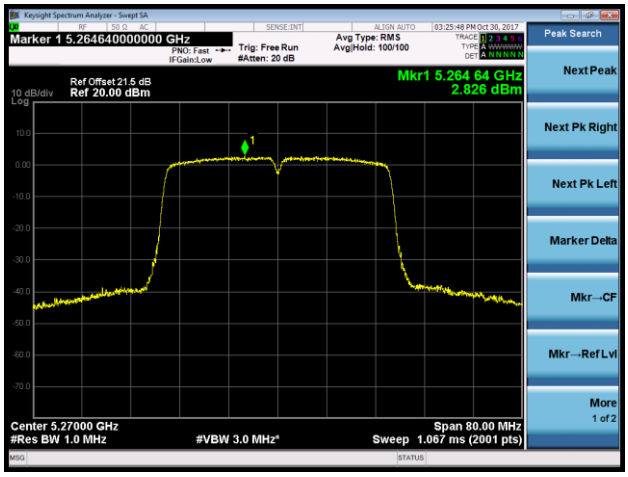
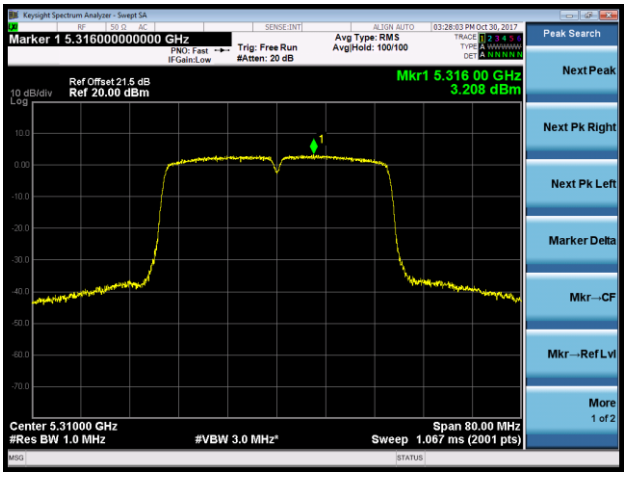
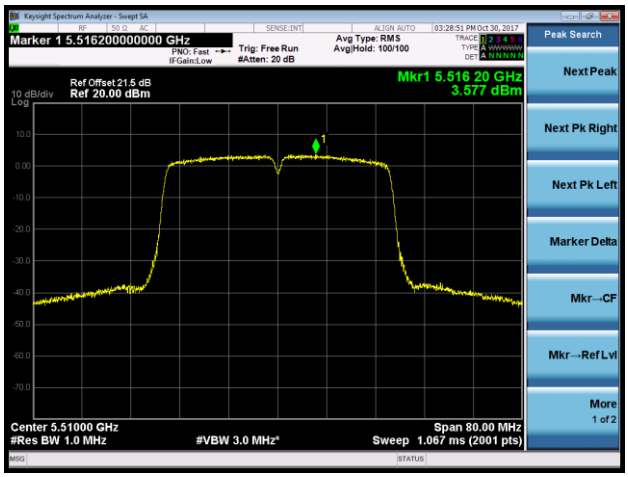
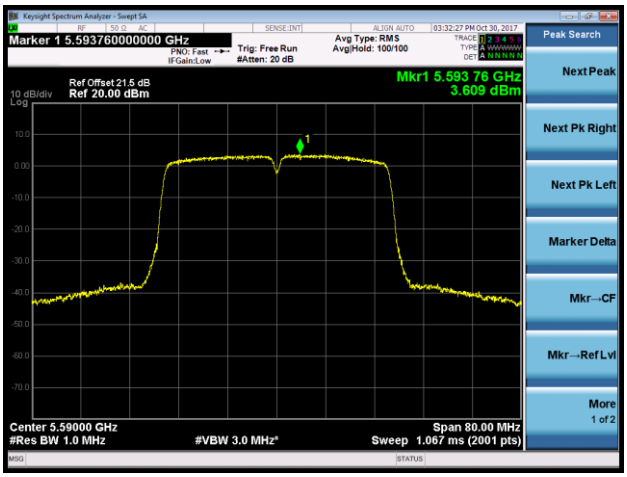
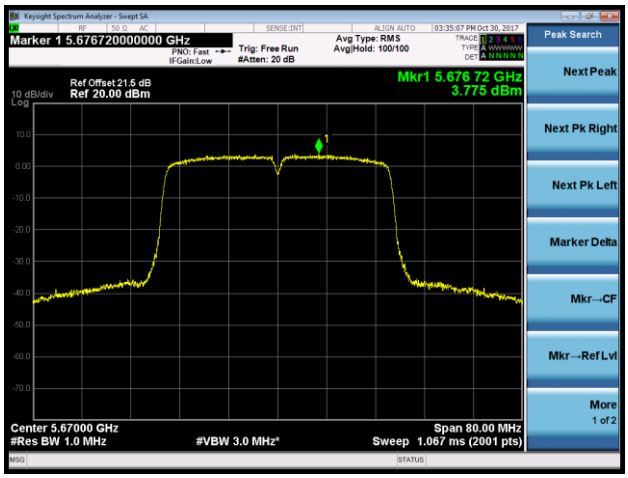
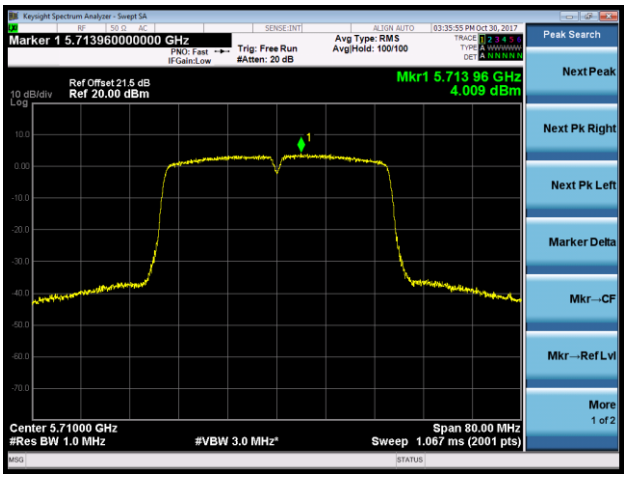
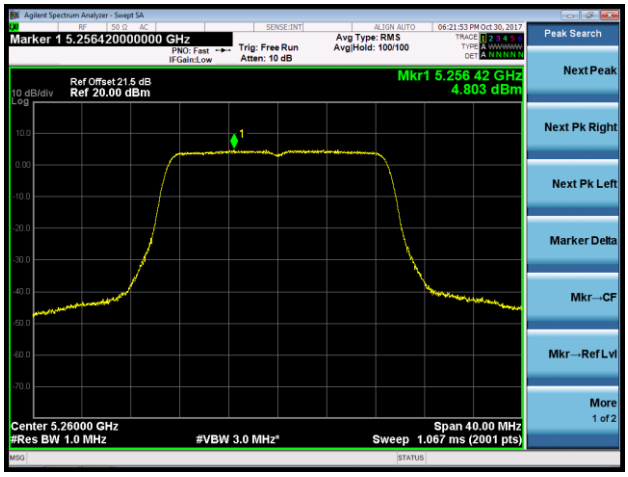
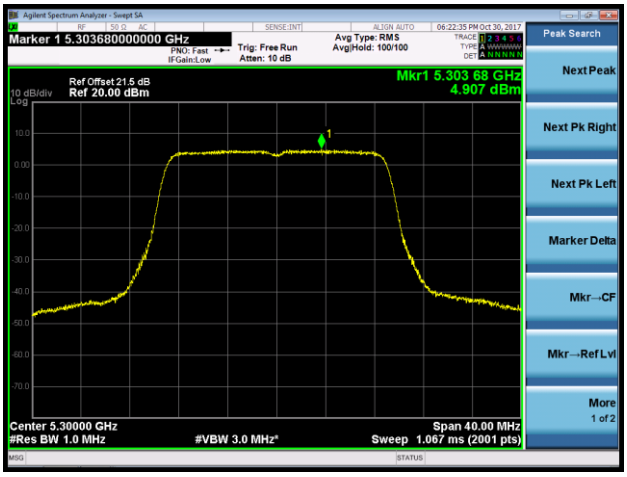
| 802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 54 (5270MHz)** | **Channel 62 (5310MHz)** |
|  |  |
| **Channel 102 (5510MHz)** | **Channel 118 (5590MHz)** |
|  |  |
| **Channel 134 (5670MHz)** | **Channel 142 (5710MHz)** |
|  |  |

## 802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 (Beam-Forming Mode)

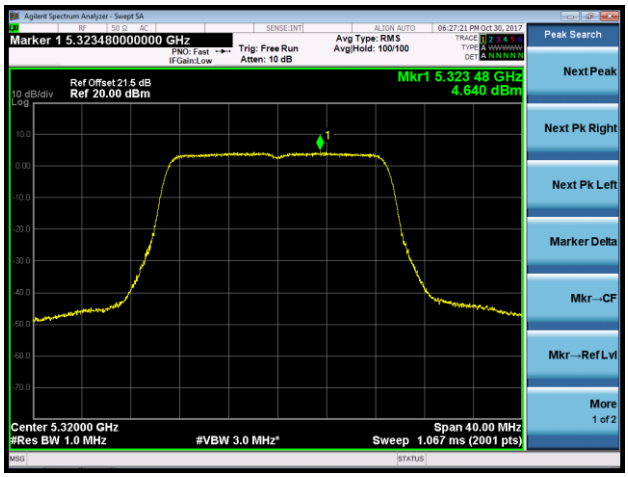
### Channel 52 (5260MHz)



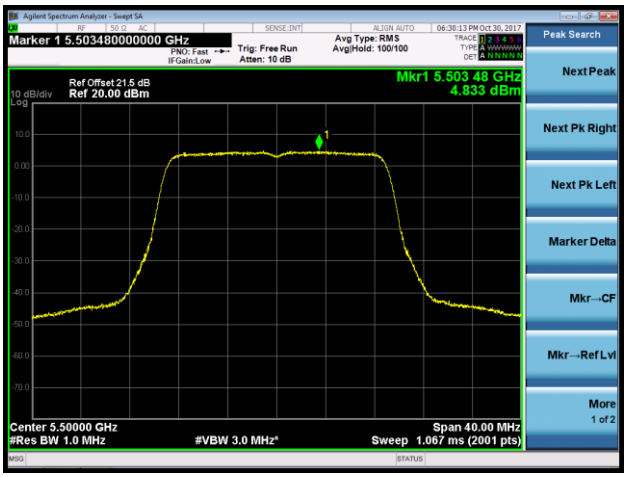

### Channel 60 (5300MHz)



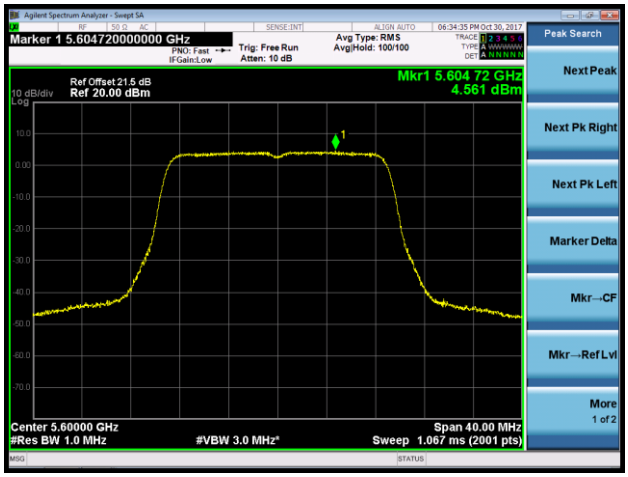

### Channel 64 (5320MHz)



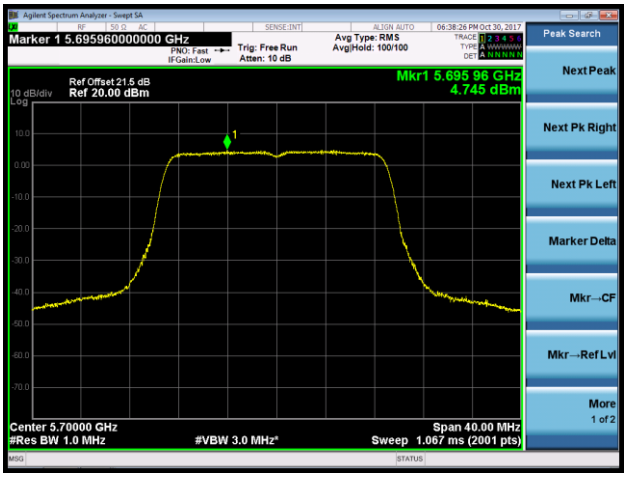

### Channel 100 (5500MHz)

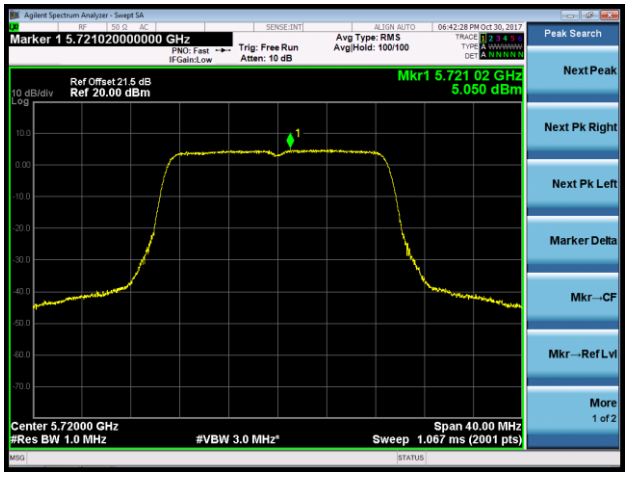


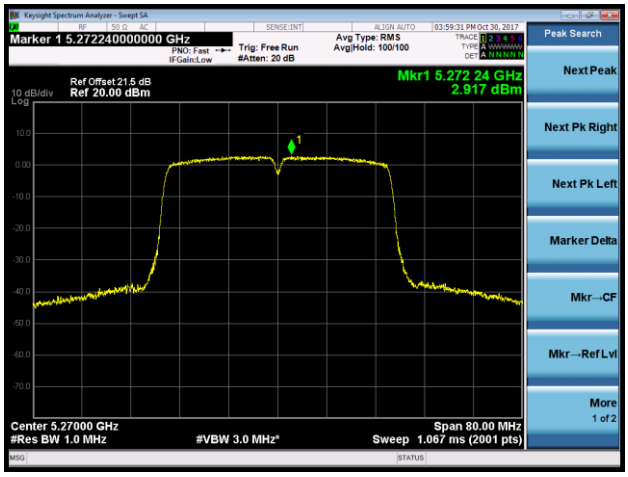
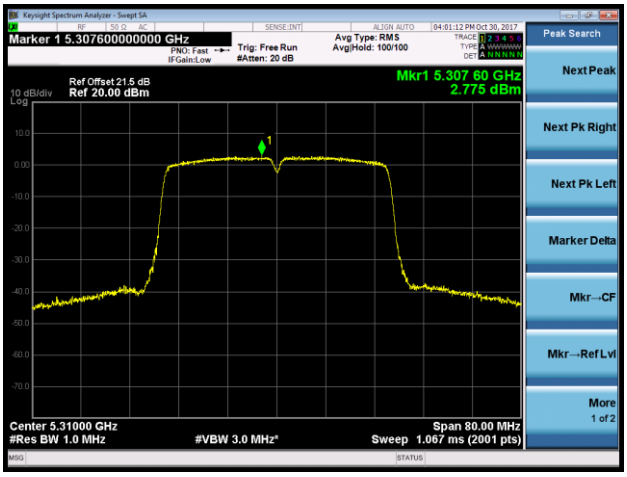
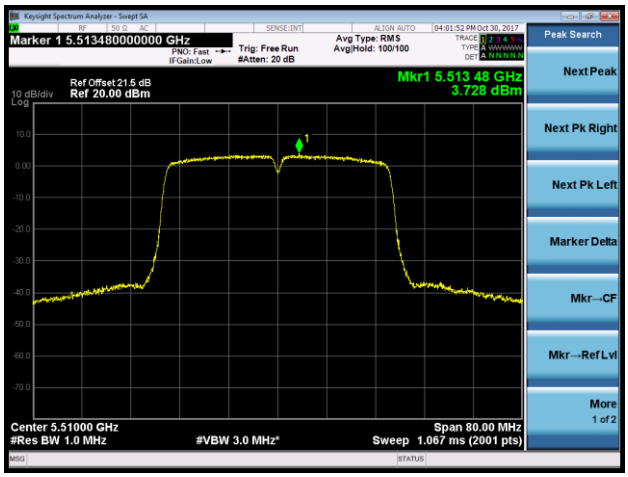
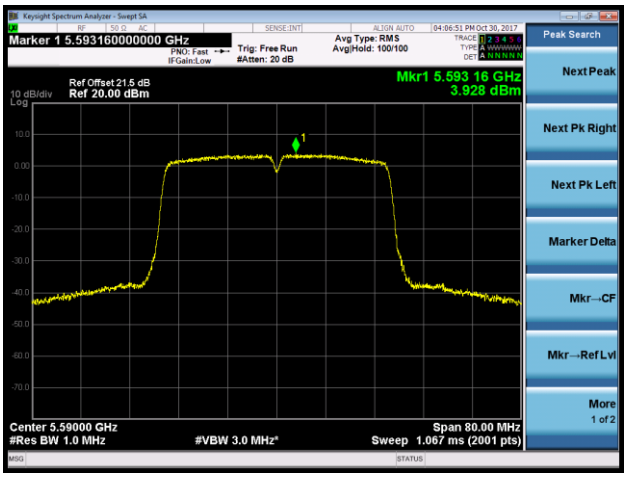
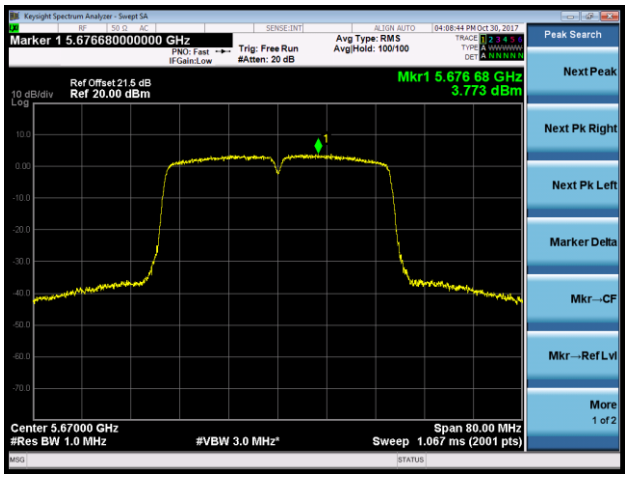
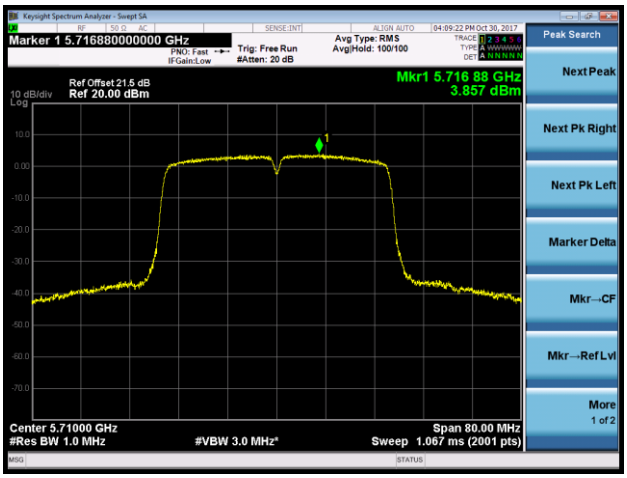

