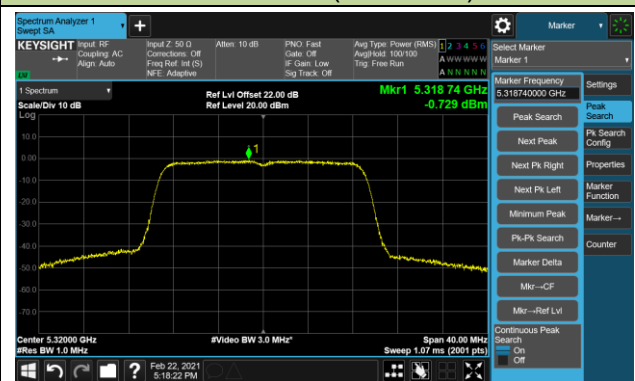


### Channel 44 (5220MHz)
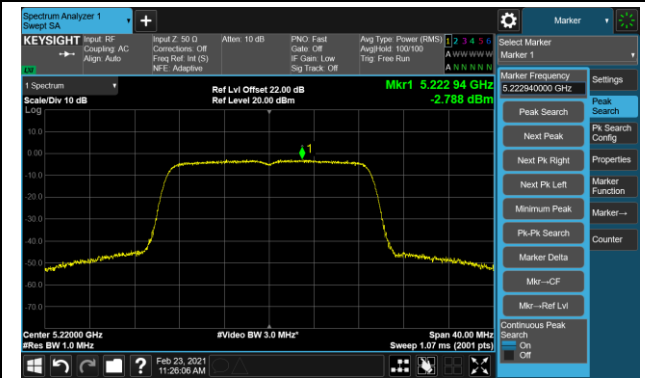


### Channel 48 (5240MHz)
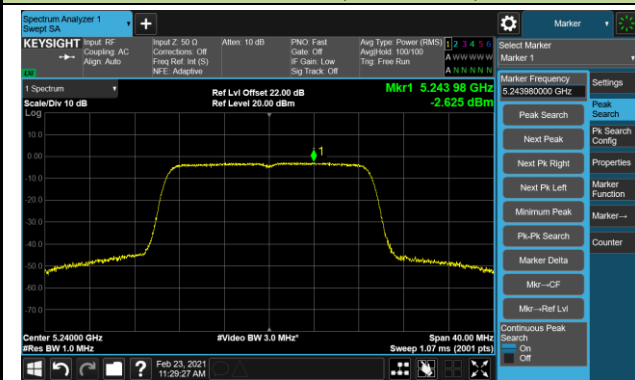


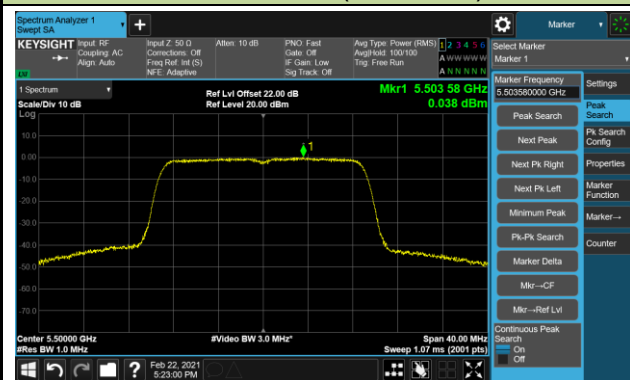### Channel 52 (5260MHz)
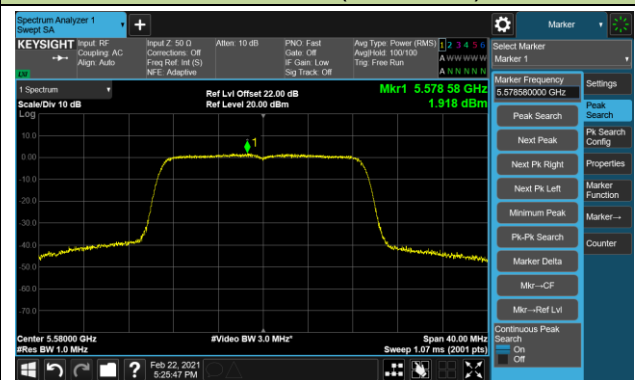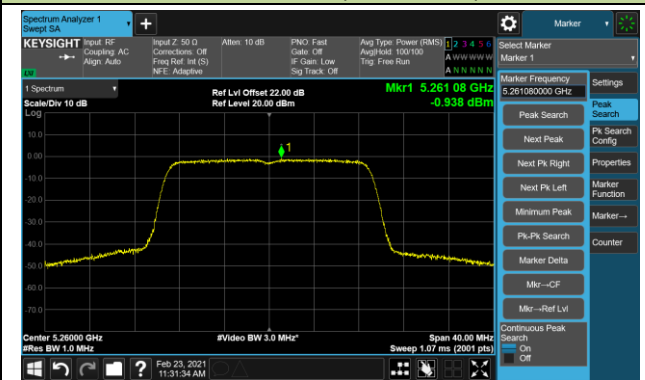


### Channel 60 (5300MHz)
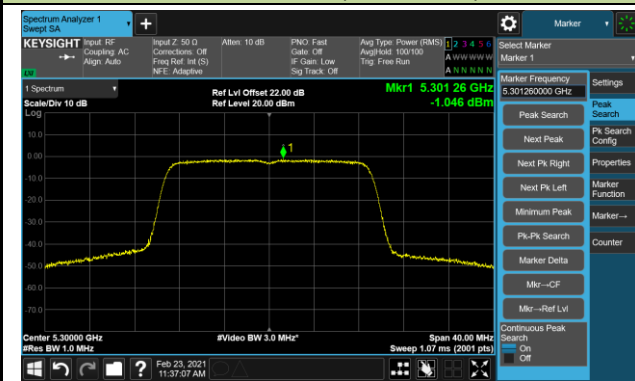


### Channel 64 (5320MHz)
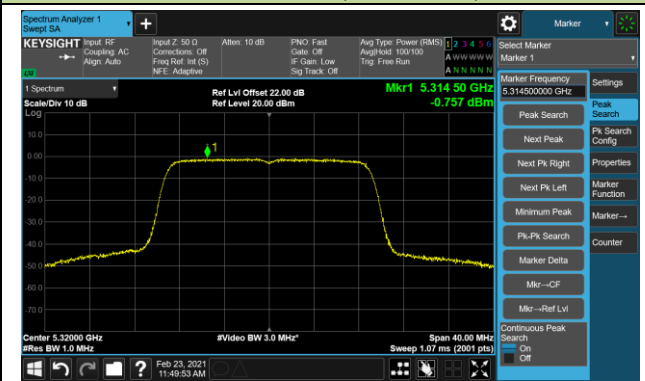


### Channel 100 (5500MHz)
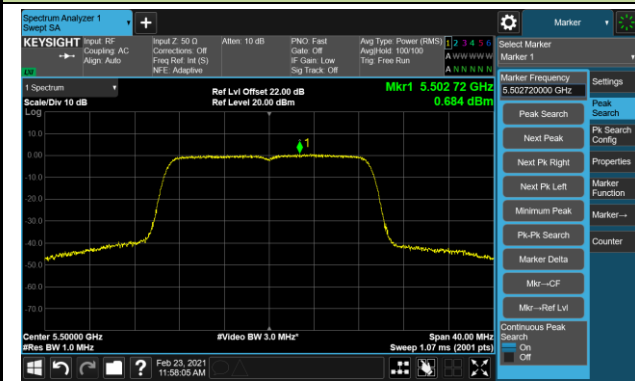


### Channel 116 (5580MHz)
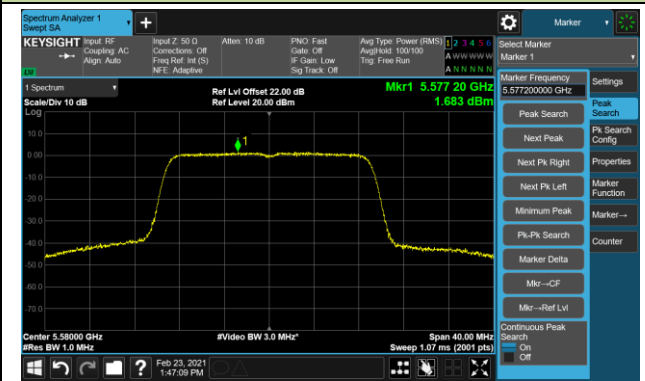
## 802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)

### Channel 140 (5700MHz)
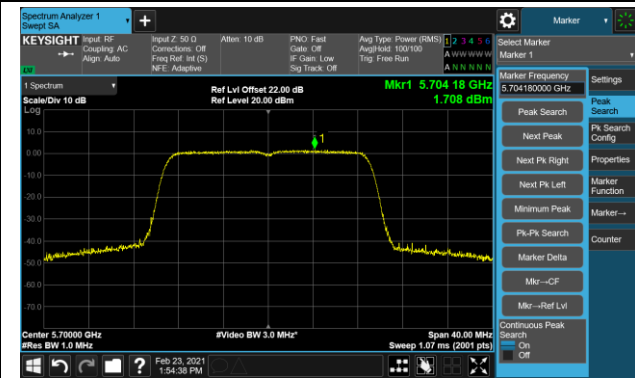


### Channel 144 (5720MHz)



### Channel 149 (5745MHz)
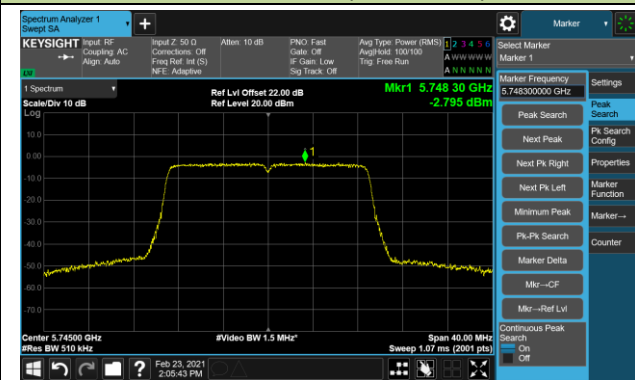


### Channel 157 (5785MHz)
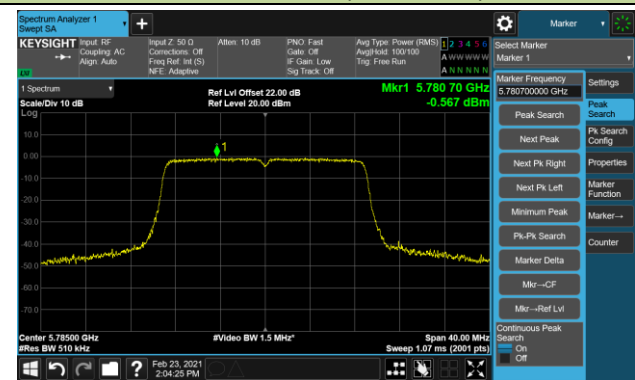


### Channel 165 (5825MHz)

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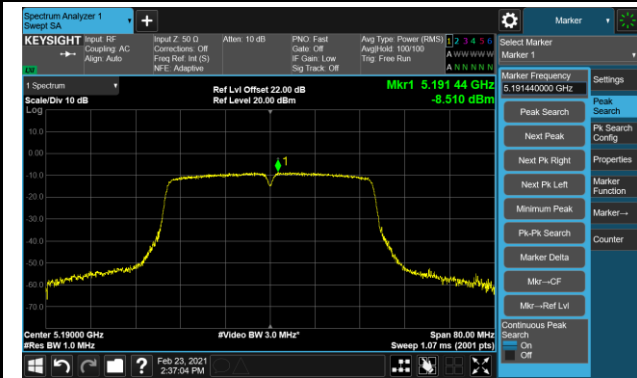
### Channel 38 (5190MHz)



