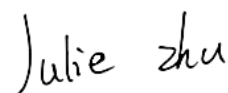


# TEST REPORT

**Applicant:** E&S International Enterprises, Inc.  
**Address:** 7801 Hayvenhurst Avenue, Van Nuys, California  
91406, United States  
**Equipment Type:** 8.68" Tablet  
**Model Name:** RATM30846 (refer to section 2.3)  
**Brand Name:** RCA  
**FCC ID:** 2AYPE-RATM30846  
**Test Standard:** 47 CFR Part 15 Subpart E  
(refer to section 3.1)  
**Sample Arrival Date:** May 31, 2024  
**Test Date:** Jun. 03, 2024 - Jun. 21, 2024  
**Date of Issue:** Jul. 04, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Julie Zhu**Checked by:** Ye Hongji**Approved by:** Liao Jianming  
(Technical Director)

**Revision History**

| Version        | Issue Date           | Revisions            |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Jul. 04, 2024</u> | <u>Initial Issue</u> |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

|              |                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------|
| Name         | Shenzhen BALUN Technology Co., Ltd.                                                                                          |
| Address      | Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Phone Number | +86 755 6685 0100                                                                                                            |

## 1.2 Test Location

|                           |                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                     |
| Location                  | <input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                        |
|                           | <input type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.                                                                                        |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| Applicant | E&S International Enterprises, Inc.                                |
| Address   | 7801 Hayvenhurst Avenue, Van Nuys, California 91406, United States |

### 2.2 Manufacturer Information

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Manufacturer | HENA GROUP COMPANY LIMITED                                           |
| Address      | ROOM 2205, WESTLANDS CENTRE, 20 WESTLAND ROAD, QUARRY BAY, HONG KONG |

### 2.3 General Description for Equipment under Test (EUT)

|                                           |                                                                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Name                                  | 8.68" Tablet                                                                                                                                                                  |
| Model Name Under Test                     | RATM30846                                                                                                                                                                     |
| Series Model Name                         | 86QF68, RATM30846-*****, RATM30846F-*****, RATM30846K-*****(The "*" in model name can be 0 to 9, A to Z, a to z, "-" or blank)                                                |
| Description of Model name differentiation | All models are same with electrical parameters and internal circuit structure, but only differ in shell color and model name.<br>(this information provided by the applicant) |
| Hardware Version                          | EM_T8123_V1.0 L20                                                                                                                                                             |
| Software Version                          | Android 14                                                                                                                                                                    |
| Dimensions (Approx.)                      | N/A                                                                                                                                                                           |
| Weight (Approx.)                          | N/A                                                                                                                                                                           |

## 2.4 Technical Information

|                                   |                                                                                                                                                             |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | Bluetooth (BR+EDR+BLE)<br>2.4G WIFI 802.11b, 802.11g and 802.11n(HT20/40)<br>5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80)<br>U-NII-1/2A/2C/3 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

The requirement for the following technical information of the EUT was tested in this report:

|                                                               |                                                                                                                                                                            |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range                                               | U-NII-1: 5150 MHz to 5250 MHz,<br>U-NII-2A: 5250 MHz to 5350 MHz,<br>U-NII-2C: 5470 MHz to 5725 MHz,<br>U-NII-3: 5725 MHz to 5850 MHz                                      |
| Product Type                                                  | <input type="checkbox"/> Mobile<br><input checked="" type="checkbox"/> Portable<br><input type="checkbox"/> Fix Location                                                   |
| Modulation technology                                         | OFDM                                                                                                                                                                       |
| Modulation Type                                               | 256QAM, 64QAM, 16QAM, BPSK, QPSK                                                                                                                                           |
| Transfer Rate (Mbps)<br>(Single RF path)                      | 802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps<br>802.11n: up to 150 Mbps<br>802.11ac: up to VHT-MCS9                                                                          |
| Channel Bandwidth                                             | 802.11a: 20 MHz<br>802.11n: 20 MHz, 40 MHz<br>802.11ac: 20 MHz, 40 MHz, 80 MHz                                                                                             |
| Maximum Output Power                                          | U-NII-1: 24.38 mW<br>U-NII-2A: 24.43 mW<br>U-NII-2C: 25.00 mW<br>U-NII-3: 24.77 mW                                                                                         |
| Antenna System (eg.,<br>MIMO, Smart Antenna)                  | N/A                                                                                                                                                                        |
| Categorization as<br>Correlated or Completely<br>Uncorrelated | N/A                                                                                                                                                                        |
| Antenna Type                                                  | PIFA Antenna                                                                                                                                                               |
| Antenna Gain                                                  | U-NII-1: 5150 MHz to 5250 MHz: 1.14 dBi<br>U-NII-2A: 5250 MHz to 5350 MHz: 2.03 dBi<br>U-NII-2C: 5470 MHz to 5725 MHz: 3.20 dBi<br>U-NII-3: 5725 MHz to 5850 MHz: 3.28 dBi |
| About the Product                                             | The equipment is 8.68" Tablet, intended for used with information technology equipment.                                                                                    |

## 2.5 Channel List

| 20 MHz         |                 | 40 MHz         |                 | 80 MHz         |                 |
|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Channel Number | Frequency (MHz) | Channel Number | Frequency (MHz) | Channel Number | Frequency (MHz) |
| <b>36</b>      | <b>5180</b>     | <b>38</b>      | <b>5190</b>     | <b>42</b>      | <b>5210</b>     |
| 40             | 5200            | <b>46</b>      | <b>5230</b>     | <b>58</b>      | <b>5290</b>     |
| <b>44</b>      | <b>5220</b>     | <b>54</b>      | <b>5270</b>     | <b>106</b>     | <b>5530</b>     |
| <b>48</b>      | <b>5240</b>     | <b>62</b>      | <b>5310</b>     | <b>122</b>     | <b>5610</b>     |
| <b>52</b>      | <b>5260</b>     | <b>102</b>     | <b>5510</b>     | <b>155</b>     | <b>5775</b>     |
| 56             | 5280            | 110            | 5550            |                |                 |
| <b>60</b>      | <b>5300</b>     | <b>118</b>     | <b>5590</b>     |                |                 |
| <b>64</b>      | <b>5320</b>     | 126            | 5630            |                |                 |
| <b>100</b>     | <b>5500</b>     | <b>134</b>     | <b>5670</b>     |                |                 |
| 104            | 5520            | <b>151</b>     | <b>5755</b>     |                |                 |
| 108            | 5540            | <b>159</b>     | <b>5795</b>     |                |                 |
| 112            | 5560            |                |                 |                |                 |
| <b>116</b>     | <b>5580</b>     |                |                 |                |                 |
| 120            | 5600            |                |                 |                |                 |
| 124            | 5620            |                |                 |                |                 |
| 128            | 5640            |                |                 |                |                 |
| 132            | 5660            |                |                 |                |                 |
| 136            | 5680            |                |                 |                |                 |
| <b>140</b>     | <b>5700</b>     |                |                 |                |                 |
| <b>149</b>     | <b>5745</b>     |                |                 |                |                 |
| 153            | 5765            |                |                 |                |                 |
| <b>157</b>     | <b>5785</b>     |                |                 |                |                 |
| 161            | 5805            |                |                 |                |                 |
| <b>165</b>     | <b>5825</b>     |                |                 |                |                 |

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)

| U-NII-1 (5150 - 5250 MHz) |         |                 | U-NII-2A (5250 - 5350 MHz) |         |                 |
|---------------------------|---------|-----------------|----------------------------|---------|-----------------|
| Channel Number            | Channel | Frequency (MHz) | Channel Number             | Channel | Frequency (MHz) |
| 36                        | Low     | 5180            | 52                         | Low     | 5260            |
| 44                        | Mid     | 5220            | 60                         | Mid     | 5300            |
| 48                        | High    | 5240            | 64                         | High    | 5320            |

| U-NII-2C (5470 - 5725 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 100                        | Low     | 5500            | 149                       | Low     | 5745            |
| 116                        | Mid     | 5580            | 157                       | Mid     | 5785            |
| 140                        | High    | 5700            | 165                       | High    | 5825            |

For 802.11n(HT40)/ac(VHT40)

| U-NII-1 (5150 - 5250 MHz) |         |                 | U-NII-2A (5250 - 5350 MHz) |         |                 |
|---------------------------|---------|-----------------|----------------------------|---------|-----------------|
| Channel Number            | Channel | Frequency (MHz) | Channel Number             | Channel | Frequency (MHz) |
| 38                        | Low     | 5190            | 54                         | Low     | 5270            |
| 46                        | High    | 5230            | 62                         | High    | 5310            |

| U-NII-2C (5470 - 5725 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 102                        | Low     | 5510            | 151                       | Low     | 5755            |
| 118                        | Mid     | 5590            | 159                       | High    | 5795            |
| 134                        | High    | 5670            |                           |         |                 |

For 802.11ac(VHT80)

| U-NII-1 (5150 - 5250 MHz) |         |                 | U-NII-2A (5250 - 5350 MHz) |         |                 |
|---------------------------|---------|-----------------|----------------------------|---------|-----------------|
| Channel Number            | Channel | Frequency (MHz) | Channel Number             | Channel | Frequency (MHz) |
| 42                        | Mid     | 5210            | 58                         | Mid     | 5290            |

| U-NII-2C (5470 - 5725 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 106                        | Low     | 5530            | 155                       | Mid     | 5775            |
| 122                        | High    | 5610            |                           |         |                 |



Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

| Test Items                                  | Mode         | Data Rate | Modulation Type | U-NII-1  | U-NII-2A | U-NII-2C    | U-NII-3     |
|---------------------------------------------|--------------|-----------|-----------------|----------|----------|-------------|-------------|
|                                             |              |           |                 | Channel  | Channel  | Channel     | Channel     |
| RF Output Power                             | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 122/106     | 155         |
| Emission Bandwidth & 99% Occupied Bandwidth | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 122/106     | 155         |
| 6 dB bandwidth                              | 11a          | 6         | BPSK            | N/A      | N/A      | N/A         | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | N/A      | N/A      | N/A         | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | N/A      | N/A      | N/A         | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | N/A      | N/A      | N/A         | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | N/A      | N/A      | N/A         | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | N/A      | N/A      | N/A         | 155         |
| Power Spectral Density                      | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 122/106     | 155         |
| Radiated Spurious Emissions                 | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 134/118/102 | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 122/106     | 155         |
| Band Edge (Restricted-band)                 | 11a          | 6         | BPSK            | 48/36    | 64/52    | 140/100     | 165/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/36    | 64/52    | 140/100     | 165/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 134/102     | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/36    | 64/52    | 140/100     | 165/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 134/102     | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 122/106     | 155         |

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

| No. | Identity                            | Document Title                                                                                                         |
|-----|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 15 Subpart E            | Unlicensed National Information Infrastructure Devices                                                                 |
| 2   | KDB Publication<br>789033 D02v02r01 | Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E |
| 3   | ANSI C63.10-2013                    | American National Standard for Testing Unlicensed Wireless Devices                                                     |

#### 3.2 Test Verdict

| No. | Description                                                    | FCC Part No. | RSS Part No. | Test Result | Verdict               |
|-----|----------------------------------------------------------------|--------------|--------------|-------------|-----------------------|
| 1   | Antenna Requirement                                            | 15.203       | RSS-247, 6.2 | --          | Pass <sup>Note1</sup> |
| 2   | RF Output Power                                                | 15.407(a)    | RSS-247, 6.2 | ANNEX A.1   | Pass                  |
| 3   | Emission Bandwidth<br>& 99% Occupied Bandwidth                 | 15.407(a)    | RSS-247, 6.2 | ANNEX A.2   | Pass                  |
| 4   | 6 dB bandwidth                                                 | 15.407(e)    | RSS-247, 6.2 | ANNEX A.3   | Pass                  |
| 5   | Power Spectral Density                                         | 15.407(a)    | RSS-247, 6.2 | ANNEX A.4   | Pass                  |
| 6   | Conducted Emission                                             | 15.207       | RSS-GEN, 8.8 | ANNEX A.5   | Pass                  |
| 7   | Radiated Spurious Emissions and<br>Band Edge (Restricted-band) | 15.407(b)    | RSS-247, 6.2 | ANNEX A.6   | Pass                  |

Note <sup>1</sup>: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note <sup>2</sup>: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

|                            |                         |                  |
|----------------------------|-------------------------|------------------|
| Relative Humidity          | 43% to 61%              |                  |
| Atmospheric Pressure       | 100 kPa to 102 kPa      |                  |
| Temperature                | NT (Normal Temperature) | +22.1℃ to +26.3℃ |
|                            | LT (Low Temperature)    | 0.0℃             |
|                            | HT (High Temperature)   | +35.0℃           |
| Working Voltage of the EUT | NV (Normal Voltage)     | 3.80 V           |
|                            | LV (Low Voltage)        | 3.00 V           |
|                            | HV (High Voltage)       | 4.35 V           |

### 4.2 Test Equipment List

| Description         | Manufacturer               | Model             | Serial No.  | Cal. Date  | Cal. Due   |
|---------------------|----------------------------|-------------------|-------------|------------|------------|
| Spectrum Analyzer   | KEYSIGHT                   | N9020A            | MY50330200  | 2024.05.08 | 2025.05.07 |
| Power Sensor        | KEYSIGHT                   | U2063XA           | MY58000251  | 2023.07.12 | 2024.07.11 |
| Spectrum Analyzer   | ROHDE&SCHWARZ              | FSV-40            | 101544      | 2023.12.27 | 2024.12.26 |
| Spectrum Analyzer   | KEYSIGHT                   | N9020A            | MY52510065  | 2023.09.05 | 2024.09.04 |
| Test Antenna-Horn   | SCHWARZBECK                | BBHA 9120D        | 01631       | 2022.02.23 | 2025.02.22 |
| Test Antenna-Horn   | A-INFO                     | LB-180400KF       | J211060273  | 2021.07.02 | 2024.07.01 |
| Anechoic Chamber    | RAINFORD                   | 9m*6m*6m          | 144         | 2022.02.19 | 2024.09.03 |
| Amplifier           | COM-MV                     | LSCX_LNA1-12G-01  | 180602      | 2023.09.05 | 2024.09.04 |
| Amplifier           | COM-MV                     | XKu_LNA7-18G-01   | 180601      | 2023.09.05 | 2024.09.04 |
| Amplifier           | COM-MV                     | KA LNA18 40G-01   | 18050001    | 2023.12.06 | 2024.12.05 |
| EMI Receiver        | ROHDE&SCHWARZ              | ESRP              | 101036      | 2023.09.05 | 2024.09.04 |
| Test Antenna-Loop   | SCHWARZBECK                | FMZB 1519         | 1519-037    | 2024.01.23 | 2025.01.22 |
| Amplifier           | COM-MV                     | ZT30-1000M        | B2018054558 | 2023.12.05 | 2024.12.04 |
| Anechoic Chamber    | EMC Electronic Co., Ltd    | 20.10*11.60*7.35m | 130         | 2021.08.15 | 2024.08.14 |
| EMI Receiver        | KEYSIGHT                   | N9038A            | MY53220118  | 2023.09.05 | 2024.09.04 |
| Test Antenna-Bi-Log | SCHWARZBECK                | VULB 9163         | 9163-624    | 2021.08.20 | 2024.08.19 |
| Amplifier           | COM-MV                     | ZT30-1000M        | B2017119082 | 2023.12.05 | 2024.12.04 |
| Anechoic Chamber    | RAINFORD                   | 9m*6m*6m          | 101         | 2023.03.04 | 2026.03.03 |
| EMI Receiver        | KEYSIGHT                   | N9010B            | MY57110309  | 2023.09.05 | 2024.09.04 |
| LISN                | SCHWARZBECK                | NSLK 8127         | 8127-687    | 2024.05.08 | 2025.05.07 |
| Shielded Enclosure  | YiHeng Electronic Co., Ltd | 3.5m*3.1m*2.8 m   | 112         | 2022.02.19 | 2025.02.18 |

### 4.3 Test Software List

| Description | Manufacturer | Software Version | Serial No. | Applicable test Setup               |
|-------------|--------------|------------------|------------|-------------------------------------|
| BL410R      | BALUN        | V2.1.1.488       | N/A        | The section 4.5.1                   |
| BL410E      | BALUN        | V22.930          | N/A        | The section 4.5.2&4.5.3&4.5.4&4.5.5 |

### 4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Parameters                        | Uncertainty |
|-----------------------------------|-------------|
| Occupied Channel Bandwidth        | 2.8%        |
| RF output power, conducted        | 1.28 dB     |
| Power Spectral Density, conducted | 1.30 dB     |
| Unwanted Emissions, conducted     | 1.84 dB     |
| All emissions, radiated           | 5.36 dB     |
| Temperature                       | 0.8℃        |
| Humidity                          | 4%          |