### Channel 120 (5600MHz)

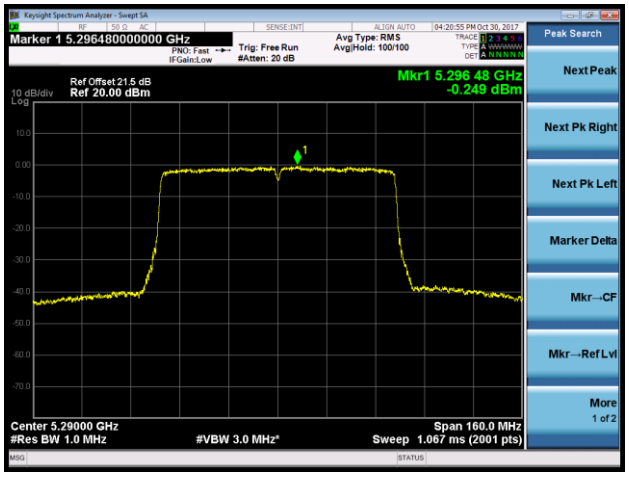
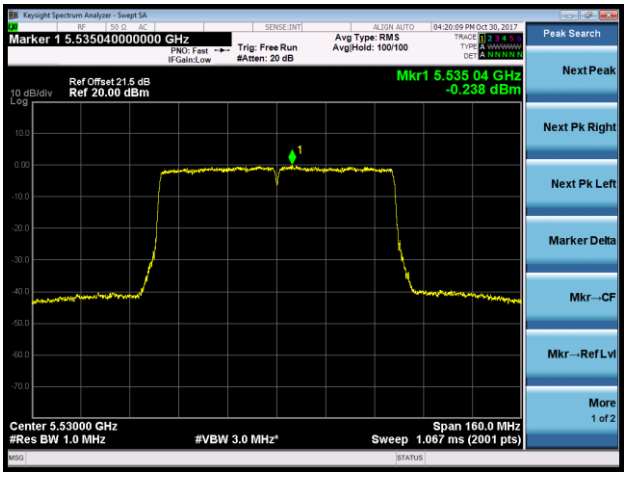
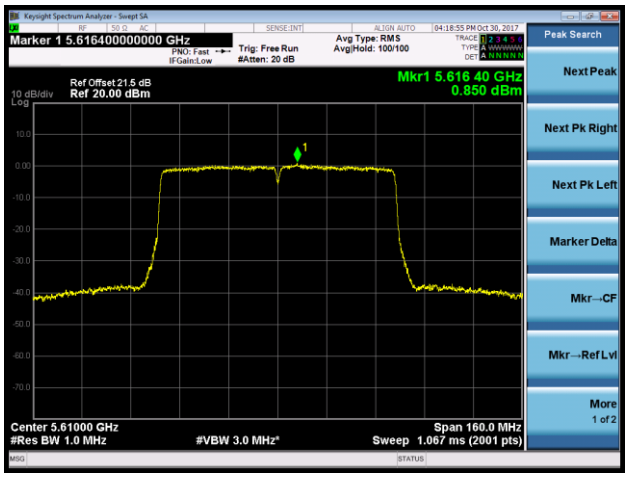
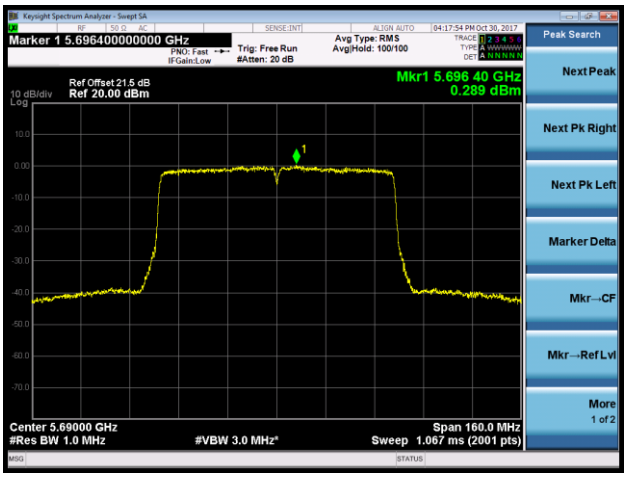


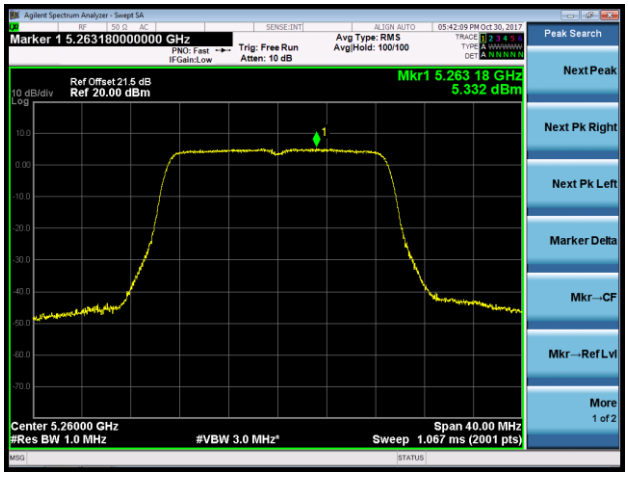
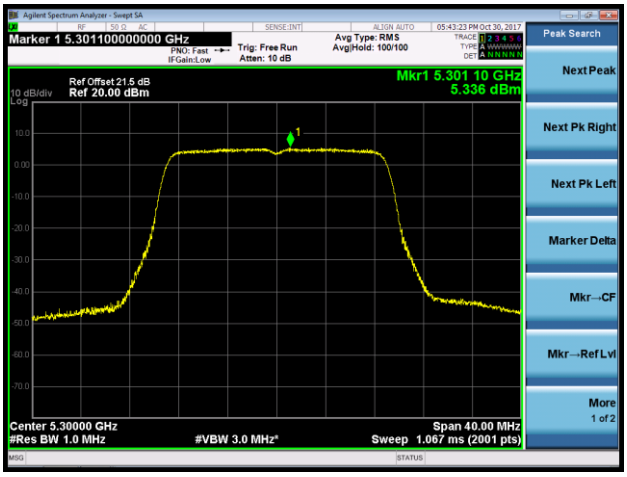
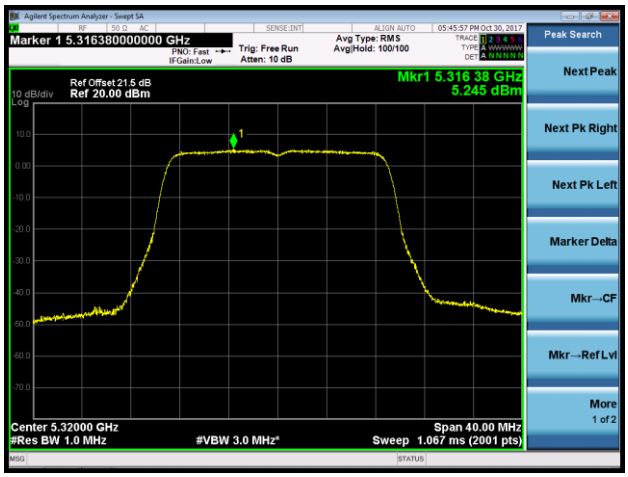
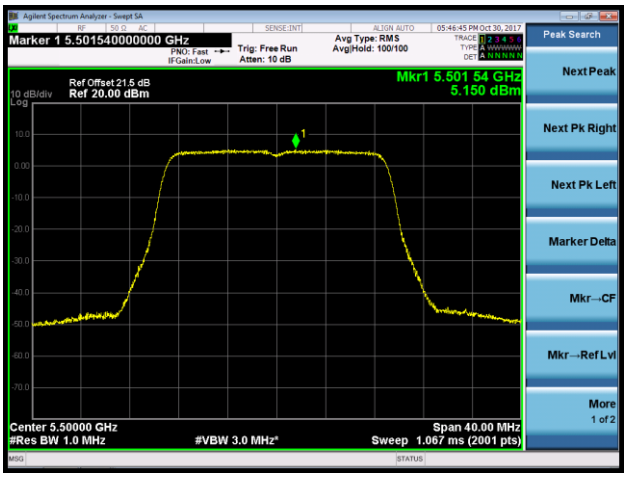
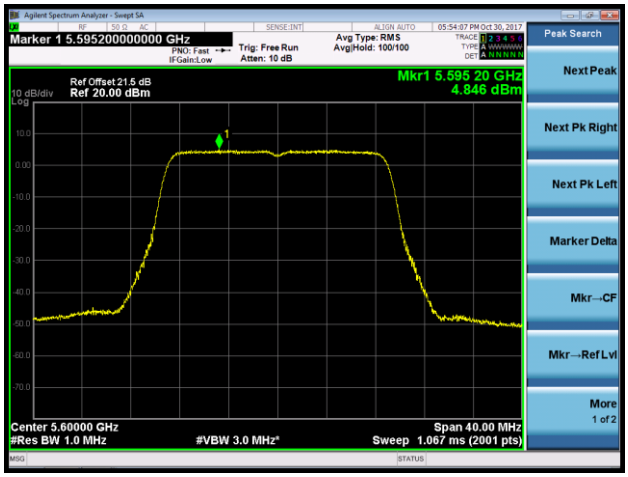
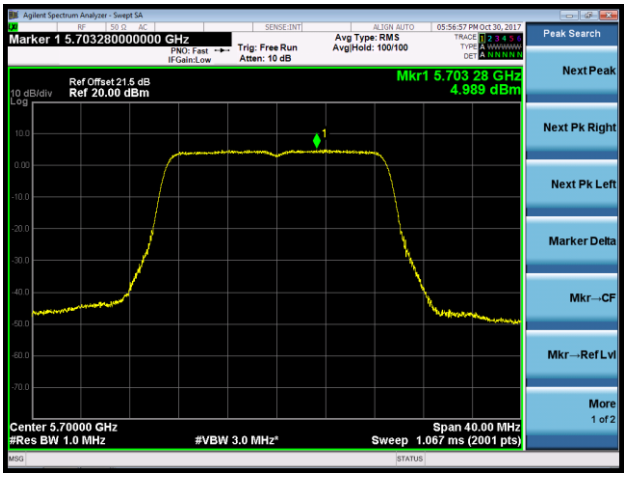

### Channel 140 (5700MHz)

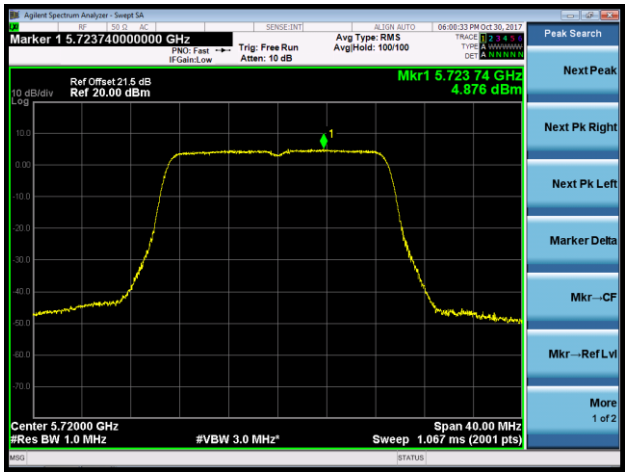


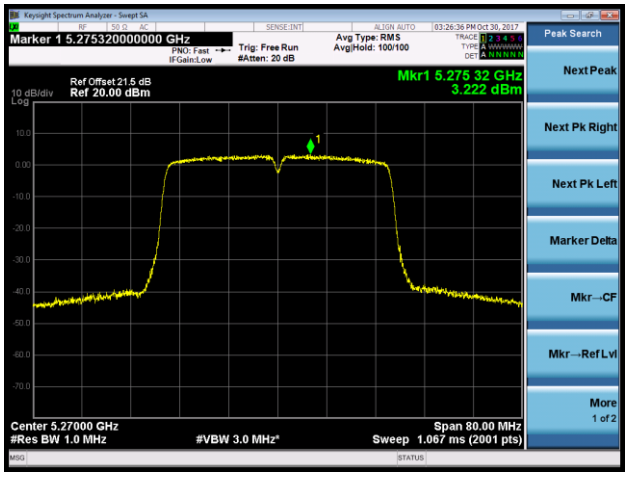
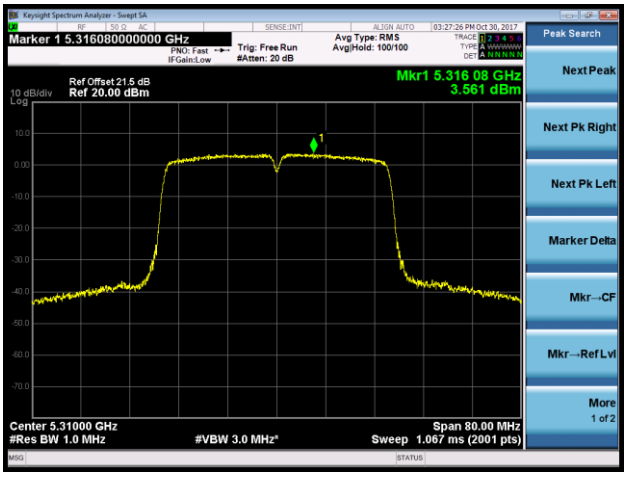
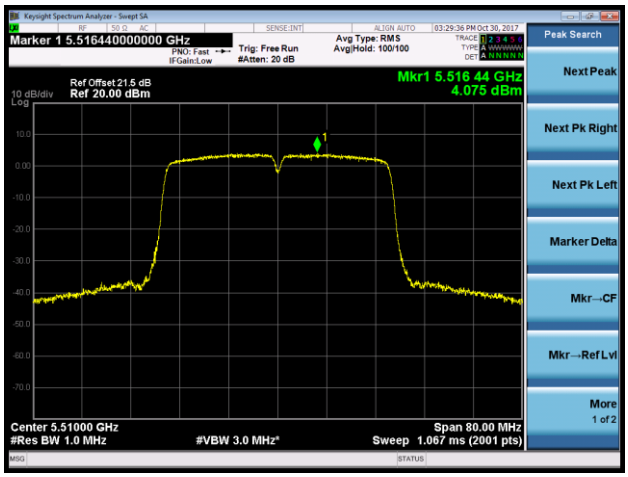
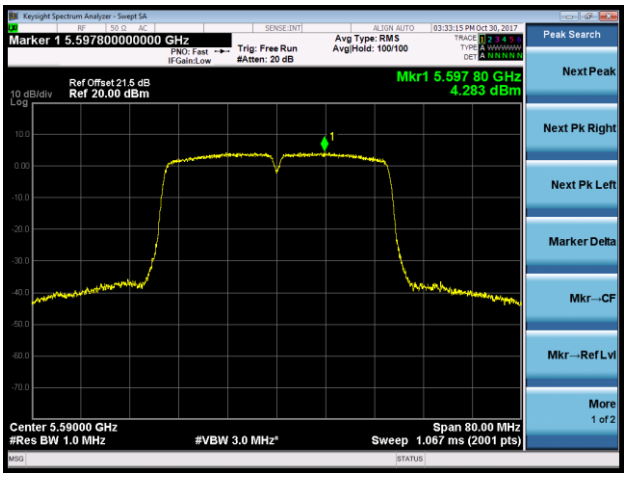
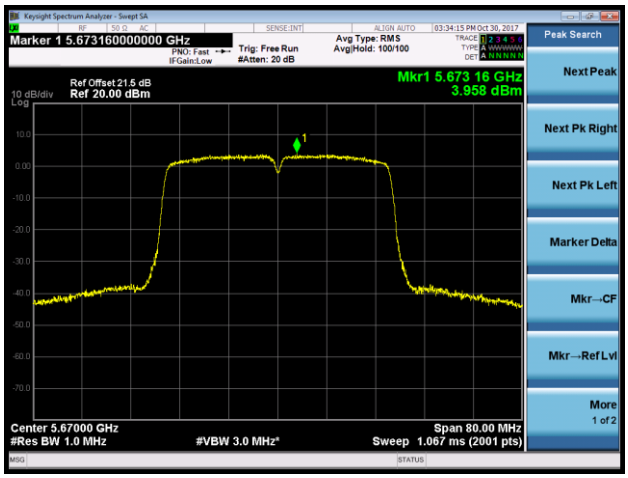
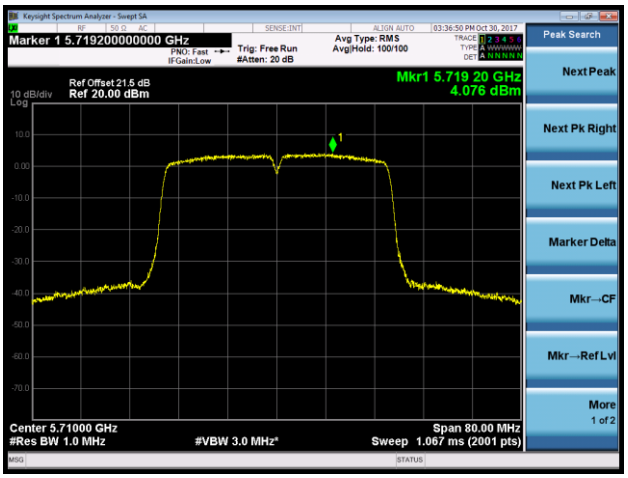
| 802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 144 (5720MHz)** | |
|  | |