### Channel 46 (5230MHz)



### Channel 54 (5270MHz)



### Channel 62 (5310MHz)



### Channel 102 (5510MHz)



### Channel 110 (5550MHz)
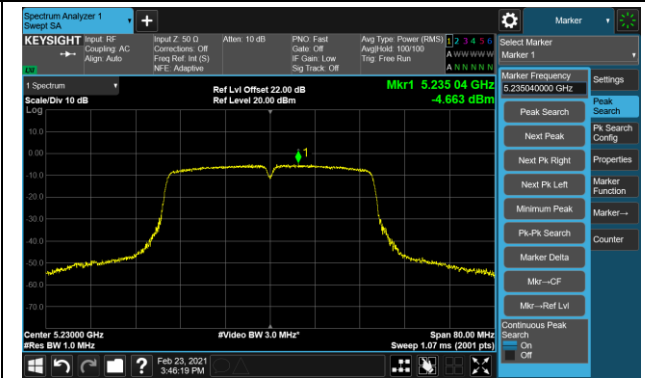


### Channel 134 (5670MHz)
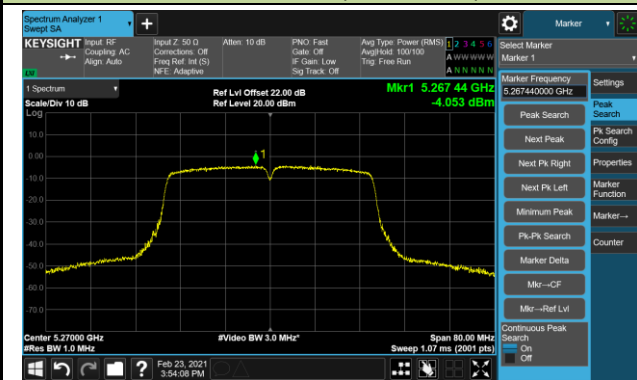


### Channel 142 (5710MHz)
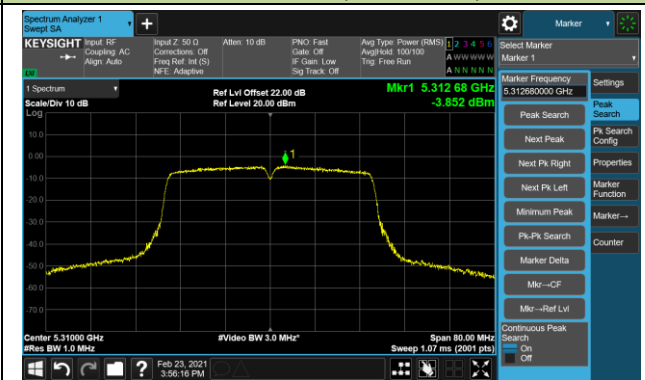
## 802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)
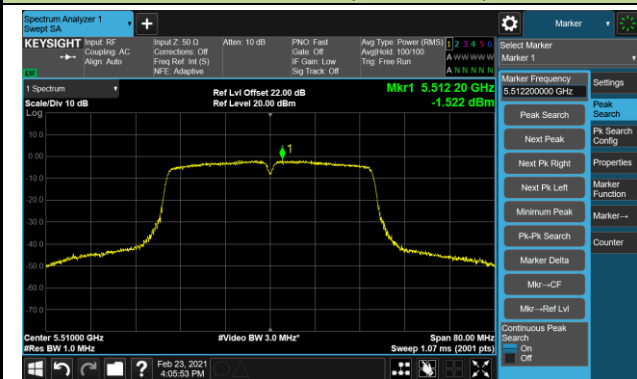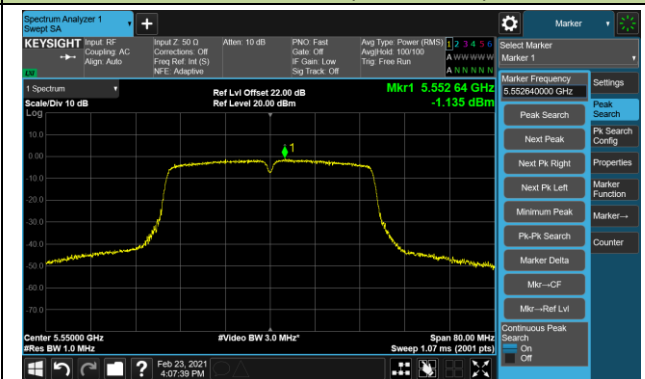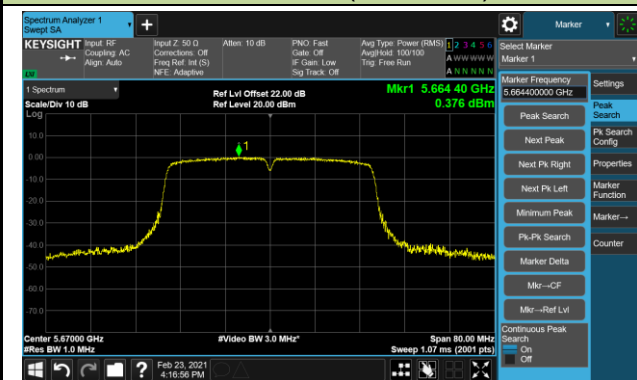
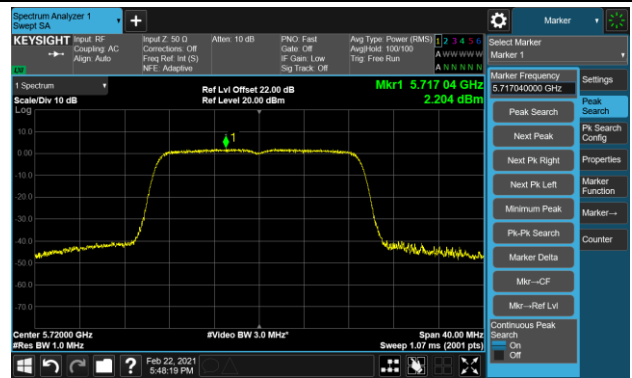| Channel 151 (5755MHz) | Channel 159 (5795MHz) |
|---|---|
|  |  |
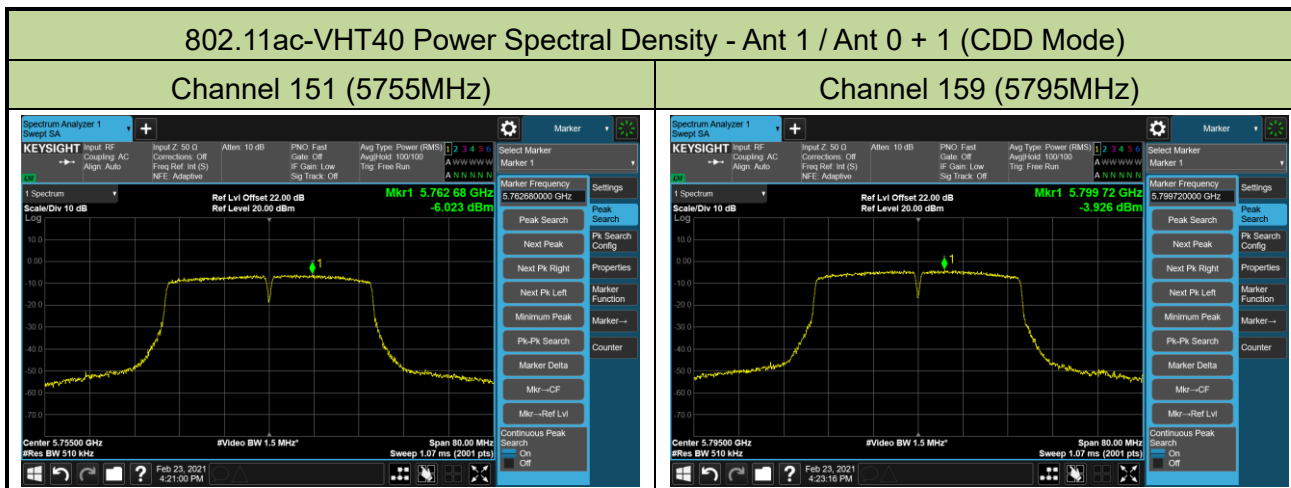
## 802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 (CDD Mode)

### Channel 42 (5210MHz)
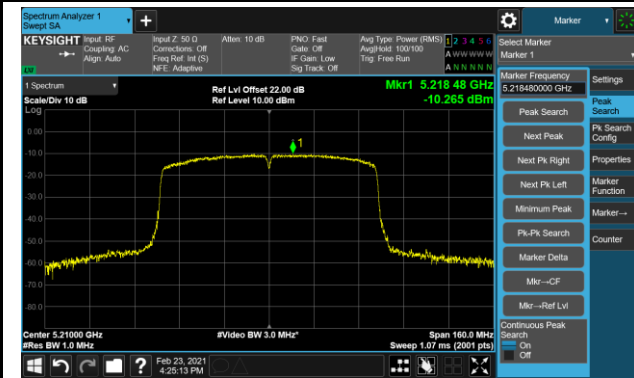


### Channel 58 (5290MHz)
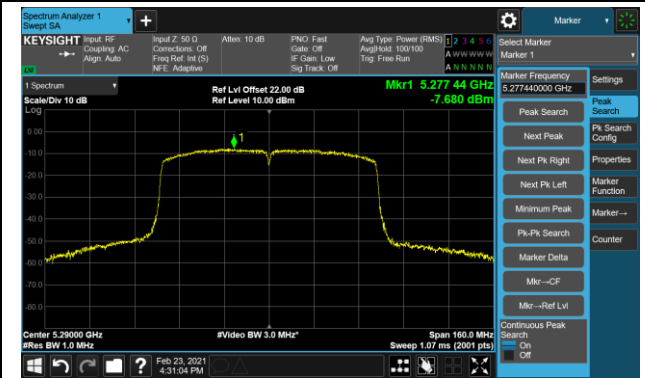


### Channel 106 (5530MHz)
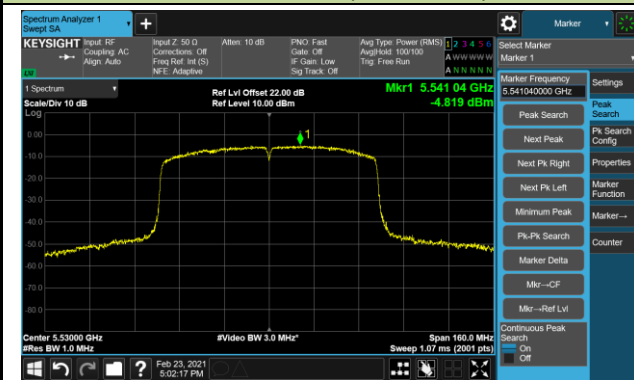


### Channel 122 (5610MHz)
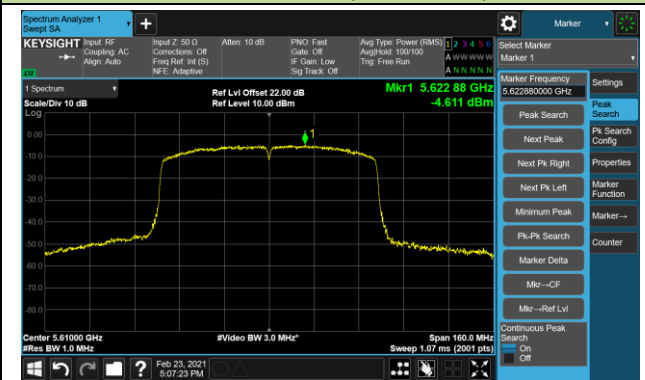


### Channel 138 (5690MHz)



### Channel 155 (5775MHz)
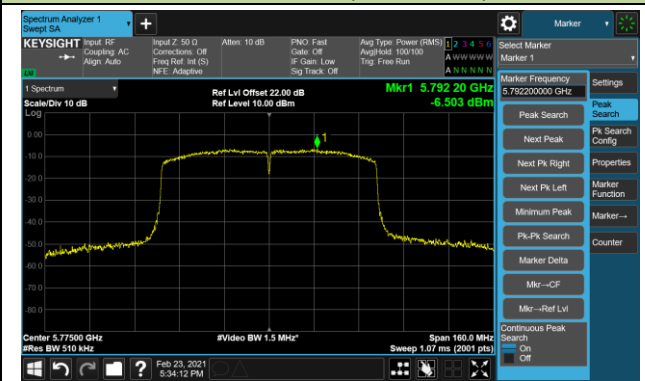
## 6.7. Frequency Stability Measurement

### 6.7.1.Test Limit

Fundamental emissions must be contained within the frequency bands specified in this section during all conditions of operation.