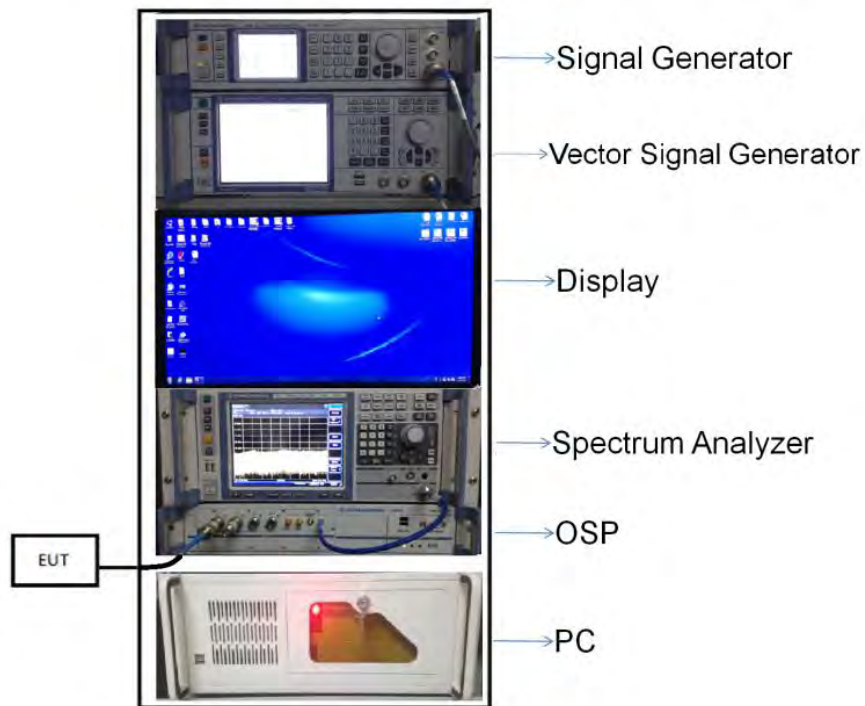
## 4.5 Description of Test Setup

### 4.5.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

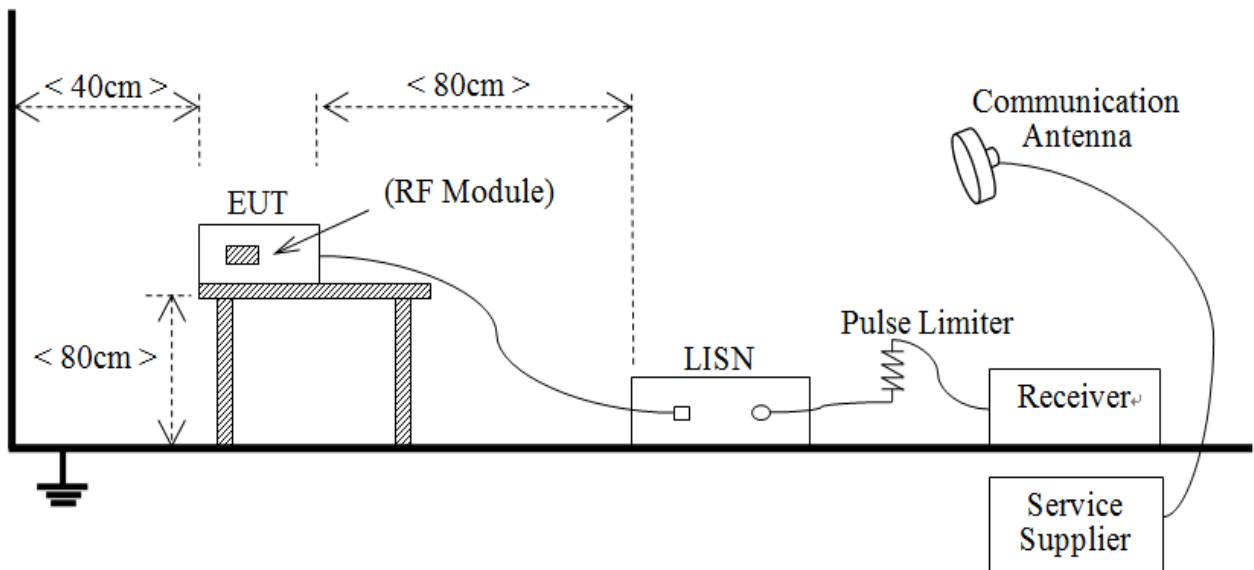
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



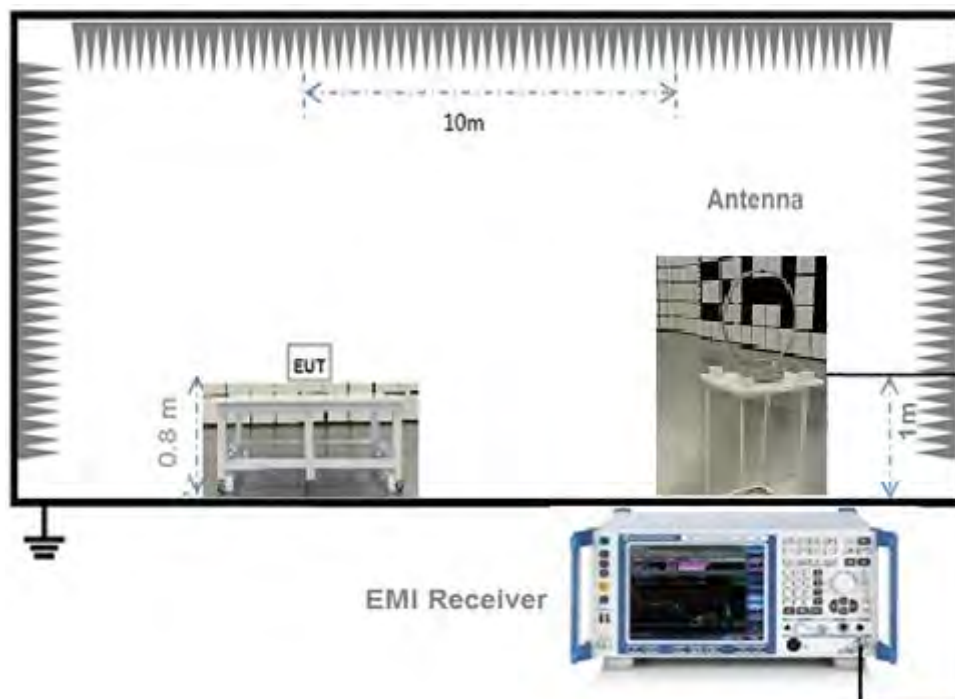
(Diagram 1)

#### 4.5.2 For AC Power Supply Port Test



(Diagram 2)

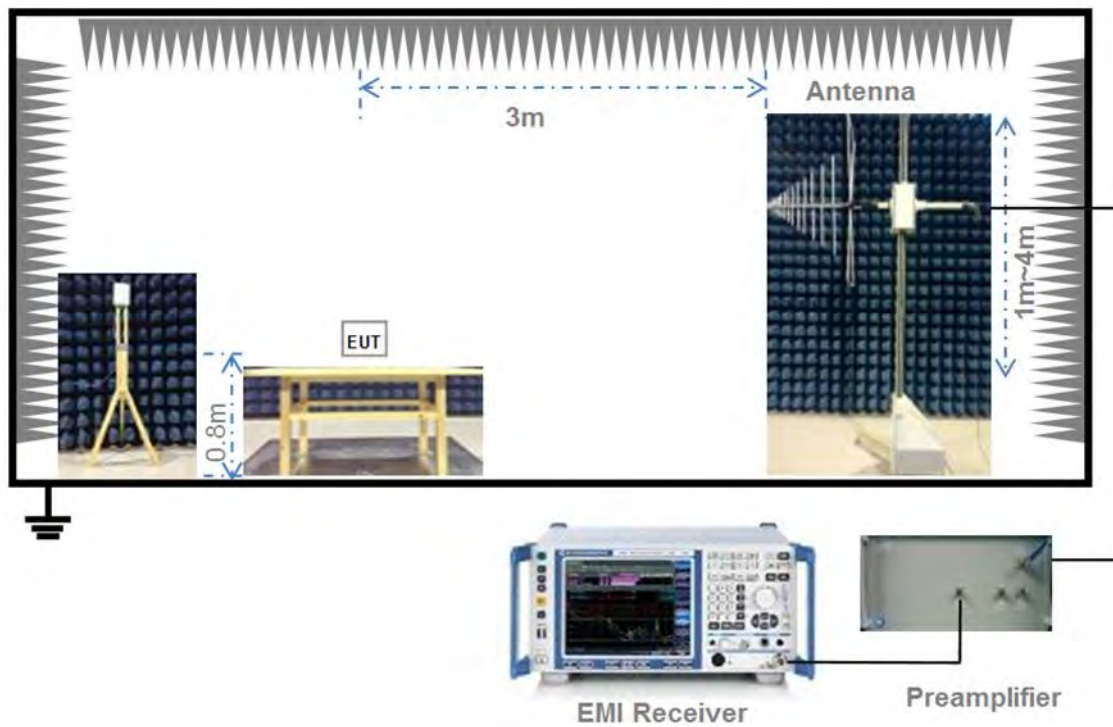
#### 4.5.3 For Radiated Test (Below 30 MHz)



(Diagram 3)

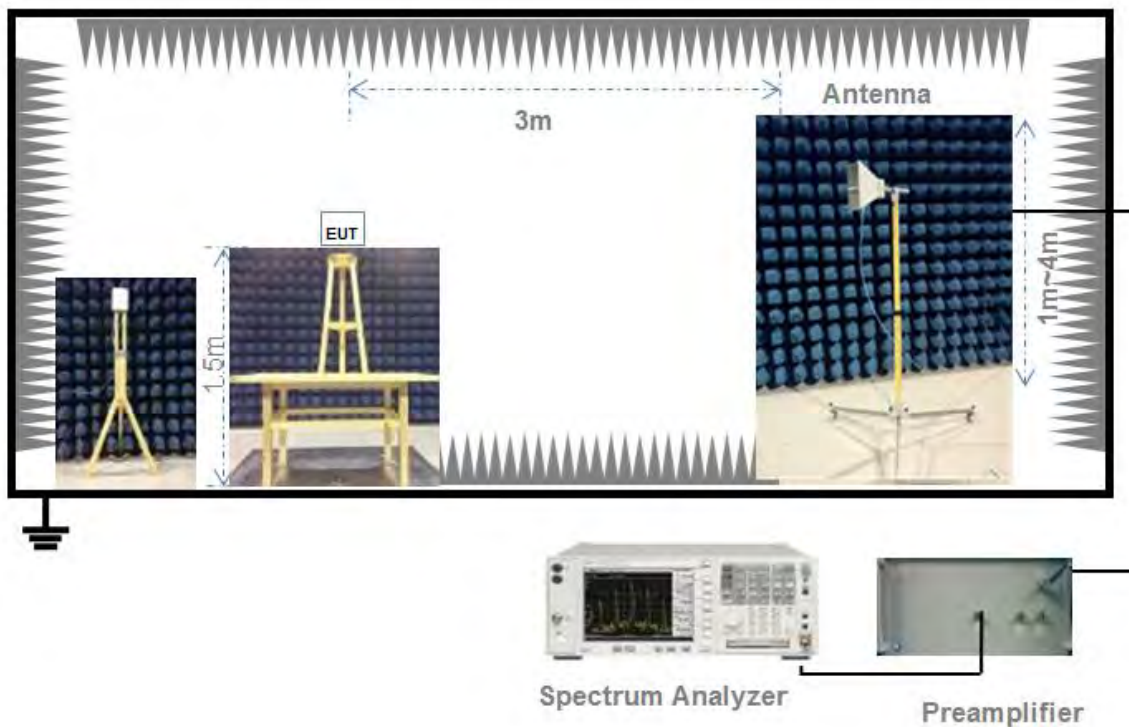


## 4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

## 4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

## 5 TEST ITEMS

### 5.1 RF Output Power

#### 5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

| Frequency Band (MHz)                                     | Limit                                          |
|----------------------------------------------------------|------------------------------------------------|
| 5150-5250                                                | 250 mW                                         |
| 5250-5350                                                | 250 mW or 11 dBm + 10log B, whichever is less. |
| 5470-5725                                                | 250 mW or 11 dBm + 10log B, whichever is less. |
| 5725-5850                                                | 1 W                                            |
| Note: Where "B" is the 26 dB emissions bandwidth in MHz. |                                                |

#### 5.1.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

#### 5.1.3 Test Procedure

##### Maximum conducted (average) output power

a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- 1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle.

##### Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW  $\geq$  OBW if possible; otherwise, set RBW to the largest available value.



Set VBW  $\geq$  RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$  and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if  $T \leq 16.7$  microseconds.)

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Emission Bandwidth and 6 dB Bandwidth

### 5.2.1 Limit

FCC §15.407(a)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### 5.2.2 Test Setup

The test setup photo please refer to 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.2.3 Test Procedure

#### Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW  $\geq 3 \times$  RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

#### Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW  $\geq 3 \times$  RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

#### 6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

## 5.3 Power Spectral density (PSD)

### 5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

| Frequency Band (MHz) | Limit         |
|----------------------|---------------|
| 5150-5250            | 11 dBm/MHz    |
| 5250-5350            | 11 dBm/MHz    |
| 5470-5725            | 11 dBm/MHz    |
| 5725-5850            | 30 dBm/500kHz |

### 5.3.2 Test Setup

The section 4.5.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz, VBW  $\geq 3 \times$  RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

### 5.3.4 Test Result

Please refer to ANNEX A.4.

## 5.4 Conducted Emission

### 5.4.1 Limit

#### FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 $\Omega$  line impedance stabilization network (LISN).

| Frequency range<br>(MHz) | Conducted Limit (dB $\mu$ V) |          |
|--------------------------|------------------------------|----------|
|                          | Quai-peak                    | Average  |
| 0.15 - 0.50              | 66 to 56                     | 56 to 46 |
| 0.50 - 5                 | 56                           | 46       |
| 0.50 - 30                | 60                           | 50       |

### 5.4.2 Test Setup

The section 4.5.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

### 5.4.4 Test Result

Please refer to ANNEX A.5.

## 5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

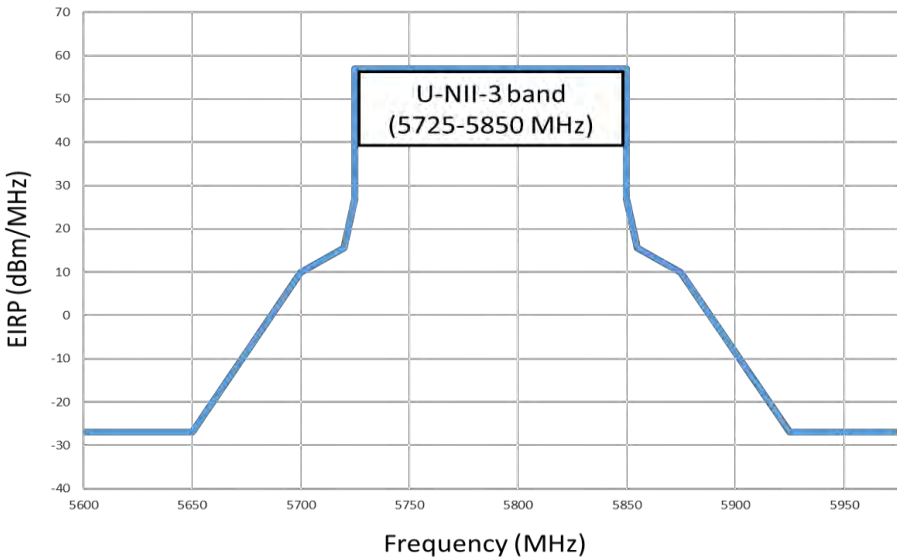
### 5.5.1 Limit

FCC §15.209 & 15.407(b)

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) | Measurement Distance (m) |
|-----------------|------------------------------------|--------------------------|
| 0.009 - 0.490   | 2400/F(kHz)                        | 300                      |
| 0.490 - 1.705   | 24000/F(kHz)                       | 30                       |
| 1.705 - 30.0    | 30                                 | 30                       |
| 30 - 88         | 100                                | 3                        |
| 88 - 216        | 150                                | 3                        |
| 216 - 960       | 200                                | 3                        |
| Above 960       | 500                                | 3                        |

Note <sup>1</sup>: The Limit for radiated test was performed according to FCC Part 15C

Note <sup>2</sup>: The tighter limit applies at the band edge.

| Un-restricted band emissions |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Out Operating Band (MHz)     | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5150 - 5250                  | e.i.r.p. -27 dBm (68.2 dBuV/m@3m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5250 - 5350                  | e.i.r.p. -27 dBm (68.2 dBuV/m@3m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5470 - 5725                  | e.i.r.p. -27 dBm (68.2 dBuV/m@3m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5725 - 5850                  | <p>All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p>  |

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

### 5.5.2 Test Setup

The section 4.5.3-4.5.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

#### General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies  $\leq 30$  MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies  $> 1000$  MHz).
- c) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- d) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- e) Compare the resultant electric field strength level to the applicable limit.
- f) Perform radiated spurious emission test.

#### Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable

emission limits using a peak detector.

#### Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW  $\geq 3 \times$  RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

#### Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle  $\geq 98$  percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than  $\pm 2$  percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle,  $x$ , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW  $\geq 3 \times$  RBW.
- e) Detector = RMS, if  $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is  $10 \log(1/x)$ , where  $x$  is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is  $20 \log(1/x)$ , where  $x$  is the duty cycle.

3) If a specific emission is demonstrated to be continuous ( $\geq 98$  percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

#### Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

#### Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.



The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 5.5.4 Test Result

Please refer to ANNEX A.6.