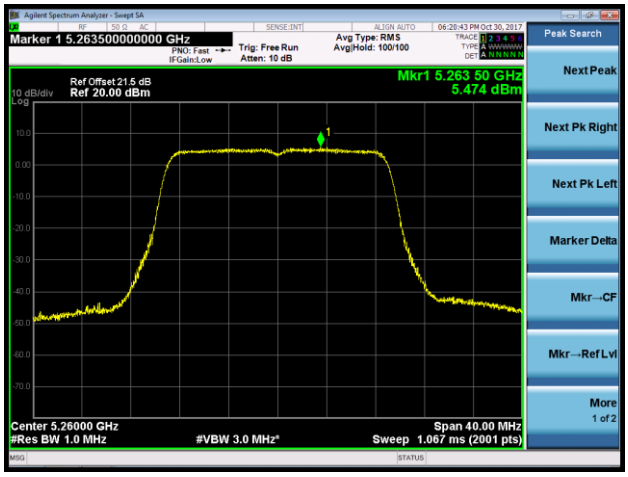
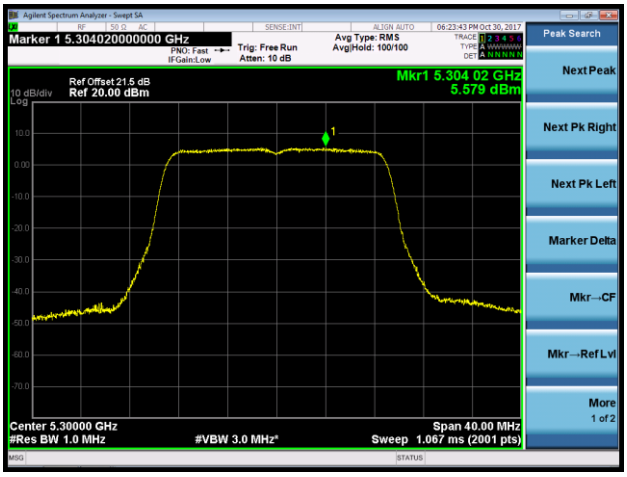
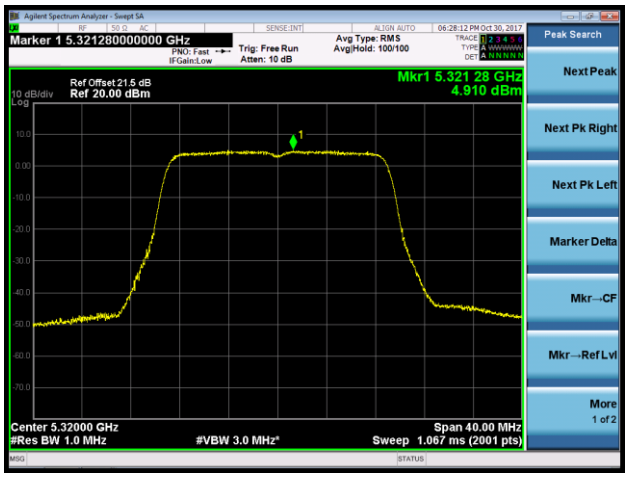
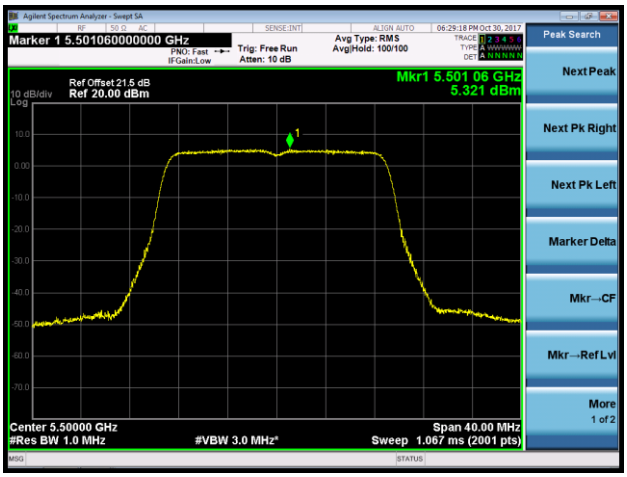
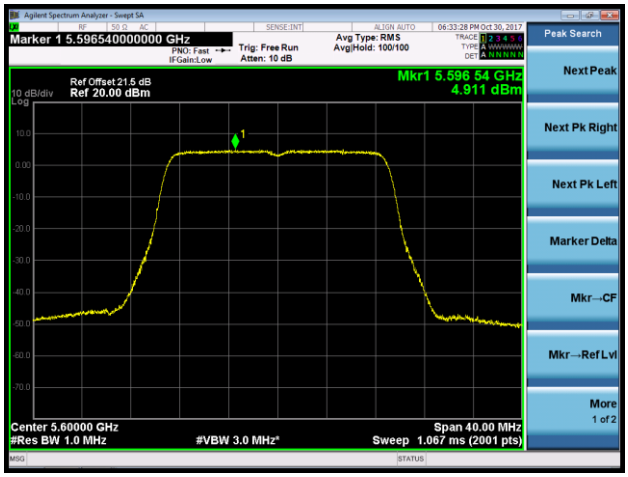
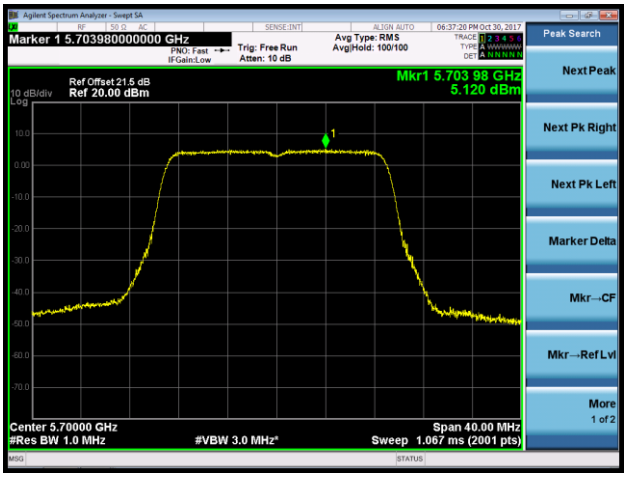
| 802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 54 (5270MHz)** | **Channel 62 (5310MHz)** |
|  |  |
| **Channel 102 (5510MHz)** | **Channel 118 (5590MHz)** |
|  |  |
| **Channel 134 (5670MHz)** | **Channel 142 (5710MHz)** |
|  |  |

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

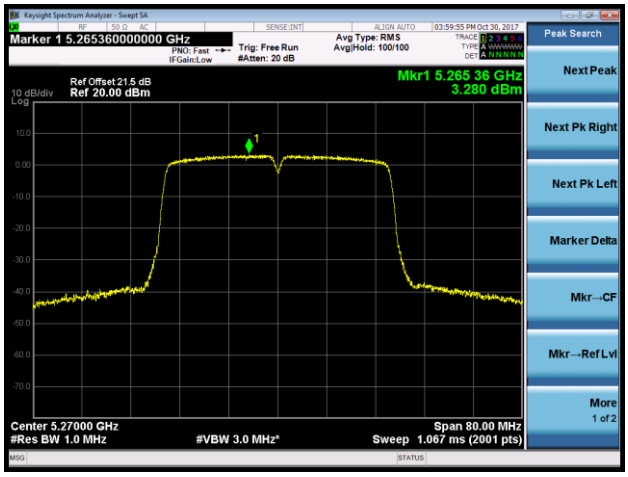
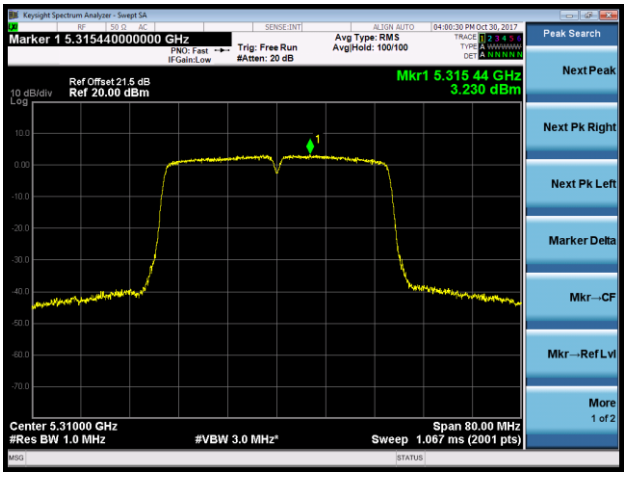
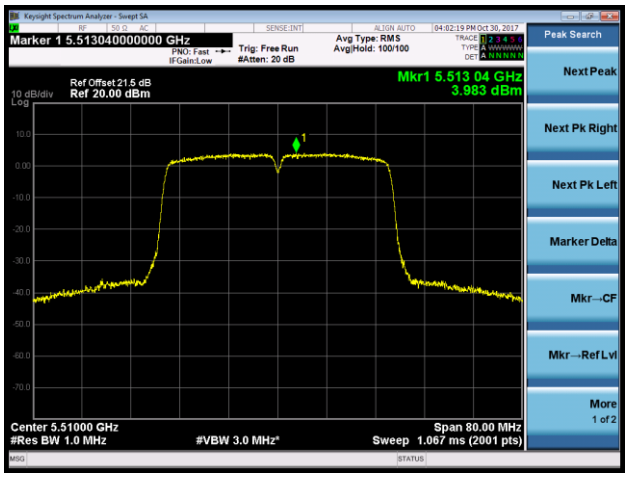
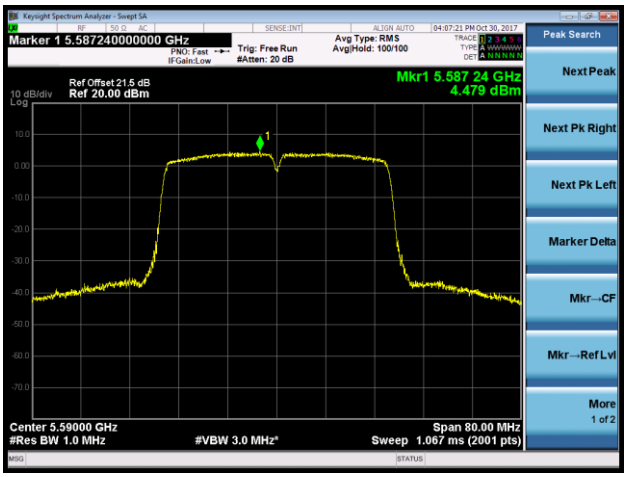
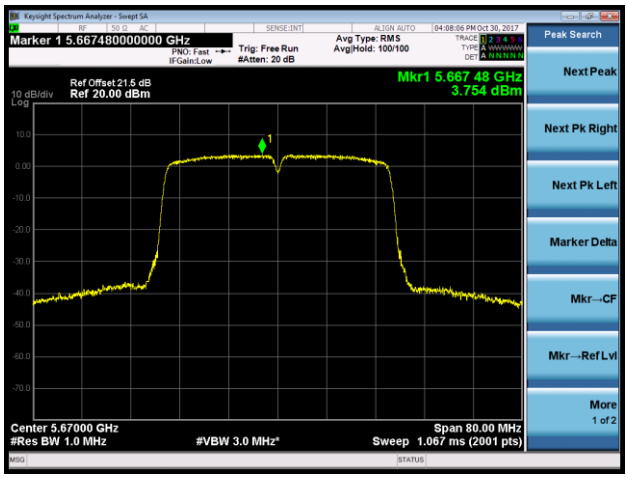
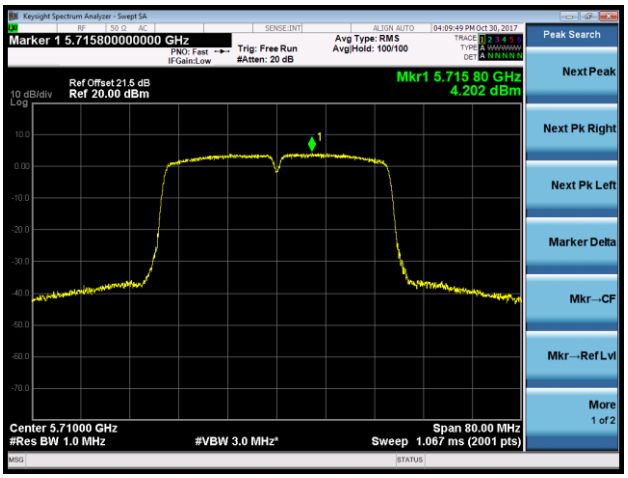
| 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 52 (5260MHz)** | **Channel 60 (5300MHz)** |
|  |  |
| **Channel 64 (5320MHz)** | **Channel 100 (5500MHz)** |
|  |  |
| **Channel 120 (5600MHz)** | **Channel 140 (5700MHz)** |
|  |  |

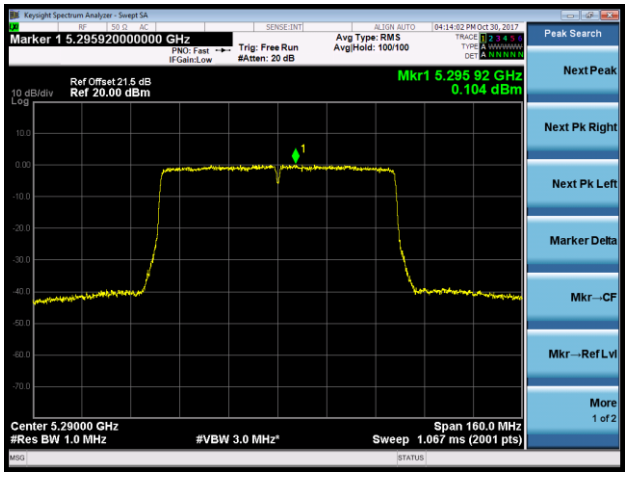
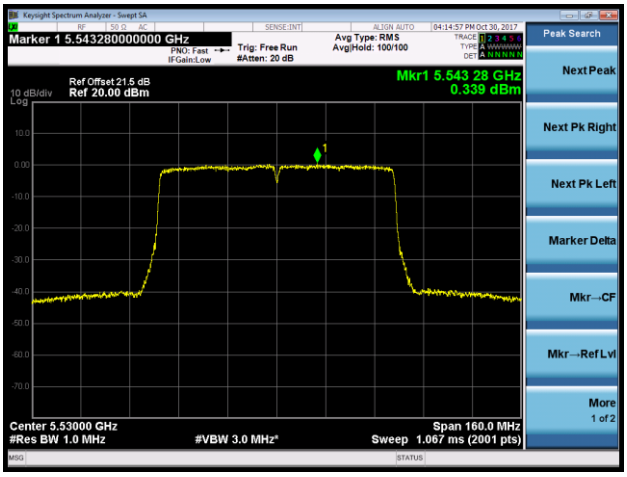
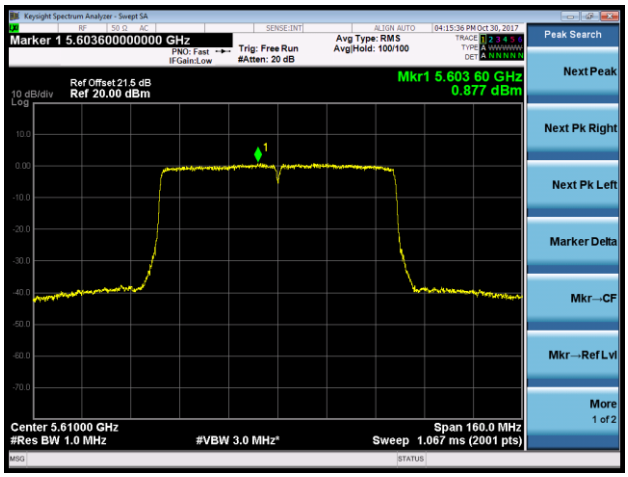
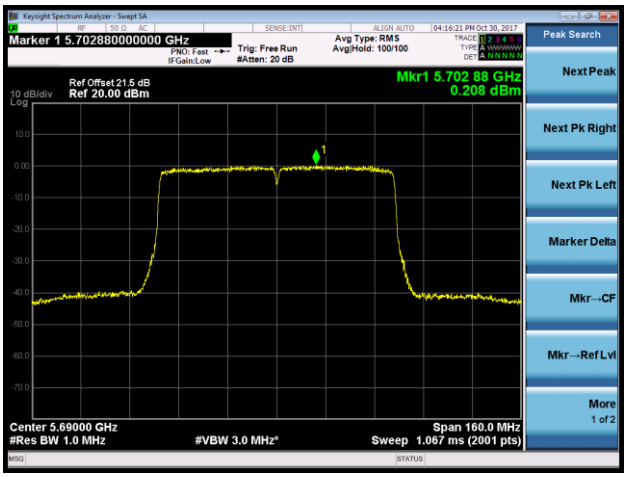
| 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 144 (5720MHz)** | |
|  | |

| 802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 54 (5270MHz)** | **Channel 62 (5310MHz)** |
|  |  |
| **Channel 102 (5510MHz)** | **Channel 118 (5590MHz)** |
|  |  |
| **Channel 134 (5670MHz)** | **Channel 142 (5710MHz)** |
|  |  |

| 802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 52 (5260MHz)** | **Channel 60 (5300MHz)** |
|  |  |
| **Channel 64 (5320MHz)** | **Channel 100 (5500MHz)** |
|  |  |
| **Channel 120 (5600MHz)** | **Channel 140 (5700MHz)** |
|  |  |

| 802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| Channel 144 (5720MHz) | |
|  | |

| 802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode) | |
|---|---|
| **Channel 54 (5270MHz)** | **Channel 62 (5310MHz)** |
|  |  |
| **Channel 102 (5510MHz)** | **Channel 118 (5590MHz)** |
|  |  |
| **Channel 134 (5670MHz)** | **Channel 142 (5710MHz)** |
|  |  |

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

## 7.6. Frequency Stability Measurement

### 7.6.1.Test Limit

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

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

### 7.6.2.Test Procedure Used

**Frequency Stability Under Temperature Variations:**

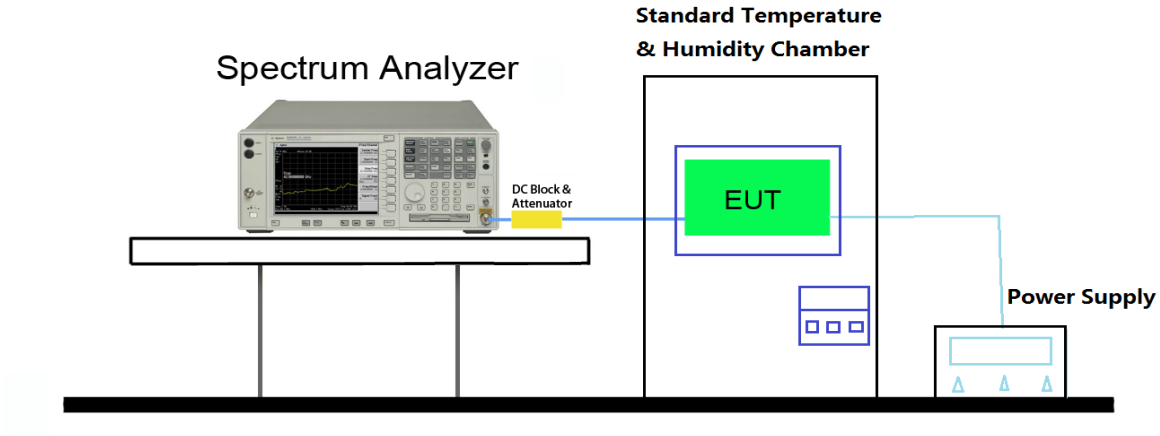
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

**Frequency Stability Under Voltage Variations:**

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

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

### 7.6.3.Test Setup



### 7.6.4.Test Result

| Test Engineer | Kevin Ker | Temperature | -30 ~ 50°C |
|---|---|---|---|
| Test Time | 2017/10/18 | Relative Humidity | 48 ~ 55%RH |
| Test Mode | 5320MHz (Carrier Mode) | Test Site | SR2 |

| Voltage (%) | Power (VAC) | Temp (°C) | Frequency Tolerance (ppm) |
|---|---|---|---|
| 100% | 120 | - 30 | -5.58 |
| | | - 20 | -5.89 |
| | | - 10 | -6.12 |
| | | 0 | -6.33 |
| | | + 10 | -6.84 |
| | | + 20 (Ref) | -7.01 |
| | | + 30 | -7.28 |
| | | + 40 | -9.17 |
| | | + 50 | -9.22 |
| 115% | 138 | + 20 | -7.14 |
| 85% | 102 | + 20 | -7.56 |