The transmitter center frequency tolerance shall be ±20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

### 6.7.2.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, recordthe maximum frequency change.

### 6.7.3.Test Setup
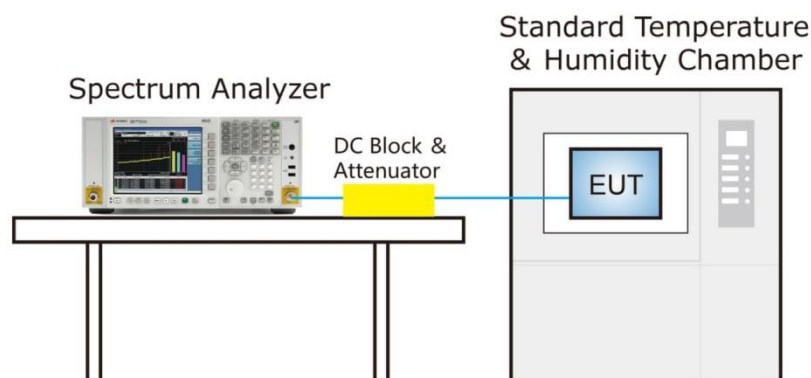
### 6.7.4.Test Result

| Test Site | WZ-TR3 | Test Engineer | Luis Yang |
|---|---|---|---|
| Test Date | 2021/02/23~2021/03/03 | | |

| Voltage (%) | Power (VAC) | Temp (°C) | Frequency Tolerance (ppm) | | | |
|---|---|---|---|---|---|---|
| | | | 0 min | 2 min | 5 min | 10 min |
| 100% | 120 | - 30 | 13.51 | 7.72 | 7.72 | 2.73 |
| | | - 20 | 1.93 | 5.79 | 0.00 | 3.64 |
| | | - 10 | 0.00 | 9.65 | 9.65 | 2.73 |
| | | 0 | 9.65 | 5.79 | 9.65 | 6.36 |
| | | + 10 | 17.37 | 11.58 | -5.79 | -2.73 |
| | | + 20 (Ref) | 17.37 | 5.79 | 11.58 | -7.27 |
| | | + 30 | 13.51 | -1.93 | 7.72 | 1.82 |
| | | + 40 | 5.79 | 3.86 | 5.79 | 3.64 |
| | | + 50 | 9.65 | 11.58 | 5.79 | 0.00 |
| 115% | 138 | + 20 | 0.00 | 7.72 | 9.65 | -0.91 |
| 85% | 102 | + 20 | 9.65 | 9.65 | 11.58 | -1.82 |

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

## 6.8. Unwanted Emission Measurement

### 6.8.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title

47CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 & RSS-Gen Section 8.9 | | |
|---|---|---|
| Frequency [MHz] | Field Strength [uV/m] | Measured Distance [Meters] |
| 0.009 - 0.490 | 2400/F (kHz) | 300 |
| 0.490 - 1.705 | 24000/F (kHz) | 30 |
| 1.705 - 30 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

**Unwanted Emission in 5250MHz~5350MHz Band (RSS-247 Issue 2 section 6.2.1.2)**

Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the

channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5%

of the occupied bandwidth (i.e. 99% bandwidth), above 5250MHz.

### 6.8.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

### 6.8.3.Test Setting

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

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

**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 = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

**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

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

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

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

5. Sweep time = auto

6. Trace mode = max hold

7. Trace was allowed to stabilize

**Unwanted Emission in 5250MHz~5350MHz Band**

1. Set test frequency range from 5250MHz to 5350MHz

2. Set RBW = 1~5% OBW (99%)

3. Set VBW ≥3 times RBW

4. Set Detector = RMS

5. Trace mode = Max hold

6. Sweep time = auto couple

7. The trace was allowed to stabilize

8. Repeat the step 1 to 7 at other antenna chain.

### 6.8.4.Test Setup

Below 1GHz Test Setup:
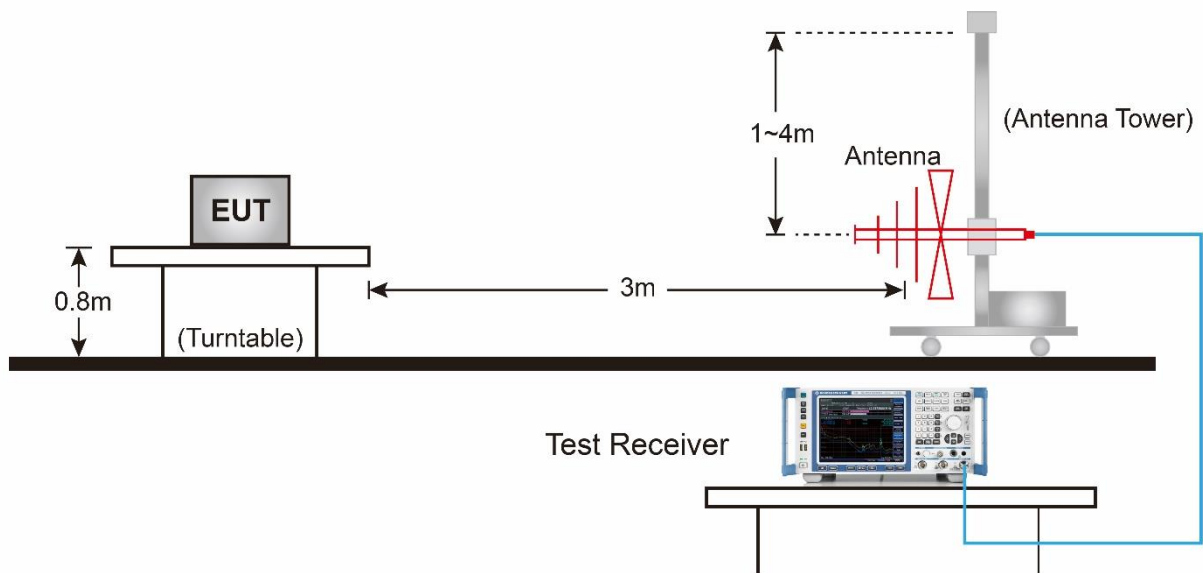
Above 1G Test Setup:
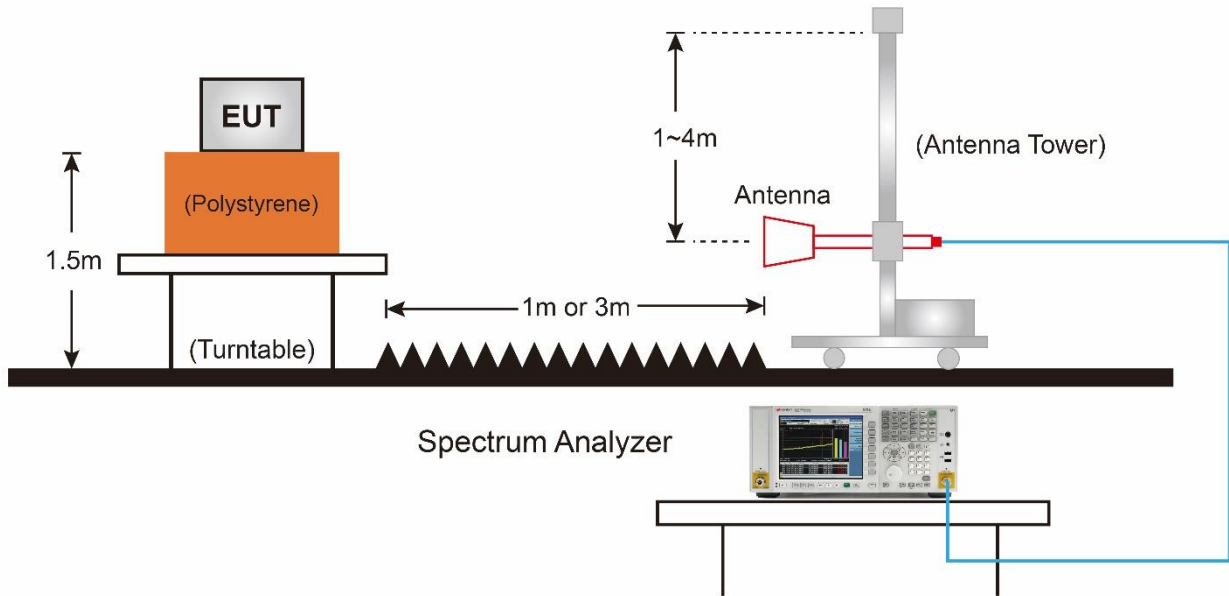


Unwanted Emission in 5250MHz~5350MHz Band Test Setup:
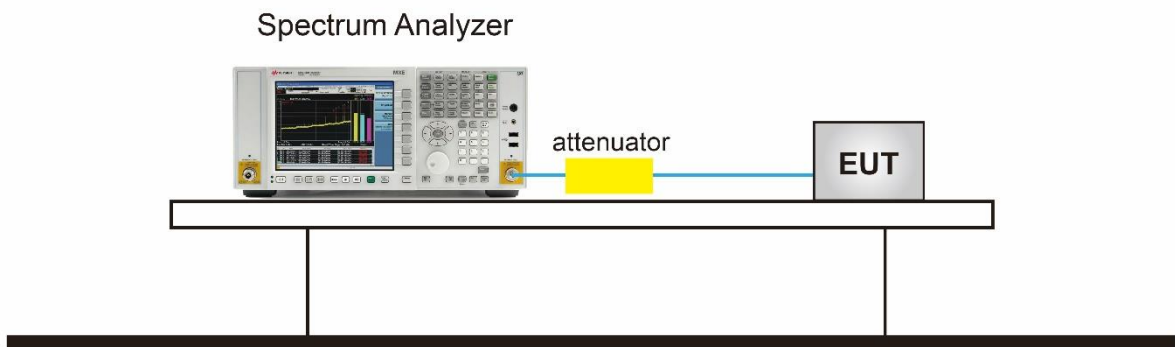
## 6.8.5.Test Result