## ANNEX A TEST RESULT

### A.1 RF Output Power

Note: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Duty Cycle

| Test Mode               | On Time (ms) | On+Off time (ms) | Duty Cycle | Duty Factor |
|-------------------------|--------------|------------------|------------|-------------|
| 11a                     | 1.39         | 1.43             | 97.55%     | 0.11        |
| 11n (HT20)/11ac (VHT20) | 1.30         | 1.34             | 96.94%     | 0.14        |
| 11n (HT40)/11ac (VHT40) | 0.65         | 0.68             | 94.39%     | 0.25        |
| 11ac (VHT80)            | 0.32         | 0.36             | 89.96%     | 0.46        |

#### Test Data

#### Conducted Power

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 13.03                 | 20.09                | 250            | Pass    |
| 11a                       | CH44    | 13.47                 | 22.23                | 250            | Pass    |
| 11a                       | CH48    | 13.82                 | 24.10                | 250            | Pass    |
| 11n (HT20)                | CH36    | 13.87                 | 24.38                | 250            | Pass    |
| 11n (HT20)                | CH44    | 13.63                 | 23.07                | 250            | Pass    |
| 11n (HT20)                | CH48    | 13.66                 | 23.23                | 250            | Pass    |
| 11n (HT40)                | CH38    | 13.79                 | 23.93                | 250            | Pass    |
| 11n (HT40)                | CH46    | 13.64                 | 23.12                | 250            | Pass    |
| 11ac (VHT20)              | CH36    | 13.79                 | 23.93                | 250            | Pass    |
| 11ac (VHT20)              | CH44    | 13.58                 | 22.80                | 250            | Pass    |
| 11ac (VHT20)              | CH48    | 13.61                 | 22.96                | 250            | Pass    |
| 11ac (VHT40)              | CH38    | 13.78                 | 23.88                | 250            | Pass    |
| 11ac (VHT40)              | CH46    | 13.59                 | 22.86                | 250            | Pass    |
| 11ac (VHT80)              | CH42    | 13.30                 | 21.38                | 250            | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH52    | 13.87                 | 24.38                | 250            | Pass    |
| 11a                        | CH60    | 13.53                 | 22.54                | 250            | Pass    |
| 11a                        | CH64    | 13.44                 | 22.08                | 250            | Pass    |
| 11n (HT20)                 | CH52    | 13.72                 | 23.55                | 250            | Pass    |
| 11n (HT20)                 | CH60    | 13.88                 | 24.43                | 250            | Pass    |
| 11n (HT20)                 | CH64    | 13.83                 | 24.15                | 250            | Pass    |
| 11n (HT40)                 | CH54    | 13.74                 | 23.66                | 250            | Pass    |
| 11n (HT40)                 | CH62    | 13.77                 | 23.82                | 250            | Pass    |
| 11ac (VHT20)               | CH52    | 13.62                 | 23.01                | 250            | Pass    |
| 11ac (VHT20)               | CH60    | 13.74                 | 23.66                | 250            | Pass    |
| 11ac (VHT20)               | CH64    | 13.25                 | 21.13                | 250            | Pass    |
| 11ac (VHT40)               | CH54    | 13.74                 | 23.66                | 250            | Pass    |
| 11ac (VHT40)               | CH62    | 13.53                 | 22.54                | 250            | Pass    |
| 11ac (VHT80)               | CH58    | 13.10                 | 20.42                | 250            | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH100   | 13.96                 | 24.89                | 250            | Pass    |
| 11a                        | CH116   | 13.79                 | 23.93                | 250            | Pass    |
| 11a                        | CH140   | 13.56                 | 22.70                | 250            | Pass    |
| 11n (HT20)                 | CH100   | 13.98                 | 25.00                | 250            | Pass    |
| 11n (HT20)                 | CH116   | 13.69                 | 23.39                | 250            | Pass    |
| 11n (HT20)                 | CH140   | 12.64                 | 18.37                | 250            | Pass    |
| 11n (HT40)                 | CH102   | 11.75                 | 14.96                | 250            | Pass    |
| 11n (HT40)                 | CH118   | 13.70                 | 23.44                | 250            | Pass    |
| 11n (HT40)                 | CH134   | 13.81                 | 24.04                | 250            | Pass    |
| 11ac (VHT20)               | CH100   | 13.94                 | 24.77                | 250            | Pass    |
| 11ac (VHT20)               | CH116   | 13.68                 | 23.33                | 250            | Pass    |
| 11ac (VHT20)               | CH140   | 13.19                 | 20.84                | 250            | Pass    |
| 11ac (VHT40)               | CH102   | 13.31                 | 21.43                | 250            | Pass    |
| 11ac (VHT40)               | CH118   | 13.73                 | 23.60                | 250            | Pass    |
| 11ac (VHT40)               | CH134   | 13.83                 | 24.15                | 250            | Pass    |
| 11ac (VHT80)               | CH106   | 12.79                 | 19.01                | 250            | Pass    |
| 11ac (VHT80)               | CH122   | 13.43                 | 22.03                | 250            | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 13.83                 | 24.15                | 1000           | Pass    |
| 11a                       | CH157   | 13.86                 | 24.32                | 1000           | Pass    |
| 11a                       | CH165   | 13.53                 | 22.54                | 1000           | Pass    |
| 11n (HT20)                | CH149   | 13.69                 | 23.39                | 1000           | Pass    |
| 11n (HT20)                | CH157   | 13.71                 | 23.50                | 1000           | Pass    |
| 11n (HT20)                | CH165   | 13.94                 | 24.77                | 1000           | Pass    |
| 11n (HT40)                | CH151   | 13.69                 | 23.39                | 1000           | Pass    |
| 11n (HT40)                | CH159   | 13.80                 | 23.99                | 1000           | Pass    |
| 11ac (VHT20)              | CH149   | 13.68                 | 23.33                | 1000           | Pass    |
| 11ac (VHT20)              | CH157   | 13.68                 | 23.33                | 1000           | Pass    |
| 11ac (VHT20)              | CH165   | 13.92                 | 24.66                | 1000           | Pass    |
| 11ac (VHT40)              | CH151   | 13.66                 | 23.23                | 1000           | Pass    |
| 11ac (VHT40)              | CH159   | 13.78                 | 23.88                | 1000           | Pass    |
| 11ac (VHT80)              | CH155   | 13.89                 | 24.49                | 1000           | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2451186-604 Data Part 1.pdf".

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 20.03                 | 16.50               |
| 11a                       | CH44    | 20.03                 | 16.52               |
| 11a                       | CH48    | 20.07                 | 16.52               |
| 11n (HT20)                | CH36    | 20.37                 | 17.60               |
| 11n (HT20)                | CH44    | 20.45                 | 17.62               |
| 11n (HT20)                | CH48    | 20.36                 | 17.62               |
| 11n (HT40)                | CH38    | 40.66                 | 36.09               |
| 11n (HT40)                | CH46    | 40.93                 | 36.08               |
| 11ac (VHT20)              | CH36    | 20.32                 | 17.60               |
| 11ac (VHT20)              | CH44    | 20.31                 | 17.58               |
| 11ac (VHT20)              | CH48    | 20.48                 | 17.61               |
| 11ac (VHT40)              | CH38    | 40.61                 | 36.03               |
| 11ac (VHT40)              | CH46    | 40.77                 | 36.06               |
| 11ac (VHT80)              | CH42    | 81.21                 | 75.38               |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH52    | 20.12                 | 16.50               |
| 11a                        | CH60    | 20.02                 | 16.50               |
| 11a                        | CH64    | 20.08                 | 16.52               |
| 11n (HT20)                 | CH52    | 20.35                 | 17.64               |
| 11n (HT20)                 | CH60    | 20.43                 | 17.62               |
| 11n (HT20)                 | CH64    | 20.34                 | 17.64               |
| 11n (HT40)                 | CH54    | 40.67                 | 36.08               |
| 11n (HT40)                 | CH62    | 40.70                 | 36.11               |
| 11ac (VHT20)               | CH52    | 20.41                 | 17.57               |
| 11ac (VHT20)               | CH60    | 20.38                 | 17.57               |
| 11ac (VHT20)               | CH64    | 20.35                 | 17.58               |
| 11ac (VHT40)               | CH54    | 40.68                 | 36.04               |
| 11ac (VHT40)               | CH62    | 40.52                 | 36.04               |
| 11ac (VHT80)               | CH58    | 81.26                 | 75.35               |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH100   | 20.08                 | 16.52               |
| 11a                        | CH116   | 20.04                 | 16.54               |
| 11a                        | CH140   | 20.07                 | 16.53               |
| 11n (HT20)                 | CH100   | 20.35                 | 17.64               |
| 11n (HT20)                 | CH116   | 20.33                 | 17.63               |
| 11n (HT20)                 | CH140   | 20.41                 | 17.62               |
| 11n (HT40)                 | CH102   | 40.66                 | 36.05               |
| 11n (HT40)                 | CH118   | 40.77                 | 36.18               |
| 11n (HT40)                 | CH134   | 40.69                 | 36.15               |
| 11ac (VHT20)               | CH100   | 20.37                 | 17.60               |
| 11ac (VHT20)               | CH116   | 20.31                 | 17.59               |
| 11ac (VHT20)               | CH140   | 20.35                 | 17.60               |
| 11ac (VHT40)               | CH102   | 40.59                 | 36.06               |
| 11ac (VHT40)               | CH118   | 40.53                 | 36.03               |
| 11ac (VHT40)               | CH134   | 40.79                 | 36.05               |
| 11ac (VHT80)               | CH106   | 80.97                 | 75.40               |
| 11ac (VHT80)               | CH122   | 81.44                 | 75.48               |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 20.20                 | 16.53               |
| 11a                       | CH157   | 20.15                 | 16.54               |
| 11a                       | CH165   | 20.10                 | 16.53               |
| 11n (HT20)                | CH149   | 20.39                 | 17.66               |
| 11n (HT20)                | CH157   | 20.49                 | 17.66               |
| 11n (HT20)                | CH165   | 20.34                 | 17.65               |
| 11n (HT40)                | CH151   | 40.79                 | 36.20               |
| 11n (HT40)                | CH159   | 42.54                 | 36.19               |
| 11ac (VHT20)              | CH149   | 20.44                 | 17.60               |
| 11ac (VHT20)              | CH157   | 20.42                 | 17.61               |
| 11ac (VHT20)              | CH165   | 20.39                 | 17.61               |
| 11ac (VHT40)              | CH151   | 41.95                 | 36.09               |
| 11ac (VHT40)              | CH159   | 41.00                 | 36.12               |
| 11ac (VHT80)              | CH155   | 94.16                 | 75.45               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2451186-604 Data Part 2.pdf”.

#### Test Data

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 15.30                | 500.00      | Pass    |
| 11a                       | CH157   | 15.40                | 500.00      | Pass    |
| 11a                       | CH165   | 15.20                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 15.40                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.40                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.40                | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.30                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 35.20                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.40                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.40                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.20                | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.30                | 500.00      | Pass    |
| 11ac (VHT40)              | CH159   | 35.30                | 500.00      | Pass    |
| 11ac (VHT80)              | CH155   | 75.30                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2451186-604 Data Part 3.pdf".

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | 2.51          | 11.00           | Pass    |
| 11a                       | CH44    | 3.69          | 11.00           | Pass    |
| 11a                       | CH48    | 3.73          | 11.00           | Pass    |
| 11n (HT20)                | CH36    | 3.33          | 11.00           | Pass    |
| 11n (HT20)                | CH44    | 3.30          | 11.00           | Pass    |
| 11n (HT20)                | CH48    | 3.49          | 11.00           | Pass    |
| 11n (HT40)                | CH38    | 0.44          | 11.00           | Pass    |
| 11n (HT40)                | CH46    | 0.45          | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | 3.30          | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | 3.38          | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | 3.44          | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | 0.42          | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | 0.52          | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -3.05         | 11.00           | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH52    | 3.88          | 11.00           | Pass    |
| 11a                        | CH60    | 3.35          | 11.00           | Pass    |
| 11a                        | CH64    | 3.52          | 11.00           | Pass    |
| 11n (HT20)                 | CH52    | 3.54          | 11.00           | Pass    |
| 11n (HT20)                 | CH60    | 3.79          | 11.00           | Pass    |
| 11n (HT20)                 | CH64    | 3.75          | 11.00           | Pass    |
| 11n (HT40)                 | CH54    | 0.21          | 11.00           | Pass    |
| 11n (HT40)                 | CH62    | 0.30          | 11.00           | Pass    |
| 11ac (VHT20)               | CH52    | 3.10          | 11.00           | Pass    |
| 11ac (VHT20)               | CH60    | 3.29          | 11.00           | Pass    |
| 11ac (VHT20)               | CH64    | 3.15          | 11.00           | Pass    |
| 11ac (VHT40)               | CH54    | 0.08          | 11.00           | Pass    |
| 11ac (VHT40)               | CH62    | 0.32          | 11.00           | Pass    |
| 11ac (VHT80)               | CH58    | -3.73         | 11.00           | Pass    |



| U-NII-2C (5470 - 5725 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH100   | 4.15          | 11.00           | Pass    |
| 11a                        | CH116   | 3.89          | 11.00           | Pass    |
| 11a                        | CH140   | 2.68          | 11.00           | Pass    |
| 11n (HT20)                 | CH100   | 3.76          | 11.00           | Pass    |
| 11n (HT20)                 | CH116   | 3.52          | 11.00           | Pass    |
| 11n (HT20)                 | CH140   | 1.97          | 11.00           | Pass    |
| 11n (HT40)                 | CH102   | -1.69         | 11.00           | Pass    |
| 11n (HT40)                 | CH118   | 0.54          | 11.00           | Pass    |
| 11n (HT40)                 | CH134   | 0.22          | 11.00           | Pass    |
| 11ac (VHT20)               | CH100   | 3.77          | 11.00           | Pass    |
| 11ac (VHT20)               | CH116   | 3.49          | 11.00           | Pass    |
| 11ac (VHT20)               | CH140   | 2.48          | 11.00           | Pass    |
| 11ac (VHT40)               | CH102   | -0.25         | 11.00           | Pass    |
| 11ac (VHT40)               | CH118   | 0.65          | 11.00           | Pass    |
| 11ac (VHT40)               | CH134   | 0.24          | 11.00           | Pass    |
| 11ac (VHT80)               | CH106   | -4.29         | 11.00           | Pass    |
| 11ac (VHT80)               | CH122   | -3.11         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | 0.47             | 30.00              | Pass    |
| 11a                       | CH157   | 0.41             | 30.00              | Pass    |
| 11a                       | CH165   | -0.04            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | 0.26             | 30.00              | Pass    |
| 11n (HT20)                | CH157   | 0.05             | 30.00              | Pass    |
| 11n (HT20)                | CH165   | 0.22             | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -2.81            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -3.00            | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | 0.29             | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -0.02            | 30.00              | Pass    |
| 11ac (VHT20)              | CH165   | 0.16             | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -2.80            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -2.85            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -5.64            | 30.00              | Pass    |

## A.5 Conducted Emissions

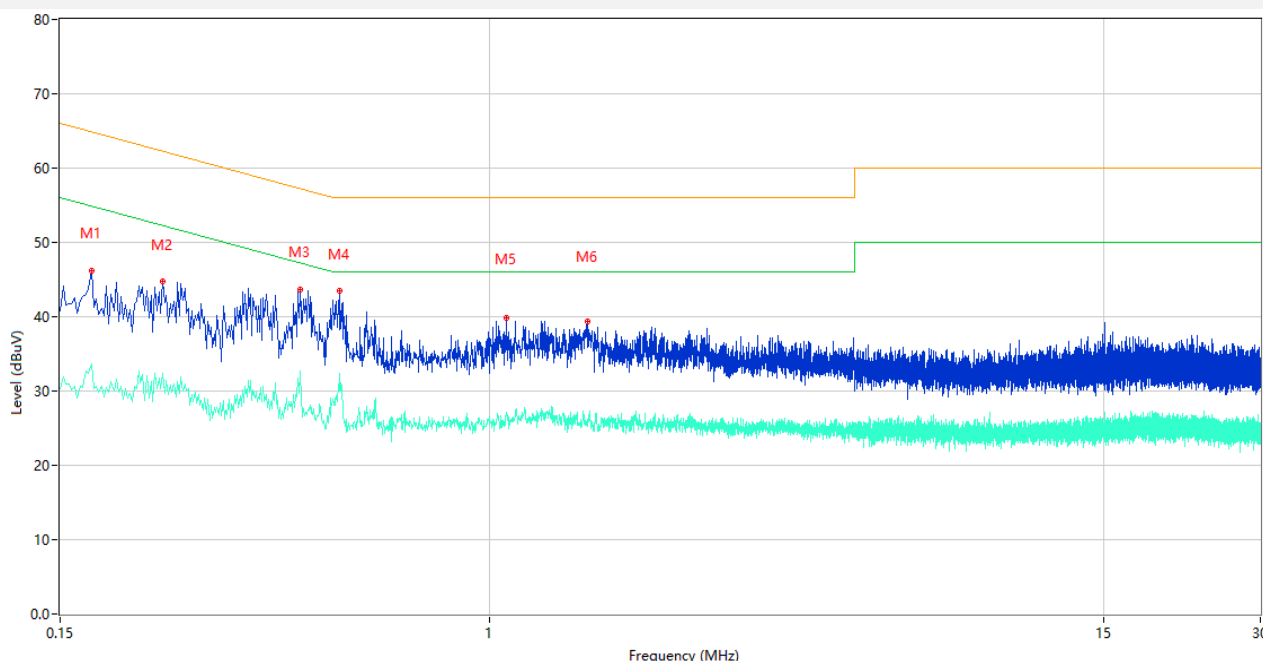
Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note<sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note<sup>3</sup>: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

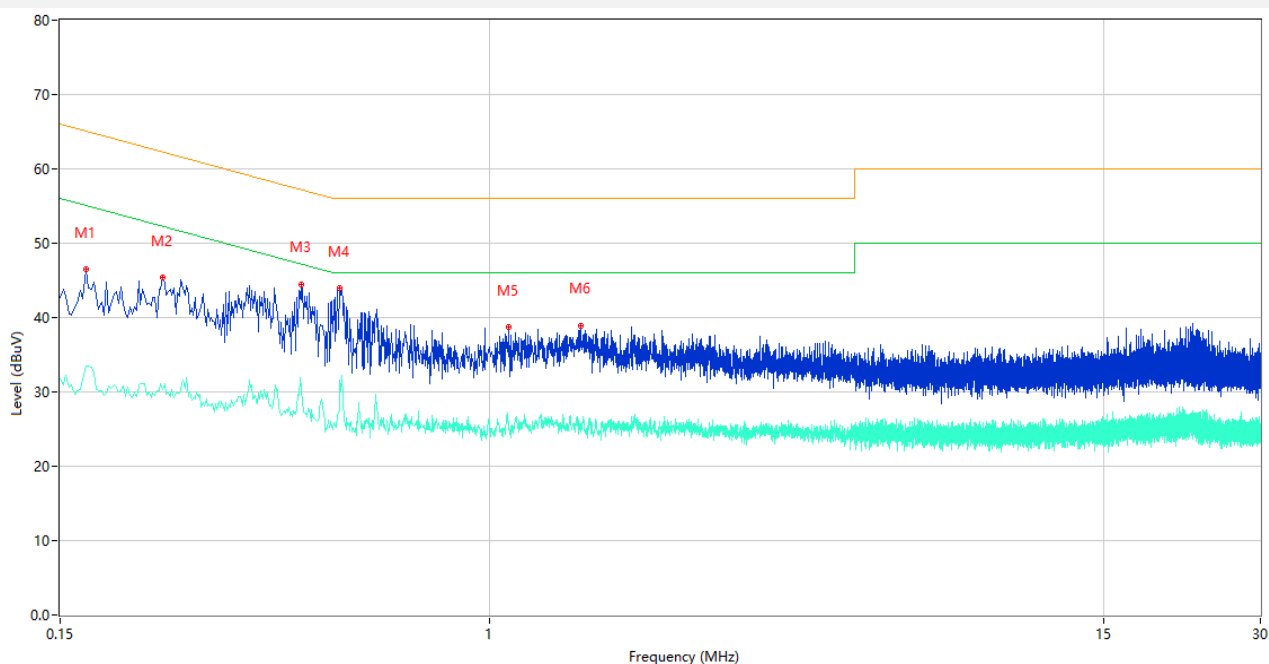
### Test Data and Plots

#### PHASE L



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.172           | 46.25          | 9.78        | 64.86        | 18.61       | Peak     | L    | Pass    |
| 1** | 0.172           | 33.58          | 9.78        | 54.86        | 21.28       | AV       | L    | Pass    |
| 2   | 0.236           | 44.69          | 9.77        | 62.24        | 17.55       | Peak     | L    | Pass    |
| 2** | 0.236           | 32.33          | 9.77        | 52.24        | 19.91       | AV       | L    | Pass    |
| 3   | 0.432           | 43.72          | 10.22       | 57.21        | 13.49       | Peak     | L    | Pass    |
| 3** | 0.432           | 32.66          | 10.22       | 47.21        | 14.55       | AV       | L    | Pass    |
| 4   | 0.516           | 43.43          | 10.00       | 56.00        | 12.57       | Peak     | L    | Pass    |
| 4** | 0.516           | 32.46          | 10.00       | 46.00        | 13.54       | AV       | L    | Pass    |
| 5   | 1.074           | 39.88          | 10.08       | 56.00        | 16.12       | Peak     | L    | Pass    |
| 5** | 1.074           | 27.15          | 10.08       | 46.00        | 18.85       | AV       | L    | Pass    |
| 6   | 1.536           | 39.35          | 10.18       | 56.00        | 16.65       | Peak     | L    | Pass    |
| 6** | 1.536           | 26.27          | 10.18       | 46.00        | 19.73       | AV       | L    | Pass    |