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

## 7.7. Radiated Spurious Emission Measurement

### 7.7.1.Test Limit

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

### 7.7.2.Test Procedure Used

KDB 789033 D02v01r04 – Section G

### 7.7.3.Test Setting

**Quasi-Peak& Average Measurements below30MHz**

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 = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

**Quasi-Peak Measurements below 1GHz**

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

**Peak Measurements above 1GHz**

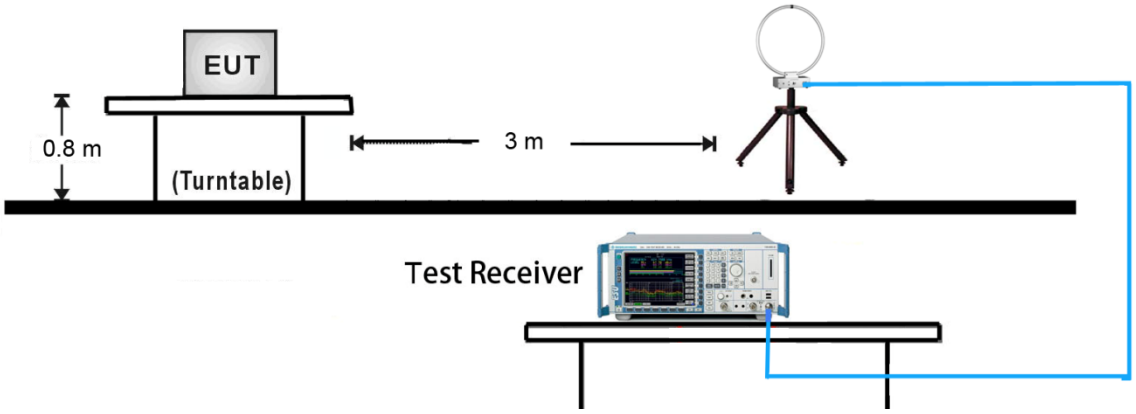
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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

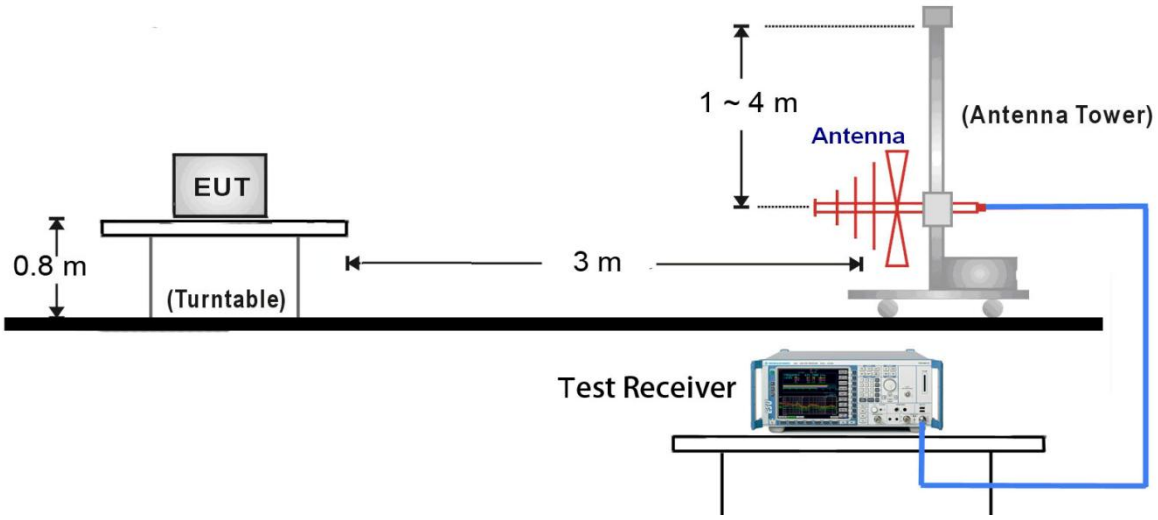
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100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

### 7.7.4.Test Setup

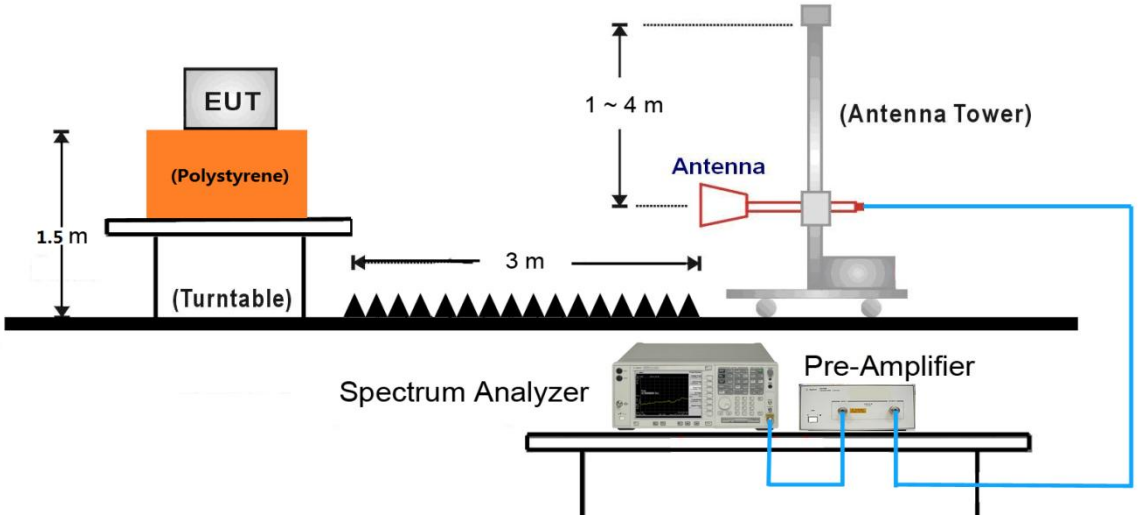
9kHz ~30MHz Test Setup:



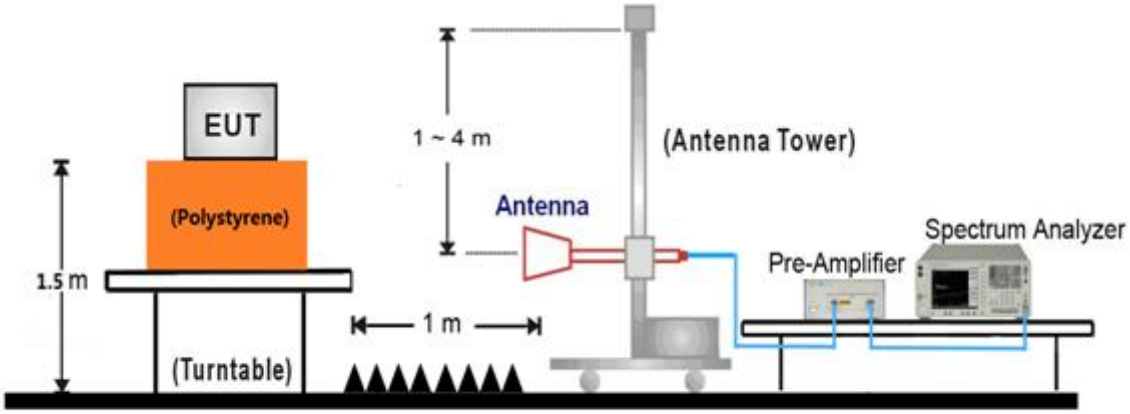

30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:

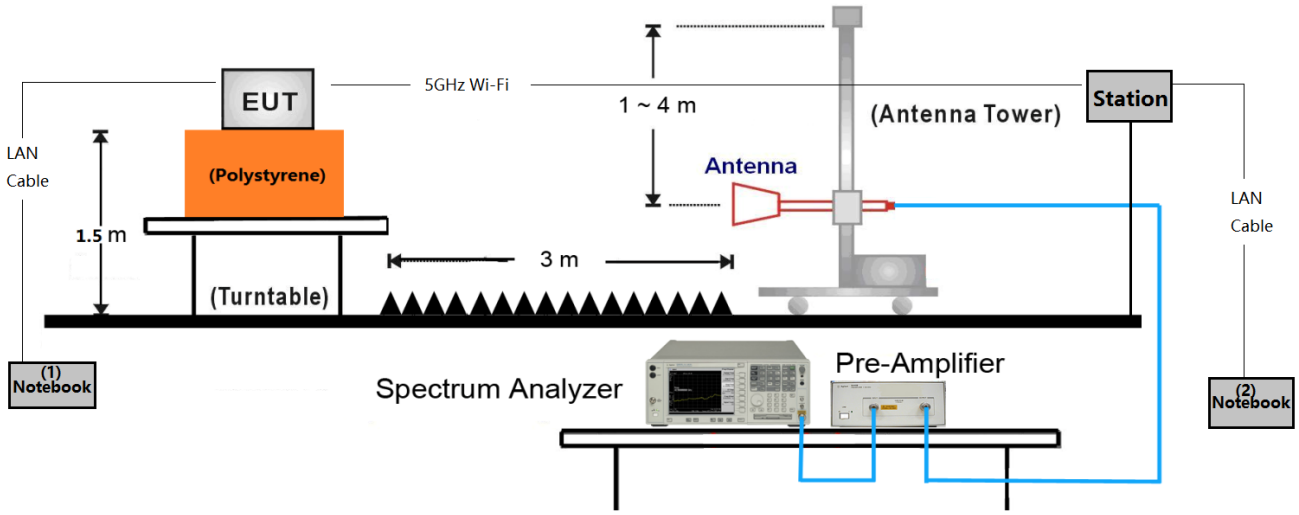



18GHz ~ 40GHz Test Setup:




Note: This item was performed with the WIFI antenna connected.

Additional Beam-Forming Mode Test Setup (Apply to all BF radiated emission test frequency range)




Make the EUT connect with the station by 5GHz wireless.

Input some commands in the notebook (1) to open the EUT Beam Forming function, and setup the related test channel & data rate & power setting.

Make the notebook (1) ping with notebook (2) using the “iperf” software that can produce one bigger duty cycle waveform.

| Beam-Forming Mode | | |
|---|---|---|
| Test Mode | Duty Cycle (%) | T = Transmission Duration (ms) |
| 802.11n-HT20 | 91.30 | 1.752 |
| 802.11n-HT40 | 90.78 | 1.683 |
| 802.11ac-VHT20 | 91.09 | 1.748 |
| 802.11ac-VHT40 | 90.78 | 1.683 |
| 802.11ac-VHT80 | 93.33 | 1.862 |