| Test Site | WZ-AC2 | Test Engineer | Hyde Yu |
|---|---|---|---|
| Test Date | 2021/02/20 | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 36 | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7562 | 33.8 | 12.8 | 46.6 | 74.0 | -27.4 | Peak | Horizontal |
| | 8310 | 32.6 | 12.5 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| * | 8862.5 | 30.5 | 14.4 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| * | 10358.5 | 35.4 | 16.4 | 51.8 | 68.2 | -16.4 | Peak | Horizontal |
| | 7443 | 31.1 | 12.6 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| | 8352.5 | 32.1 | 12.7 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| * | 8616 | 34.1 | 13.6 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 10367 | 36.6 | 16.4 | 53.0 | 68.2 | -15.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 44 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7579 | 34.3 | 12.6 | 46.9 | 74.0 | -27.1 | Peak | Horizontal |
|  | 8276 | 33.3 | 12.5 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 8769 | 32.7 | 14.5 | 47.2 | 68.2 | -21.0 | Peak | Horizontal |
| * | 10435 | 34.3 | 16.5 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
|  | 7536.5 | 32.9 | 12.7 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
|  | 8199.5 | 31.8 | 12.5 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| * | 8760.5 | 33.2 | 14.5 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 10443.5 | 35.1 | 16.4 | 51.5 | 68.2 | -16.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode: | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel: | 48 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7621.5 | 34.0 | 12.8 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| | 8242 | 31.4 | 12.4 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| * | 8675.5 | 33.7 | 14.1 | 47.8 | 68.2 | -20.4 | Peak | Horizontal |
| * | 10477.5 | 35.3 | 16.4 | 51.7 | 68.2 | -16.5 | Peak | Horizontal |
| | 7604.5 | 34.3 | 12.7 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| | 8233.5 | 32.1 | 12.4 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| * | 8743.5 | 34.6 | 14.4 | 49.0 | 68.2 | -19.2 | Peak | Vertical |
| * | 10477.5 | 36.9 | 16.4 | 53.3 | 68.2 | -14.9 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 52 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.0 | 12.8 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| | 8242 | 31.6 | 12.4 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| * | 8726.5 | 34.8 | 14.2 | 49.0 | 68.2 | -19.2 | Peak | Horizontal |
| * | 10520 | 36.1 | 16.3 | 52.4 | 68.2 | -15.8 | Peak | Horizontal |
| | 7621.5 | 35.0 | 12.8 | 47.8 | 74.0 | -26.2 | Peak | Vertical |
| | 8335.5 | 33.4 | 12.7 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| * | 8692.5 | 33.6 | 14.2 | 47.8 | 68.2 | -20.4 | Peak | Vertical |
| * | 10520 | 39.3 | 16.3 | 55.6 | 68.2 | -12.6 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 60 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7655.5 | 34.1 | 12.5 | 46.6 | 74.0 | -27.4 | Peak | Horizontal |
| | 8352.5 | 32.9 | 12.7 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| * | 8684 | 33.3 | 14.2 | 47.5 | 68.2 | -20.7 | Peak | Horizontal |
| * | 10265 | 34.1 | 16.0 | 50.1 | 68.2 | -18.1 | Peak | Horizontal |
| | 7681 | 34.0 | 12.8 | 46.8 | 74.0 | -27.2 | Peak | Vertical |
| | 8310 | 34.5 | 12.5 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| * | 8709.5 | 33.0 | 14.1 | 47.1 | 68.2 | -21.1 | Peak | Vertical |
| * | 10596.5 | 37.1 | 16.5 | 53.6 | 68.2 | -14.6 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode: | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 64 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7587.5 | 34.1 | 12.6 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
|  | 8267.5 | 32.7 | 12.4 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| * | 8692.5 | 34.5 | 14.2 | 48.7 | 68.2 | -19.5 | Peak | Horizontal |
| * | 10248 | 34.5 | 15.8 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| * | 7094.5 | 35.4 | 12.3 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 7961.5 | 34.4 | 12.6 | 47.0 | 68.2 | -21.2 | Peak | Vertical |
|  | 8301.5 | 34.0 | 12.5 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
|  | 10639 | 35.6 | 16.7 | 52.3 | 74.0 | -21.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode: | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 100 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7613 | 34.2 | 12.8 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| | 8369.5 | 34.4 | 12.8 | 47.2 | 74.0 | -26.8 | Peak | Horizontal |
| * | 8701 | 33.0 | 14.1 | 47.1 | 68.2 | -21.1 | Peak | Horizontal |
| * | 10282 | 33.8 | 16.1 | 49.9 | 68.2 | -18.3 | Peak | Horizontal |
| | 7460 | 34.3 | 12.8 | 47.1 | 74.0 | -26.9 | Peak | Vertical |
| | 8344 | 34.1 | 12.7 | 46.8 | 74.0 | -27.2 | Peak | Vertical |
| * | 8667 | 33.4 | 14.1 | 47.5 | 68.2 | -20.7 | Peak | Vertical |
| * | 9882.5 | 34.6 | 15.2 | 49.8 | 68.2 | -18.4 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 116 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7358 | 33.4 | 12.5 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| | 8199.5 | 31.8 | 12.5 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| * | 8743.5 | 33.3 | 14.4 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| * | 10214 | 33.9 | 15.7 | 49.6 | 68.2 | -18.6 | Peak | Horizontal |
| | 7562 | 33.8 | 12.8 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
| | 8174 | 31.8 | 12.6 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| * | 8718 | 33.2 | 14.1 | 47.3 | 68.2 | -20.9 | Peak | Vertical |
| * | 10129 | 33.8 | 15.5 | 49.3 | 68.2 | -18.9 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 140 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7579 | 34.5 | 12.6 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
| | 8267.5 | 33.5 | 12.4 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8743.5 | 33.0 | 14.4 | 47.4 | 68.2 | -20.8 | Peak | Horizontal |
| * | 10367 | 33.1 | 16.4 | 49.5 | 68.2 | -18.7 | Peak | Horizontal |
| | 7638.5 | 35.3 | 12.6 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 8301.5 | 33.6 | 12.5 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| * | 8701 | 33.8 | 14.1 | 47.9 | 68.2 | -20.3 | Peak | Vertical |
| * | 10282 | 33.4 | 16.1 | 49.5 | 68.2 | -18.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 144 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7485.5 | 33.3 | 12.9 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| | 8344 | 34.2 | 12.7 | 46.9 | 74.0 | -27.1 | Peak | Horizontal |
| * | 8624.5 | 34.7 | 13.6 | 48.3 | 68.2 | -19.9 | Peak | Horizontal |
| * | 9899.5 | 34.5 | 15.2 | 49.7 | 68.2 | -18.5 | Peak | Horizontal |
| | 7621.5 | 34.2 | 12.8 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| | 8412 | 33.4 | 12.9 | 46.3 | 74.0 | -27.7 | Peak | Vertical |
| * | 8743.5 | 33.0 | 14.4 | 47.4 | 68.2 | -20.8 | Peak | Vertical |
| * | 10290.5 | 33.2 | 16.1 | 49.3 | 68.2 | -18.9 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 149 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7443 | 31.9 | 12.6 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 8267.5 | 34.2 | 12.4 | 46.6 | 74.0 | -27.4 | Peak | Horizontal |
| * | 8752 | 33.1 | 14.6 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| * | 9772 | 34.2 | 15.1 | 49.3 | 68.2 | -18.9 | Peak | Horizontal |
| | 7621.5 | 34.5 | 12.8 | 47.3 | 74.0 | -26.7 | Peak | Vertical |
| | 8216.5 | 32.1 | 12.4 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| * | 8675.5 | 33.9 | 14.1 | 48.0 | 68.2 | -20.2 | Peak | Vertical |
| * | 10265 | 34.1 | 16.0 | 50.1 | 68.2 | -18.1 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 157 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7562 | 34.3 | 12.8 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
|  | 8327 | 36.0 | 12.6 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 8692.5 | 33.4 | 14.2 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| * | 9959 | 34.2 | 15.2 | 49.4 | 68.2 | -18.8 | Peak | Horizontal |
|  | 7383.5 | 33.8 | 12.7 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
|  | 8276 | 34.5 | 12.5 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| * | 8803 | 33.6 | 14.4 | 48.0 | 68.2 | -20.2 | Peak | Vertical |
| * | 10239.5 | 34.3 | 15.7 | 50.0 | 68.2 | -18.2 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode: | 802.11a - Ant 0 + 1 (CDD Mode) |
| Test Channel | 165 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.4 | 12.8 | 47.2 | 74.0 | -26.8 | Peak | Horizontal |
| | 8242 | 32.1 | 12.4 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| * | 8743.5 | 33.7 | 14.4 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| * | 10333 | 33.7 | 16.3 | 50.0 | 68.2 | -18.2 | Peak | Horizontal |
| | 7468.5 | 33.6 | 12.9 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8310 | 33.3 | 12.5 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| * | 8735 | 32.5 | 14.3 | 46.8 | 68.2 | -21.4 | Peak | Vertical |
| * | 10282 | 33.7 | 16.1 | 49.8 | 68.2 | -18.4 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 36 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7562 | 34.1 | 12.8 | 46.9 | 74.0 | -27.1 | Peak | Horizontal |
| | 8276 | 32.5 | 12.5 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| * | 8735 | 34.0 | 14.3 | 48.3 | 68.2 | -19.9 | Peak | Horizontal |
| * | 10367 | 33.6 | 16.4 | 50.0 | 68.2 | -18.2 | Peak | Horizontal |
| | 7400.5 | 34.1 | 12.9 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| | 8250.5 | 32.6 | 12.4 | 45.0 | 74.0 | -29.0 | Peak | Vertical |
| * | 8735 | 33.0 | 14.3 | 47.3 | 68.2 | -20.9 | Peak | Vertical |
| * | 10358.5 | 34.1 | 16.4 | 50.5 | 68.2 | -17.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 44 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 33.3 | 12.7 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| | 8310 | 33.4 | 12.5 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8794.5 | 34.0 | 14.4 | 48.4 | 68.2 | -19.8 | Peak | Horizontal |
| * | 10350 | 34.0 | 16.4 | 50.4 | 68.2 | -17.8 | Peak | Horizontal |
| | 7587.5 | 34.2 | 12.6 | 46.8 | 74.0 | -27.2 | Peak | Vertical |
| | 8208 | 31.8 | 12.5 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| * | 8735 | 33.8 | 14.3 | 48.1 | 68.2 | -20.1 | Peak | Vertical |
| * | 9959 | 33.6 | 15.2 | 48.8 | 68.2 | -19.4 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 48 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7613 | 35.3 | 12.8 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| | 8335.5 | 33.2 | 12.7 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8692.5 | 33.5 | 14.2 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| * | 10265 | 33.6 | 16.0 | 49.6 | 68.2 | -18.6 | Peak | Horizontal |
| | 7621.5 | 34.6 | 12.8 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| | 8242 | 31.8 | 12.4 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| * | 8760.5 | 33.4 | 14.5 | 47.9 | 68.2 | -20.3 | Peak | Vertical |
| * | 10477.5 | 34.0 | 16.4 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 52 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7596 | 34.8 | 12.6 | 47.4 | 74.0 | -26.6 | Peak | Horizontal |
| | 8403.5 | 33.5 | 13.0 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| * | 8769 | 33.5 | 14.5 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| * | 10350 | 33.8 | 16.4 | 50.2 | 68.2 | -18.0 | Peak | Horizontal |
| | 7621.5 | 35.1 | 12.8 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| | 8284.5 | 33.8 | 12.5 | 46.3 | 74.0 | -27.7 | Peak | Vertical |
| * | 8735 | 33.4 | 14.3 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 10520 | 36.6 | 16.3 | 52.9 | 68.2 | -15.3 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 60 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 34.0 | 12.7 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8242 | 32.3 | 12.4 | 44.7 | 74.0 | -29.3 | Peak | Horizontal |
| * | 8735 | 34.0 | 14.3 | 48.3 | 68.2 | -19.9 | Peak | Horizontal |
| * | 10324.5 | 34.0 | 16.3 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| | 7562 | 34.4 | 12.8 | 47.2 | 74.0 | -26.8 | Peak | Vertical |
| | 8276 | 32.8 | 12.5 | 45.3 | 74.0 | -28.7 | Peak | Vertical |
| * | 8735 | 32.5 | 14.3 | 46.8 | 68.2 | -21.4 | Peak | Vertical |
| * | 9814.5 | 34.0 | 15.0 | 49.0 | 68.2 | -19.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 64 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7375 | 34.4 | 12.6 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| | 8310 | 32.8 | 12.5 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| * | 8743.5 | 33.9 | 14.4 | 48.3 | 68.2 | -19.9 | Peak | Horizontal |
| * | 10265 | 33.9 | 16.0 | 49.9 | 68.2 | -18.3 | Peak | Horizontal |
| | 7417.5 | 33.3 | 12.9 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| | 8386.5 | 33.8 | 12.9 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| * | 8743.5 | 33.6 | 14.4 | 48.0 | 68.2 | -20.2 | Peak | Vertical |
| * | 10358.5 | 33.8 | 16.4 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 100 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7400.5 | 34.0 | 12.9 | 46.9 | 74.0 | -27.1 | Peak | Horizontal |
|  | 8403.5 | 34.1 | 13.0 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
| * | 8854 | 30.5 | 14.4 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| * | 10358.5 | 33.2 | 16.4 | 49.6 | 68.2 | -18.6 | Peak | Horizontal |
|  | 7332.5 | 34.7 | 12.8 | 47.5 | 74.0 | -26.5 | Peak | Vertical |
|  | 8318.5 | 33.6 | 12.6 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| * | 8675.5 | 32.9 | 14.1 | 47.0 | 68.2 | -21.2 | Peak | Vertical |
| * | 9874 | 33.7 | 15.1 | 48.8 | 68.2 | -19.4 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 116 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7332.5 | 34.7 | 12.8 | 47.5 | 74.0 | -26.5 | Peak | Horizontal |
| | 8318.5 | 33.6 | 12.6 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| * | 8675.5 | 32.9 | 14.1 | 47.0 | 68.2 | -21.2 | Peak | Horizontal |
| * | 9874 | 33.7 | 15.1 | 48.8 | 68.2 | -19.4 | Peak | Horizontal |
| | 7443 | 33.9 | 12.6 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8284.5 | 33.0 | 12.5 | 45.5 | 74.0 | -28.5 | Peak | Vertical |
| * | 8743.5 | 33.2 | 14.4 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| * | 9772 | 33.7 | 15.1 | 48.8 | 68.2 | -19.4 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 140 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 34.7 | 12.7 | 47.4 | 74.0 | -26.6 | Peak | Horizontal |
| | 8284.5 | 33.3 | 12.5 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 8726.5 | 34.1 | 14.2 | 48.3 | 68.2 | -19.9 | Peak | Horizontal |
| * | 10052.5 | 34.7 | 15.3 | 50.0 | 68.2 | -18.2 | Peak | Horizontal |
| | 7536.5 | 33.4 | 12.7 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| | 8301.5 | 34.3 | 12.5 | 46.8 | 74.0 | -27.2 | Peak | Vertical |
| * | 8743.5 | 34.1 | 14.4 | 48.5 | 68.2 | -19.7 | Peak | Vertical |
| * | 9891 | 34.3 | 15.2 | 49.5 | 68.2 | -18.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 144 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7553.5 | 33.6 | 12.8 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| | 8208 | 32.1 | 12.5 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| * | 8735 | 34.4 | 14.3 | 48.7 | 68.2 | -19.5 | Peak | Horizontal |
| * | 9840 | 34.3 | 15.1 | 49.4 | 68.2 | -18.8 | Peak | Horizontal |
| | 7409 | 34.1 | 12.9 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| | 8335.5 | 34.6 | 12.7 | 47.3 | 74.0 | -26.7 | Peak | Vertical |
| * | 8752 | 33.1 | 14.6 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 9899.5 | 33.8 | 15.2 | 49.0 | 68.2 | -19.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 149 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 33.1 | 12.7 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| | 8301.5 | 33.4 | 12.5 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8658.5 | 33.3 | 14.0 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| * | 9908 | 33.7 | 15.2 | 48.9 | 68.2 | -19.3 | Peak | Horizontal |
| | 7528 | 32.9 | 12.7 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| | 8267.5 | 33.2 | 12.4 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| * | 8743.5 | 32.1 | 14.4 | 46.5 | 68.2 | -21.7 | Peak | Vertical |
| * | 9789 | 33.4 | 15.0 | 48.4 | 68.2 | -19.8 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 157 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7638.5 | 34.5 | 12.6 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
| | 8216.5 | 32.7 | 12.4 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| * | 8743.5 | 33.3 | 14.4 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| * | 10367 | 33.7 | 16.4 | 50.1 | 68.2 | -18.1 | Peak | Horizontal |
| | 7434.5 | 32.5 | 12.7 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 8284.5 | 33.2 | 12.5 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| * | 8743.5 | 34.2 | 14.4 | 48.6 | 68.2 | -19.6 | Peak | Vertical |
| * | 9891 | 34.2 | 15.2 | 49.4 | 68.2 | -18.8 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 165 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 34.5 | 12.7 | 47.2 | 74.0 | -26.8 | Peak | Horizontal |
| | 8293 | 32.8 | 12.5 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| * | 8701 | 34.0 | 14.1 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| * | 9712.5 | 34.5 | 15.0 | 49.5 | 68.2 | -18.7 | Peak | Horizontal |
| | 7604.5 | 34.3 | 12.7 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| | 8276 | 33.8 | 12.5 | 46.3 | 74.0 | -27.7 | Peak | Vertical |
| * | 8752 | 33.7 | 14.6 | 48.3 | 68.2 | -19.9 | Peak | Vertical |
| * | 10273.5 | 33.7 | 16.1 | 49.8 | 68.2 | -18.4 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 38 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7681 | 34.6 | 12.8 | 47.4 | 74.0 | -26.6 | Peak | Horizontal |
| | 8361 | 33.1 | 12.7 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 8752 | 33.9 | 14.6 | 48.5 | 68.2 | -19.7 | Peak | Horizontal |
| * | 9908 | 34.3 | 15.2 | 49.5 | 68.2 | -18.7 | Peak | Horizontal |
| | 7460 | 33.1 | 12.8 | 45.9 | 74.0 | -28.1 | Peak | Vertical |
| | 8276 | 32.3 | 12.5 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| * | 8752 | 34.1 | 14.6 | 48.7 | 68.2 | -19.5 | Peak | Vertical |
| * | 9959 | 34.0 | 15.2 | 49.2 | 68.2 | -19.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 46 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7528 | 33.3 | 12.7 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
|  | 8310 | 33.0 | 12.5 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 8760.5 | 33.6 | 14.5 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| * | 9899.5 | 34.1 | 15.2 | 49.3 | 68.2 | -18.9 | Peak | Horizontal |
|  | 7553.5 | 34.4 | 12.8 | 47.2 | 74.0 | -26.8 | Peak | Vertical |
|  | 8369.5 | 33.9 | 12.8 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| * | 8735 | 33.3 | 14.3 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| * | 9882.5 | 34.7 | 15.2 | 49.9 | 68.2 | -18.3 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 54 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7536.5 | 33.0 | 12.7 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 8259 | 32.6 | 12.4 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| * | 8726.5 | 34.0 | 14.2 | 48.2 | 68.2 | -20.0 | Peak | Horizontal |
| * | 10333 | 34.3 | 16.3 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| | 7502.5 | 33.6 | 12.7 | 46.3 | 74.0 | -27.7 | Peak | Vertical |
| | 8318.5 | 32.3 | 12.6 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| * | 8701 | 32.9 | 14.1 | 47.0 | 68.2 | -21.2 | Peak | Vertical |
| * | 10537 | 35.0 | 16.2 | 51.2 | 68.2 | -17.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 62 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7400.5 | 32.7 | 12.9 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| | 8233.5 | 32.8 | 12.4 | 45.2 | 74.0 | -28.8 | Peak | Horizontal |
| * | 8735 | 33.0 | 14.3 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| * | 10120.5 | 33.7 | 15.3 | 49.0 | 68.2 | -19.2 | Peak | Horizontal |
| | 7536.5 | 34.9 | 12.7 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
| | 8276 | 32.7 | 12.5 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| * | 8752 | 33.2 | 14.6 | 47.8 | 68.2 | -20.4 | Peak | Vertical |