## PHASE N



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.168           | 46.45          | 9.78        | 65.06        | 18.61       | Peak     | N    | Pass    |
| 1** | 0.168           | 33.47          | 9.78        | 55.06        | 21.59       | AV       | N    | Pass    |
| 2   | 0.236           | 45.35          | 9.77        | 62.24        | 16.89       | Peak     | N    | Pass    |
| 2** | 0.236           | 30.31          | 9.77        | 52.24        | 21.93       | AV       | N    | Pass    |
| 3   | 0.434           | 44.47          | 10.19       | 57.18        | 12.71       | Peak     | N    | Pass    |
| 3** | 0.434           | 30.44          | 10.19       | 47.18        | 16.74       | AV       | N    | Pass    |
| 4   | 0.514           | 43.95          | 9.99        | 56.00        | 12.05       | Peak     | N    | Pass    |
| 4** | 0.514           | 27.60          | 9.99        | 46.00        | 18.40       | AV       | N    | Pass    |
| 5   | 1.086           | 38.66          | 10.04       | 56.00        | 17.34       | Peak     | N    | Pass    |
| 5** | 1.086           | 24.86          | 10.04       | 46.00        | 21.14       | AV       | N    | Pass    |
| 6   | 1.492           | 38.95          | 10.24       | 56.00        | 17.05       | Peak     | N    | Pass    |
| 6** | 1.492           | 24.64          | 10.24       | 46.00        | 21.36       | AV       | N    | Pass    |

## A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Note <sup>1</sup>: The symbol of "--" in the table which means not application.

Note <sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

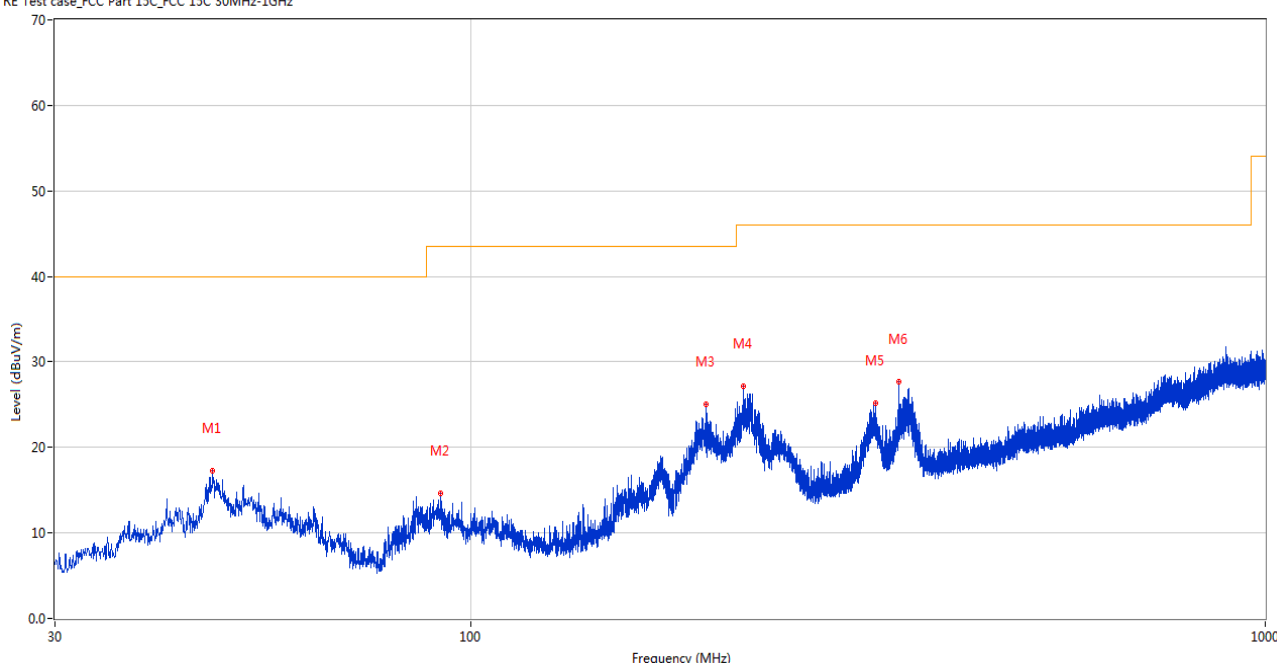
Note <sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note <sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

### Test Data and Plots

#### 30 MHz to 1 GHz, ANT H

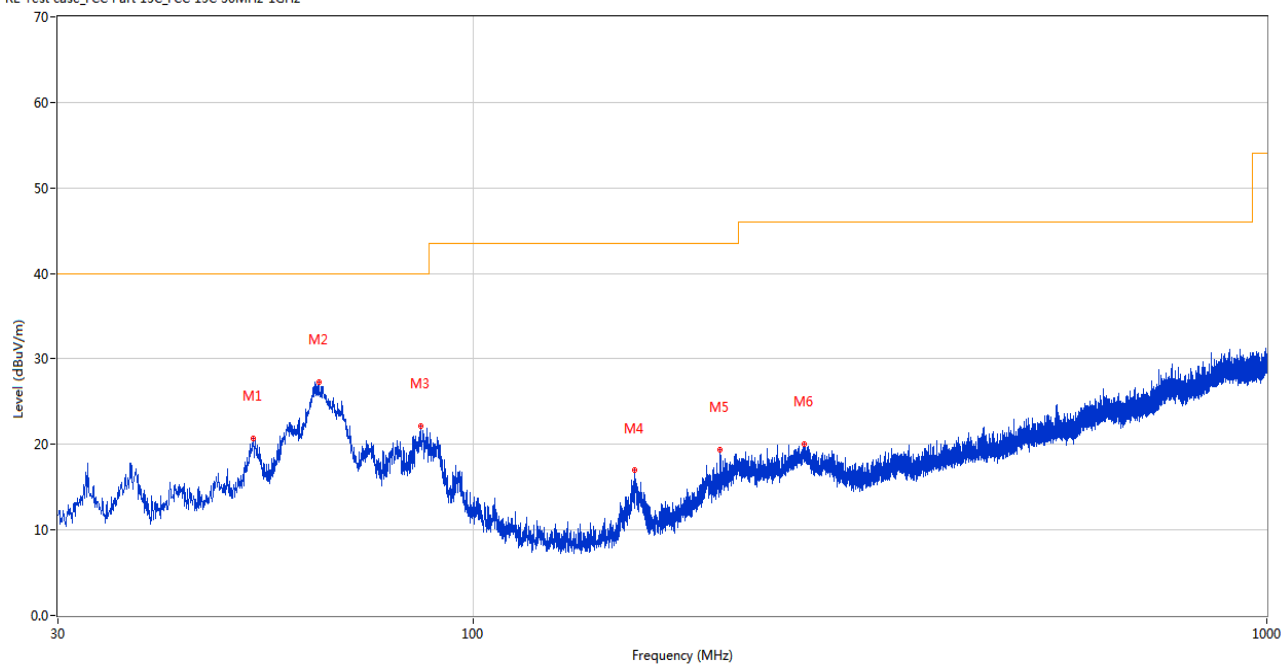
RE Test case\_FCC Part 15C\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 47.411          | 17.26            | -23.47      | 40.0           | 22.74       | Peak     | 50.00          | 200         | Horizontal | Pass    |
| 2   | 91.789          | 14.63            | -26.42      | 43.5           | 28.87       | Peak     | 46.70          | 200         | Horizontal | Pass    |
| 3   | 198.101         | 25.09            | -23.89      | 43.5           | 18.41       | Peak     | 91.20          | 100         | Horizontal | Pass    |
| 4   | 220.605         | 27.13            | -23.65      | 46.0           | 18.87       | Peak     | 102.60         | 100         | Horizontal | Pass    |
| 5   | 322.940         | 25.16            | -20.48      | 46.0           | 20.84       | Peak     | 97.40          | 100         | Horizontal | Pass    |
| 6   | 346.268         | 27.75            | -18.87      | 46.0           | 18.25       | Peak     | 105.40         | 100         | Horizontal | Pass    |

## 30 MHz to 1 GHz, ANT V

RE Test case\_FCC Part 15C\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 47.848          | 25.99            | -23.33      | 40.0           | 14.01       | Peak     | 143.70         | 100         | Vertical | Pass    |
| 2   | 52.116          | 26.50            | -23.26      | 40.0           | 13.50       | Peak     | 178.00         | 100         | Vertical | Pass    |
| 3   | 63.174          | 26.83            | -24.90      | 40.0           | 13.17       | Peak     | 112.90         | 100         | Vertical | Pass    |
| 4   | 223.176         | 23.38            | -23.54      | 46.0           | 22.62       | Peak     | 27.90          | 100         | Vertical | Pass    |
| 5   | 348.160         | 25.22            | -18.93      | 46.0           | 20.78       | Peak     | 271.60         | 200         | Vertical | Pass    |
| 6   | 871.911         | 31.12            | -8.17       | 46.0           | 14.88       | Peak     | 25.10          | 100         | Vertical | Pass    |

Note: The spurious above 18G is noise only, do not show on the report.

#### 11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1540.300        | 39.21            | -17.01      | 74.0           | 34.79       | Peak     | 87.00          | 100         | Horizontal | Pass    |
| 1** | 1540.300        | 29.77            | -17.01      | 54.0           | 24.23       | AV       | 87.00          | 100         | Horizontal | Pass    |
| 2   | 4389.200        | 49.99            | -3.36       | 74.0           | 24.01       | Peak     | 247.00         | 300         | Horizontal | Pass    |
| 2** | 4389.200        | 41.04            | -3.36       | 54.0           | 12.96       | AV       | 247.00         | 300         | Horizontal | Pass    |
| 3   | 5180.400        | 98.40            | -2.65       | --             | --          | Peak     | 40.00          | 150         | Horizontal | N/A     |
| 3** | 5180.400        | 89.05            | -2.65       | --             | --          | AV       | 40.00          | 150         | Horizontal | N/A     |
| 4   | 7321.425        | 49.58            | -3.18       | 74.0           | 24.42       | Peak     | 305.00         | 200         | Horizontal | Pass    |
| 4** | 7321.425        | 40.49            | -3.18       | 54.0           | 13.51       | AV       | 305.00         | 200         | Horizontal | Pass    |
| 5   | 12690.201       | 53.24            | 0.84        | 74.0           | 20.76       | Peak     | 144.00         | 150         | Horizontal | Pass    |
| 5** | 12690.201       | 43.11            | 0.84        | 54.0           | 10.89       | AV       | 144.00         | 150         | Horizontal | Pass    |
| 6   | 16074.037       | 56.28            | 1.50        | 74.0           | 17.72       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 6** | 16074.037       | 46.85            | 1.50        | 54.0           | 7.15        | AV       | 0.00           | 300         | Horizontal | Pass    |

#### 11a, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1540.800        | 39.76            | -16.95      | 74.0           | 34.24       | Peak     | 51.00          | 400         | Vertical | Pass    |
| 1** | 1540.800        | 30.39            | -16.95      | 54.0           | 23.61       | AV       | 51.00          | 400         | Vertical | Pass    |
| 2   | 4378.400        | 49.97            | -3.42       | 74.0           | 24.03       | Peak     | 94.00          | 300         | Vertical | Pass    |
| 2** | 4378.400        | 41.52            | -3.42       | 54.0           | 12.48       | AV       | 94.00          | 300         | Vertical | Pass    |
| 3   | 5181.400        | 94.65            | -2.65       | --             | --          | Peak     | 0.00           | 200         | Vertical | N/A     |
| 3** | 5181.400        | 87.78            | -2.65       | --             | --          | AV       | 0.00           | 200         | Vertical | N/A     |
| 4   | 7346.438        | 49.77            | -3.56       | 74.0           | 24.23       | Peak     | 146.00         | 400         | Vertical | Pass    |
| 4** | 7346.438        | 39.95            | -3.56       | 54.0           | 14.05       | AV       | 146.00         | 400         | Vertical | Pass    |
| 5   | 12275.338       | 53.09            | 1.63        | 74.0           | 20.91       | Peak     | 18.00          | 200         | Vertical | Pass    |
| 5** | 12275.338       | 43.89            | 1.63        | 54.0           | 10.11       | AV       | 18.00          | 200         | Vertical | Pass    |
| 6   | 15662.963       | 55.66            | 1.31        | 74.0           | 18.34       | Peak     | 345.00         | 300         | Vertical | Pass    |
| 6** | 15662.963       | 46.49            | 1.31        | 54.0           | 7.51        | AV       | 345.00         | 300         | Vertical | Pass    |

## 11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1509.600        | 40.40            | -17.19      | 74.0           | 33.60       | Peak     | 121.00         | 200         | Horizontal | Pass    |
| 1** | 1509.600        | 29.56            | -17.19      | 54.0           | 24.44       | AV       | 121.00         | 200         | Horizontal | Pass    |
| 2   | 4387.600        | 50.78            | -3.37       | 74.0           | 23.22       | Peak     | 3.00           | 200         | Horizontal | Pass    |
| 2** | 4387.600        | 41.16            | -3.37       | 54.0           | 12.84       | AV       | 3.00           | 200         | Horizontal | Pass    |
| 3   | 5221.000        | 100.97           | -2.71       | --             | --          | Peak     | 36.00          | 150         | Horizontal | N/A     |
| 3** | 5221.000        | 93.45            | -2.71       | --             | --          | AV       | 36.00          | 150         | Horizontal | N/A     |
| 4   | 7722.200        | 49.91            | -2.66       | 74.0           | 24.09       | Peak     | 173.00         | 400         | Horizontal | Pass    |
| 4** | 7722.200        | 40.23            | -2.66       | 54.0           | 13.77       | AV       | 173.00         | 400         | Horizontal | Pass    |
| 5   | 12283.963       | 52.68            | 1.78        | 74.0           | 21.32       | Peak     | 314.00         | 100         | Horizontal | Pass    |
| 5** | 12283.963       | 43.66            | 1.78        | 54.0           | 10.34       | AV       | 314.00         | 100         | Horizontal | Pass    |
| 6   | 15666.113       | 55.57            | 1.36        | 74.0           | 18.43       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 15666.113       | 47.35            | 1.36        | 54.0           | 6.65        | AV       | 360.00         | 300         | Horizontal | Pass    |

## 11a, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1537.100        | 39.67            | -16.95      | 74.0           | 34.33       | Peak     | 166.00         | 400         | Vertical | Pass    |
| 1** | 1537.100        | 29.70            | -16.95      | 54.0           | 24.30       | AV       | 166.00         | 400         | Vertical | Pass    |
| 2   | 4389.800        | 50.32            | -3.33       | 74.0           | 23.68       | Peak     | 21.00          | 200         | Vertical | Pass    |
| 2** | 4389.800        | 41.72            | -3.33       | 54.0           | 12.28       | AV       | 21.00          | 200         | Vertical | Pass    |
| 3   | 5221.800        | 97.59            | -2.69       | --             | --          | Peak     | 0.00           | 150         | Vertical | N/A     |
| 3** | 5221.800        | 90.24            | -2.69       | --             | --          | AV       | 0.00           | 150         | Vertical | N/A     |
| 4   | 7723.638        | 49.49            | -2.50       | 74.0           | 24.51       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 4** | 7723.638        | 40.07            | -2.50       | 54.0           | 13.93       | AV       | 360.00         | 100         | Vertical | Pass    |
| 5   | 12523.450       | 52.83            | 1.41        | 74.0           | 21.17       | Peak     | 252.00         | 200         | Vertical | Pass    |
| 5** | 12523.450       | 43.63            | 1.41        | 54.0           | 10.37       | AV       | 252.00         | 200         | Vertical | Pass    |
| 6   | 15663.750       | 56.50            | 1.32        | 74.0           | 17.50       | Peak     | 127.00         | 300         | Vertical | Pass    |
| 6** | 15663.750       | 46.41            | 1.32        | 54.0           | 7.59        | AV       | 127.00         | 300         | Vertical | Pass    |