### 7.7.5.Test Result

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8692.5 | 31.0 | 13.7 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| * | 10231.0 | 33.1 | 16.4 | 49.5 | 68.2 | -18.7 | Peak | Horizontal |
| | 11429.5 | 30.2 | 19.2 | 49.4 | 54.0 | -4.6 | Peak | Horizontal |
| | 15654.0 | 31.6 | 20.4 | 52.0 | 54.0 | -2.0 | Peak | Horizontal |
| * | 8718.0 | 29.5 | 13.8 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| * | 9967.5 | 32.9 | 15.3 | 48.2 | 68.2 | -20.0 | Peak | Vertical |
| | 11378.5 | 29.3 | 19.1 | 48.4 | 54.0 | -5.6 | Peak | Vertical |
| | 15560.5 | 31.3 | 20.6 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8786.0 | 30.2 | 13.9 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 9721.0 | 31.4 | 14.7 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| | 11455.0 | 29.8 | 19.2 | 49.0 | 54.0 | -5.0 | Peak | Horizontal |
| | 15492.5 | 31.1 | 20.7 | 51.8 | 54.0 | -2.2 | Peak | Horizontal |
| * | 8828.5 | 29.5 | 14.0 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| * | 9857.0 | 30.3 | 16.2 | 46.5 | 68.2 | -21.7 | Peak | Vertical |
| | 11378.5 | 29.5 | 19.1 | 48.6 | 54.0 | -5.4 | Peak | Vertical |
| | 15773.0 | 31.6 | 20.4 | 52.0 | 54.0 | -2.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8777.5 | 29.7 | 13.9 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| * | 9942.0 | 31.2 | 15.3 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 11234.0 | 28.5 | 18.8 | 47.3 | 54.0 | -6.7 | Peak | Horizontal |
| | 15934.5 | 30.6 | 20.3 | 50.9 | 54.0 | -3.1 | Peak | Horizontal |
| * | 8752.0 | 28.9 | 13.9 | 42.8 | 68.2 | -25.4 | Peak | Vertical |
| * | 9993.0 | 30.9 | 15.4 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| | 11786.5 | 29.3 | 18.8 | 48.1 | 54.0 | -5.9 | Peak | Vertical |
| | 15526.5 | 30.1 | 20.6 | 50.7 | 54.0 | -3.3 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8777.5 | 30.2 | 13.9 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 9899.5 | 31.3 | 15.4 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| | 11191.5 | 29.8 | 18.7 | 48.5 | 54.0 | -5.5 | Peak | Horizontal |
| | 15577.5 | 31.8 | 20.5 | 52.3 | 54.0 | -1.7 | Peak | Horizontal |
| * | 8769.0 | 30.6 | 13.9 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| * | 10069.5 | 30.1 | 15.6 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11259.5 | 28.4 | 18.8 | 47.2 | 54.0 | -6.8 | Peak | Vertical |
| | 15696.5 | 30.5 | 20.5 | 51.0 | 54.0 | -3.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11a - Ant 0 + 1 (CDD Mode) | Test Channel: | 120 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8735.0 | 30.6 | 13.9 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| * | 9976.0 | 30.0 | 15.3 | 45.3 | 68.2 | -22.9 | Peak | Horizontal |
| | 11302.0 | 28.6 | 18.9 | 47.5 | 54.0 | -6.5 | Peak | Horizontal |
| | 15773.0 | 30.6 | 20.4 | 51.0 | 54.0 | -3.0 | Peak | Horizontal |
| * | 8837.0 | 29.6 | 14.0 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 9933.5 | 30.3 | 15.3 | 45.6 | 68.2 | -22.6 | Peak | Vertical |
| | 11684.5 | 29.2 | 19.2 | 48.4 | 54.0 | -5.6 | Peak | Vertical |
| | 15764.5 | 30.8 | 20.4 | 51.2 | 54.0 | -2.8 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8777.5 | 29.8 | 13.9 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| * | 10035.5 | 30.9 | 15.5 | 46.4 | 68.2 | -21.8 | Peak | Horizontal |
| | 11735.5 | 29.4 | 19.0 | 48.4 | 54.0 | -5.6 | Peak | Horizontal |
| | 15509.5 | 30.6 | 20.6 | 51.2 | 54.0 | -2.8 | Peak | Horizontal |
| * | 8760.5 | 29.7 | 13.9 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 10324.5 | 31.9 | 16.7 | 48.6 | 68.2 | -19.6 | Peak | Vertical |
| | 11404.0 | 34.4 | 19.1 | 53.5 | 54.0 | -0.5 | Peak | Vertical |
| | 15781.5 | 30.5 | 20.4 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8743.5 | 30.1 | 13.9 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| * | 9993.0 | 30.8 | 15.4 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| | 11438.0 | 30.7 | 19.2 | 49.9 | 54.0 | -4.1 | Peak | Horizontal |
| | 15773.0 | 30.6 | 20.4 | 51.0 | 54.0 | -3.0 | Peak | Horizontal |
| * | 8820.0 | 29.3 | 14.0 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| * | 9942.0 | 30.6 | 15.3 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| | 11438.0 | 33.2 | 19.2 | 52.4 | 54.0 | -1.6 | Peak | Vertical |
| | 15441.5 | 30.1 | 20.9 | 51.0 | 54.0 | -3.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 52 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8769.0 | 29.2 | 13.9 | 43.1 | 68.2 | -25.1 | Peak | Horizontal |
| * | 10061.0 | 30.4 | 15.6 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| | 11480.5 | 29.7 | 19.3 | 49.0 | 54.0 | -5.0 | Peak | Horizontal |
| | 15492.5 | 30.8 | 20.7 | 51.5 | 54.0 | -2.5 | Peak | Horizontal |
| * | 8786.0 | 29.5 | 13.9 | 43.4 | 68.2 | -24.8 | Peak | Vertical |
| * | 10180.0 | 30.1 | 16.1 | 46.2 | 68.2 | -22.0 | Peak | Vertical |
| | 11531.5 | 29.4 | 19.4 | 48.8 | 54.0 | -5.2 | Peak | Vertical |
| | 15730.5 | 31.1 | 20.5 | 51.6 | 54.0 | -2.4 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 60 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8786.0 | 29.6 | 13.9 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 10129.0 | 32.8 | 15.9 | 48.7 | 68.2 | -19.5 | Peak | Horizontal |
| | 11446.5 | 30.0 | 19.2 | 49.2 | 54.0 | -4.8 | Peak | Horizontal |
| | 15611.5 | 31.8 | 20.5 | 52.3 | 54.0 | -1.7 | Peak | Horizontal |
| * | 8794.5 | 29.2 | 13.9 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 9916.5 | 30.4 | 15.3 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11327.5 | 29.1 | 18.9 | 48.0 | 54.0 | -6.0 | Peak | Vertical |
| | 15518.0 | 30.2 | 20.6 | 50.8 | 54.0 | -3.2 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 64 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8811.5 | 29.5 | 14.0 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 9738.0 | 31.6 | 14.8 | 46.4 | 68.2 | -21.8 | Peak | Horizontal |
| | 11429.5 | 29.4 | 19.2 | 48.6 | 54.0 | -5.4 | Peak | Horizontal |
| | 15569.0 | 32.7 | 20.6 | 53.3 | 54.0 | -0.7 | Peak | Horizontal |
| * | 8752.0 | 29.9 | 13.9 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| * | 9772.0 | 30.8 | 14.9 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11582.5 | 29.8 | 19.5 | 49.3 | 54.0 | -4.7 | Peak | Vertical |
| | 15458.5 | 31.1 | 20.8 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 100 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8692.5 | 32.9 | 13.7 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| * | 9857.0 | 31.0 | 16.2 | 47.2 | 68.2 | -21.0 | Peak | Horizontal |
| | 11072.5 | 30.4 | 18.6 | 49.0 | 54.0 | -5.0 | Peak | Horizontal |
| | 15696.5 | 30.7 | 20.5 | 51.2 | 54.0 | -2.8 | Peak | Horizontal |
| * | 8735.0 | 30.8 | 13.9 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| * | 10010.0 | 31.7 | 15.4 | 47.1 | 68.2 | -21.1 | Peak | Vertical |
| | 11650.5 | 29.3 | 19.3 | 48.6 | 54.0 | -5.4 | Peak | Vertical |
| | 15492.5 | 31.6 | 20.7 | 52.3 | 54.0 | -1.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 120 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8777.5 | 29.6 | 13.9 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 10112.0 | 32.2 | 15.8 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 11880.0 | 30.6 | 18.6 | 49.2 | 54.0 | -4.8 | Peak | Horizontal |
| | 15560.5 | 31.1 | 20.6 | 51.7 | 54.0 | -2.3 | Peak | Horizontal |
| * | 8692.5 | 30.5 | 13.7 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| * | 9865.5 | 30.7 | 16.0 | 46.7 | 68.2 | -21.5 | Peak | Vertical |
| | 11327.5 | 29.3 | 18.9 | 48.2 | 54.0 | -5.8 | Peak | Vertical |
| | 15747.5 | 30.9 | 20.4 | 51.3 | 54.0 | -2.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 140 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8769.0 | 29.8 | 13.9 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| * | 9797.5 | 31.3 | 15.1 | 46.4 | 68.2 | -21.8 | Peak | Horizontal |
| | 11370.0 | 29.8 | 19.0 | 48.8 | 54.0 | -5.2 | Peak | Horizontal |
| | 15424.5 | 30.6 | 20.9 | 51.5 | 54.0 | -2.5 | Peak | Horizontal |
| * | 8786.0 | 29.0 | 13.9 | 42.9 | 68.2 | -25.3 | Peak | Vertical |
| * | 9874.0 | 31.9 | 15.8 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| | 11412.5 | 34.3 | 19.1 | 53.4 | 54.0 | -0.6 | Peak | Vertical |
| | 15645.5 | 31.5 | 20.4 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 144 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8854.0 | 31.2 | 14.0 | 45.2 | 68.2 | -23.0 | Peak | Horizontal |
| * | 10120.5 | 31.3 | 15.8 | 47.1 | 68.2 | -21.1 | Peak | Horizontal |
| | 11642.0 | 31.1 | 19.4 | 50.5 | 54.0 | -3.5 | Peak | Horizontal |
| | 15433.0 | 31.4 | 20.9 | 52.3 | 54.0 | -1.7 | Peak | Horizontal |
| * | 8786.0 | 29.2 | 13.9 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 9993.0 | 30.7 | 15.4 | 46.1 | 68.2 | -22.1 | Peak | Vertical |
| | 11429.5 | 34.2 | 19.2 | 53.4 | 54.0 | -0.6 | Peak | Vertical |
| | 15832.5 | 30.7 | 20.4 | 51.1 | 54.0 | -2.9 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 54 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8786.0 | 29.3 | 13.9 | 43.2 | 68.2 | -25.0 | Peak | Horizontal |
| * | 9908.0 | 30.1 | 15.3 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11242.5 | 28.8 | 18.8 | 47.6 | 54.0 | -6.4 | Peak | Horizontal |
| | 15773.0 | 30.1 | 20.4 | 50.5 | 54.0 | -3.5 | Peak | Horizontal |
| * | 8769.0 | 29.7 | 13.9 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 9857.0 | 32.1 | 16.2 | 48.3 | 68.2 | -19.9 | Peak | Vertical |
| | 11429.5 | 29.7 | 19.2 | 48.9 | 54.0 | -5.1 | Peak | Vertical |
| | 15509.5 | 31.1 | 20.6 | 51.7 | 54.0 | -2.3 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 62 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8769.0 | 29.6 | 13.9 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 9882.5 | 30.9 | 15.6 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 11174.5 | 28.8 | 18.7 | 47.5 | 54.0 | -6.5 | Peak | Horizontal |
| | 15526.5 | 30.3 | 20.6 | 50.9 | 54.0 | -3.1 | Peak | Horizontal |
| * | 8726.5 | 29.3 | 13.8 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 10146.0 | 31.6 | 16.0 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| | 11667.5 | 31.0 | 19.3 | 50.3 | 54.0 | -3.7 | Peak | Vertical |
| | 15926.0 | 31.5 | 20.4 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 102 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8692.5 | 31.2 | 13.7 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| * | 10052.5 | 31.2 | 15.5 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| | 11344.5 | 28.9 | 19.0 | 47.9 | 54.0 | -6.1 | Peak | Horizontal |
| | 15722.0 | 30.7 | 20.5 | 51.2 | 54.0 | -2.8 | Peak | Horizontal |
| * | 8692.5 | 31.1 | 13.7 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| * | 9755.0 | 33.4 | 14.8 | 48.2 | 68.2 | -20.0 | Peak | Vertical |
| | 11931.0 | 30.6 | 18.6 | 49.2 | 54.0 | -4.8 | Peak | Vertical |
| | 15654.0 | 31.2 | 20.4 | 51.6 | 54.0 | -2.4 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 118 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8735.0 | 30.0 | 13.9 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| * | 9874.0 | 29.6 | 15.8 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11897.0 | 28.8 | 18.6 | 47.4 | 54.0 | -6.6 | Peak | Horizontal |
| | 15824.0 | 30.3 | 20.4 | 50.7 | 54.0 | -3.3 | Peak | Horizontal |
| * | 8718.0 | 30.1 | 13.8 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| * | 9899.5 | 30.6 | 15.4 | 46.0 | 68.2 | -22.2 | Peak | Vertical |
| | 11251.0 | 28.6 | 18.8 | 47.4 | 54.0 | -6.6 | Peak | Vertical |
| | 15543.5 | 30.3 | 20.6 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 134 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8743.5 | 29.6 | 13.9 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 10171.5 | 30.5 | 16.1 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| | 11174.5 | 29.8 | 18.7 | 48.5 | 54.0 | -5.5 | Peak | Horizontal |
| | 15662.5 | 30.9 | 20.4 | 51.3 | 54.0 | -2.7 | Peak | Horizontal |
| * | 8726.5 | 29.4 | 13.8 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 9857.0 | 31.7 | 16.2 | 47.9 | 68.2 | -20.3 | Peak | Vertical |
| | 11285.0 | 29.2 | 18.8 | 48.0 | 54.0 | -6.0 | Peak | Vertical |
| | 15518.0 | 30.3 | 20.6 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(CDD Mode) | Test Channel: | 142 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8726.5 | 29.1 | 13.8 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 10248.0 | 32.4 | 16.4 | 48.8 | 68.2 | -19.4 | Peak | Horizontal |
| | 11548.5 | 30.4 | 19.4 | 49.8 | 54.0 | -4.2 | Peak | Horizontal |
| | 15764.5 | 30.6 | 20.4 | 51.0 | 54.0 | -3.0 | Peak | Horizontal |
| * | 8522.5 | 31.0 | 13.0 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| * | 9857.0 | 31.6 | 16.2 | 47.8 | 68.2 | -20.4 | Peak | Vertical |
| | 11404.0 | 31.0 | 19.1 | 50.1 | 54.0 | -3.9 | Peak | Vertical |
| | 15637.0 | 31.5 | 20.4 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8786.0 | 29.1 | 13.9 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| * | 10044.0 | 33.0 | 15.5 | 48.5 | 68.2 | -19.7 | Peak | Horizontal |
| | 11395.5 | 31.3 | 19.1 | 50.4 | 54.0 | -3.6 | Peak | Horizontal |
| | 15764.5 | 30.7 | 20.4 | 51.1 | 54.0 | -2.9 | Peak | Horizontal |
| * | 8811.5 | 29.6 | 14.0 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 10086.5 | 32.6 | 15.7 | 48.3 | 68.2 | -19.9 | Peak | Vertical |
| | 11242.5 | 30.1 | 18.8 | 48.9 | 54.0 | -5.1 | Peak | Vertical |
| | 15560.5 | 31.0 | 20.6 | 51.6 | 54.0 | -2.4 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8777.5 | 29.4 | 13.9 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 9993.0 | 32.5 | 15.4 | 47.9 | 68.2 | -20.3 | Peak | Horizontal |
| | 11174.5 | 29.3 | 18.7 | 48.0 | 54.0 | -6.0 | Peak | Horizontal |
| | 16036.5 | 30.8 | 20.3 | 51.1 | 54.0 | -2.9 | Peak | Horizontal |
| * | 8760.5 | 29.6 | 13.9 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| * | 9695.5 | 33.1 | 14.6 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| | 11489.0 | 30.5 | 19.3 | 49.8 | 54.0 | -4.2 | Peak | Vertical |
| | 15441.5 | 31.4 | 20.9 | 52.3 | 54.0 | -1.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8837.0 | 29.0 | 14.0 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| * | 9967.5 | 31.2 | 15.3 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 11608.0 | 33.2 | 19.4 | 52.6 | 54.0 | -1.4 | Peak | Horizontal |
| | 15518.0 | 30.4 | 20.6 | 51.0 | 54.0 | -3.0 | Peak | Horizontal |
| * | 8786.0 | 29.3 | 13.9 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 9806.0 | 31.3 | 15.2 | 46.5 | 68.2 | -21.7 | Peak | Vertical |
| | 11905.5 | 30.9 | 18.6 | 49.5 | 54.0 | -4.5 | Peak | Vertical |
| | 15501.0 | 31.5 | 20.6 | 52.1 | 54.0 | -1.9 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8718.0 | 30.2 | 13.8 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| * | 10027.0 | 31.9 | 15.4 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| | 11684.5 | 29.5 | 19.2 | 48.7 | 54.0 | -5.3 | Peak | Horizontal |
| | 15492.5 | 30.7 | 20.7 | 51.4 | 54.0 | -2.6 | Peak | Horizontal |
| * | 8845.5 | 29.2 | 14.0 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 10035.5 | 31.8 | 15.5 | 47.3 | 68.2 | -20.9 | Peak | Vertical |
| | 12118.0 | 31.5 | 18.9 | 50.4 | 54.0 | -3.6 | Peak | Vertical |
| | 15543.5 | 32.6 | 20.6 | 53.2 | 54.0 | -0.8 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (CDD Mode) | Test Channel: | 120 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8590.5 | 32.6 | 13.4 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| * | 9857.0 | 32.3 | 16.2 | 48.5 | 68.2 | -19.7 | Peak | Horizontal |
| | 11225.5 | 29.7 | 18.8 | 48.5 | 54.0 | -5.5 | Peak | Horizontal |
| | 15696.5 | 30.6 | 20.5 | 51.1 | 54.0 | -2.9 | Peak | Horizontal |
| * | 8760.5 | 29.3 | 13.9 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| * | 9925.0 | 31.6 | 15.3 | 46.9 | 68.2 | -21.3 | Peak | Vertical |
| | 11846.0 | 29.7 | 18.7 | 48.4 | 54.0 | -5.6 | Peak | Vertical |
| | 15518.0 | 30.5 | 20.6 | 51.1 | 54.0 | -2.9 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8718.0 | 29.5 | 13.8 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| * | 10205.5 | 31.4 | 16.2 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| | 11531.5 | 29.3 | 19.4 | 48.7 | 54.0 | -5.3 | Peak | Horizontal |
| | 15645.5 | 31.4 | 20.4 | 51.8 | 54.0 | -2.2 | Peak | Horizontal |
| * | 8514.0 | 31.9 | 12.9 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| * | 9959.0 | 32.3 | 15.3 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| | 11400.0 | 35.0 | 19.1 | 54.1 | 74.0 | -19.9 | Peak | Vertical |
| | 11400.0 | 23.0 | 19.1 | 42.1 | 54.0 | -11.9 | Average | Vertical |
| | 15603.0 | 33.7 | 20.5 | 54.2 | 74.0 | -19.8 | Peak | Vertical |
| | 15603.0 | 22.1 | 20.5 | 42.6 | 54.0 | -11.4 | Average | Vertical |