| * | 10282 | 33.0 | 16.1 | 49.1 | 68.2 | -19.1 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 102 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7502.5 | 31.8 | 12.7 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 8378 | 32.1 | 12.9 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| * | 8675.5 | 33.7 | 14.1 | 47.8 | 68.2 | -20.4 | Peak | Horizontal |
| * | 9857 | 33.9 | 15.1 | 49.0 | 68.2 | -19.2 | Peak | Horizontal |
| | 7502.5 | 33.2 | 12.7 | 45.9 | 74.0 | -28.1 | Peak | Vertical |
| | 8276 | 32.1 | 12.5 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| * | 8735 | 33.3 | 14.3 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| * | 10290.5 | 33.6 | 16.1 | 49.7 | 68.2 | -18.5 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
| --- | --- | --- | --- | --- |
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 110 | | | |
| 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 7400.5 | 33.6 | 12.9 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| | 8284.5 | 32.4 | 12.5 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| * | 8735 | 32.6 | 14.3 | 46.9 | 68.2 | -21.3 | Peak | Horizontal |
| * | 10273.5 | 33.7 | 16.1 | 49.8 | 68.2 | -18.4 | Peak | Horizontal |
| | 7400.5 | 34.8 | 12.9 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
| | 8318.5 | 33.3 | 12.6 | 45.9 | 74.0 | -28.1 | Peak | Vertical |
| * | 8692.5 | 33.6 | 14.2 | 47.8 | 68.2 | -20.4 | Peak | Vertical |
| * | 10282 | 34.0 | 16.1 | 50.1 | 68.2 | -18.1 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 134 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7468.5 | 33.5 | 12.9 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| | 8335.5 | 32.8 | 12.7 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 8726.5 | 33.1 | 14.2 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| * | 9865.5 | 34.5 | 15.1 | 49.6 | 68.2 | -18.6 | Peak | Horizontal |
| | 7587.5 | 33.8 | 12.6 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| | 8199.5 | 31.9 | 12.5 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| * | 8667 | 34.2 | 14.1 | 48.3 | 68.2 | -19.9 | Peak | Vertical |
| * | 10290.5 | 34.2 | 16.1 | 50.3 | 68.2 | -17.9 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 142 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 33.9 | 12.8 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8369.5 | 33.7 | 12.8 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| * | 8735 | 33.1 | 14.3 | 47.4 | 68.2 | -20.8 | Peak | Horizontal |
| * | 10307.5 | 35.0 | 16.2 | 51.2 | 68.2 | -17.0 | Peak | Horizontal |
| | 7613 | 34.5 | 12.8 | 47.3 | 74.0 | -26.7 | Peak | Vertical |
| | 8378 | 34.0 | 12.9 | 46.9 | 74.0 | -27.1 | Peak | Vertical |
| * | 8718 | 33.9 | 14.1 | 48.0 | 68.2 | -20.2 | Peak | Vertical |
| * | 10154.5 | 33.9 | 15.4 | 49.3 | 68.2 | -18.9 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | Test Engineer | Hyde Yu |
|---|---|---|---|
| Test Date | 2021/02/20 | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 151 | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7511 | 32.7 | 12.6 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| | 8352.5 | 34.1 | 12.7 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| * | 8735 | 33.4 | 14.3 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| * | 10265 | 34.5 | 16.0 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| | 7545 | 33.7 | 12.8 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8165.5 | 31.9 | 12.6 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| * | 8709.5 | 33.7 | 14.1 | 47.8 | 68.2 | -20.4 | Peak | Vertical |
| * | 9831.5 | 34.1 | 15.1 | 49.2 | 68.2 | -19.0 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
| Test Date | 2021/02/20 | | Test Mode | 802.11n-HT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 159 | | | |
| 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 7477 | 33.6 | 13.0 | 46.6 | 74.0 | -27.4 | Peak | Horizontal |
| | 8318.5 | 33.6 | 12.6 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| * | 8769 | 33.5 | 14.5 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| * | 9891 | 34.1 | 15.2 | 49.3 | 68.2 | -18.9 | Peak | Horizontal |
| | 7536.5 | 34.0 | 12.7 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| | 8199.5 | 31.3 | 12.5 | 43.8 | 74.0 | -30.2 | Peak | Vertical |
| * | 8735 | 33.4 | 14.3 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 9874 | 34.1 | 15.1 | 49.2 | 68.2 | -19.0 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 36 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7664 | 34.6 | 12.5 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
| | 8344 | 34.3 | 12.7 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| * | 8675.5 | 34.1 | 14.1 | 48.2 | 68.2 | -20.0 | Peak | Horizontal |
| * | 9899.5 | 34.4 | 15.2 | 49.6 | 68.2 | -18.6 | Peak | Horizontal |
| | 7477 | 33.2 | 13.0 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| | 8327 | 33.4 | 12.6 | 46.0 | 74.0 | -28.0 | Peak | Vertical |
| * | 8726.5 | 34.2 | 14.2 | 48.4 | 68.2 | -19.8 | Peak | Vertical |
| * | 10358.5 | 34.3 | 16.4 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu | |
|---|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) | |
| Test Channel | 44 | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7528 | 33.7 | 12.7 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| | 8276 | 32.9 | 12.5 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| * | 8735 | 34.4 | 14.3 | 48.7 | 68.2 | -19.5 | Peak | Horizontal |
| * | 10307.5 | 34.1 | 16.2 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| | 7545 | 34.6 | 12.8 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| | 8267.5 | 33.7 | 12.4 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| * | 8718 | 33.3 | 14.1 | 47.4 | 68.2 | -20.8 | Peak | Vertical |
| * | 9865.5 | 33.4 | 15.1 | 48.5 | 68.2 | -19.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|-----------|--------|---|---------------|---------|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 48 | | | |
| 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 |
|------|-----------------|----------------------|-------------|------------------------|----------------|-------------|----------|--------------|
|   | 7562 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
|   | 8327 | 33.7 | 12.0 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| * | 8701 | 34.1 | 12.6 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| * | 9899.5 | 33.1 | 13.2 | 46.3 | 68.2 | -21.9 | Peak | Horizontal |
|   | 7621.5 | 34.9 | 12.3 | 47.2 | 74.0 | -26.8 | Peak | Vertical |
|   | 8327 | 34.4 | 12.0 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| * | 8743.5 | 36.9 | 12.8 | 49.7 | 68.2 | -18.5 | Peak | Vertical |
| * | 10477.5 | 38.5 | 14.4 | 52.9 | 68.2 | -15.3 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 52 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7672.5 | 35.3 | 12.1 | 47.4 | 74.0 | -26.6 | Peak | Horizontal |
| | 8352.5 | 33.6 | 12.1 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| * | 8692.5 | 33.6 | 12.6 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| * | 10511.5 | 35.4 | 14.5 | 49.9 | 68.2 | -18.3 | Peak | Horizontal |
| | 7638.5 | 35.0 | 12.1 | 47.1 | 74.0 | -26.9 | Peak | Vertical |
| | 8310 | 34.5 | 11.9 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| * | 8675.5 | 33.8 | 12.6 | 46.4 | 68.2 | -21.8 | Peak | Vertical |
| * | 10511.5 | 36.5 | 14.5 | 51.0 | 68.2 | -17.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 60 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.7 | 12.2 | 46.9 | 74.0 | -27.1 | Peak | Horizontal |
| | 8386.5 | 33.6 | 12.2 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 8667 | 33.2 | 12.6 | 45.8 | 68.2 | -22.4 | Peak | Horizontal |
| * | 10375.5 | 34.6 | 14.5 | 49.1 | 68.2 | -19.1 | Peak | Horizontal |
| | 7604.5 | 35.0 | 12.2 | 47.2 | 74.0 | -26.8 | Peak | Vertical |
| | 8344 | 34.7 | 12.1 | 46.8 | 74.0 | -27.2 | Peak | Vertical |
| * | 8735 | 33.1 | 12.7 | 45.8 | 68.2 | -22.4 | Peak | Vertical |
| * | 10282 | 33.6 | 14.4 | 48.0 | 68.2 | -20.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 64 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 35.3 | 12.2 | 47.5 | 74.0 | -26.5 | Peak | Horizontal |
| | 8259 | 33.8 | 11.7 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 8769 | 33.8 | 12.9 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| * | 10248 | 34.1 | 14.1 | 48.2 | 68.2 | -20.0 | Peak | Horizontal |
| | 7647 | 34.7 | 12.0 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| | 8310 | 33.3 | 11.9 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| * | 8743.5 | 33.5 | 12.8 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| * | 10273.5 | 33.9 | 14.3 | 48.2 | 68.2 | -20.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 100 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.8 | 12.2 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| | 8284.5 | 34.4 | 11.8 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| * | 8726.5 | 34.0 | 12.6 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| * | 10256.5 | 33.9 | 14.2 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| | 7621.5 | 34.1 | 12.3 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| | 8378 | 33.4 | 12.2 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| * | 8735 | 33.6 | 12.7 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| * | 10307.5 | 33.8 | 14.4 | 48.2 | 68.2 | -20.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 116 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.6 | 12.2 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| | 8378 | 34.1 | 12.2 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| * | 8692.5 | 34.1 | 12.6 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| * | 10528.5 | 33.7 | 14.3 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 7698 | 35.0 | 12.2 | 47.2 | 74.0 | -26.8 | Peak | Vertical |
| | 8369.5 | 33.7 | 12.1 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| * | 8743.5 | 33.8 | 12.8 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| * | 10214 | 32.6 | 14.1 | 46.7 | 68.2 | -21.5 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 140 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8284.5 | 34.1 | 11.8 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8709.5 | 33.9 | 12.6 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| * | 10367 | 33.6 | 14.5 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| | 7621.5 | 34.1 | 12.3 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| | 8327 | 33.2 | 12.0 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| * | 8692.5 | 32.9 | 12.6 | 45.5 | 68.2 | -22.7 | Peak | Vertical |
| * | 10435 | 33.9 | 14.6 | 48.5 | 68.2 | -19.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 144 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7647 | 34.4 | 12.0 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
|  | 8242 | 32.2 | 11.7 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| * | 8735 | 32.8 | 12.7 | 45.5 | 68.2 | -22.7 | Peak | Horizontal |
| * | 10222.5 | 33.8 | 14.0 | 47.8 | 68.2 | -20.4 | Peak | Horizontal |
|  | 7630 | 34.4 | 12.2 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
|  | 8208 | 34.2 | 11.6 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| * | 8735 | 34.8 | 12.7 | 47.5 | 68.2 | -20.7 | Peak | Vertical |
| * | 10299 | 33.6 | 14.4 | 48.0 | 68.2 | -20.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 149 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7655.5 | 35.6 | 12.0 | 47.6 | 74.0 | -26.4 | Peak | Horizontal |
| | 8301.5 | 34.2 | 11.9 | 46.1 | 74.0 | -27.9 | Peak | Horizontal |
| * | 8718 | 33.6 | 12.5 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| * | 10392.5 | 33.6 | 14.5 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| | 7545 | 34.4 | 12.2 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
| | 8335.5 | 33.7 | 12.1 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| * | 8667 | 33.3 | 12.6 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| * | 10197 | 34.0 | 14.0 | 48.0 | 68.2 | -20.2 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 157 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7494 | 34.1 | 12.1 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| | 8327 | 33.4 | 12.0 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| * | 8701 | 33.3 | 12.6 | 45.9 | 68.2 | -22.3 | Peak | Horizontal |
| * | 10205.5 | 34.4 | 14.0 | 48.4 | 68.2 | -19.8 | Peak | Horizontal |
| | 7621.5 | 34.2 | 12.3 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8352.5 | 33.4 | 12.1 | 45.5 | 74.0 | -28.5 | Peak | Vertical |
| * | 8692.5 | 32.9 | 12.6 | 45.5 | 68.2 | -22.7 | Peak | Vertical |
| * | 10265 | 33.7 | 14.3 | 48.0 | 68.2 | -20.2 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 165 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7587.5 | 34.6 | 12.1 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8361 | 33.8 | 12.1 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8667 | 33.5 | 12.6 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| * | 10307.5 | 33.5 | 14.4 | 47.9 | 68.2 | -20.3 | Peak | Horizontal |
| | 7681 | 33.9 | 12.2 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| | 8386.5 | 33.6 | 12.2 | 45.8 | 74.0 | -28.2 | Peak | Vertical |
| * | 8718 | 35.7 | 12.5 | 48.2 | 68.2 | -20.0 | Peak | Vertical |
| * | 10273.5 | 34.3 | 14.3 | 48.6 | 68.2 | -19.6 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 38 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
|  | 7655.5 | 34.8 | 12.0 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
|  | 8301.5 | 33.4 | 11.9 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| * | 8726.5 | 34.3 | 12.6 | 46.9 | 68.2 | -21.3 | Peak | Horizontal |
| * | 10282 | 34.2 | 14.4 | 48.6 | 68.2 | -19.6 | Peak | Horizontal |
|  | 7630 | 34.3 | 12.2 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
|  | 8250.5 | 33.0 | 11.7 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| * | 8726.5 | 34.0 | 12.6 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| * | 10299 | 33.6 | 14.4 | 48.0 | 68.2 | -20.2 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | Test Engineer | Hyde Yu |
|---|---|---|---|
| Test Date | 2021/02/20 | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 46 | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7647 | 34.8 | 12.0 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| | 8310 | 33.8 | 11.9 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| * | 8726.5 | 33.7 | 12.6 | 46.3 | 68.2 | -21.9 | Peak | Horizontal |
| * | 10265 | 34.6 | 14.3 | 48.9 | 68.2 | -19.3 | Peak | Horizontal |
| | 7630 | 34.4 | 12.2 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
| | 8352.5 | 33.1 | 12.1 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| * | 8718 | 34.0 | 12.5 | 46.5 | 68.2 | -21.7 | Peak | Vertical |
| * | 10214 | 34.3 | 14.1 | 48.4 | 68.2 | -19.8 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 54 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7596 | 34.4 | 12.1 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| | 8480 | 33.3 | 12.2 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 8726.5 | 34.3 | 12.6 | 46.9 | 68.2 | -21.3 | Peak | Horizontal |
| * | 10290.5 | 33.7 | 14.3 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 7638.5 | 34.0 | 12.1 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| | 8378 | 34.1 | 12.2 | 46.3 | 74.0 | -27.7 | Peak | Vertical |
| * | 8743.5 | 33.4 | 12.8 | 46.2 | 68.2 | -22.0 | Peak | Vertical |
| * | 10239.5 | 34.1 | 14.0 | 48.1 | 68.2 | -20.1 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
| --- | --- | --- | --- | --- |
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 62 | | | |
| 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 7613 | 34.4 | 12.3 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8318.5 | 33.4 | 12.0 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| * | 8794.5 | 33.5 | 12.8 | 46.3 | 68.2 | -21.9 | Peak | Horizontal |
| * | 10511.5 | 33.5 | 14.5 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 7562 | 34.7 | 12.2 | 46.9 | 74.0 | -27.1 | Peak | Vertical |
| | 8369.5 | 33.5 | 12.1 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| * | 8692.5 | 34.0 | 12.6 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| * | 10350 | 32.2 | 14.5 | 46.7 | 68.2 | -21.5 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 102 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7621.5 | 34.0 | 12.3 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| | 8403.5 | 33.3 | 12.2 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 8684 | 33.4 | 12.6 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| * | 10239.5 | 33.3 | 14.0 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| | 7570.5 | 34.4 | 12.1 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8369.5 | 34.5 | 12.1 | 46.6 | 74.0 | -27.4 | Peak | Vertical |
| * | 8684 | 34.2 | 12.6 | 46.8 | 68.2 | -21.4 | Peak | Vertical |
| * | 10222.5 | 33.9 | 14.0 | 47.9 | 68.2 | -20.3 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 110 | | | |
| 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 7630 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8284.5 | 33.4 | 11.8 | 45.2 | 74.0 | -28.8 | Peak | Horizontal |
| * | 8692.5 | 33.5 | 12.6 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| * | 10214 | 33.5 | 14.1 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| | 7647 | 35.0 | 12.0 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| | 8352.5 | 33.1 | 12.1 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| * | 8667 | 32.6 | 12.6 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| * | 10282 | 34.3 | 14.4 | 48.7 | 68.2 | -19.5 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 134 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7621.5 | 34.2 | 12.3 | 46.5 | 74.0 | -27.5 | Peak | Horizontal |
| | 8301.5 | 33.6 | 11.9 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| * | 8735 | 33.5 | 12.7 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| * | 10214 | 33.9 | 14.1 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 7630 | 34.7 | 12.2 | 46.9 | 74.0 | -27.1 | Peak | Vertical |
| | 8344 | 33.6 | 12.1 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| * | 8701 | 33.3 | 12.6 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| * | 10384 | 33.7 | 14.5 | 48.2 | 68.2 | -20.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 142 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7647 | 35.0 | 12.0 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| | 8386.5 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| * | 8726.5 | 33.6 | 12.6 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| * | 10256.5 | 34.3 | 14.2 | 48.5 | 68.2 | -19.7 | Peak | Horizontal |
| | 7536.5 | 33.3 | 12.1 | 45.4 | 74.0 | -28.6 | Peak | Vertical |
| | 8284.5 | 33.0 | 11.8 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| * | 8743.5 | 33.5 | 12.8 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| * | 10273.5 | 33.9 | 14.3 | 48.2 | 68.2 | -20.0 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 151 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7638.5 | 35.2 | 12.1 | 47.3 | 74.0 | -26.7 | Peak | Horizontal |
| | 8361 | 33.5 | 12.1 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| * | 8735 | 33.3 | 12.7 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| * | 10137.5 | 33.8 | 13.9 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| | 7494 | 33.4 | 12.1 | 45.5 | 74.0 | -28.5 | Peak | Vertical |
| | 8293 | 33.6 | 11.9 | 45.5 | 74.0 | -28.5 | Peak | Vertical |
| * | 8752 | 34.5 | 13.0 | 47.5 | 68.2 | -20.7 | Peak | Vertical |
| * | 10137.5 | 33.2 | 13.9 | 47.1 | 68.2 | -21.1 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 159 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8089 | 34.1 | 11.8 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8556.5 | 34.2 | 12.1 | 46.3 | 68.2 | -21.9 | Peak | Horizontal |
| * | 9891 | 34.5 | 13.1 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| | 7545 | 34.2 | 12.2 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| | 8454.5 | 34.2 | 12.3 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| * | 8743.5 | 34.0 | 12.8 | 46.8 | 68.2 | -21.4 | Peak | Vertical |
| * | 10248 | 33.6 | 14.1 | 47.7 | 68.2 | -20.5 | 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.