## 11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1507.400        | 39.72            | -16.91      | 74.0           | 34.28       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1507.400        | 29.64            | -16.91      | 54.0           | 24.36       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 4381.200        | 50.07            | -3.52       | 74.0           | 23.93       | Peak     | 319.00         | 400         | Horizontal | Pass    |
| 2** | 4381.200        | 41.19            | -3.52       | 54.0           | 12.81       | AV       | 319.00         | 400         | Horizontal | Pass    |
| 3   | 5238.800        | 100.76           | -2.61       | --             | --          | Peak     | 43.00          | 150         | Horizontal | N/A     |
| 3** | 5238.800        | 92.63            | -2.61       | --             | --          | AV       | 43.00          | 150         | Horizontal | N/A     |
| 4   | 7345.288        | 50.12            | -3.50       | 74.0           | 23.88       | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 4** | 7345.288        | 40.74            | -3.50       | 54.0           | 13.26       | AV       | 331.00         | 100         | Horizontal | Pass    |
| 5   | 12310.412       | 52.99            | 1.37        | 74.0           | 21.01       | Peak     | 136.00         | 200         | Horizontal | Pass    |
| 5** | 12310.412       | 43.49            | 1.37        | 54.0           | 10.51       | AV       | 136.00         | 200         | Horizontal | Pass    |
| 6   | 15626.213       | 56.18            | 1.72        | 74.0           | 17.82       | Peak     | 57.00          | 100         | Horizontal | Pass    |
| 6** | 15626.213       | 46.03            | 1.72        | 54.0           | 7.97        | AV       | 57.00          | 100         | Horizontal | Pass    |

## 11a, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1486.100        | 39.11            | -16.69      | 74.0           | 34.89       | Peak     | 61.00          | 200         | Vertical | Pass    |
| 1** | 1486.100        | 30.45            | -16.69      | 54.0           | 23.55       | AV       | 61.00          | 200         | Vertical | Pass    |
| 2   | 4390.200        | 51.11            | -3.31       | 74.0           | 22.89       | Peak     | 318.00         | 300         | Vertical | Pass    |
| 2** | 4390.200        | 41.36            | -3.31       | 54.0           | 12.64       | AV       | 318.00         | 300         | Vertical | Pass    |
| 3   | 5237.600        | 97.85            | -2.54       | --             | --          | Peak     | 0.00           | 150         | Vertical | N/A     |
| 3** | 5237.600        | 90.19            | -2.54       | --             | --          | AV       | 0.00           | 150         | Vertical | N/A     |
| 4   | 7326.600        | 49.13            | -3.41       | 74.0           | 24.87       | Peak     | 53.00          | 400         | Vertical | Pass    |
| 4** | 7326.600        | 40.16            | -3.41       | 54.0           | 13.84       | AV       | 53.00          | 400         | Vertical | Pass    |
| 5   | 12601.650       | 52.74            | 1.91        | 74.0           | 21.26       | Peak     | 217.00         | 100         | Vertical | Pass    |
| 5** | 12601.650       | 44.27            | 1.91        | 54.0           | 9.73        | AV       | 217.00         | 100         | Vertical | Pass    |
| 6   | 16022.850       | 55.93            | 0.61        | 74.0           | 18.07       | Peak     | 169.00         | 100         | Vertical | Pass    |
| 6** | 16022.850       | 46.29            | 0.61        | 54.0           | 7.71        | AV       | 169.00         | 100         | Vertical | Pass    |



## 11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1546.400        | 39.62            | -17.26      | 74.0           | 34.38       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 1** | 1546.400        | 29.94            | -17.26      | 54.0           | 24.06       | AV       | 360.00         | 400         | Horizontal | Pass    |
| 2   | 4383.600        | 50.03            | -3.64       | 74.0           | 23.97       | Peak     | 284.00         | 200         | Horizontal | Pass    |
| 2** | 4383.600        | 40.57            | -3.64       | 54.0           | 13.43       | AV       | 284.00         | 200         | Horizontal | Pass    |
| 3   | 5178.400        | 98.78            | -2.52       | --             | --          | Peak     | 35.00          | 100         | Horizontal | N/A     |
| 3** | 5178.400        | 91.57            | -2.52       | --             | --          | AV       | 35.00          | 100         | Horizontal | N/A     |
| 4   | 7514.050        | 49.49            | -3.39       | 74.0           | 24.51       | Peak     | 239.00         | 400         | Horizontal | Pass    |
| 4** | 7514.050        | 39.57            | -3.39       | 54.0           | 14.43       | AV       | 239.00         | 400         | Horizontal | Pass    |
| 5   | 12274.763       | 53.30            | 1.61        | 74.0           | 20.70       | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12274.763       | 43.30            | 1.61        | 54.0           | 10.70       | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15838.838       | 55.80            | 1.45        | 74.0           | 18.20       | Peak     | 324.00         | 400         | Horizontal | Pass    |
| 6** | 15838.838       | 46.34            | 1.45        | 54.0           | 7.66        | AV       | 324.00         | 400         | Horizontal | Pass    |

## 11n20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1587.500        | 39.94            | -17.03      | 74.0           | 34.06       | Peak     | 343.00         | 300         | Vertical | Pass    |
| 1** | 1587.500        | 30.20            | -17.03      | 54.0           | 23.80       | AV       | 343.00         | 300         | Vertical | Pass    |
| 2   | 4298.000        | 49.62            | -4.04       | 74.0           | 24.38       | Peak     | 294.00         | 300         | Vertical | Pass    |
| 2** | 4298.000        | 40.47            | -4.04       | 54.0           | 13.53       | AV       | 294.00         | 300         | Vertical | Pass    |
| 3   | 5180.000        | 96.34            | -2.62       | --             | --          | Peak     | 340.00         | 100         | Vertical | N/A     |
| 3** | 5180.000        | 87.30            | -2.62       | --             | --          | AV       | 340.00         | 100         | Vertical | N/A     |
| 4   | 7453.962        | 49.21            | -3.47       | 74.0           | 24.79       | Peak     | 82.00          | 400         | Vertical | Pass    |
| 4** | 7453.962        | 39.97            | -3.47       | 54.0           | 14.03       | AV       | 82.00          | 400         | Vertical | Pass    |
| 5   | 12610.850       | 53.30            | 1.89        | 74.0           | 20.70       | Peak     | 30.00          | 150         | Vertical | Pass    |
| 5** | 12610.850       | 43.56            | 1.89        | 54.0           | 10.44       | AV       | 30.00          | 150         | Vertical | Pass    |
| 6   | 15650.362       | 55.52            | 1.18        | 74.0           | 18.48       | Peak     | 261.00         | 300         | Vertical | Pass    |
| 6** | 15650.362       | 46.58            | 1.18        | 54.0           | 7.42        | AV       | 261.00         | 300         | Vertical | Pass    |

## 11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1524.000        | 40.43            | -17.37      | 74.0           | 33.57       | Peak     | 93.00          | 300         | Horizontal | Pass    |
| 1** | 1524.000        | 29.30            | -17.37      | 54.0           | 24.70       | AV       | 93.00          | 300         | Horizontal | Pass    |
| 2   | 4377.600        | 50.23            | -3.51       | 74.0           | 23.77       | Peak     | 118.00         | 100         | Horizontal | Pass    |
| 2** | 4377.600        | 41.69            | -3.51       | 54.0           | 12.31       | AV       | 118.00         | 100         | Horizontal | Pass    |
| 3   | 5217.400        | 100.36           | -2.72       | --             | --          | Peak     | 35.00          | 200         | Horizontal | N/A     |
| 3** | 5217.400        | 92.55            | -2.72       | --             | --          | AV       | 35.00          | 200         | Horizontal | N/A     |
| 4   | 7337.812        | 49.96            | -2.88       | 74.0           | 24.04       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 4** | 7337.812        | 41.32            | -2.88       | 54.0           | 12.68       | AV       | 360.00         | 400         | Horizontal | Pass    |
| 5   | 12279.650       | 52.95            | 1.79        | 74.0           | 21.05       | Peak     | 306.00         | 200         | Horizontal | Pass    |
| 5** | 12279.650       | 44.23            | 1.79        | 54.0           | 9.77        | AV       | 306.00         | 200         | Horizontal | Pass    |
| 6   | 15797.625       | 56.55            | 2.26        | 74.0           | 17.45       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 6** | 15797.625       | 47.01            | 2.26        | 54.0           | 6.99        | AV       | 0.00           | 300         | Horizontal | Pass    |

## 11n20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1527.500        | 39.93            | -17.11      | 74.0           | 34.07       | Peak     | 44.00          | 200         | Vertical | Pass    |
| 1** | 1527.500        | 29.14            | -17.11      | 54.0           | 24.86       | AV       | 44.00          | 200         | Vertical | Pass    |
| 2   | 4377.800        | 50.54            | -3.48       | 74.0           | 23.46       | Peak     | 76.00          | 400         | Vertical | Pass    |
| 2** | 4377.800        | 41.52            | -3.48       | 54.0           | 12.48       | AV       | 76.00          | 400         | Vertical | Pass    |
| 3   | 5219.400        | 97.48            | -2.86       | --             | --          | Peak     | 0.00           | 150         | Vertical | N/A     |
| 3** | 5219.400        | 90.28            | -2.86       | --             | --          | AV       | 0.00           | 150         | Vertical | N/A     |
| 4   | 7711.275        | 49.26            | -2.25       | 74.0           | 24.74       | Peak     | 276.00         | 100         | Vertical | Pass    |
| 4** | 7711.275        | 40.18            | -2.25       | 54.0           | 13.82       | AV       | 276.00         | 100         | Vertical | Pass    |
| 5   | 12517.987       | 53.21            | 1.50        | 74.0           | 20.79       | Peak     | 168.00         | 100         | Vertical | Pass    |
| 5** | 12517.987       | 43.68            | 1.50        | 54.0           | 10.32       | AV       | 168.00         | 100         | Vertical | Pass    |
| 6   | 15843.299       | 55.66            | 1.39        | 74.0           | 18.34       | Peak     | 266.00         | 400         | Vertical | Pass    |
| 6** | 15843.299       | 46.54            | 1.39        | 54.0           | 7.46        | AV       | 266.00         | 400         | Vertical | Pass    |

## 11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1574.600        | 39.84            | -17.14      | 74.0           | 34.16       | Peak     | 215.00         | 100         | Horizontal | Pass    |
| 1** | 1574.600        | 29.99            | -17.14      | 54.0           | 24.01       | AV       | 215.00         | 100         | Horizontal | Pass    |
| 2   | 4379.600        | 50.19            | -3.30       | 74.0           | 23.81       | Peak     | 17.00          | 400         | Horizontal | Pass    |
| 2** | 4379.600        | 41.83            | -3.30       | 54.0           | 12.17       | AV       | 17.00          | 400         | Horizontal | Pass    |
| 3   | 5236.400        | 99.81            | -2.51       | --             | --          | Peak     | 38.00          | 100         | Horizontal | N/A     |
| 3** | 5236.400        | 92.58            | -2.51       | --             | --          | AV       | 38.00          | 100         | Horizontal | N/A     |
| 4   | 7726.225        | 49.81            | -2.47       | 74.0           | 24.19       | Peak     | 342.00         | 300         | Horizontal | Pass    |
| 4** | 7726.225        | 40.23            | -2.47       | 54.0           | 13.77       | AV       | 342.00         | 300         | Horizontal | Pass    |
| 5   | 12511.088       | 53.44            | 1.59        | 74.0           | 20.56       | Peak     | 167.00         | 200         | Horizontal | Pass    |
| 5** | 12511.088       | 42.94            | 1.59        | 54.0           | 11.06       | AV       | 167.00         | 200         | Horizontal | Pass    |
| 6   | 16048.838       | 55.88            | 0.73        | 74.0           | 18.12       | Peak     | 323.00         | 400         | Horizontal | Pass    |
| 6** | 16048.838       | 46.41            | 0.73        | 54.0           | 7.59        | AV       | 323.00         | 400         | Horizontal | Pass    |

## 11n20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1505.700        | 39.03            | -16.83      | 74.0           | 34.97       | Peak     | 64.00          | 400         | Vertical | Pass    |
| 1** | 1505.700        | 30.53            | -16.83      | 54.0           | 23.47       | AV       | 64.00          | 400         | Vertical | Pass    |
| 2   | 4387.000        | 50.16            | -3.33       | 74.0           | 23.84       | Peak     | 213.00         | 300         | Vertical | Pass    |
| 2** | 4387.000        | 42.23            | -3.33       | 54.0           | 11.77       | AV       | 213.00         | 300         | Vertical | Pass    |
| 3   | 5236.800        | 97.62            | -2.52       | --             | --          | Peak     | 0.00           | 200         | Vertical | N/A     |
| 3** | 5236.800        | 89.97            | -2.52       | --             | --          | AV       | 0.00           | 200         | Vertical | N/A     |
| 4   | 7507.438        | 50.31            | -3.09       | 74.0           | 23.69       | Peak     | 33.00          | 300         | Vertical | Pass    |
| 4** | 7507.438        | 40.11            | -3.09       | 54.0           | 13.89       | AV       | 33.00          | 300         | Vertical | Pass    |
| 5   | 12271.600       | 53.16            | 1.50        | 74.0           | 20.84       | Peak     | 287.00         | 200         | Vertical | Pass    |
| 5** | 12271.600       | 43.18            | 1.50        | 54.0           | 10.82       | AV       | 287.00         | 200         | Vertical | Pass    |
| 6   | 15818.362       | 55.77            | 1.94        | 74.0           | 18.23       | Peak     | 342.00         | 100         | Vertical | Pass    |
| 6** | 15818.362       | 46.16            | 1.94        | 54.0           | 7.84        | AV       | 342.00         | 100         | Vertical | Pass    |

## 11n40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1517.700        | 40.19            | -17.16      | 74.0           | 33.81       | Peak     | 211.00         | 300         | Horizontal | Pass    |
| 1** | 1517.700        | 29.69            | -17.16      | 54.0           | 24.31       | AV       | 211.00         | 300         | Horizontal | Pass    |
| 2   | 4385.800        | 50.35            | -3.33       | 74.0           | 23.65       | Peak     | 317.00         | 300         | Horizontal | Pass    |
| 2** | 4385.800        | 41.63            | -3.33       | 54.0           | 12.37       | AV       | 317.00         | 300         | Horizontal | Pass    |
| 3   | 5187.600        | 96.10            | -2.36       | --             | --          | Peak     | 38.00          | 200         | Horizontal | N/A     |
| 3** | 5187.600        | 88.68            | -2.36       | --             | --          | AV       | 38.00          | 200         | Horizontal | N/A     |
| 4   | 7676.487        | 50.06            | -2.52       | 74.0           | 23.94       | Peak     | 49.00          | 400         | Horizontal | Pass    |
| 4** | 7676.487        | 39.98            | -2.52       | 54.0           | 14.02       | AV       | 49.00          | 400         | Horizontal | Pass    |
| 5   | 12232.212       | 53.25            | 1.24        | 74.0           | 20.75       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 5** | 12232.212       | 43.46            | 1.24        | 54.0           | 10.54       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 6   | 15818.362       | 55.79            | 1.94        | 74.0           | 18.21       | Peak     | 132.00         | 400         | Horizontal | Pass    |
| 6** | 15818.362       | 46.76            | 1.94        | 54.0           | 7.24        | AV       | 132.00         | 400         | Horizontal | Pass    |

## 11n40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1536.500        | 39.83            | -16.91      | 74.0           | 34.17       | Peak     | 161.00         | 400         | Vertical | Pass    |
| 1** | 1536.500        | 29.69            | -16.91      | 54.0           | 24.31       | AV       | 161.00         | 400         | Vertical | Pass    |
| 2   | 4378.600        | 50.01            | -3.40       | 74.0           | 23.99       | Peak     | 120.00         | 200         | Vertical | Pass    |
| 2** | 4378.600        | 40.99            | -3.40       | 54.0           | 13.01       | AV       | 120.00         | 200         | Vertical | Pass    |
| 3   | 5188.200        | 93.45            | -2.34       | --             | --          | Peak     | 0.00           | 150         | Vertical | N/A     |
| 3** | 5188.200        | 85.92            | -2.34       | --             | --          | AV       | 0.00           | 150         | Vertical | N/A     |
| 4   | 7392.437        | 49.44            | -3.83       | 74.0           | 24.56       | Peak     | 127.00         | 200         | Vertical | Pass    |
| 4** | 7392.437        | 39.63            | -3.83       | 54.0           | 14.37       | AV       | 127.00         | 200         | Vertical | Pass    |
| 5   | 12077.825       | 53.65            | 0.62        | 74.0           | 20.35       | Peak     | 14.00          | 150         | Vertical | Pass    |
| 5** | 12077.825       | 42.96            | 0.62        | 54.0           | 11.04       | AV       | 14.00          | 150         | Vertical | Pass    |
| 6   | 15677.138       | 55.89            | 1.56        | 74.0           | 18.11       | Peak     | 221.00         | 400         | Vertical | Pass    |
| 6** | 15677.138       | 45.93            | 1.56        | 54.0           | 8.07        | AV       | 221.00         | 400         | Vertical | Pass    |

## 11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1501.100        | 40.06            | -16.91      | 74.0           | 33.94       | Peak     | 334.00         | 300         | Horizontal | Pass    |
| 1** | 1501.100        | 30.34            | -16.91      | 54.0           | 23.66       | AV       | 334.00         | 300         | Horizontal | Pass    |
| 2   | 4396.800        | 49.79            | -4.02       | 74.0           | 24.21       | Peak     | 293.00         | 200         | Horizontal | Pass    |
| 2** | 4396.800        | 40.79            | -4.02       | 54.0           | 13.21       | AV       | 293.00         | 200         | Horizontal | Pass    |
| 3   | 5226.000        | 97.62            | -2.61       | --             | --          | Peak     | 35.00          | 150         | Horizontal | N/A     |
| 3** | 5226.000        | 89.88            | -2.61       | --             | --          | AV       | 35.00          | 150         | Horizontal | N/A     |
| 4   | 7627.612        | 49.82            | -2.79       | 74.0           | 24.18       | Peak     | 138.00         | 400         | Horizontal | Pass    |
| 4** | 7627.612        | 40.31            | -2.79       | 54.0           | 13.69       | AV       | 138.00         | 400         | Horizontal | Pass    |
| 5   | 12602.225       | 53.44            | 1.91        | 74.0           | 20.56       | Peak     | 84.00          | 150         | Horizontal | Pass    |
| 5** | 12602.225       | 43.21            | 1.91        | 54.0           | 10.79       | AV       | 84.00          | 150         | Horizontal | Pass    |
| 6   | 15658.237       | 56.21            | 1.24        | 74.0           | 17.79       | Peak     | 317.00         | 400         | Horizontal | Pass    |
| 6** | 15658.237       | 46.14            | 1.24        | 54.0           | 7.86        | AV       | 317.00         | 400         | Horizontal | Pass    |