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

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

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

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8718.0 | 30.0 | 13.8 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| * | 9721.0 | 31.3 | 14.7 | 46.0 | 68.2 | -22.2 | Peak | Horizontal |
| | 11684.5 | 29.6 | 19.2 | 48.8 | 54.0 | -5.2 | Peak | Horizontal |
| | 15611.5 | 31.5 | 20.5 | 52.0 | 54.0 | -2.0 | Peak | Horizontal |
| * | 8539.5 | 31.0 | 13.1 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| * | 9823.0 | 31.1 | 15.6 | 46.7 | 68.2 | -21.5 | Peak | Vertical |
| | 11429.5 | 34.8 | 19.2 | 54.0 | 54.0 | -0.0 | Peak | Vertical |
| | 15560.5 | 31.0 | 20.6 | 51.6 | 54.0 | -2.4 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8743.5 | 30.8 | 13.9 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| * | 9950.5 | 30.8 | 15.3 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| | 11285.0 | 29.2 | 18.8 | 48.0 | 54.0 | -6.0 | Peak | Horizontal |
| | 15773.0 | 30.8 | 20.4 | 51.2 | 54.0 | -2.8 | Peak | Horizontal |
| * | 8752.0 | 30.2 | 13.9 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| * | 9984.5 | 30.5 | 15.4 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| | 11225.5 | 29.2 | 18.8 | 48.0 | 54.0 | -6.0 | Peak | Vertical |
| | 15560.5 | 30.7 | 20.6 | 51.3 | 54.0 | -2.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8726.5 | 30.3 | 13.8 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 9933.5 | 30.5 | 15.3 | 45.8 | 68.2 | -22.4 | Peak | Horizontal |
| | 11718.5 | 29.4 | 19.0 | 48.4 | 54.0 | -5.6 | Peak | Horizontal |
| | 15526.5 | 30.6 | 20.6 | 51.2 | 54.0 | -2.8 | Peak | Horizontal |
| * | 8752.0 | 30.4 | 13.9 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| * | 9950.5 | 31.1 | 15.3 | 46.4 | 68.2 | -21.8 | Peak | Vertical |
| | 11174.5 | 29.8 | 18.7 | 48.5 | 54.0 | -5.5 | Peak | Vertical |
| | 15866.5 | 31.0 | 20.4 | 51.4 | 54.0 | -2.6 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8658.5 | 31.0 | 13.6 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| * | 9831.5 | 31.0 | 15.9 | 46.9 | 68.2 | -21.3 | Peak | Horizontal |
| | 11378.5 | 29.3 | 19.1 | 48.4 | 54.0 | -5.6 | Peak | Horizontal |
| | 15824.0 | 30.8 | 20.4 | 51.2 | 54.0 | -2.8 | Peak | Horizontal |
| * | 8658.5 | 31.1 | 13.6 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| * | 10095.0 | 30.9 | 15.7 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| | 11336.0 | 29.2 | 19.0 | 48.2 | 54.0 | -5.8 | Peak | Vertical |
| | 15773.0 | 31.4 | 20.4 | 51.8 | 54.0 | -2.2 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (CDD Mode) | Test Channel: | 118 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8667.0 | 30.5 | 13.6 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 10035.5 | 31.9 | 15.5 | 47.4 | 68.2 | -20.8 | Peak | Horizontal |
| | 11701.5 | 28.8 | 19.1 | 47.9 | 54.0 | -6.1 | Peak | Horizontal |
| | 15501.0 | 30.5 | 20.6 | 51.1 | 54.0 | -2.9 | Peak | Horizontal |
| * | 8726.5 | 30.0 | 13.8 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| * | 10129.0 | 32.3 | 15.9 | 48.2 | 68.2 | -20.0 | Peak | Vertical |
| | 11829.0 | 29.9 | 18.7 | 48.6 | 54.0 | -5.4 | Peak | Vertical |
| | 15569.0 | 31.9 | 20.6 | 52.5 | 54.0 | -1.5 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8726.5 | 30.3 | 13.8 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 10035.5 | 32.3 | 15.5 | 47.8 | 68.2 | -20.4 | Peak | Horizontal |
| | 11531.5 | 29.6 | 19.4 | 49.0 | 54.0 | -5.0 | Peak | Horizontal |
| | 15739.0 | 30.5 | 20.4 | 50.9 | 54.0 | -3.1 | Peak | Horizontal |
| * | 8769.0 | 29.7 | 13.9 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 9959.0 | 31.1 | 15.3 | 46.4 | 68.2 | -21.8 | Peak | Vertical |
| | 11497.5 | 29.4 | 19.3 | 48.7 | 54.0 | -5.3 | Peak | Vertical |
| | 15671.0 | 30.5 | 20.4 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8709.5 | 30.3 | 13.8 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 10214.0 | 29.9 | 16.3 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| | 11174.5 | 30.8 | 18.7 | 49.5 | 54.0 | -4.5 | Peak | Horizontal |
| | 15569.0 | 30.5 | 20.6 | 51.1 | 54.0 | -2.9 | Peak | Horizontal |
| * | 8735.0 | 29.8 | 13.9 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| * | 9916.5 | 30.3 | 15.3 | 45.6 | 68.2 | -22.6 | Peak | Vertical |
| | 11667.5 | 29.6 | 19.3 | 48.9 | 54.0 | -5.1 | Peak | Vertical |
| | 15492.5 | 30.2 | 20.7 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8616.0 | 30.9 | 13.5 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| * | 9772.0 | 30.8 | 14.9 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 11837.5 | 28.6 | 18.7 | 47.3 | 54.0 | -6.7 | Peak | Horizontal |
| | 15781.5 | 30.2 | 20.4 | 50.6 | 54.0 | -3.4 | Peak | Horizontal |
| * | 8709.5 | 30.6 | 13.8 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| * | 10197.0 | 30.4 | 16.2 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| | 11327.5 | 30.0 | 18.9 | 48.9 | 54.0 | -5.1 | Peak | Vertical |
| | 15509.5 | 30.6 | 20.6 | 51.2 | 54.0 | -2.8 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8667.0 | 30.0 | 13.6 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| * | 9814.5 | 31.7 | 15.4 | 47.1 | 68.2 | -21.1 | Peak | Horizontal |
| | 11761.0 | 29.1 | 18.9 | 48.0 | 54.0 | -6.0 | Peak | Horizontal |
| | 15509.5 | 30.7 | 20.6 | 51.3 | 54.0 | -2.7 | Peak | Horizontal |
| * | 8777.5 | 28.9 | 13.9 | 42.8 | 68.2 | -25.4 | Peak | Vertical |
| * | 9874.0 | 30.4 | 15.8 | 46.2 | 68.2 | -22.0 | Peak | Vertical |
| | 11795.0 | 28.8 | 18.8 | 47.6 | 54.0 | -6.4 | Peak | Vertical |
| | 15781.5 | 30.1 | 20.4 | 50.5 | 54.0 | -3.5 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| 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. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8633.0 | 30.1 | 13.5 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| * | 9857.0 | 31.8 | 16.2 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 11582.5 | 30.4 | 19.5 | 49.9 | 54.0 | -4.1 | Peak | Horizontal |
| | 15628.5 | 32.7 | 20.4 | 53.1 | 54.0 | -0.9 | Peak | Horizontal |
| * | 8718.0 | 29.8 | 13.8 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 9899.5 | 30.5 | 15.4 | 45.9 | 68.2 | -22.3 | Peak | Vertical |
| | 11446.5 | 31.3 | 19.2 | 50.5 | 54.0 | -3.5 | Peak | Vertical |
| | 15509.5 | 32.4 | 20.6 | 53.0 | 54.0 | -1.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT80 - Ant 0 + 1 (CDD Mode) | Test Channel: | 138 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8701.0 | 30.0 | 13.8 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| * | 9865.5 | 30.8 | 16.0 | 46.8 | 68.2 | -21.4 | Peak | Horizontal |
| | 11106.5 | 29.6 | 18.6 | 48.2 | 54.0 | -5.8 | Peak | Horizontal |
| | 15747.5 | 30.6 | 20.4 | 51.0 | 54.0 | -3.0 | Peak | Horizontal |
| * | 8735.0 | 30.0 | 13.9 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| * | 9848.5 | 31.0 | 16.1 | 47.1 | 68.2 | -21.1 | Peak | Vertical |
| | 11438.0 | 29.3 | 19.2 | 48.5 | 54.0 | -5.5 | Peak | Vertical |
| | 15764.5 | 30.5 | 20.4 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 52 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8276.0 | 31.0 | 11.9 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 10078.0 | 30.9 | 15.6 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 11455.0 | 30.7 | 19.2 | 49.9 | 54.0 | -4.1 | Peak | Horizontal |
| | 14872.0 | 29.7 | 22.3 | 52.0 | 54.0 | -2.0 | Peak | Horizontal |
| * | 8097.5 | 31.8 | 12.3 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| * | 10129.0 | 31.5 | 15.9 | 47.4 | 68.2 | -20.8 | Peak | Vertical |
| | 11395.5 | 29.9 | 19.1 | 49.0 | 54.0 | -5.0 | Peak | Vertical |
| | 15084.5 | 29.9 | 21.6 | 51.5 | 54.0 | -2.5 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 60 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8242.0 | 32.0 | 11.9 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| * | 10052.5 | 32.2 | 15.5 | 47.7 | 68.2 | -20.5 | Peak | Horizontal |
| | 11540.0 | 30.9 | 19.4 | 50.3 | 54.0 | -3.7 | Peak | Horizontal |
| | 15220.5 | 32.2 | 21.4 | 53.6 | 54.0 | -0.4 | Peak | Horizontal |
| * | 8140.0 | 31.1 | 12.2 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| * | 9942.0 | 31.3 | 15.3 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| | 11429.5 | 29.6 | 19.2 | 48.8 | 54.0 | -5.2 | Peak | Vertical |
| | 14948.5 | 30.7 | 22.0 | 52.7 | 54.0 | -1.3 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 64 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 30.5 | 12.0 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 10035.5 | 31.1 | 15.5 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| | 11089.5 | 30.7 | 18.6 | 49.3 | 54.0 | -4.7 | Peak | Horizontal |
| | 15016.5 | 31.1 | 21.7 | 52.8 | 54.0 | -1.2 | Peak | Horizontal |
| * | 8165.5 | 31.8 | 12.1 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| * | 10035.5 | 31.3 | 15.5 | 46.8 | 68.2 | -21.4 | Peak | Vertical |
| | 11480.5 | 29.9 | 19.3 | 49.2 | 54.0 | -4.8 | Peak | Vertical |
| | 15033.5 | 30.6 | 21.7 | 52.3 | 54.0 | -1.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 100 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8276.0 | 31.2 | 11.9 | 43.1 | 68.2 | -25.1 | Peak | Horizontal |
| * | 10078.0 | 30.6 | 15.6 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| | 11480.5 | 30.6 | 19.3 | 49.9 | 54.0 | -4.1 | Peak | Horizontal |
| | 14991.0 | 31.2 | 21.8 | 53.0 | 54.0 | -1.0 | Peak | Horizontal |
| * | 8199.5 | 30.8 | 12.0 | 42.8 | 68.2 | -25.4 | Peak | Vertical |
| * | 10027.0 | 32.2 | 15.4 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| | 11412.5 | 30.4 | 19.1 | 49.5 | 54.0 | -4.5 | Peak | Vertical |
| | 14931.5 | 29.9 | 22.1 | 52.0 | 54.0 | -2.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 120 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8165.5 | 30.8 | 12.1 | 42.9 | 68.2 | -25.3 | Peak | Horizontal |
| * | 10001.5 | 31.3 | 15.4 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| | 11081.0 | 30.1 | 18.6 | 48.7 | 54.0 | -5.3 | Peak | Horizontal |
| | 15118.5 | 29.9 | 21.6 | 51.5 | 54.0 | -2.5 | Peak | Horizontal |
| * | 8140.0 | 31.7 | 12.2 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| * | 10035.5 | 31.2 | 15.5 | 46.7 | 68.2 | -21.5 | Peak | Vertical |
| | 11327.5 | 28.9 | 18.9 | 47.8 | 54.0 | -6.2 | Peak | Vertical |
| | 14880.5 | 30.5 | 22.3 | 52.8 | 54.0 | -1.2 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 140 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 31.4 | 12.0 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| * | 10035.5 | 30.2 | 15.5 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 11310.5 | 28.3 | 18.9 | 47.2 | 54.0 | -6.8 | Peak | Horizontal |
| | 14897.5 | 29.4 | 22.2 | 51.6 | 54.0 | -2.4 | Peak | Horizontal |
| * | 8174.0 | 30.4 | 12.0 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 9916.5 | 30.1 | 15.3 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 11293.5 | 28.7 | 18.9 | 47.6 | 54.0 | -6.4 | Peak | Vertical |
| | 14863.5 | 28.9 | 22.4 | 51.3 | 54.0 | -2.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 144 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8131.5 | 29.8 | 12.2 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 9942.0 | 29.4 | 15.3 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 11021.5 | 28.9 | 18.5 | 47.4 | 54.0 | -6.6 | Peak | Horizontal |
| | 15093.0 | 29.4 | 21.6 | 51.0 | 54.0 | -3.0 | Peak | Horizontal |
| * | 8174.0 | 30.7 | 12.0 | 42.7 | 68.2 | -25.5 | Peak | Vertical |
| * | 10044.0 | 29.4 | 15.5 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11429.5 | 28.7 | 19.2 | 47.9 | 54.0 | -6.1 | Peak | Vertical |
| | 14846.5 | 29.0 | 22.4 | 51.4 | 54.0 | -2.6 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 54 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8174.0 | 31.5 | 12.0 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 10035.5 | 31.3 | 15.5 | 46.8 | 68.2 | -21.4 | Peak | Horizontal |
| | 11157.5 | 30.4 | 18.7 | 49.1 | 54.0 | -4.9 | Peak | Horizontal |
| | 15033.5 | 30.2 | 21.7 | 51.9 | 54.0 | -2.1 | Peak | Horizontal |
| * | 8131.5 | 31.4 | 12.2 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 9993.0 | 30.3 | 15.4 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11098.0 | 29.4 | 18.6 | 48.0 | 54.0 | -6.0 | Peak | Vertical |
| | 15203.5 | 29.9 | 21.4 | 51.3 | 54.0 | -2.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 62 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8225.0 | 30.9 | 11.9 | 42.8 | 68.2 | -25.4 | Peak | Horizontal |
| * | 10078.0 | 30.1 | 15.6 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 11106.5 | 30.2 | 18.6 | 48.8 | 54.0 | -5.2 | Peak | Horizontal |
| | 15084.5 | 30.5 | 21.6 | 52.1 | 54.0 | -1.9 | Peak | Horizontal |
| * | 8148.5 | 31.9 | 12.1 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| * | 10035.5 | 30.5 | 15.5 | 46.0 | 68.2 | -22.2 | Peak | Vertical |
| | 10877.0 | 30.8 | 18.2 | 49.0 | 54.0 | -5.0 | Peak | Vertical |
| | 15127.0 | 30.4 | 21.6 | 52.0 | 54.0 | -2.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 102 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8242.0 | 31.8 | 11.9 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| * | 10171.5 | 29.6 | 16.1 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 11361.5 | 29.5 | 19.0 | 48.5 | 54.0 | -5.5 | Peak | Horizontal |
| | 15322.5 | 30.5 | 21.2 | 51.7 | 54.0 | -2.3 | Peak | Horizontal |
| * | 8131.5 | 31.4 | 12.2 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| * | 9993.0 | 29.9 | 15.4 | 45.3 | 68.2 | -22.9 | Peak | Vertical |
| | 11327.5 | 28.6 | 18.9 | 47.5 | 54.0 | -6.5 | Peak | Vertical |
| | 15212.0 | 30.0 | 21.4 | 51.4 | 54.0 | -2.6 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1<br>(Beam-Forming Mode) | Test Channel: | 118 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 29.8 | 12.0 | 41.8 | 68.2 | -26.4 | Peak | Horizontal |
| * | 9993.0 | 30.5 | 15.4 | 45.9 | 68.2 | -22.3 | Peak | Horizontal |
| | 11463.5 | 30.6 | 19.3 | 49.9 | 54.0 | -4.1 | Peak | Horizontal |
| | 15025.0 | 30.8 | 21.7 | 52.5 | 54.0 | -1.5 | Peak | Horizontal |
| * | 8191.0 | 29.7 | 12.0 | 41.7 | 68.2 | -26.5 | Peak | Vertical |
| * | 10052.5 | 29.8 | 15.5 | 45.3 | 68.2 | -22.9 | Peak | Vertical |
| | 11710.0 | 28.4 | 19.1 | 47.5 | 54.0 | -6.5 | Peak | Vertical |
| | 15161.0 | 30.5 | 21.5 | 52.0 | 54.0 | -2.0 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 134 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 30.0 | 12.0 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 10044.0 | 29.9 | 15.5 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11021.5 | 29.1 | 18.5 | 47.6 | 54.0 | -6.4 | Peak | Horizontal |
| | 14914.5 | 29.6 | 22.1 | 51.7 | 54.0 | -2.3 | Peak | Horizontal |
| * | 8199.5 | 32.2 | 12.0 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| * | 9993.0 | 30.7 | 15.4 | 46.1 | 68.2 | -22.1 | Peak | Vertical |
| | 11072.5 | 29.1 | 18.6 | 47.7 | 54.0 | -6.3 | Peak | Vertical |
| | 14897.5 | 29.2 | 22.2 | 51.4 | 54.0 | -2.6 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 142 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8174.0 | 30.5 | 12.0 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 9959.0 | 29.4 | 15.3 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 11361.5 | 29.9 | 19.0 | 48.9 | 54.0 | -5.1 | Peak | Horizontal |
| | 14846.5 | 29.5 | 22.4 | 51.9 | 54.0 | -2.1 | Peak | Horizontal |
| * | 8242.0 | 29.0 | 11.9 | 40.9 | 68.2 | -27.3 | Peak | Vertical |
| * | 10035.5 | 29.8 | 15.5 | 45.3 | 68.2 | -22.9 | Peak | Vertical |
| | 11378.5 | 28.2 | 19.1 | 47.3 | 54.0 | -6.7 | Peak | Vertical |
| | 14846.5 | 28.5 | 22.4 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 52 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8216.5 | 31.6 | 11.9 | 43.5 | 68.2 | -24.7 | Peak | Horizontal |
| * | 9993.0 | 29.9 | 15.4 | 45.3 | 68.2 | -22.9 | Peak | Horizontal |
| | 11174.5 | 29.1 | 18.7 | 47.8 | 54.0 | -6.2 | Peak | Horizontal |
| | 15101.5 | 29.7 | 21.6 | 51.3 | 54.0 | -2.7 | Peak | Horizontal |
| * | 8208.0 | 29.6 | 11.9 | 41.5 | 68.2 | -26.7 | Peak | Vertical |
| * | 9993.0 | 30.0 | 15.4 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 11208.5 | 28.4 | 18.8 | 47.2 | 54.0 | -6.8 | Peak | Vertical |
| | 15084.5 | 30.3 | 21.6 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 60 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8089.0 | 30.5 | 12.3 | 42.8 | 68.2 | -25.4 | Peak | Horizontal |
| * | 9967.5 | 31.3 | 15.3 | 46.6 | 68.2 | -21.6 | Peak | Horizontal |
| | 11582.5 | 30.8 | 19.5 | 50.3 | 54.0 | -3.7 | Peak | Horizontal |
| | 14872.0 | 29.9 | 22.3 | 52.2 | 54.0 | -1.8 | Peak | Horizontal |
| * | 8242.0 | 31.2 | 11.9 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 10052.5 | 30.3 | 15.5 | 45.8 | 68.2 | -22.4 | Peak | Vertical |
| | 11276.5 | 28.4 | 18.8 | 47.2 | 54.0 | -6.8 | Peak | Vertical |
| | 15076.0 | 30.3 | 21.6 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 64 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 30.0 | 12.0 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 10120.5 | 29.6 | 15.8 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11506.0 | 29.9 | 19.4 | 49.3 | 54.0 | -4.7 | Peak | Horizontal |
| | 14957.0 | 29.7 | 22.0 | 51.7 | 54.0 | -2.3 | Peak | Horizontal |
| * | 8140.0 | 29.9 | 12.2 | 42.1 | 68.2 | -26.1 | Peak | Vertical |
| * | 9993.0 | 29.6 | 15.4 | 45.0 | 68.2 | -23.2 | Peak | Vertical |
| | 11072.5 | 28.7 | 18.6 | 47.3 | 54.0 | -6.7 | Peak | Vertical |
| | 14991.0 | 29.6 | 21.8 | 51.4 | 54.0 | -2.6 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 100 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8123.0 | 30.8 | 12.2 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| * | 9942.0 | 30.1 | 15.3 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11174.5 | 29.4 | 18.7 | 48.1 | 54.0 | -5.9 | Peak | Horizontal |
| | 14948.5 | 30.5 | 22.0 | 52.5 | 54.0 | -1.5 | Peak | Horizontal |
| * | 8165.5 | 30.8 | 12.1 | 42.9 | 68.2 | -25.3 | Peak | Vertical |
| * | 9950.5 | 31.9 | 15.3 | 47.2 | 68.2 | -21.0 | Peak | Vertical |
| | 11480.5 | 31.0 | 19.3 | 50.3 | 54.0 | -3.7 | Peak | Vertical |
| | 14906.0 | 29.6 | 22.2 | 51.8 | 54.0 | -2.2 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 120 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8225.0 | 29.6 | 11.9 | 41.5 | 68.2 | -26.7 | Peak | Horizontal |
| * | 9942.0 | 30.1 | 15.3 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| | 11387.0 | 29.8 | 19.1 | 48.9 | 54.0 | -5.1 | Peak | Horizontal |
| | 15169.5 | 30.1 | 21.5 | 51.6 | 54.0 | -2.4 | Peak | Horizontal |
| * | 8225.0 | 30.9 | 11.9 | 42.8 | 68.2 | -25.4 | Peak | Vertical |
| * | 9984.5 | 30.0 | 15.4 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 10775.0 | 28.9 | 17.8 | 46.7 | 54.0 | -7.3 | Peak | Vertical |
| | 15067.5 | 29.9 | 21.6 | 51.5 | 54.0 | -2.5 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 140 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8089.0 | 30.2 | 12.3 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 9993.0 | 31.1 | 15.4 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 11166.0 | 30.4 | 18.7 | 49.1 | 54.0 | -4.9 | Peak | Horizontal |
| | 14880.5 | 30.3 | 22.3 | 52.6 | 54.0 | -1.4 | Peak | Horizontal |
| * | 8165.5 | 31.0 | 12.1 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| * | 10120.5 | 32.2 | 15.8 | 48.0 | 68.2 | -20.2 | Peak | Vertical |
| | 11667.5 | 29.5 | 19.3 | 48.8 | 54.0 | -5.2 | Peak | Vertical |
| | 14838.0 | 29.6 | 22.5 | 52.1 | 54.0 | -1.9 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 144 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8225.0 | 29.5 | 11.9 | 41.4 | 68.2 | -26.8 | Peak | Horizontal |
| * | 9908.0 | 29.8 | 15.3 | 45.1 | 68.2 | -23.1 | Peak | Horizontal |
| | 11123.5 | 29.3 | 18.6 | 47.9 | 54.0 | -6.1 | Peak | Horizontal |
| | 15135.5 | 29.8 | 21.5 | 51.3 | 54.0 | -2.7 | Peak | Horizontal |
| * | 8131.5 | 29.1 | 12.2 | 41.3 | 68.2 | -26.9 | Peak | Vertical |
| * | 9959.0 | 30.5 | 15.3 | 45.8 | 68.2 | -22.4 | Peak | Vertical |
| | 11540.0 | 30.3 | 19.4 | 49.7 | 54.0 | -4.3 | Peak | Vertical |
| | 14710.5 | 28.9 | 22.8 | 51.7 | 54.0 | -2.3 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 54 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8276.0 | 30.5 | 11.9 | 42.4 | 68.2 | -25.8 | Peak | Horizontal |
| * | 10180.0 | 29.5 | 16.1 | 45.6 | 68.2 | -22.6 | Peak | Horizontal |
| | 11429.5 | 29.3 | 19.2 | 48.5 | 54.0 | -5.5 | Peak | Horizontal |
| | 14838.0 | 29.3 | 22.5 | 51.8 | 54.0 | -2.2 | Peak | Horizontal |
| * | 8199.5 | 30.1 | 12.0 | 42.1 | 68.2 | -26.1 | Peak | Vertical |
| * | 9993.0 | 29.8 | 15.4 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 11565.5 | 29.7 | 19.5 | 49.2 | 54.0 | -4.8 | Peak | Vertical |
| | 14863.5 | 29.2 | 22.4 | 51.6 | 54.0 | -2.4 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 52 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8165.5 | 29.9 | 12.1 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 9950.5 | 30.4 | 15.3 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 11676.0 | 29.0 | 19.2 | 48.2 | 54.0 | -5.8 | Peak | Horizontal |
| | 14999.5 | 29.7 | 21.8 | 51.5 | 54.0 | -2.5 | Peak | Horizontal |
| * | 8259.0 | 31.0 | 11.9 | 42.9 | 68.2 | -25.3 | Peak | Vertical |
| * | 10044.0 | 30.2 | 15.5 | 45.7 | 68.2 | -22.5 | Peak | Vertical |
| | 11395.5 | 29.3 | 19.1 | 48.4 | 54.0 | -5.6 | Peak | Vertical |
| | 15084.5 | 29.9 | 21.6 | 51.5 | 54.0 | -2.5 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 102 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 29.4 | 12.0 | 41.4 | 68.2 | -26.8 | Peak | Horizontal |
| * | 9942.0 | 29.8 | 15.3 | 45.1 | 68.2 | -23.1 | Peak | Horizontal |
| | 11412.5 | 29.8 | 19.1 | 48.9 | 54.0 | -5.1 | Peak | Horizontal |
| | 14991.0 | 29.5 | 21.8 | 51.3 | 54.0 | -2.7 | Peak | Horizontal |
| * | 8250.5 | 30.8 | 11.9 | 42.7 | 68.2 | -25.5 | Peak | Vertical |
| * | 9959.0 | 29.5 | 15.3 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11429.5 | 29.5 | 19.2 | 48.7 | 54.0 | -5.3 | Peak | Vertical |
| | 14957.0 | 29.9 | 22.0 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 118 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8242.0 | 30.4 | 11.9 | 42.3 | 68.2 | -25.9 | Peak | Horizontal |
| * | 9942.0 | 29.9 | 15.3 | 45.2 | 68.2 | -23.0 | Peak | Horizontal |
| | 11599.5 | 31.5 | 19.4 | 50.9 | 54.0 | -3.1 | Peak | Horizontal |
| | 14965.5 | 30.3 | 21.9 | 52.2 | 54.0 | -1.8 | Peak | Horizontal |
| * | 8191.0 | 31.8 | 12.0 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| * | 10035.5 | 30.8 | 15.5 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| | 11472.0 | 31.4 | 19.3 | 50.7 | 54.0 | -3.3 | Peak | Vertical |
| | 15084.5 | 30.3 | 21.6 | 51.9 | 54.0 | -2.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 134 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8250.5 | 30.6 | 11.9 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| * | 10188.5 | 29.3 | 16.2 | 45.5 | 68.2 | -22.7 | Peak | Horizontal |
| | 11344.5 | 29.1 | 19.0 | 48.1 | 54.0 | -5.9 | Peak | Horizontal |
| | 14863.5 | 29.1 | 22.4 | 51.5 | 54.0 | -2.5 | Peak | Horizontal |
| * | 8250.5 | 30.4 | 11.9 | 42.3 | 68.2 | -25.9 | Peak | Vertical |
| * | 9993.0 | 29.9 | 15.4 | 45.3 | 68.2 | -22.9 | Peak | Vertical |
| | 11489.0 | 30.0 | 19.3 | 49.3 | 54.0 | -4.7 | Peak | Vertical |
| | 14685.0 | 29.5 | 22.8 | 52.3 | 54.0 | -1.7 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 142 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8259.0 | 29.2 | 11.9 | 41.1 | 68.2 | -27.1 | Peak | Horizontal |
| * | 10146.0 | 31.4 | 16.0 | 47.4 | 68.2 | -20.8 | Peak | Horizontal |
| | 11174.5 | 30.3 | 18.7 | 49.0 | 54.0 | -5.0 | Peak | Horizontal |
| | 14736.0 | 29.4 | 22.7 | 52.1 | 54.0 | -1.9 | Peak | Horizontal |
| * | 8165.5 | 30.0 | 12.1 | 42.1 | 68.2 | -26.1 | Peak | Vertical |
| * | 10001.5 | 28.9 | 15.4 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11429.5 | 28.1 | 19.2 | 47.3 | 54.0 | -6.7 | Peak | Vertical |
| | 14974.0 | 29.0 | 21.9 | 50.9 | 54.0 | -3.1 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 58 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 31.9 | 12.0 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| * | 10018.5 | 30.5 | 15.4 | 45.9 | 68.2 | -22.3 | Peak | Horizontal |
| | 11455.0 | 30.5 | 19.2 | 49.7 | 54.0 | -4.3 | Peak | Horizontal |
| | 14855.0 | 29.0 | 22.4 | 51.4 | 54.0 | -2.6 | Peak | Horizontal |
| * | 8259.0 | 29.4 | 11.9 | 41.3 | 68.2 | -26.9 | Peak | Vertical |
| * | 9899.5 | 30.0 | 15.4 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 11438.0 | 29.7 | 19.2 | 48.9 | 54.0 | -5.1 | Peak | Vertical |
| | 14923.0 | 29.3 | 22.1 | 51.4 | 54.0 | -2.6 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 106 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8148.5 | 32.0 | 12.1 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| * | 9993.0 | 30.4 | 15.4 | 45.8 | 68.2 | -22.4 | Peak | Horizontal |
| | 11310.5 | 29.4 | 18.9 | 48.3 | 54.0 | -5.7 | Peak | Horizontal |
| | 15178.0 | 30.2 | 21.4 | 51.6 | 54.0 | -2.4 | Peak | Horizontal |
| * | 8242.0 | 30.5 | 11.9 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| * | 9916.5 | 30.2 | 15.3 | 45.5 | 68.2 | -22.7 | Peak | Vertical |
| | 11701.5 | 28.8 | 19.1 | 47.9 | 54.0 | -6.1 | Peak | Vertical |
| | 14829.5 | 29.0 | 22.5 | 51.5 | 54.0 | -2.5 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 122 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 8199.5 | 30.0 | 12.0 | 42.0 | 68.2 | -26.2 | Peak | Horizontal |
| * | 10180.0 | 29.6 | 16.1 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 11812.0 | 28.4 | 18.7 | 47.1 | 54.0 | -6.9 | Peak | Horizontal |
| | 14948.5 | 29.9 | 22.0 | 51.9 | 54.0 | -2.1 | Peak | Horizontal |
| * | 8276.0 | 30.7 | 11.9 | 42.6 | 68.2 | -25.6 | Peak | Vertical |
| * | 10061.0 | 29.5 | 15.6 | 45.1 | 68.2 | -23.1 | Peak | Vertical |
| | 11531.5 | 29.1 | 19.4 | 48.5 | 54.0 | -5.5 | Peak | Vertical |
| | 15016.5 | 29.9 | 21.7 | 51.6 | 54.0 | -2.4 | 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)