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 Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 42 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7681 | 34.1 | 12.2 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| | 8361 | 33.8 | 12.1 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| * | 8743.5 | 33.3 | 12.8 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| * | 10333 | 33.6 | 14.5 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| | 7621.5 | 34.2 | 12.3 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8310 | 32.5 | 11.9 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| * | 8709.5 | 33.7 | 12.6 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| * | 10205.5 | 33.5 | 14.0 | 47.5 | 68.2 | -20.7 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 58 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7613 | 34.1 | 12.3 | 46.4 | 74.0 | -27.6 | Peak | Horizontal |
| | 8361 | 33.7 | 12.1 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 8675.5 | 34.5 | 12.6 | 47.1 | 68.2 | -21.1 | Peak | Horizontal |
| * | 10392.5 | 33.1 | 14.5 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| | 7587.5 | 34.4 | 12.1 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8395 | 33.5 | 12.2 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| * | 8718 | 34.9 | 12.5 | 47.4 | 68.2 | -20.8 | Peak | Vertical |
| * | 10248 | 34.2 | 14.1 | 48.3 | 68.2 | -19.9 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 106 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 34.1 | 12.2 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| | 8386.5 | 34.8 | 12.2 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| * | 8701 | 34.0 | 12.6 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| * | 10214 | 34.0 | 14.1 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| | 7604.5 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| | 8327 | 33.1 | 12.0 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| * | 8701 | 33.4 | 12.6 | 46.0 | 68.2 | -22.2 | Peak | Vertical |
| * | 10214 | 34.0 | 14.1 | 48.1 | 68.2 | -20.1 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | | Test Engineer | Hyde Yu | |
|---|---|---|---|---|---|---|
| Test Date | 2021/02/20 | | | Test Mode | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) | |
| Test Channel | 122 | | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7604.5 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| | 8276 | 31.7 | 11.8 | 43.5 | 74.0 | -30.5 | Peak | Horizontal |
| * | 8888 | 31.4 | 13.0 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| * | 10265 | 33.2 | 14.3 | 47.5 | 68.2 | -20.7 | Peak | Horizontal |
| | 7477 | 34.5 | 12.2 | 46.7 | 74.0 | -27.3 | Peak | Vertical |
| | 8386.5 | 34.2 | 12.2 | 46.4 | 74.0 | -27.6 | Peak | Vertical |
| * | 8718 | 33.9 | 12.5 | 46.4 | 68.2 | -21.8 | Peak | Vertical |
| * | 10290.5 | 33.4 | 14.3 | 47.7 | 68.2 | -20.5 | Peak | Vertical |