## 11n40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1505.100        | 39.44            | -16.84      | 74.0           | 34.56       | Peak     | 58.00          | 400         | Vertical | Pass    |
| 1** | 1505.100        | 29.97            | -16.84      | 54.0           | 24.03       | AV       | 58.00          | 400         | Vertical | Pass    |
| 2   | 4208.400        | 50.44            | -4.54       | 74.0           | 23.56       | Peak     | 327.00         | 300         | Vertical | Pass    |
| 2** | 4208.400        | 41.07            | -4.54       | 54.0           | 12.93       | AV       | 327.00         | 300         | Vertical | Pass    |
| 3   | 5232.200        | 94.89            | -2.62       | --             | --          | Peak     | 0.00           | 100         | Vertical | N/A     |
| 3** | 5232.200        | 87.59            | -2.62       | --             | --          | AV       | 0.00           | 100         | Vertical | N/A     |
| 4   | 7339.250        | 50.37            | -2.93       | 74.0           | 23.63       | Peak     | 274.00         | 100         | Vertical | Pass    |
| 4** | 7339.250        | 40.85            | -2.93       | 54.0           | 13.15       | AV       | 274.00         | 100         | Vertical | Pass    |
| 5   | 11870.537       | 52.72            | 1.19        | 74.0           | 21.28       | Peak     | 62.00          | 150         | Vertical | Pass    |
| 5** | 11870.537       | 42.90            | 1.19        | 54.0           | 11.10       | AV       | 62.00          | 150         | Vertical | Pass    |
| 6   | 16178.513       | 56.39            | 1.45        | 74.0           | 17.61       | Peak     | 130.00         | 300         | Vertical | Pass    |
| 6** | 16178.513       | 45.87            | 1.45        | 54.0           | 8.13        | AV       | 130.00         | 300         | Vertical | Pass    |

## 11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1520.800        | 39.97            | -17.29      | 74.0           | 34.03       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 1** | 1520.800        | 29.15            | -17.29      | 54.0           | 24.85       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 2   | 4378.600        | 50.07            | -3.40       | 74.0           | 23.93       | Peak     | 13.00          | 100         | Horizontal | Pass    |
| 2** | 4378.600        | 41.43            | -3.40       | 54.0           | 12.57       | AV       | 13.00          | 100         | Horizontal | Pass    |
| 3   | 5178.800        | 98.47            | -2.53       | --             | --          | Peak     | 46.00          | 200         | Horizontal | N/A     |
| 3** | 5178.800        | 90.60            | -2.53       | --             | --          | AV       | 46.00          | 200         | Horizontal | N/A     |
| 4   | 7312.513        | 50.21            | -3.57       | 74.0           | 23.79       | Peak     | 324.00         | 200         | Horizontal | Pass    |
| 4** | 7312.513        | 40.44            | -3.57       | 54.0           | 13.56       | AV       | 324.00         | 200         | Horizontal | Pass    |
| 5   | 12068.338       | 53.29            | 0.82        | 74.0           | 20.71       | Peak     | 30.00          | 150         | Horizontal | Pass    |
| 5** | 12068.338       | 43.95            | 0.82        | 54.0           | 10.05       | AV       | 30.00          | 150         | Horizontal | Pass    |
| 6   | 15861.937       | 55.73            | 0.88        | 74.0           | 18.27       | Peak     | 174.00         | 300         | Horizontal | Pass    |
| 6** | 15861.937       | 46.54            | 0.88        | 54.0           | 7.46        | AV       | 174.00         | 300         | Horizontal | Pass    |

## 11ac20, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1534.000        | 39.77            | -17.17      | 74.0           | 34.23       | Peak     | 147.00         | 400         | Vertical | Pass    |
| 1** | 1534.000        | 29.46            | -17.17      | 54.0           | 24.54       | AV       | 147.00         | 400         | Vertical | Pass    |
| 2   | 4344.200        | 50.21            | -3.84       | 74.0           | 23.79       | Peak     | 261.00         | 200         | Vertical | Pass    |
| 2** | 4344.200        | 40.64            | -3.84       | 54.0           | 13.36       | AV       | 261.00         | 200         | Vertical | Pass    |
| 3   | 5181.200        | 95.45            | -2.66       | --             | --          | Peak     | 0.00           | 150         | Vertical | N/A     |
| 3** | 5181.200        | 88.55            | -2.66       | --             | --          | AV       | 0.00           | 150         | Vertical | N/A     |
| 4   | 7458.850        | 49.92            | -3.67       | 74.0           | 24.08       | Peak     | 136.00         | 400         | Vertical | Pass    |
| 4** | 7458.850        | 41.14            | -3.67       | 54.0           | 12.86       | AV       | 136.00         | 400         | Vertical | Pass    |
| 5   | 11487.300       | 52.76            | 0.07        | 74.0           | 21.24       | Peak     | 188.00         | 200         | Vertical | Pass    |
| 5** | 11487.300       | 43.05            | 0.07        | 54.0           | 10.95       | AV       | 188.00         | 200         | Vertical | Pass    |
| 6   | 15848.813       | 55.73            | 1.34        | 74.0           | 18.27       | Peak     | 244.00         | 100         | Vertical | Pass    |
| 6** | 15848.813       | 46.00            | 1.34        | 54.0           | 8.00        | AV       | 244.00         | 100         | Vertical | Pass    |

## 11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1523.200        | 39.80            | -17.35      | 74.0           | 34.20       | Peak     | 88.00          | 100         | Horizontal | Pass    |
| 1** | 1523.200        | 29.75            | -17.35      | 54.0           | 24.25       | AV       | 88.00          | 100         | Horizontal | Pass    |
| 2   | 4390.200        | 50.36            | -3.31       | 74.0           | 23.64       | Peak     | 162.00         | 300         | Horizontal | Pass    |
| 2** | 4390.200        | 41.34            | -3.31       | 54.0           | 12.66       | AV       | 162.00         | 300         | Horizontal | Pass    |
| 3   | 5220.800        | 100.26           | -2.72       | --             | --          | Peak     | 36.00          | 150         | Horizontal | N/A     |
| 3** | 5220.800        | 92.40            | -2.72       | --             | --          | AV       | 36.00          | 150         | Horizontal | N/A     |
| 4   | 7509.737        | 49.44            | -3.15       | 74.0           | 24.56       | Peak     | 250.00         | 400         | Horizontal | Pass    |
| 4** | 7509.737        | 40.36            | -3.15       | 54.0           | 13.64       | AV       | 250.00         | 400         | Horizontal | Pass    |
| 5   | 11920.562       | 53.18            | 1.50        | 74.0           | 20.82       | Peak     | 353.00         | 150         | Horizontal | Pass    |
| 5** | 11920.562       | 43.19            | 1.50        | 54.0           | 10.81       | AV       | 353.00         | 150         | Horizontal | Pass    |
| 6   | 15511.763       | 56.08            | 1.43        | 74.0           | 17.92       | Peak     | 325.00         | 300         | Horizontal | Pass    |
| 6** | 15511.763       | 46.57            | 1.43        | 54.0           | 7.43        | AV       | 325.00         | 300         | Horizontal | Pass    |

## 11ac20, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1519.000        | 39.29            | -17.24      | 74.0           | 34.71       | Peak     | 48.00          | 200         | Vertical | Pass    |
| 1** | 1519.000        | 30.52            | -17.24      | 54.0           | 23.48       | AV       | 48.00          | 200         | Vertical | Pass    |
| 2   | 4374.400        | 49.95            | -4.00       | 74.0           | 24.05       | Peak     | 330.00         | 200         | Vertical | Pass    |
| 2** | 4374.400        | 40.61            | -4.00       | 54.0           | 13.39       | AV       | 330.00         | 200         | Vertical | Pass    |
| 3   | 5221.800        | 97.18            | -2.69       | --             | --          | Peak     | 0.00           | 100         | Vertical | N/A     |
| 3** | 5221.800        | 90.44            | -2.69       | --             | --          | AV       | 0.00           | 100         | Vertical | N/A     |
| 4   | 7338.675        | 49.55            | -2.91       | 74.0           | 24.45       | Peak     | 244.00         | 400         | Vertical | Pass    |
| 4** | 7338.675        | 40.47            | -2.91       | 54.0           | 13.53       | AV       | 244.00         | 400         | Vertical | Pass    |
| 5   | 12686.175       | 52.66            | 0.85        | 74.0           | 21.34       | Peak     | 332.00         | 200         | Vertical | Pass    |
| 5** | 12686.175       | 43.17            | 0.85        | 54.0           | 10.83       | AV       | 332.00         | 200         | Vertical | Pass    |
| 6   | 15841.200       | 56.11            | 1.43        | 74.0           | 17.89       | Peak     | 207.00         | 400         | Vertical | Pass    |
| 6** | 15841.200       | 46.55            | 1.43        | 54.0           | 7.45        | AV       | 207.00         | 400         | Vertical | Pass    |

## 11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1543.900        | 39.82            | -17.28      | 74.0           | 34.18       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 1** | 1543.900        | 29.70            | -17.28      | 54.0           | 24.30       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 2   | 4391.400        | 50.55            | -3.43       | 74.0           | 23.45       | Peak     | 330.00         | 400         | Horizontal | Pass    |
| 2** | 4391.400        | 40.88            | -3.43       | 54.0           | 13.12       | AV       | 330.00         | 400         | Horizontal | Pass    |
| 3   | 5241.800        | 99.81            | -2.51       | --             | --          | Peak     | 43.00          | 150         | Horizontal | N/A     |
| 3** | 5241.800        | 91.92            | -2.51       | --             | --          | AV       | 43.00          | 150         | Horizontal | N/A     |
| 4   | 7448.500        | 49.66            | -3.26       | 74.0           | 24.34       | Peak     | 320.00         | 100         | Horizontal | Pass    |
| 4** | 7448.500        | 40.42            | -3.26       | 54.0           | 13.58       | AV       | 320.00         | 100         | Horizontal | Pass    |
| 5   | 12697.099       | 53.14            | 0.83        | 74.0           | 20.86       | Peak     | 35.00          | 100         | Horizontal | Pass    |
| 5** | 12697.099       | 43.88            | 0.83        | 54.0           | 10.12       | AV       | 35.00          | 100         | Horizontal | Pass    |
| 6   | 15722.550       | 55.96            | 0.51        | 74.0           | 18.04       | Peak     | 251.00         | 400         | Horizontal | Pass    |
| 6** | 15722.550       | 45.65            | 0.51        | 54.0           | 8.35        | AV       | 251.00         | 400         | Horizontal | Pass    |

## 11ac20, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1584.000        | 38.95            | -17.03      | 74.0           | 35.05       | Peak     | 3.00           | 200         | Vertical | Pass    |
| 1** | 1584.000        | 29.25            | -17.03      | 54.0           | 24.75       | AV       | 3.00           | 200         | Vertical | Pass    |
| 2   | 4388.400        | 50.66            | -3.40       | 74.0           | 23.34       | Peak     | 81.00          | 300         | Vertical | Pass    |
| 2** | 4388.400        | 41.04            | -3.40       | 54.0           | 12.96       | AV       | 81.00          | 300         | Vertical | Pass    |
| 3   | 5238.000        | 97.01            | -2.55       | --             | --          | Peak     | 0.00           | 100         | Vertical | N/A     |
| 3** | 5238.000        | 89.67            | -2.55       | --             | --          | AV       | 0.00           | 100         | Vertical | N/A     |
| 4   | 7514.337        | 49.44            | -3.39       | 74.0           | 24.56       | Peak     | 343.00         | 200         | Vertical | Pass    |
| 4** | 7514.337        | 39.81            | -3.39       | 54.0           | 14.19       | AV       | 343.00         | 200         | Vertical | Pass    |
| 5   | 12328.526       | 53.20            | 1.42        | 74.0           | 20.80       | Peak     | 200.00         | 100         | Vertical | Pass    |
| 5** | 12328.526       | 43.55            | 1.42        | 54.0           | 10.45       | AV       | 200.00         | 100         | Vertical | Pass    |
| 6   | 15839.625       | 56.20            | 1.45        | 74.0           | 17.80       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 15839.625       | 46.17            | 1.45        | 54.0           | 7.83        | AV       | 0.00           | 200         | Vertical | Pass    |



## 11ac40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1588.900        | 39.70            | -17.14      | 74.0           | 34.30       | Peak     | 107.00         | 100         | Horizontal | Pass    |
| 1** | 1588.900        | 29.86            | -17.14      | 54.0           | 24.14       | AV       | 107.00         | 100         | Horizontal | Pass    |
| 2   | 4373.000        | 50.00            | -3.89       | 74.0           | 24.00       | Peak     | 7.00           | 100         | Horizontal | Pass    |
| 2** | 4373.000        | 40.85            | -3.89       | 54.0           | 13.15       | AV       | 7.00           | 100         | Horizontal | Pass    |
| 3   | 5191.800        | 96.00            | -2.27       | --             | --          | Peak     | 41.00          | 200         | Horizontal | N/A     |
| 3** | 5191.800        | 89.40            | -2.27       | --             | --          | AV       | 41.00          | 200         | Horizontal | N/A     |
| 4   | 7452.237        | 49.98            | -3.16       | 74.0           | 24.02       | Peak     | 237.00         | 400         | Horizontal | Pass    |
| 4** | 7452.237        | 40.52            | -3.16       | 54.0           | 13.48       | AV       | 237.00         | 400         | Horizontal | Pass    |
| 5   | 12612.287       | 53.27            | 1.88        | 74.0           | 20.73       | Peak     | 331.00         | 200         | Horizontal | Pass    |
| 5** | 12612.287       | 43.41            | 1.88        | 54.0           | 10.59       | AV       | 331.00         | 200         | Horizontal | Pass    |
| 6   | 15800.776       | 55.44            | 2.32        | 74.0           | 18.56       | Peak     | 168.00         | 300         | Horizontal | Pass    |
| 6** | 15800.776       | 46.84            | 2.32        | 54.0           | 7.16        | AV       | 168.00         | 300         | Horizontal | Pass    |

## 11ac40, U-NII-1, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1533.200        | 39.59            | -17.18      | 74.0           | 34.41       | Peak     | 161.00         | 400         | Vertical | Pass    |
| 1** | 1533.200        | 29.16            | -17.18      | 54.0           | 24.84       | AV       | 161.00         | 400         | Vertical | Pass    |
| 2   | 4387.600        | 50.35            | -3.37       | 74.0           | 23.65       | Peak     | 215.00         | 200         | Vertical | Pass    |
| 2** | 4387.600        | 40.97            | -3.37       | 54.0           | 13.03       | AV       | 215.00         | 200         | Vertical | Pass    |
| 3   | 5191.800        | 93.92            | -2.27       | --             | --          | Peak     | 352.00         | 200         | Vertical | N/A     |
| 3** | 5191.800        | 85.94            | -2.27       | --             | --          | AV       | 352.00         | 200         | Vertical | N/A     |
| 4   | 7500.825        | 49.60            | -3.26       | 74.0           | 24.40       | Peak     | 300.00         | 300         | Vertical | Pass    |
| 4** | 7500.825        | 40.00            | -3.26       | 54.0           | 14.00       | AV       | 300.00         | 300         | Vertical | Pass    |
| 5   | 12103.125       | 53.03            | 0.59        | 74.0           | 20.97       | Peak     | 246.00         | 150         | Vertical | Pass    |
| 5** | 12103.125       | 42.34            | 0.59        | 54.0           | 11.66       | AV       | 246.00         | 150         | Vertical | Pass    |
| 6   | 15849.600       | 55.74            | 1.33        | 74.0           | 18.26       | Peak     | 79.00          | 400         | Vertical | Pass    |
| 6** | 15849.600       | 47.52            | 1.33        | 54.0           | 6.48        | AV       | 79.00          | 400         | Vertical | Pass    |

## 11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1540.400        | 40.30            | -17.00      | 74.0           | 33.70       | Peak     | 203.00         | 200         | Horizontal | Pass    |
| 1** | 1540.400        | 29.25            | -17.00      | 54.0           | 24.75       | AV       | 203.00         | 200         | Horizontal | Pass    |
| 2   | 4379.800        | 50.81            | -3.28       | 74.0           | 23.19       | Peak     | 292.00         | 300         | Horizontal | Pass    |
| 2** | 4379.800        | 41.76            | -3.28       | 54.0           | 12.24       | AV       | 292.00         | 300         | Horizontal | Pass    |
| 3   | 5228.400        | 97.35            | -2.71       | --             | --          | Peak     | 48.00          | 200         | Horizontal | N/A     |
| 3** | 5228.400        | 89.80            | -2.71       | --             | --          | AV       | 48.00          | 200         | Horizontal | N/A     |
| 4   | 7617.550        | 50.05            | -2.69       | 74.0           | 23.95       | Peak     | 297.00         | 100         | Horizontal | Pass    |
| 4** | 7617.550        | 39.74            | -2.69       | 54.0           | 14.26       | AV       | 297.00         | 100         | Horizontal | Pass    |
| 5   | 11223.375       | 52.87            | -0.22       | 74.0           | 21.13       | Peak     | 75.00          | 150         | Horizontal | Pass    |
| 5** | 11223.375       | 42.89            | -0.22       | 54.0           | 11.11       | AV       | 75.00          | 150         | Horizontal | Pass    |
| 6   | 15838.576       | 56.11            | 1.45        | 74.0           | 17.89       | Peak     | 103.00         | 100         | Horizontal | Pass    |
| 6** | 15838.576       | 46.99            | 1.45        | 54.0           | 7.01        | AV       | 103.00         | 100         | Horizontal | Pass    |