| Product | ACCESS POINT | Temperature | 26°C |
|---|---|---|---|
| Test Engineer | Kevin Ker | Relative Humidity | 57 % |
| Test Site | AC1 | Test Date | 2017/10/18 |
| Test Mode: | 802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode) | Test Channel: | 138 |
| Remark: | 1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands.<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 |
|---|---|---|---|---|---|---|---|---|
| * | 8208.0 | 29.4 | 11.9 | 41.3 | 68.2 | -26.9 | Peak | Horizontal |
| * | 10001.5 | 29.8 | 15.4 | 45.2 | 68.2 | -23.0 | Peak | Horizontal |
| | 11200.0 | 28.7 | 18.7 | 47.4 | 54.0 | -6.6 | Peak | Horizontal |
| | 15237.5 | 30.2 | 21.3 | 51.5 | 54.0 | -2.5 | Peak | Horizontal |
| * | 8174.0 | 29.9 | 12.0 | 41.9 | 68.2 | -26.3 | Peak | Vertical |
| * | 9950.5 | 29.8 | 15.3 | 45.1 | 68.2 | -23.1 | Peak | Vertical |
| | 11021.5 | 29.0 | 18.5 | 47.5 | 54.0 | -6.5 | Peak | Vertical |
| | 15076.0 | 29.8 | 21.6 | 51.4 | 54.0 | -2.6 | Peak | Vertical |

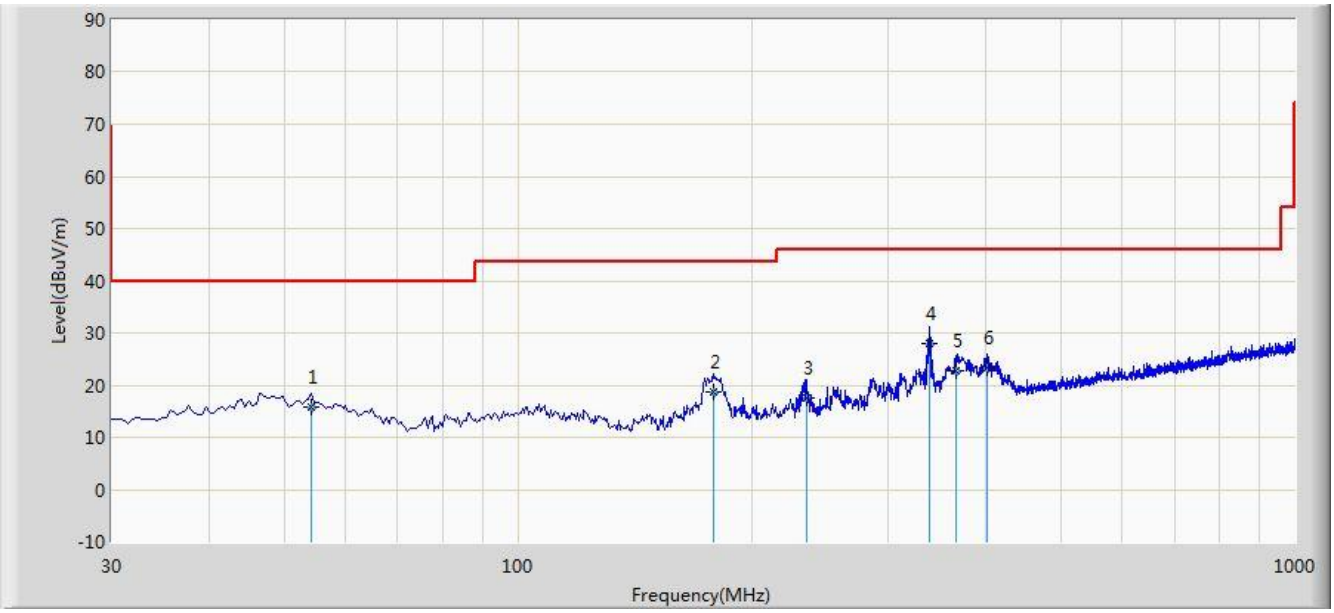
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/11/06 - 18:22 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB9162_0.03-8GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Note: There is the worst case within frequency range 30MHz~1GHz.** | |



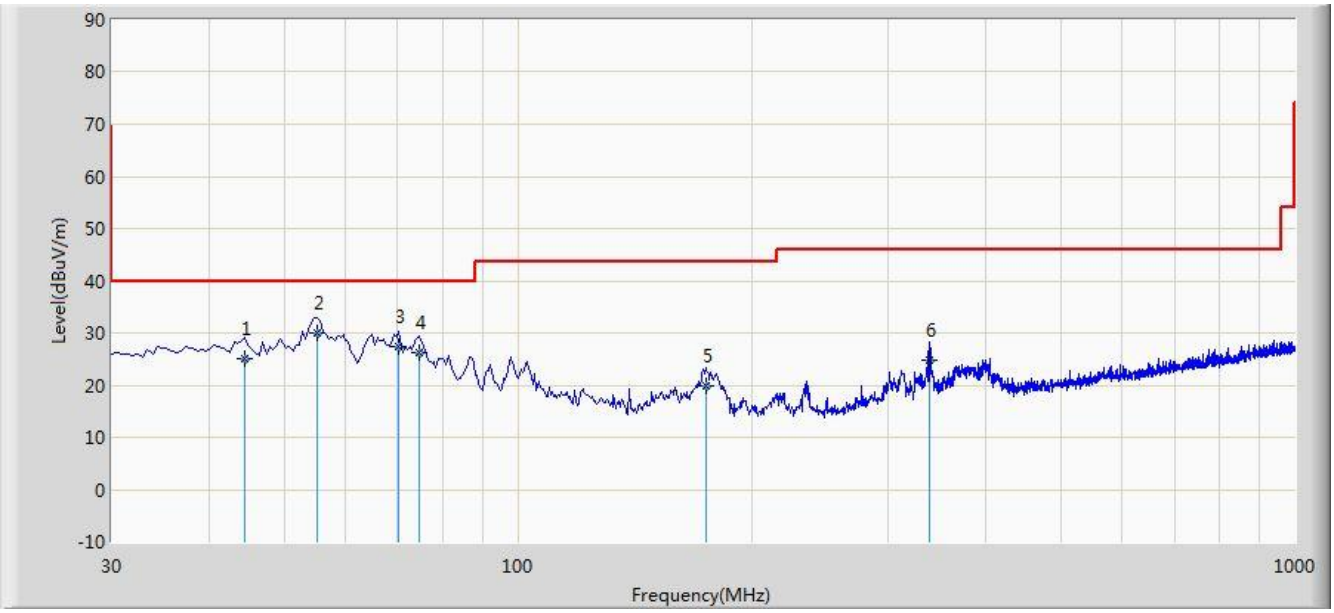

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 54.250 | 15.926 | 1.120 | -24.074 | 40.000 | 14.806 | QP |
| 2 | | | 178.895 | 18.790 | 7.940 | -24.710 | 43.500 | 10.850 | QP |
| 3 | | | 235.155 | 17.602 | 4.340 | -28.398 | 46.000 | 13.262 | QP |
| 4 | | * | 338.945 | 27.866 | 12.210 | -18.134 | 46.000 | 15.656 | QP |
| 5 | | | 367.075 | 22.658 | 6.540 | -23.342 | 46.000 | 16.118 | QP |
| 6 | | | 401.025 | 23.373 | 6.590 | -22.627 | 46.000 | 16.783 | QP |

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

| | |
|---|---|
| Site: AC1 | Time: 2017/11/06 - 18:23 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: VULB9162_0.03-8GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| **Note: There is the worst case within frequency range 30MHz~1GHz.** | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Margin (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 44.550 | 25.210 | 10.454 | -14.790 | 40.000 | 14.756 | QP |
| 2 | | * | 55.220 | 30.078 | 15.430 | -9.922 | 40.000 | 14.648 | QP |
| 3 | | | 70.255 | 27.384 | 16.540 | -12.616 | 40.000 | 10.844 | QP |
| 4 | | | 74.620 | 26.366 | 16.540 | -13.634 | 40.000 | 9.826 | QP |
| 5 | | | 174.530 | 19.947 | 9.430 | -23.553 | 43.500 | 10.517 | QP |
| 6 | | | 338.945 | 24.886 | 9.230 | -21.114 | 46.000 | 15.656 | QP |

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

## 7.8. Radiated RestrictedBand Edge Measurement

### 7.8.1.Test Limit

**For 15.205 requirement:**

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

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

**For 15.407(b) requirement:**

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

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

Refer to KDB 789033 D02v01r04 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with

both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

### 7.8.2.Test Procedure Used

KDB 789033 D02v01r04 – Section G

### 7.8.3.Test Setting

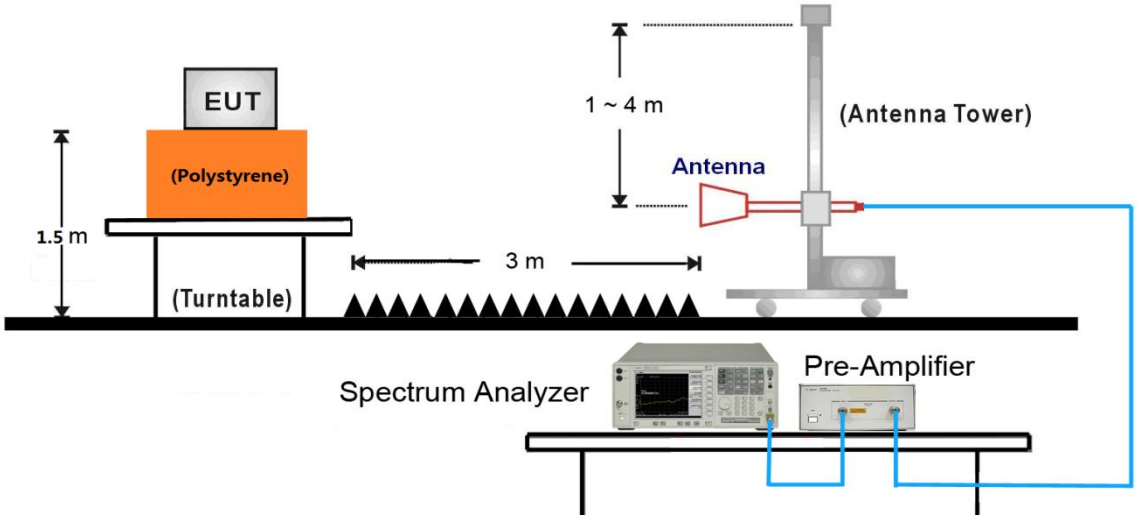
**Peak Measurements above 1GHz**

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

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

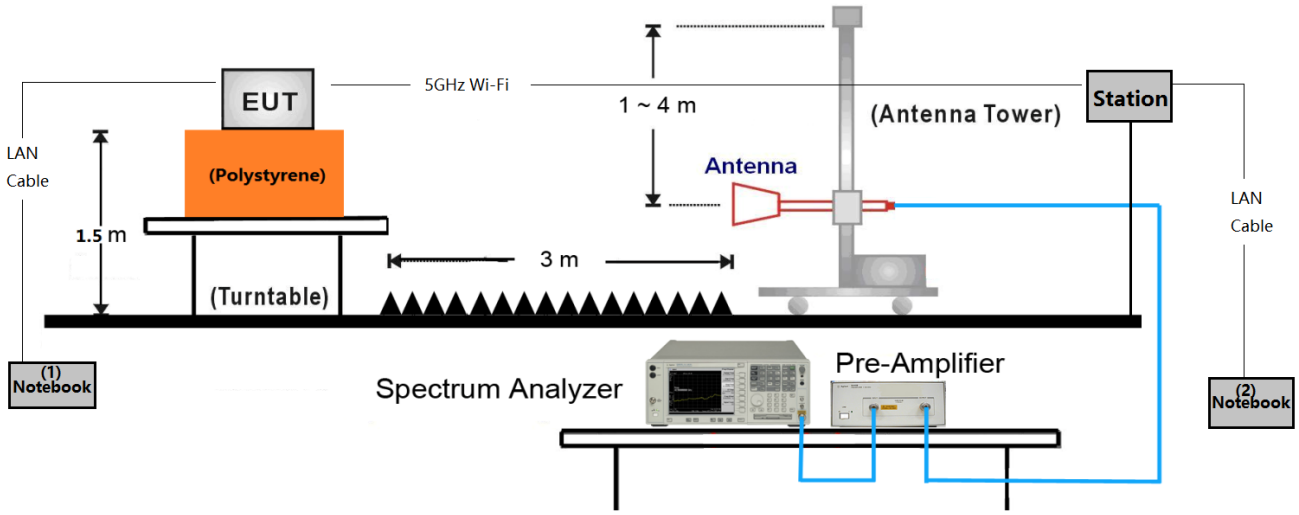
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. If duty cycle ≥ 98%, VBW ≤ RBW/100 but not less than 10Hz; If duty cycle < 98%, set VBW ≥ 1/T.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow max hold to run 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.

### 7.8.4.Test Setup




Note: This item was performed with the WIFI antenna connected.

Additional Beam-Forming Mode Test Setup




Make the EUT connect with the station by 5GHz wireless.

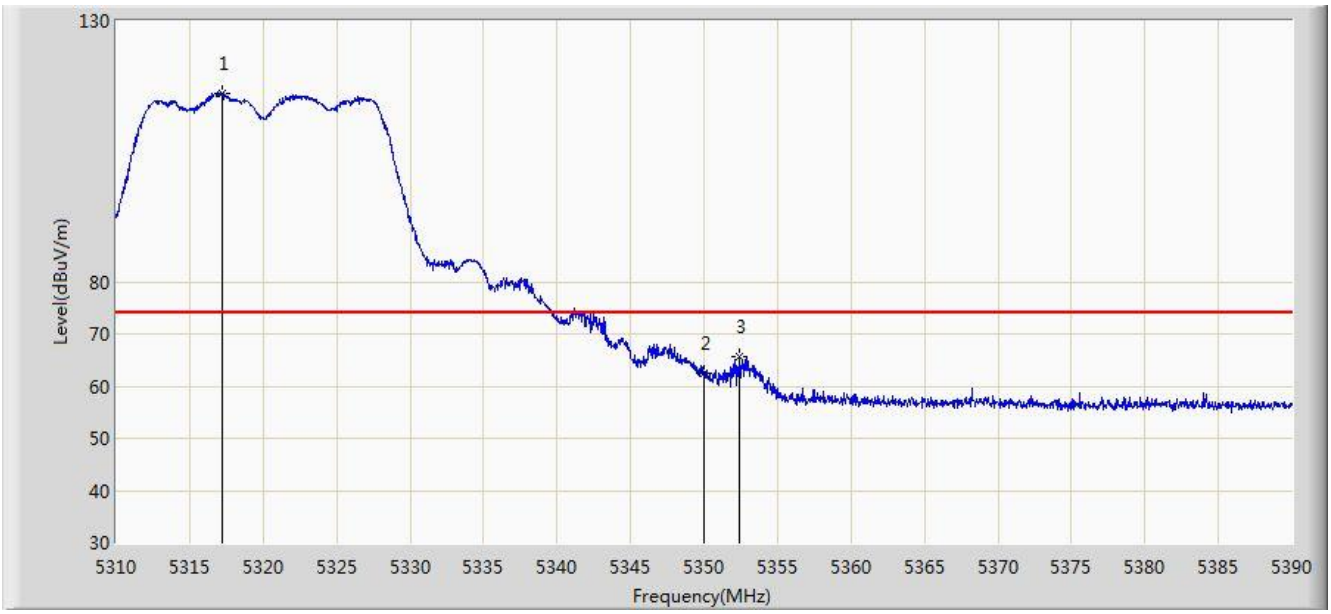
Input some commands in the notebook (1) to open the EUT Beam Forming function, and setup the related test channel & data rate & power setting.