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

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

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 138 | | | |
| Remark: | 3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 7570.5 | 34.0 | 12.1 | 46.1 | 74.0 | -27.9 | Peak | Horizontal |
| | 8344 | 34.5 | 12.1 | 46.6 | 74.0 | -27.4 | Peak | Horizontal |
| * | 8701 | 34.3 | 12.6 | 46.9 | 68.2 | -21.3 | Peak | Horizontal |
| * | 10392.5 | 34.2 | 14.5 | 48.7 | 68.2 | -19.5 | Peak | Horizontal |
| | 7562 | 34.0 | 12.2 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| | 8378 | 34.1 | 12.2 | 46.3 | 74.0 | -27.7 | Peak | Vertical |
| * | 8820 | 33.0 | 12.9 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| * | 10154.5 | 33.3 | 13.8 | 47.1 | 68.2 | -21.1 | Peak | Vertical |

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.
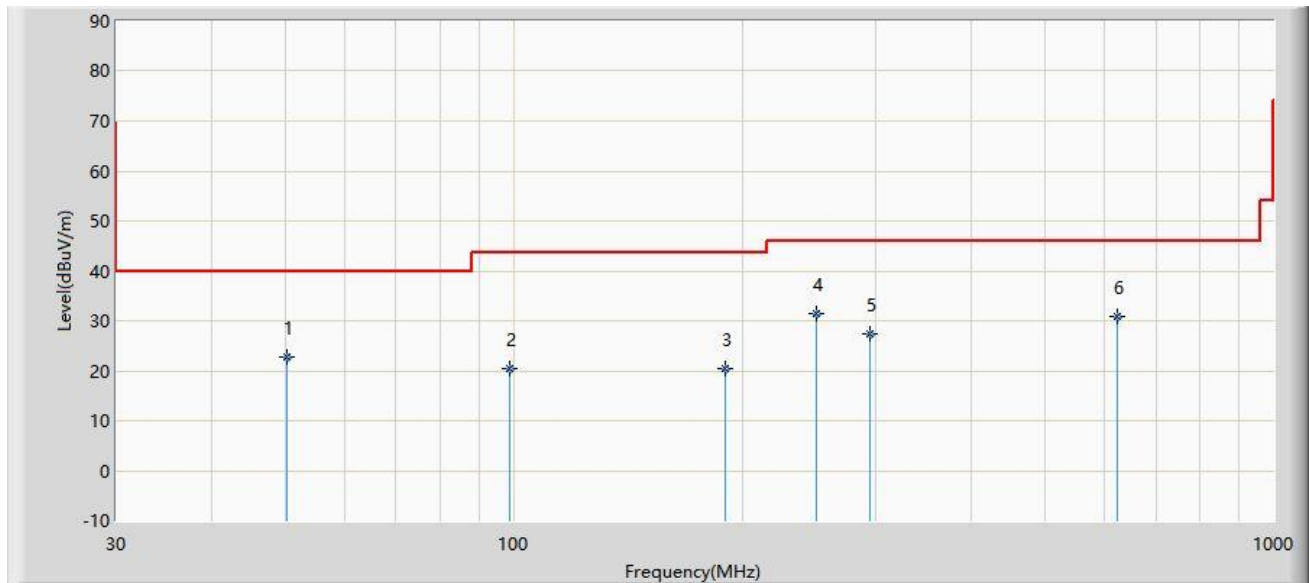
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

| Test Site | WZ-AC2 | | Test Engineer | Hyde Yu |
|---|---|---|---|---|
| Test Date | 2021/02/20 | | Test Mode | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) |
| Test Channel | 155 | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| | 7630 | 34.1 | 12.2 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| | 8276 | 33.0 | 11.8 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| * | 8726.5 | 33.8 | 12.6 | 46.4 | 68.2 | -21.8 | Peak | Horizontal |
| * | 10265 | 33.5 | 14.3 | 47.8 | 68.2 | -20.4 | Peak | Horizontal |
| | 7613 | 34.2 | 12.3 | 46.5 | 74.0 | -27.5 | Peak | Vertical |
| | 8454.5 | 33.3 | 12.3 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| * | 8777.5 | 33.4 | 12.8 | 46.2 | 68.2 | -22.0 | Peak | Vertical |
| * | 10273.5 | 34.1 | 14.3 | 48.4 | 68.2 | -19.8 | 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.
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

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

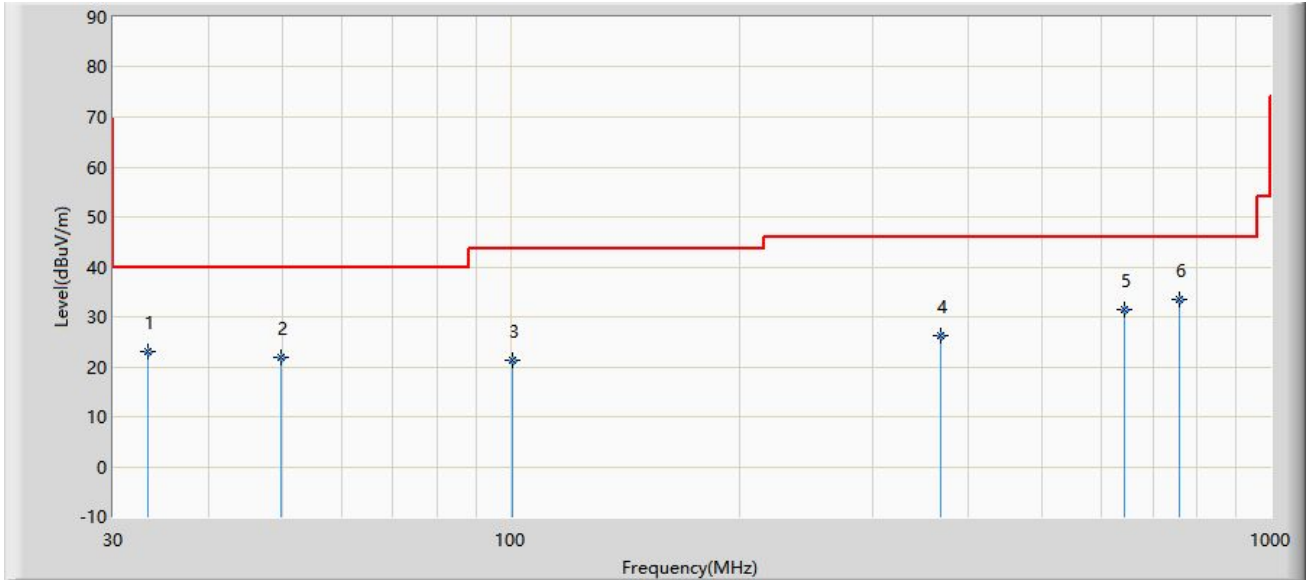| | |
|---|---|
| Site: WZ-AC2 | Time: 2021/02/09 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Buter Shi |
| Probe: WZ-AC2_VULB9162_0.03-7GHz | Polarity: Horizontal |
| EUT: WIFI+BT Combo Module | Power: By USB |
| Test Mode: Transmit by 802.11a at Channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 50.360 | 22.893 | 2.260 | -17.107 | 40.000 | 20.633 | QP |
| 2 | | | 98.890 | 20.429 | 1.960 | -23.071 | 43.500 | 18.468 | QP |
| 3 | | | 190.050 | 20.562 | 2.640 | -22.938 | 43.500 | 17.922 | QP |
| 4 | | * | 250.160 | 31.477 | 11.490 | -14.523 | 46.000 | 19.987 | QP |
| 5 | | | 294.880 | 27.436 | 6.560 | -18.564 | 46.000 | 20.876 | QP |
| 6 | | | 624.120 | 30.915 | 3.650 | -15.085 | 46.000 | 27.265 | QP |

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

| Site: WZ-AC2 | Time: 2021/02/09 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Buter Shi |
| Probe: WZ-AC2_VULB9162_0.03-7GHz | Polarity: Vertical |
| EUT: WIFI+BT Combo Module | Power: By USB |
| Test Mode: Transmit by 802.11a at Channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 33.390 | 23.076 | 5.460 | -16.924 | 40.000 | 17.617 | QP |
| 2 | | | 49.886 | 22.002 | 1.390 | -17.998 | 40.000 | 20.612 | QP |
| 3 | | | 100.800 | 21.236 | 2.650 | -22.264 | 43.500 | 18.586 | QP |
| 4 | | | 368.550 | 26.138 | 3.710 | -19.862 | 46.000 | 22.427 | QP |
| 5 | | | 641.100 | 31.530 | 4.060 | -14.470 | 46.000 | 27.470 | QP |
| 6 | | * | 759.960 | 33.504 | 3.860 | -12.496 | 46.000 | 29.644 | QP |

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

**Unwanted Emission in 5250MHz~5350MHz Band Result:**

| Test Site | WZ-TR3 | Test Engineer | Luis Yang |
|-----------|--------|---------------|-----------|
| Test Date | 2021/02/24 | | |

| Test Mode | Data Rate/ MCS | Channel No. | Frequency (MHz) | Max Reading Level (dBm) | Limit (dBm) | Result |
|-----------|----------------|-------------|-----------------|-------------------------|-------------|--------|
| Ant 0 / Ant 0 + 1 | | | | | | |
| 802.11a | 6Mbps | 48 | 5240 | -36.13 | -14.84 | Pass |
| 802.11n-HT20 | MCS0 | 48 | 5240 | -33.31 | -16.15 | Pass |
| 802.11n-HT40 | MCS0 | 46 | 5230 | -26.61 | -16.23 | Pass |
| 802.11ac-VHT20 | MCS0 | 48 | 5240 | -34.58 | -16.10 | Pass |
| 802.11ac-VHT40 | MCS0 | 46 | 5230 | -26.16 | -16.47 | Pass |
| 802.11ac-VHT80 | MCS0 | 42 | 5210 | -26.09 | -17.52 | Pass |
| Ant 1 / Ant 0 + 1 | | | | | | |
| 802.11a | 6Mbps | 48 | 5240 | -35.38 | -14.81 | Pass |
| 802.11n-HT20 | MCS0 | 48 | 5240 | -32.92 | -15.82 | Pass |
| 802.11n-HT40 | MCS0 | 46 | 5230 | -27.56 | -16.40 | Pass |
| 802.11ac-VHT20 | MCS0 | 48 | 5240 | -31.46 | -15.97 | Pass |
| 802.11ac-VHT40 | MCS0 | 46 | 5230 | -25.17 | -16.39 | Pass |
| 802.11ac-VHT80 | MCS0 | 42 | 5210 | -25.20 | -17.14 | Pass |

Note: Limit (dBm) = Each antenna port output power (dBm) - 26dB, output power is from ISED UNII-1 (5150-5250MHz).

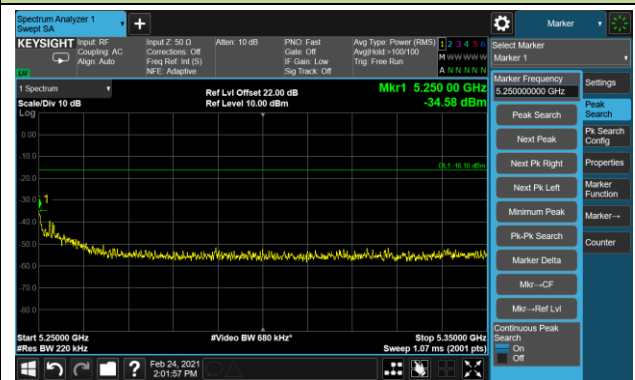## Result – Ant 0 / Ant 0+1

### 802.11a - Channel 48 (5240MHz)
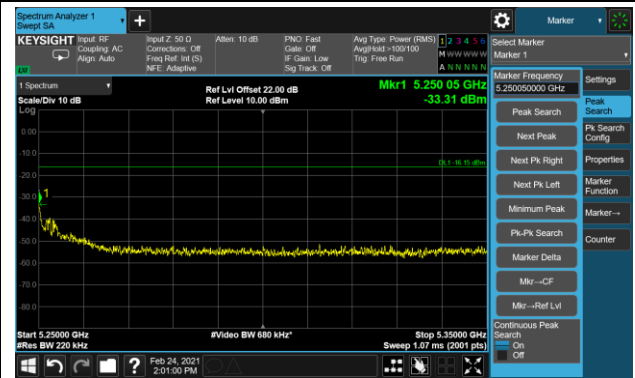


### 802.11n-HT20 - Channel 48 (5240MHz)



### 802.11 n-HT40 - Channel 46 (5230MHz)
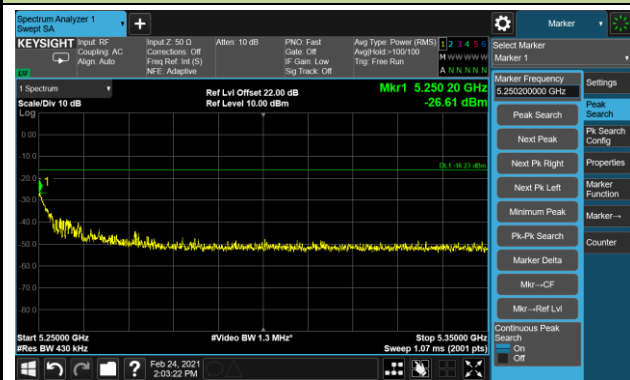


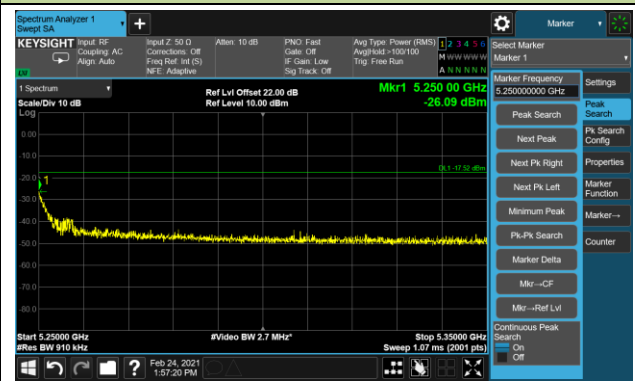### 802.11ac-VHT20 - Channel 48 (5240MHz)