## 11ac40, U-NII-1, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1529.100        | 40.43            | -17.10      | 74.0           | 33.57       | Peak     | 46.00          | 200         | Vertical | Pass    |
| 1** | 1529.100        | 29.24            | -17.10      | 54.0           | 24.76       | AV       | 46.00          | 200         | Vertical | Pass    |
| 2   | 4384.600        | 50.79            | -3.54       | 74.0           | 23.21       | Peak     | 330.00         | 100         | Vertical | Pass    |
| 2** | 4384.600        | 40.85            | -3.54       | 54.0           | 13.15       | AV       | 330.00         | 100         | Vertical | Pass    |
| 3   | 5232.000        | 95.01            | -2.60       | --             | --          | Peak     | 0.00           | 150         | Vertical | N/A     |
| 3** | 5232.000        | 87.56            | -2.60       | --             | --          | AV       | 0.00           | 150         | Vertical | N/A     |
| 4   | 7674.187        | 49.30            | -2.37       | 74.0           | 24.70       | Peak     | 116.00         | 300         | Vertical | Pass    |
| 4** | 7674.187        | 40.73            | -2.37       | 54.0           | 13.27       | AV       | 116.00         | 300         | Vertical | Pass    |
| 5   | 12369.350       | 53.05            | 1.25        | 74.0           | 20.95       | Peak     | 150.00         | 200         | Vertical | Pass    |
| 5** | 12369.350       | 43.08            | 1.25        | 54.0           | 10.92       | AV       | 150.00         | 200         | Vertical | Pass    |
| 6   | 15845.662       | 56.01            | 1.36        | 74.0           | 17.99       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 15845.662       | 46.73            | 1.36        | 54.0           | 7.27        | AV       | 0.00           | 200         | Vertical | Pass    |

## 11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1535.500        | 39.64            | -17.04      | 74.0           | 34.36       | Peak     | 65.00          | 400         | Horizontal | Pass    |
| 1** | 1535.500        | 29.74            | -17.04      | 54.0           | 24.26       | AV       | 65.00          | 400         | Horizontal | Pass    |
| 2   | 4379.800        | 49.56            | -3.28       | 74.0           | 24.44       | Peak     | 187.00         | 200         | Horizontal | Pass    |
| 2** | 4379.800        | 40.98            | -3.28       | 54.0           | 13.02       | AV       | 187.00         | 200         | Horizontal | Pass    |
| 3   | 5207.400        | 94.22            | -2.32       | --             | --          | Peak     | 48.00          | 100         | Horizontal | N/A     |
| 3** | 5207.400        | 86.94            | -2.32       | --             | --          | AV       | 48.00          | 100         | Horizontal | N/A     |
| 4   | 7338.962        | 49.65            | -2.92       | 74.0           | 24.35       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 4** | 7338.962        | 40.84            | -2.92       | 54.0           | 13.16       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 5   | 12536.674       | 52.74            | 1.27        | 74.0           | 21.26       | Peak     | 186.00         | 200         | Horizontal | Pass    |
| 5** | 12536.674       | 42.49            | 1.27        | 54.0           | 11.51       | AV       | 186.00         | 200         | Horizontal | Pass    |
| 6   | 15491.550       | 55.89            | 0.97        | 74.0           | 18.11       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 15491.550       | 46.07            | 0.97        | 54.0           | 7.93        | AV       | 360.00         | 200         | Horizontal | Pass    |

## 11ac80, U-NII-1, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1558.900        | 39.51            | -16.97      | 74.0           | 34.49       | Peak     | 3.00           | 100         | Vertical | Pass    |
| 1** | 1558.900        | 29.78            | -16.97      | 54.0           | 24.22       | AV       | 3.00           | 100         | Vertical | Pass    |
| 2   | 4385.000        | 51.43            | -3.47       | 74.0           | 22.57       | Peak     | 311.00         | 400         | Vertical | Pass    |
| 2** | 4385.000        | 41.25            | -3.47       | 54.0           | 12.75       | AV       | 311.00         | 400         | Vertical | Pass    |
| 3   | 5216.000        | 91.80            | -2.61       | --             | --          | Peak     | 0.00           | 200         | Vertical | N/A     |
| 3** | 5216.000        | 84.05            | -2.61       | --             | --          | AV       | 0.00           | 200         | Vertical | N/A     |
| 4   | 7685.400        | 49.34            | -2.19       | 74.0           | 24.66       | Peak     | 34.00          | 300         | Vertical | Pass    |
| 4** | 7685.400        | 40.10            | -2.19       | 54.0           | 13.90       | AV       | 34.00          | 300         | Vertical | Pass    |
| 5   | 12324.213       | 52.86            | 1.42        | 74.0           | 21.14       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 12324.213       | 43.51            | 1.42        | 54.0           | 10.49       | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 15803.138       | 56.17            | 2.29        | 74.0           | 17.83       | Peak     | 281.00         | 300         | Vertical | Pass    |
| 6** | 15803.138       | 46.59            | 2.29        | 54.0           | 7.41        | AV       | 281.00         | 300         | Vertical | Pass    |

## 11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1438.400        | 39.87            | -17.34      | 74.0           | 34.13       | Peak     | 308.00         | 300         | Horizontal | Pass    |
| 1** | 1438.400        | 29.11            | -17.34      | 54.0           | 24.89       | AV       | 308.00         | 300         | Horizontal | Pass    |
| 2   | 4383.400        | 50.11            | -3.64       | 74.0           | 23.89       | Peak     | 137.00         | 400         | Horizontal | Pass    |
| 2** | 4383.400        | 41.29            | -3.64       | 54.0           | 12.71       | AV       | 137.00         | 400         | Horizontal | Pass    |
| 3   | 5258.200        | 102.11           | -1.77       | --             | --          | Peak     | 40.00          | 100         | Horizontal | N/A     |
| 3** | 5258.200        | 95.37            | -1.77       | --             | --          | AV       | 40.00          | 100         | Horizontal | N/A     |
| 4   | 7333.500        | 49.78            | -3.12       | 74.0           | 24.22       | Peak     | 228.00         | 300         | Horizontal | Pass    |
| 4** | 7333.500        | 40.59            | -3.12       | 54.0           | 13.41       | AV       | 228.00         | 300         | Horizontal | Pass    |
| 5   | 12275.338       | 53.90            | 1.63        | 74.0           | 20.10       | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 5** | 12275.338       | 44.60            | 1.63        | 54.0           | 9.40        | AV       | 162.00         | 150         | Horizontal | Pass    |
| 6   | 15781.349       | 56.45            | 1.61        | 74.0           | 17.55       | Peak     | 269.00         | 200         | Horizontal | Pass    |
| 6** | 15781.349       | 47.92            | 1.61        | 54.0           | 6.08        | AV       | 269.00         | 200         | Horizontal | Pass    |

## 11a, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1440.400        | 38.98            | -17.19      | 74.0           | 35.02       | Peak     | 161.00         | 200         | Vertical | Pass    |
| 1** | 1440.400        | 29.38            | -17.19      | 54.0           | 24.62       | AV       | 161.00         | 200         | Vertical | Pass    |
| 2   | 4391.400        | 49.65            | -3.43       | 74.0           | 24.35       | Peak     | 33.00          | 100         | Vertical | Pass    |
| 2** | 4391.400        | 41.55            | -3.43       | 54.0           | 12.45       | AV       | 33.00          | 100         | Vertical | Pass    |
| 3   | 5259.000        | 98.58            | -1.76       | --             | --          | Peak     | 1.00           | 100         | Vertical | N/A     |
| 3** | 5259.000        | 90.86            | -1.76       | --             | --          | AV       | 1.00           | 100         | Vertical | N/A     |
| 4   | 7338.387        | 49.44            | -2.90       | 74.0           | 24.56       | Peak     | 206.00         | 200         | Vertical | Pass    |
| 4** | 7338.387        | 40.41            | -2.90       | 54.0           | 13.59       | AV       | 206.00         | 200         | Vertical | Pass    |
| 5   | 12658.575       | 52.89            | 1.00        | 74.0           | 21.11       | Peak     | 187.00         | 200         | Vertical | Pass    |
| 5** | 12658.575       | 42.35            | 1.00        | 54.0           | 11.65       | AV       | 187.00         | 200         | Vertical | Pass    |
| 6   | 15785.287       | 56.28            | 1.81        | 74.0           | 17.72       | Peak     | 203.00         | 300         | Vertical | Pass    |
| 6** | 15785.287       | 47.12            | 1.81        | 54.0           | 6.88        | AV       | 203.00         | 300         | Vertical | Pass    |

## 11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1558.000        | 38.68            | -16.99      | 74.0           | 35.32       | Peak     | 311.00         | 100         | Horizontal | Pass    |
| 1** | 1558.000        | 29.41            | -16.99      | 54.0           | 24.59       | AV       | 311.00         | 100         | Horizontal | Pass    |
| 2   | 4003.400        | 50.24            | -4.07       | 74.0           | 23.76       | Peak     | 275.00         | 400         | Horizontal | Pass    |
| 2** | 4003.400        | 41.34            | -4.07       | 54.0           | 12.66       | AV       | 275.00         | 400         | Horizontal | Pass    |
| 3   | 5302.400        | 102.13           | -2.72       | --             | --          | Peak     | 51.00          | 200         | Horizontal | N/A     |
| 3** | 5302.400        | 93.94            | -2.72       | --             | --          | AV       | 51.00          | 200         | Horizontal | N/A     |
| 4   | 7628.188        | 49.44            | -2.87       | 74.0           | 24.56       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 4** | 7628.188        | 40.02            | -2.87       | 54.0           | 13.98       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 5   | 12336.000       | 53.05            | 1.33        | 74.0           | 20.95       | Peak     | 224.00         | 100         | Horizontal | Pass    |
| 5** | 12336.000       | 43.64            | 1.33        | 54.0           | 10.36       | AV       | 224.00         | 100         | Horizontal | Pass    |
| 6   | 15898.162       | 56.92            | 0.24        | 74.0           | 17.08       | Peak     | 291.00         | 400         | Horizontal | Pass    |
| 6** | 15898.162       | 48.33            | 0.24        | 54.0           | 5.67        | AV       | 291.00         | 400         | Horizontal | Pass    |

## 11a, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1569.300        | 38.74            | -17.11      | 74.0           | 35.26       | Peak     | 325.00         | 400         | Vertical | Pass    |
| 1** | 1569.300        | 29.48            | -17.11      | 54.0           | 24.52       | AV       | 325.00         | 400         | Vertical | Pass    |
| 2   | 4397.800        | 49.95            | -4.33       | 74.0           | 24.05       | Peak     | 94.00          | 100         | Vertical | Pass    |
| 2** | 4397.800        | 41.17            | -4.33       | 54.0           | 12.83       | AV       | 94.00          | 100         | Vertical | Pass    |
| 3   | 5298.600        | 98.62            | -2.89       | --             | --          | Peak     | 9.00           | 150         | Vertical | N/A     |
| 3** | 5298.600        | 91.61            | -2.89       | --             | --          | AV       | 9.00           | 150         | Vertical | N/A     |
| 4   | 7353.050        | 49.71            | -3.82       | 74.0           | 24.29       | Peak     | 211.00         | 300         | Vertical | Pass    |
| 4** | 7353.050        | 40.50            | -3.82       | 54.0           | 13.50       | AV       | 211.00         | 300         | Vertical | Pass    |
| 5   | 12304.663       | 52.81            | 1.39        | 74.0           | 21.19       | Peak     | 329.00         | 200         | Vertical | Pass    |
| 5** | 12304.663       | 43.89            | 1.39        | 54.0           | 10.11       | AV       | 329.00         | 200         | Vertical | Pass    |
| 6   | 15453.225       | 55.68            | 1.44        | 74.0           | 18.32       | Peak     | 113.00         | 400         | Vertical | Pass    |
| 6** | 15453.225       | 46.00            | 1.44        | 54.0           | 8.00        | AV       | 113.00         | 400         | Vertical | Pass    |

## 11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1516.400        | 38.44            | -17.17      | 74.0           | 35.56       | Peak     | 79.00          | 200         | Horizontal | Pass    |
| 1** | 1516.400        | 29.71            | -17.17      | 54.0           | 24.29       | AV       | 79.00          | 200         | Horizontal | Pass    |
| 2   | 4389.000        | 50.19            | -3.37       | 74.0           | 23.81       | Peak     | 20.00          | 100         | Horizontal | Pass    |
| 2** | 4389.000        | 41.38            | -3.37       | 54.0           | 12.62       | AV       | 20.00          | 100         | Horizontal | Pass    |
| 3   | 5321.600        | 101.67           | -2.21       | --             | --          | Peak     | 289.00         | 200         | Horizontal | N/A     |
| 3** | 5321.600        | 94.37            | -2.21       | --             | --          | AV       | 289.00         | 200         | Horizontal | N/A     |
| 4   | 7344.138        | 49.65            | -3.45       | 74.0           | 24.35       | Peak     | 211.00         | 300         | Horizontal | Pass    |
| 4** | 7344.138        | 40.07            | -3.45       | 54.0           | 13.93       | AV       | 211.00         | 300         | Horizontal | Pass    |
| 5   | 11787.450       | 53.37            | 1.04        | 74.0           | 20.63       | Peak     | 174.00         | 150         | Horizontal | Pass    |
| 5** | 11787.450       | 42.79            | 1.04        | 54.0           | 11.21       | AV       | 174.00         | 150         | Horizontal | Pass    |
| 6   | 15961.162       | 56.84            | 0.15        | 74.0           | 17.16       | Peak     | 289.00         | 400         | Horizontal | Pass    |
| 6** | 15961.162       | 46.75            | 0.15        | 54.0           | 7.25        | AV       | 289.00         | 400         | Horizontal | Pass    |

## 11a, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1616.600        | 39.82            | -17.25      | 74.0           | 34.18       | Peak     | 176.00         | 100         | Vertical | Pass    |
| 1** | 1616.600        | 29.58            | -17.25      | 54.0           | 24.42       | AV       | 176.00         | 100         | Vertical | Pass    |
| 2   | 4377.800        | 51.26            | -3.48       | 74.0           | 22.74       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 2** | 4377.800        | 41.17            | -3.48       | 54.0           | 12.83       | AV       | 360.00         | 200         | Vertical | Pass    |
| 3   | 5319.200        | 100.01           | -2.33       | --             | --          | Peak     | 8.00           | 150         | Vertical | N/A     |
| 3** | 5319.200        | 91.92            | -2.33       | --             | --          | AV       | 8.00           | 150         | Vertical | N/A     |
| 4   | 7731.687        | 49.42            | -2.33       | 74.0           | 24.58       | Peak     | 286.00         | 100         | Vertical | Pass    |
| 4** | 7731.687        | 40.79            | -2.33       | 54.0           | 13.21       | AV       | 286.00         | 100         | Vertical | Pass    |
| 5   | 12274.763       | 52.66            | 1.61        | 74.0           | 21.34       | Peak     | 326.00         | 200         | Vertical | Pass    |
| 5** | 12274.763       | 44.41            | 1.61        | 54.0           | 9.59        | AV       | 326.00         | 200         | Vertical | Pass    |
| 6   | 15820.200       | 56.20            | 1.87        | 74.0           | 17.80       | Peak     | 128.00         | 200         | Vertical | Pass    |
| 6** | 15820.200       | 46.39            | 1.87        | 54.0           | 7.61        | AV       | 128.00         | 200         | Vertical | Pass    |

## 11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1458.700        | 38.60            | -16.99      | 74.0           | 35.40       | Peak     | 246.00         | 400         | Horizontal | Pass    |
| 1** | 1458.700        | 29.62            | -16.99      | 54.0           | 24.38       | AV       | 246.00         | 400         | Horizontal | Pass    |
| 2   | 4386.400        | 50.11            | -3.29       | 74.0           | 23.89       | Peak     | 119.00         | 100         | Horizontal | Pass    |
| 2** | 4386.400        | 41.09            | -3.29       | 54.0           | 12.91       | AV       | 119.00         | 100         | Horizontal | Pass    |
| 3   | 5256.800        | 102.81           | -1.91       | --             | --          | Peak     | 50.00          | 200         | Horizontal | N/A     |
| 3** | 5256.800        | 94.99            | -1.91       | --             | --          | AV       | 50.00          | 200         | Horizontal | N/A     |
| 4   | 7319.700        | 49.63            | -3.04       | 74.0           | 24.37       | Peak     | 123.00         | 100         | Horizontal | Pass    |
| 4** | 7319.700        | 40.97            | -3.04       | 54.0           | 13.03       | AV       | 123.00         | 100         | Horizontal | Pass    |
| 5   | 11945.862       | 53.12            | 1.51        | 74.0           | 20.88       | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 5** | 11945.862       | 43.86            | 1.51        | 54.0           | 10.14       | AV       | 227.00         | 150         | Horizontal | Pass    |
| 6   | 15781.349       | 57.91            | 1.61        | 74.0           | 16.09       | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 6** | 15781.349       | 48.04            | 1.61        | 54.0           | 5.96        | AV       | 275.00         | 150         | Horizontal | Pass    |

## 11n20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1513.900        | 38.89            | -17.24      | 74.0           | 35.11       | Peak     | 45.00          | 100         | Vertical | Pass    |
| 1** | 1513.900        | 29.73            | -17.24      | 54.0           | 24.27       | AV       | 45.00          | 100         | Vertical | Pass    |
| 2   | 4388.400        | 51.03            | -3.40       | 74.0           | 22.97       | Peak     | 289.00         | 100         | Vertical | Pass    |
| 2** | 4388.400        | 40.90            | -3.40       | 54.0           | 13.10       | AV       | 289.00         | 100         | Vertical | Pass    |
| 3   | 5258.400        | 99.64            | -1.77       | --             | --          | Peak     | 0.00           | 200         | Vertical | N/A     |
| 3** | 5258.400        | 92.13            | -1.77       | --             | --          | AV       | 0.00           | 200         | Vertical | N/A     |
| 4   | 7359.950        | 50.03            | -3.79       | 74.0           | 23.97       | Peak     | 280.00         | 100         | Vertical | Pass    |
| 4** | 7359.950        | 40.12            | -3.79       | 54.0           | 13.88       | AV       | 280.00         | 100         | Vertical | Pass    |
| 5   | 11739.437       | 53.00            | 0.80        | 74.0           | 21.00       | Peak     | 296.00         | 150         | Vertical | Pass    |
| 5** | 11739.437       | 42.10            | 0.80        | 54.0           | 11.90       | AV       | 296.00         | 150         | Vertical | Pass    |
| 6   | 15802.875       | 57.27            | 2.30        | 74.0           | 16.73       | Peak     | 270.00         | 150         | Vertical | Pass    |
| 6** | 15802.875       | 46.95            | 2.30        | 54.0           | 7.05        | AV       | 270.00         | 150         | Vertical | Pass    |