Make the notebook (1) ping with notebook (2) using the “iperf” software that can produce one bigger duty cycle waveform.

| Beam-Forming Mode | | |
|---|---|---|
| Test Mode | Duty Cycle (%) | T = Transmission Duration (ms) |
| 802.11n-HT20 | 91.30 | 1.752 |
| 802.11n-HT40 | 90.78 | 1.683 |
| 802.11ac-VHT20 | 91.09 | 1.748 |
| 802.11ac-VHT40 | 90.78 | 1.683 |
| 802.11ac-VHT80 | 93.33 | 1.862 |

### 7.8.5.Test Result

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:41 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 + 1 (CDD Mode) | |

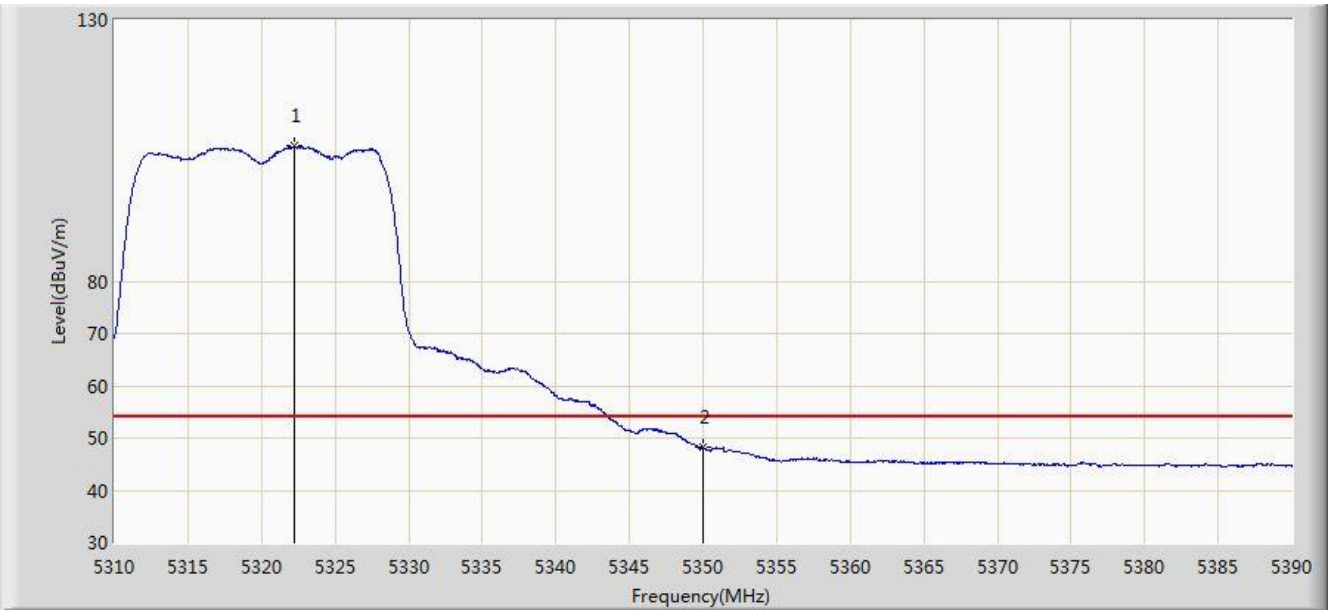



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5317.240 | 116.196 | 112.353 | N/A | N/A | 3.843 | PK |
| 2 | | | 5350.000 | 62.396 | 58.491 | -11.604 | 74.000 | 3.904 | PK |
| 3 | | | 5352.440 | 65.650 | 61.741 | -8.350 | 74.000 | 3.909 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:39 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 + 1 (CDD Mode) | |

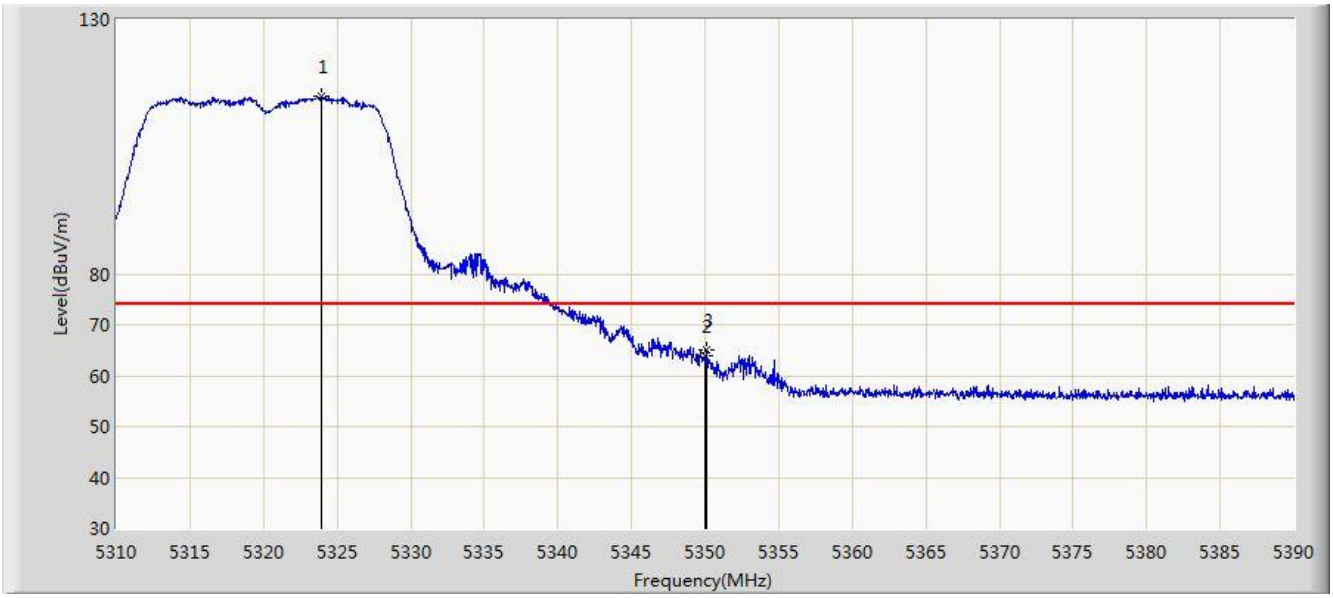



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5322.200 | 105.817 | 101.964 | N/A | N/A | 3.853 | AV |
| 2 | | | 5350.000 | 48.118 | 44.213 | -5.882 | 54.000 | 3.904 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:42 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 + 1 (CDD Mode) | |

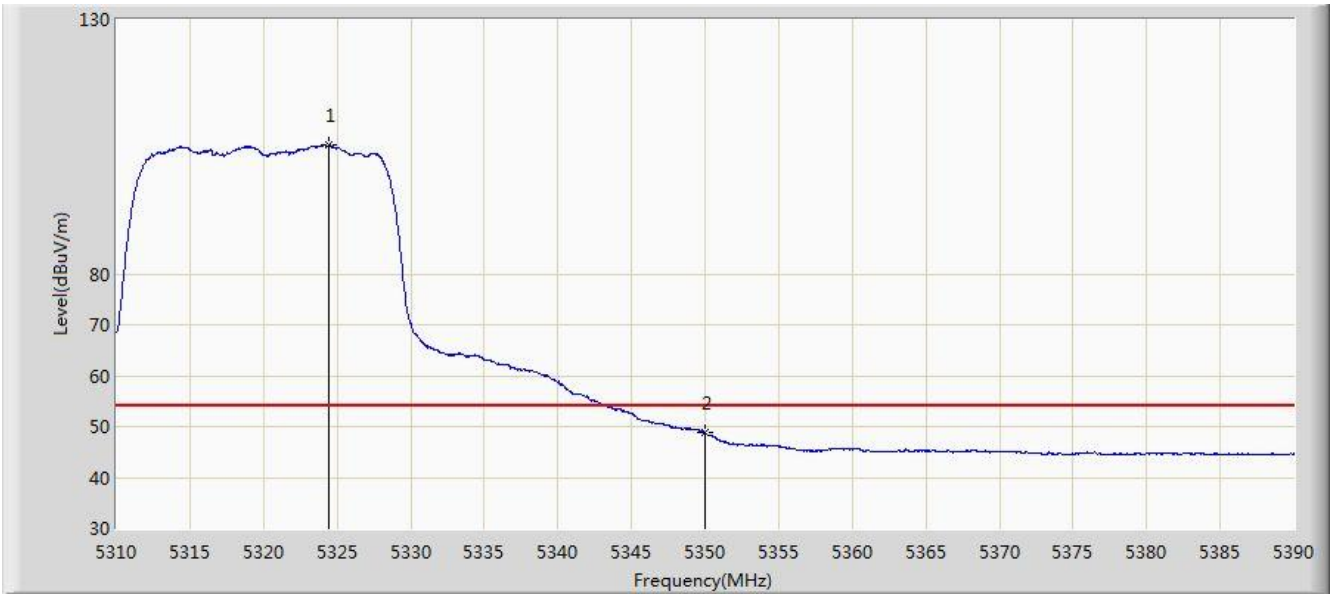



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5323.920 | 114.817 | 110.961 | N/A | N/A | 3.856 | PK |
| 2 | | | 5350.000 | 63.949 | 60.044 | -10.051 | 74.000 | 3.904 | PK |
| 3 | | | 5350.120 | 65.043 | 61.138 | -8.957 | 74.000 | 3.905 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:43 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0 + 1 (CDD Mode) | |

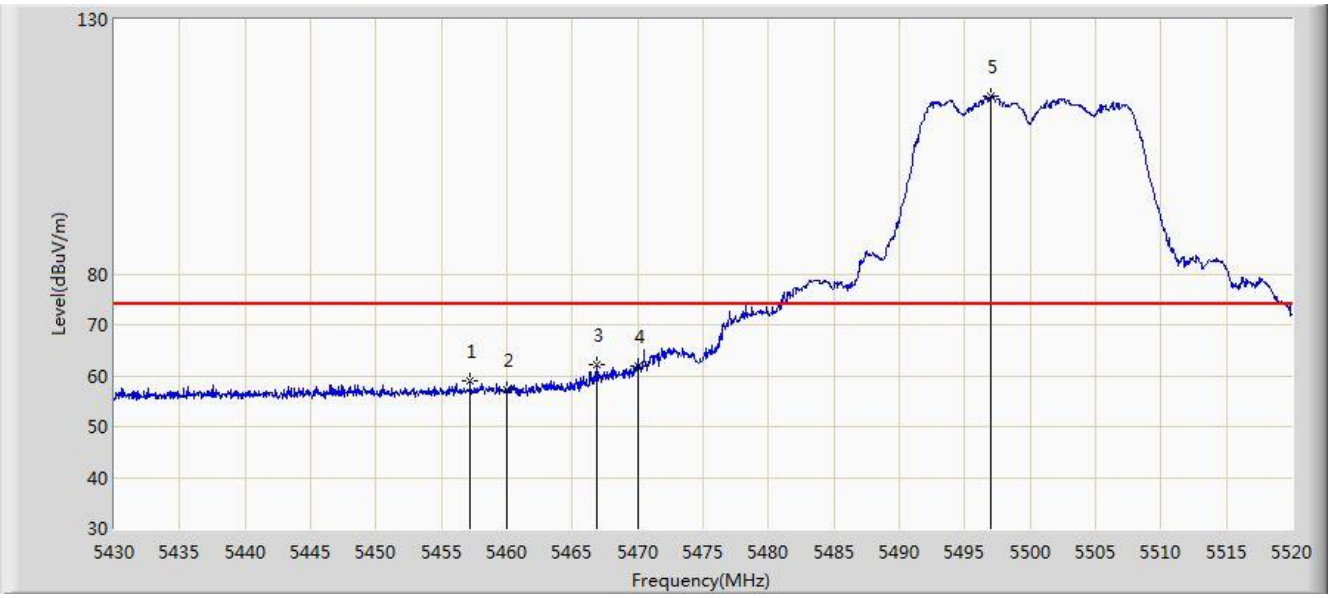



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | * | 5324.440 | 105.311 | 101.454 | N/A | N/A | 3.857 | AV |
| 2 | | | 5350.000 | 48.736 | 44.831 | -5.264 | 54.000 | 3.904 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:45 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 + 1 (CDD Mode) | |

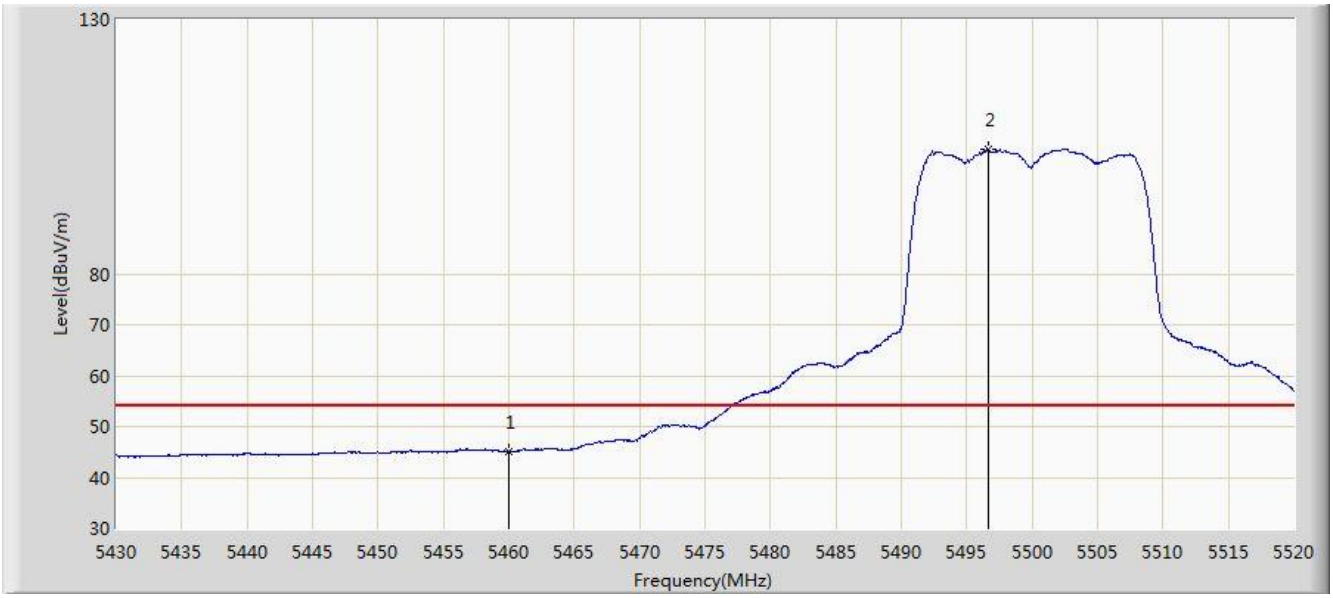



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5457.180 | 58.949 | 54.775 | -15.051 | 74.000 | 4.174 | PK |
| 2 | | | 5460.000 | 57.230 | 53.050 | -16.770 | 74.000 | 4.180 | PK |
| 3 | | | 5466.900 | 62.067 | 57.872 | -6.133 | 68.200 | 4.196 | PK |
| 4 | | | 5470.000 | 62.006 | 57.804 | -6.194 | 68.200 | 4.202 | PK |
| 5 | | * | 5497.005 | 115.055 | 110.791 | N/A | N/A | 4.264 | PK |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:47 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Horizontal |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 + 1 (CDD Mode) | |

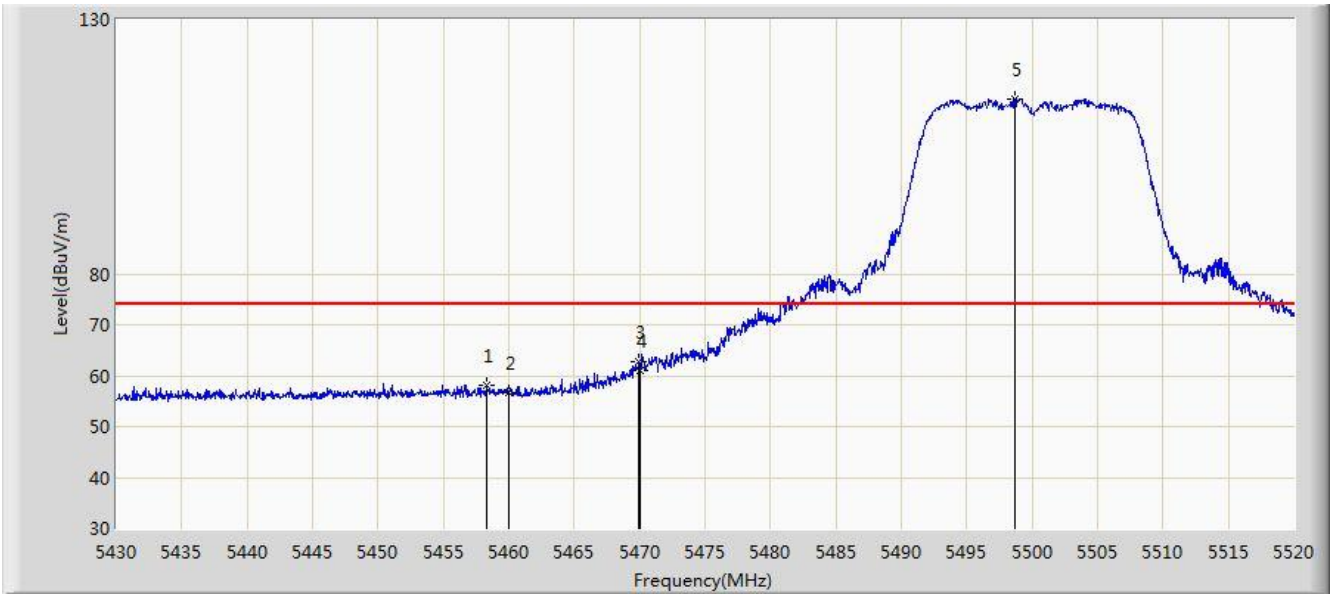



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5460.000 | 45.096 | 40.916 | -8.904 | 54.000 | 4.180 | AV |
| 2 | | * | 5496.600 | 104.505 | 100.242 | N/A | N/A | 4.263 | AV |

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

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

| | |
|---|---|
| Site: AC1 | Time: 2017/10/17 - 20:48 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kevin Ker |
| Probe: BBHA9120D_1GHz_18GHz | Polarity: Vertical |
| EUT: ACCESS POINT | Power: AC 120V/60Hz |
| Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0 + 1 (CDD Mode) | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 5458.350 | 58.260 | 54.083 | -15.740 | 74.000 | 4.177 | PK |
| 2 | | | 5460.000 | 56.732 | 52.552 | -17.268 | 74.000 | 4.180 | PK |
| 3 | | | 5469.915 | 62.849 | 58.647 | -5.351 | 68.200 | 4.202 | PK |
| 4 | | | 5470.000 | 61.133 | 56.931 | -7.067 | 68.200 | 4.202 | PK |
| 5 | | * | 5498.715 | 114.368 | 110.100 | N/A | N/A | 4.268 | PK |

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

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