### 802.11ac-VHT40 - Channel 46 (5230MHz)



### 802.11ac-VHT80 - Channel 42 (5210MHz)
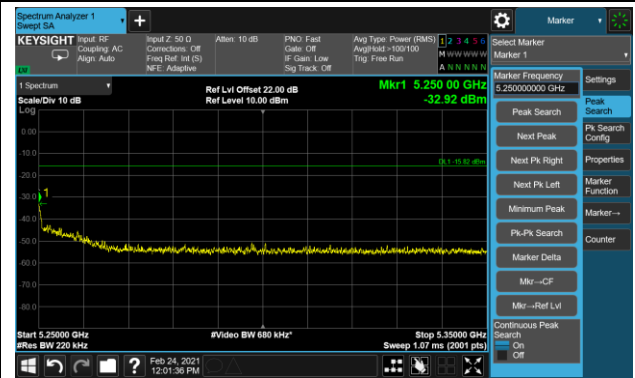
## Result – Ant 1 / Ant 0+1
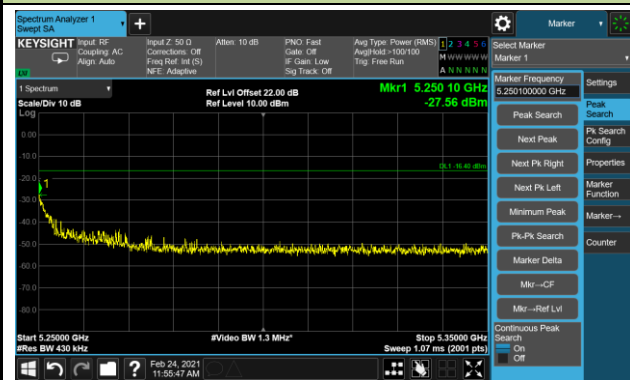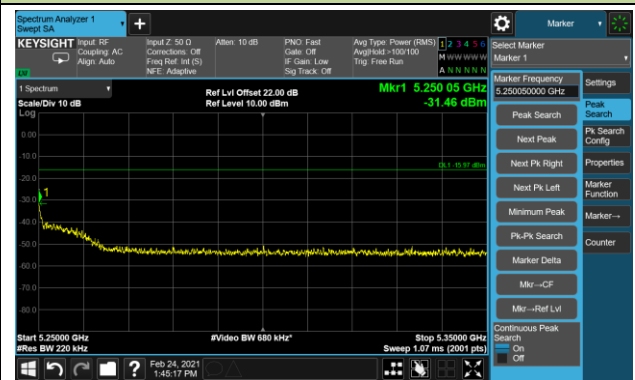
### 802.11a - Channel 48 (5240MHz)



### 802.11n-HT20 - Channel 48 (5240MHz)
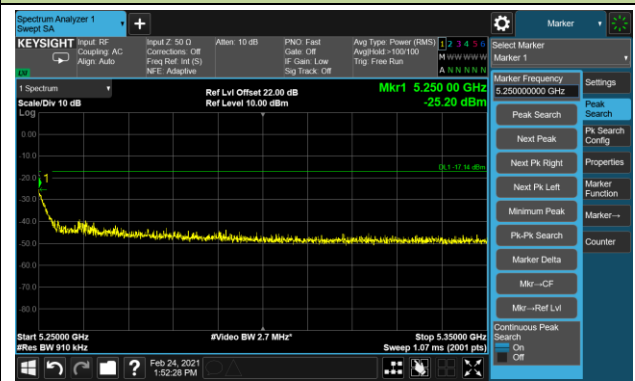


### 802.11 n-HT40 - Channel 46 (5230MHz)



### 802.11ac-VHT20 - Channel 48 (5240MHz)



### 802.11ac-VHT40 - Channel 46 (5230MHz)



### 802.11ac-VHT80 - Channel 42 (5210MHz)

## 6.9. Radiated Restricted Band Edge Measurement

### 6.9.1.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).

| Frequency (MHz) | Frequency (MHz) | Frequency (MHz) | Frequency (GHz) |
|---|---|---|---|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| [1] 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 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 - 156.525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2690 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | ([2]) |
| 13.36 - 13.41 | -- | -- | -- |

**For 15.407(b) requirement:**

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz

band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 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 shall be limited to a level of

−27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz

at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge

increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 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 47CFR must not exceed the limits shown in Table per Section 15.209.

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

**For RSS-Gen Section 8.10 requirement:**

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

| Restricted frequency bands* | | |
|---|---|---|
| Frequency (MHz) | Frequency (MHz) | Frequency (GHz) |
| 0.090- 0.110 | 149.9 - 150.05 | 9.0 - 9.2 |
| 0.495 - 0.505 | 156.52475 - 156.525225 | 9.3 - 9.5 |
| 2.1735 - 2.1905 | 156.7 - 156.9 | 10.6 - 12.7 |
| 3.020 - 3.026 | 162.0125 - 167.17 | 13.25 - 13.4 |
| 4.125-4.128 | 167.72 - 173.2 | 14.47 - 14.5 |
| 4.17725-4.17775 | 240 - 285 | 15.35 - 16.2 |
| 4.20725-4.20775 | 322 - 335.4 | 17.7 - 21.4 |
| 5.677 - 5.683 | 399.9 - 410 | 22.01 - 23.12 |
| 6.215 - 6.218 | 608 - 614 | 23.6 - 24.0 |
| 6.26775 - 6.26825 | 960 - 1427 | 31.2 - 31.8 |
| 6.31175 - 6.31225 | 1435 - 1626.5 | 36.43 - 36.5 |
| 8.291 - 8.294 | 1645.5 - 1646.5 | Above 38.6 |
| 8.362 - 8.366 | 1660 - 1710 | |
| 8.37625 - 8.38675 | 1718.8 -1722.2 | |
| 8.41425 - 8.41475 | 2200 - 2300 | |
| 12.29 - 12.293 | 2310 -2390 | |
| 12.51975 - 12.52025 | 2483.5 - 2500 | |
| 12.57675 - 12.57725 | 2655 - 2900 | |
| 13.36 -13.41 | 3260 - 3267 | |
| 16.42 - 16.423 | 3332 -3339 | |
| 16.69475 - 16.69525 | 3345.8 - 3358 | |
| 16.80425 - 16.80475 | 3500 - 4400 | |
| 25.5 - 25.67 | 4500 - 5150 | |
| 37.5 - 38.25 | 5350 - 5460 | |
| 73 - 74.6 | 7250 - 7750 | |
| 74.8 - 75.2 | 8025 - 8500 | |
| 108 - 138 | -- | |

Note: *Certain frequency bands listed in Table6 and in bands above 38.6GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to the devices

are setout in the 200- and 300- series of RSSs, such as RSS-210 and RSS-310, which contain the requirements that apply to licence-exempt radio apparatus.

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 band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5MHz above or below the band edges;

b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;

c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and

d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

| RSS-Gen Section 8.9 | | |
| --- | --- | --- |
| Frequency [MHz] | Field Strength [uV/m] | Measured Distance [Meters] |
| 0.009 - 0.490 | 2400/F (kHz) | 300 |
| 0.490 - 1.705 | 24000/F (kHz) | 30 |
| 1.705 - 30 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

### 6.9.2.Test Procedure Used

KDB 789033 D02v02r01 – Section G

### 6.9.3.Test Setting

**<u>Peak Measurements above 1GHz</u>**

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
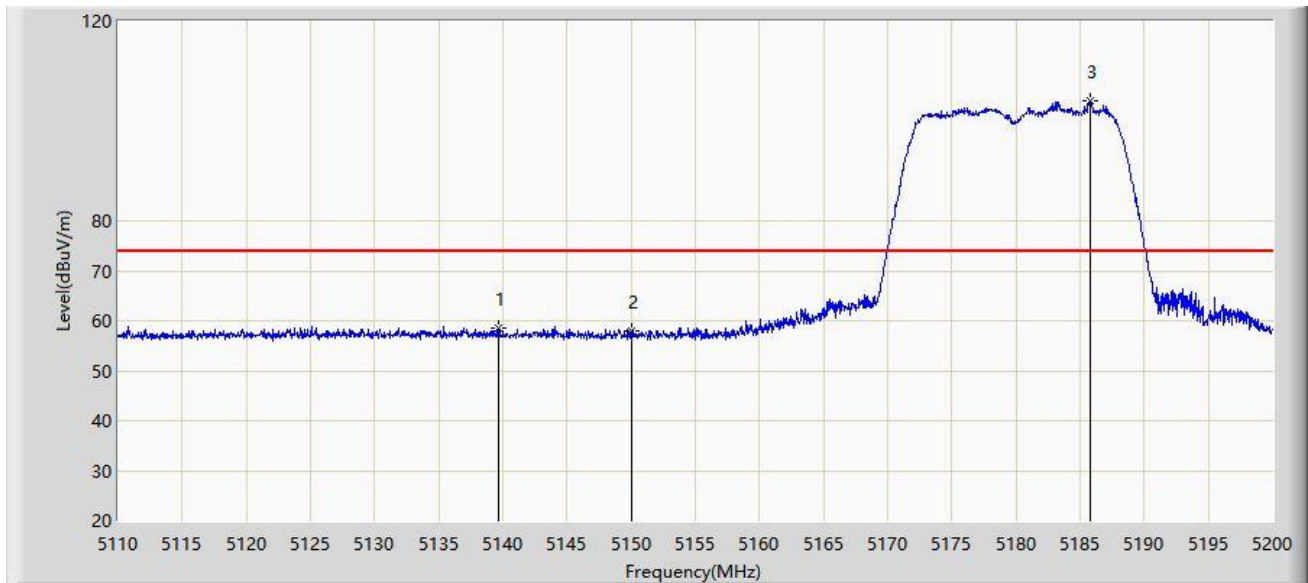
**<u>Average Measurements above 1GHz (Method VB)</u>**

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

2. RBW = 1MHz

3. VBWIf the EUT is configured to transmit with duty cycle ≥ 98%, set VBW ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is < 98%, set VBW ≥ 1/T

4. Detector = Peak

5. Sweep time = auto

6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

## 6.9.4.Test Setup

**EUT**

(Polystyrene)

1.5m

(Turntable)

1~4m

(Antenna Tower)

Antenna

3m

Spectrum Analyzer
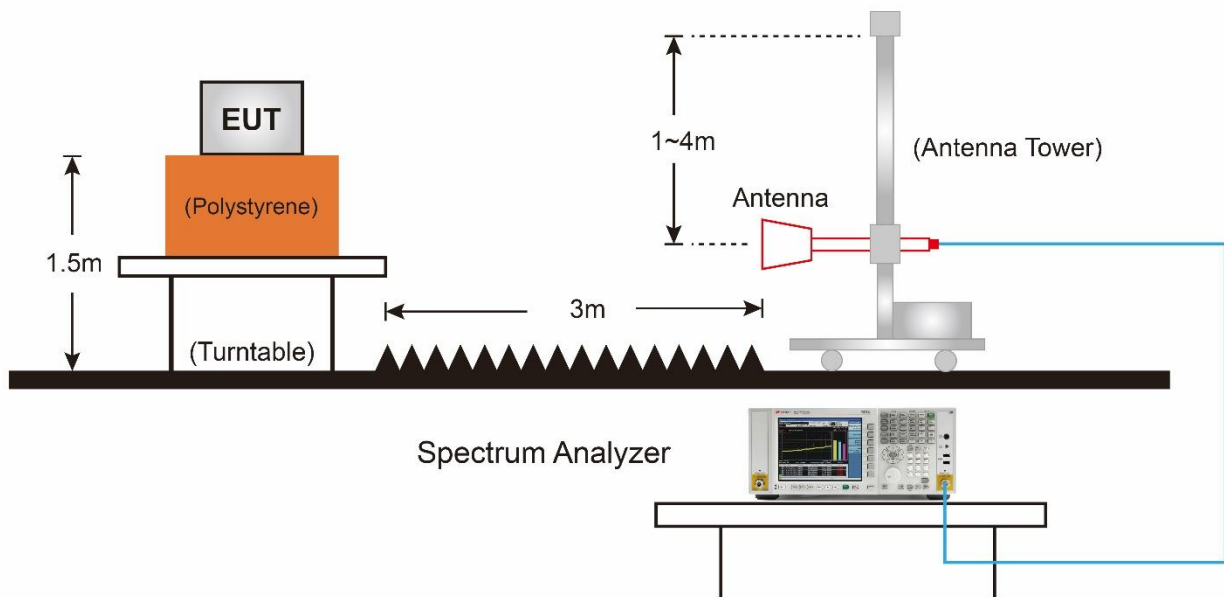
## 6.9.5.Test Result

| Site: WZ-AC2 | Time: 2021/02/19 - 21:40 |
|---|---|
| Limit: FCC_Part15.209_RE(3m) | Engineer: Hyde Yu |
| Probe: WZ-AC2_BBHA9120D_1-18GHz | Polarity: Horizontal |
| EUT: WIFI+BT Combo Module | Power: By USB |
| Test Mode: Transmit by 802.11a at Channel 5180MHz | |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5139.700 | 58.495 | 53.400 | -15.505 | 74.000 | 5.095 | PK |
| 2 | | | 5150.000 | 57.849 | 52.865 | -16.151 | 74.000 | 4.984 | PK |
| 3 | | * | 5185.780 | 104.074 | 99.099 | N/A | N/A | 4.975 | PK |

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

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