## 11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1586.500        | 38.97            | -16.90      | 74.0           | 35.03       | Peak     | 129.00         | 400         | Horizontal | Pass    |
| 1** | 1586.500        | 30.02            | -16.90      | 54.0           | 23.98       | AV       | 129.00         | 400         | Horizontal | Pass    |
| 2   | 4392.000        | 50.18            | -3.50       | 74.0           | 23.82       | Peak     | 143.00         | 300         | Horizontal | Pass    |
| 2** | 4392.000        | 41.63            | -3.50       | 54.0           | 12.37       | AV       | 143.00         | 300         | Horizontal | Pass    |
| 3   | 5301.400        | 102.70           | -2.79       | --             | --          | Peak     | 42.00          | 200         | Horizontal | N/A     |
| 3** | 5301.400        | 95.42            | -2.79       | --             | --          | AV       | 42.00          | 200         | Horizontal | N/A     |
| 4   | 7339.250        | 49.91            | -2.93       | 74.0           | 24.09       | Peak     | 310.00         | 300         | Horizontal | Pass    |
| 4** | 7339.250        | 40.93            | -2.93       | 54.0           | 13.07       | AV       | 310.00         | 300         | Horizontal | Pass    |
| 5   | 12306.099       | 53.15            | 1.38        | 74.0           | 20.85       | Peak     | 258.00         | 150         | Horizontal | Pass    |
| 5** | 12306.099       | 43.37            | 1.38        | 54.0           | 10.63       | AV       | 258.00         | 150         | Horizontal | Pass    |
| 6   | 15903.938       | 56.51            | 0.33        | 74.0           | 17.49       | Peak     | 285.00         | 400         | Horizontal | Pass    |
| 6** | 15903.938       | 48.42            | 0.33        | 54.0           | 5.58        | AV       | 285.00         | 400         | Horizontal | Pass    |

## 11n20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1522.700        | 39.02            | -17.34      | 74.0           | 34.98       | Peak     | 321.00         | 300         | Vertical | Pass    |
| 1** | 1522.700        | 29.81            | -17.34      | 54.0           | 24.19       | AV       | 321.00         | 300         | Vertical | Pass    |
| 2   | 4260.200        | 50.38            | -4.52       | 74.0           | 23.62       | Peak     | 62.00          | 100         | Vertical | Pass    |
| 2** | 4260.200        | 39.98            | -4.52       | 54.0           | 14.02       | AV       | 62.00          | 100         | Vertical | Pass    |
| 3   | 5301.400        | 99.96            | -2.79       | --             | --          | Peak     | 7.00           | 100         | Vertical | N/A     |
| 3** | 5301.400        | 92.47            | -2.79       | --             | --          | AV       | 7.00           | 100         | Vertical | N/A     |
| 4   | 7443.325        | 49.82            | -3.30       | 74.0           | 24.18       | Peak     | 277.00         | 200         | Vertical | Pass    |
| 4** | 7443.325        | 40.63            | -3.30       | 54.0           | 13.37       | AV       | 277.00         | 200         | Vertical | Pass    |
| 5   | 12396.088       | 53.38            | 1.60        | 74.0           | 20.62       | Peak     | 21.00          | 200         | Vertical | Pass    |
| 5** | 12396.088       | 44.39            | 1.60        | 54.0           | 9.61        | AV       | 21.00          | 200         | Vertical | Pass    |
| 6   | 15805.763       | 55.90            | 2.25        | 74.0           | 18.10       | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15805.763       | 47.04            | 2.25        | 54.0           | 6.96        | AV       | 360.00         | 150         | Vertical | Pass    |



## 11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1564.900        | 39.00            | -17.25      | 74.0           | 35.00       | Peak     | 212.00         | 300         | Horizontal | Pass    |
| 1** | 1564.900        | 28.79            | -17.25      | 54.0           | 25.21       | AV       | 212.00         | 300         | Horizontal | Pass    |
| 2   | 4373.400        | 50.95            | -3.81       | 74.0           | 23.05       | Peak     | 161.00         | 200         | Horizontal | Pass    |
| 2** | 4373.400        | 41.00            | -3.81       | 54.0           | 13.00       | AV       | 161.00         | 200         | Horizontal | Pass    |
| 3   | 5318.600        | 102.38           | -2.39       | --             | --          | Peak     | 53.00          | 100         | Horizontal | N/A     |
| 3** | 5318.600        | 95.23            | -2.39       | --             | --          | AV       | 53.00          | 100         | Horizontal | N/A     |
| 4   | 7450.800        | 50.26            | -3.19       | 74.0           | 23.74       | Peak     | 158.00         | 400         | Horizontal | Pass    |
| 4** | 7450.800        | 40.10            | -3.19       | 54.0           | 13.90       | AV       | 158.00         | 400         | Horizontal | Pass    |
| 5   | 12339.738       | 53.65            | 1.29        | 74.0           | 20.35       | Peak     | 194.00         | 100         | Horizontal | Pass    |
| 5** | 12339.738       | 43.46            | 1.29        | 54.0           | 10.54       | AV       | 194.00         | 100         | Horizontal | Pass    |
| 6   | 15959.588       | 56.82            | 0.12        | 74.0           | 17.18       | Peak     | 284.00         | 150         | Horizontal | Pass    |
| 6** | 15959.588       | 47.75            | 0.12        | 54.0           | 6.25        | AV       | 284.00         | 150         | Horizontal | Pass    |

## 11n20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1506.300        | 38.72            | -16.83      | 74.0           | 35.28       | Peak     | 147.00         | 100         | Vertical | Pass    |
| 1** | 1506.300        | 29.56            | -16.83      | 54.0           | 24.44       | AV       | 147.00         | 100         | Vertical | Pass    |
| 2   | 4380.600        | 50.83            | -3.42       | 74.0           | 23.17       | Peak     | 343.00         | 100         | Vertical | Pass    |
| 2** | 4380.600        | 42.39            | -3.42       | 54.0           | 11.61       | AV       | 343.00         | 100         | Vertical | Pass    |
| 3   | 5321.800        | 99.79            | -2.16       | --             | --          | Peak     | 8.00           | 200         | Vertical | N/A     |
| 3** | 5321.800        | 92.05            | -2.16       | --             | --          | AV       | 8.00           | 200         | Vertical | N/A     |
| 4   | 7626.462        | 50.51            | -2.69       | 74.0           | 23.49       | Peak     | 11.00          | 100         | Vertical | Pass    |
| 4** | 7626.462        | 40.27            | -2.69       | 54.0           | 13.73       | AV       | 11.00          | 100         | Vertical | Pass    |
| 5   | 12322.775       | 52.84            | 1.42        | 74.0           | 21.16       | Peak     | 49.00          | 200         | Vertical | Pass    |
| 5** | 12322.775       | 43.90            | 1.42        | 54.0           | 10.10       | AV       | 49.00          | 200         | Vertical | Pass    |
| 6   | 15959.063       | 57.72            | 0.11        | 74.0           | 16.28       | Peak     | 265.00         | 200         | Vertical | Pass    |
| 6** | 15959.063       | 47.23            | 0.11        | 54.0           | 6.77        | AV       | 265.00         | 200         | Vertical | Pass    |

## 11n40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1571.300        | 39.06            | -17.03      | 74.0           | 34.94       | Peak     | 252.00         | 300         | Horizontal | Pass    |
| 1** | 1571.300        | 29.22            | -17.03      | 54.0           | 24.78       | AV       | 252.00         | 300         | Horizontal | Pass    |
| 2   | 4390.200        | 50.43            | -3.31       | 74.0           | 23.57       | Peak     | 282.00         | 300         | Horizontal | Pass    |
| 2** | 4390.200        | 41.32            | -3.31       | 54.0           | 12.68       | AV       | 282.00         | 300         | Horizontal | Pass    |
| 3   | 5275.800        | 98.82            | -2.58       | --             | --          | Peak     | 51.00          | 200         | Horizontal | N/A     |
| 3** | 5275.800        | 90.93            | -2.58       | --             | --          | AV       | 51.00          | 200         | Horizontal | N/A     |
| 4   | 7348.738        | 49.58            | -3.74       | 74.0           | 24.42       | Peak     | 57.00          | 100         | Horizontal | Pass    |
| 4** | 7348.738        | 40.36            | -3.74       | 54.0           | 13.64       | AV       | 57.00          | 100         | Horizontal | Pass    |
| 5   | 11626.450       | 53.39            | -0.15       | 74.0           | 20.61       | Peak     | 227.00         | 200         | Horizontal | Pass    |
| 5** | 11626.450       | 42.91            | -0.15       | 54.0           | 11.09       | AV       | 227.00         | 200         | Horizontal | Pass    |
| 6   | 15831.750       | 55.76            | 1.48        | 74.0           | 18.24       | Peak     | 179.00         | 400         | Horizontal | Pass    |
| 6** | 15831.750       | 46.29            | 1.48        | 54.0           | 7.71        | AV       | 179.00         | 400         | Horizontal | Pass    |

## 11n40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1581.900        | 39.44            | -17.10      | 74.0           | 34.56       | Peak     | 98.00          | 300         | Vertical | Pass    |
| 1** | 1581.900        | 29.23            | -17.10      | 54.0           | 24.77       | AV       | 98.00          | 300         | Vertical | Pass    |
| 2   | 4376.800        | 50.27            | -3.78       | 74.0           | 23.73       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 2** | 4376.800        | 41.17            | -3.78       | 54.0           | 12.83       | AV       | 360.00         | 200         | Vertical | Pass    |
| 3   | 5271.600        | 96.55            | -2.61       | --             | --          | Peak     | 0.00           | 100         | Vertical | N/A     |
| 3** | 5271.600        | 89.37            | -2.61       | --             | --          | AV       | 0.00           | 100         | Vertical | N/A     |
| 4   | 7349.025        | 49.65            | -3.72       | 74.0           | 24.35       | Peak     | 62.00          | 300         | Vertical | Pass    |
| 4** | 7349.025        | 40.28            | -3.72       | 54.0           | 13.72       | AV       | 62.00          | 300         | Vertical | Pass    |
| 5   | 12243.425       | 52.82            | 1.03        | 74.0           | 21.18       | Peak     | 329.00         | 200         | Vertical | Pass    |
| 5** | 12243.425       | 43.46            | 1.03        | 54.0           | 10.54       | AV       | 329.00         | 200         | Vertical | Pass    |
| 6   | 15824.400       | 56.09            | 1.67        | 74.0           | 17.91       | Peak     | 158.00         | 300         | Vertical | Pass    |
| 6** | 15824.400       | 46.39            | 1.67        | 54.0           | 7.61        | AV       | 158.00         | 300         | Vertical | Pass    |

## 11n40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1541.500        | 39.17            | -17.06      | 74.0           | 34.83       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 1** | 1541.500        | 28.95            | -17.06      | 54.0           | 25.05       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 2   | 4381.000        | 50.20            | -3.49       | 74.0           | 23.80       | Peak     | 287.00         | 100         | Horizontal | Pass    |
| 2** | 4381.000        | 42.15            | -3.49       | 54.0           | 11.85       | AV       | 287.00         | 100         | Horizontal | Pass    |
| 3   | 5313.200        | 99.32            | -2.34       | --             | --          | Peak     | 54.00          | 200         | Horizontal | N/A     |
| 3** | 5313.200        | 91.72            | -2.34       | --             | --          | AV       | 54.00          | 200         | Horizontal | N/A     |
| 4   | 7320.563        | 49.74            | -3.09       | 74.0           | 24.26       | Peak     | 165.00         | 200         | Horizontal | Pass    |
| 4** | 7320.563        | 40.10            | -3.09       | 54.0           | 13.90       | AV       | 165.00         | 200         | Horizontal | Pass    |
| 5   | 12268.151       | 53.48            | 1.39        | 74.0           | 20.52       | Peak     | 143.00         | 200         | Horizontal | Pass    |
| 5** | 12268.151       | 43.94            | 1.39        | 54.0           | 10.06       | AV       | 143.00         | 200         | Horizontal | Pass    |
| 6   | 15523.575       | 56.08            | 1.39        | 74.0           | 17.92       | Peak     | 131.00         | 100         | Horizontal | Pass    |
| 6** | 15523.575       | 46.41            | 1.39        | 54.0           | 7.59        | AV       | 131.00         | 100         | Horizontal | Pass    |

## 11n40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1465.600        | 39.15            | -17.39      | 74.0           | 34.85       | Peak     | 60.00          | 300         | Vertical | Pass    |
| 1** | 1465.600        | 29.88            | -17.39      | 54.0           | 24.12       | AV       | 60.00          | 300         | Vertical | Pass    |
| 2   | 4380.400        | 50.09            | -3.39       | 74.0           | 23.91       | Peak     | 330.00         | 300         | Vertical | Pass    |
| 2** | 4380.400        | 41.76            | -3.39       | 54.0           | 12.24       | AV       | 330.00         | 300         | Vertical | Pass    |
| 3   | 5312.800        | 97.79            | -2.34       | --             | --          | Peak     | 10.00          | 150         | Vertical | N/A     |
| 3** | 5312.800        | 90.17            | -2.34       | --             | --          | AV       | 10.00          | 150         | Vertical | N/A     |
| 4   | 7336.088        | 49.87            | -3.18       | 74.0           | 24.13       | Peak     | 302.00         | 300         | Vertical | Pass    |
| 4** | 7336.088        | 40.59            | -3.18       | 54.0           | 13.41       | AV       | 302.00         | 300         | Vertical | Pass    |
| 5   | 11901.587       | 52.76            | 1.69        | 74.0           | 21.24       | Peak     | 10.00          | 200         | Vertical | Pass    |
| 5** | 11901.587       | 42.82            | 1.69        | 54.0           | 11.18       | AV       | 10.00          | 200         | Vertical | Pass    |
| 6   | 15791.588       | 56.32            | 2.06        | 74.0           | 17.68       | Peak     | 256.00         | 300         | Vertical | Pass    |
| 6** | 15791.588       | 46.82            | 2.06        | 54.0           | 7.18        | AV       | 256.00         | 300         | Vertical | Pass    |

## 11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1506.800        | 39.51            | -16.82      | 74.0           | 34.49       | Peak     | 51.00          | 300         | Horizontal | Pass    |
| 1** | 1506.800        | 30.21            | -16.82      | 54.0           | 23.79       | AV       | 51.00          | 300         | Horizontal | Pass    |
| 2   | 4230.800        | 49.92            | -3.80       | 74.0           | 24.08       | Peak     | 83.00          | 300         | Horizontal | Pass    |
| 2** | 4230.800        | 39.96            | -3.80       | 54.0           | 14.04       | AV       | 83.00          | 300         | Horizontal | Pass    |
| 3   | 5261.600        | 102.01           | -2.08       | --             | --          | Peak     | 57.00          | 200         | Horizontal | N/A     |
| 3** | 5261.600        | 94.53            | -2.08       | --             | --          | AV       | 57.00          | 200         | Horizontal | N/A     |
| 4   | 7365.987        | 49.76            | -3.47       | 74.0           | 24.24       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 4** | 7365.987        | 40.44            | -3.47       | 54.0           | 13.56       | AV       | 360.00         | 400         | Horizontal | Pass    |
| 5   | 12505.912       | 53.11            | 1.67        | 74.0           | 20.89       | Peak     | 110.00         | 200         | Horizontal | Pass    |
| 5** | 12505.912       | 43.02            | 1.67        | 54.0           | 10.98       | AV       | 110.00         | 200         | Horizontal | Pass    |
| 6   | 15785.550       | 58.89            | 1.83        | 74.0           | 15.11       | Peak     | 292.00         | 400         | Horizontal | Pass    |
| 6** | 15785.550       | 47.35            | 1.83        | 54.0           | 6.65        | AV       | 292.00         | 400         | Horizontal | Pass    |

## 11ac20, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1567.400        | 39.14            | -17.13      | 74.0           | 34.86       | Peak     | 93.00          | 200         | Vertical | Pass    |
| 1** | 1567.400        | 29.01            | -17.13      | 54.0           | 24.99       | AV       | 93.00          | 200         | Vertical | Pass    |
| 2   | 4385.600        | 50.83            | -3.36       | 74.0           | 23.17       | Peak     | 251.00         | 400         | Vertical | Pass    |
| 2** | 4385.600        | 41.60            | -3.36       | 54.0           | 12.40       | AV       | 251.00         | 400         | Vertical | Pass    |
| 3   | 5258.600        | 99.39            | -1.77       | --             | --          | Peak     | 0.00           | 200         | Vertical | N/A     |
| 3** | 5258.600        | 92.00            | -1.77       | --             | --          | AV       | 0.00           | 200         | Vertical | N/A     |
| 4   | 7346.725        | 49.33            | -3.60       | 74.0           | 24.67       | Peak     | 267.00         | 400         | Vertical | Pass    |
| 4** | 7346.725        | 40.61            | -3.60       | 54.0           | 13.39       | AV       | 267.00         | 400         | Vertical | Pass    |
| 5   | 12421.675       | 53.16            | 1.40        | 74.0           | 20.84       | Peak     | 129.00         | 200         | Vertical | Pass    |
| 5** | 12421.675       | 43.84            | 1.40        | 54.0           | 10.16       | AV       | 129.00         | 200         | Vertical | Pass    |
| 6   | 16089.787       | 57.27            | 1.44        | 74.0           | 16.73       | Peak     | 308.00         | 200         | Vertical | Pass    |
| 6** | 16089.787       | 47.52            | 1.44        | 54.0           | 6.48        | AV       | 308.00         | 200         | Vertical | Pass    |

## 11ac20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1480.100        | 38.87            | -17.16      | 74.0           | 35.13       | Peak     | 84.00          | 100         | Horizontal | Pass    |
| 1** | 1480.100        | 29.27            | -17.16      | 54.0           | 24.73       | AV       | 84.00          | 100         | Horizontal | Pass    |
| 2   | 4399.000        | 50.11            | -4.63       | 74.0           | 23.89       | Peak     | 10.00          | 100         | Horizontal | Pass    |
| 2** | 4399.000        | 40.39            | -4.63       | 54.0           | 13.61       | AV       | 10.00          | 100         | Horizontal | Pass    |
| 3   | 5301.000        | 101.88           | -2.84       | --             | --          | Peak     | 50.00          | 100         | Horizontal | N/A     |
| 3** | 5301.000        | 94.56            | -2.84       | --             | --          | AV       | 50.00          | 100         | Horizontal | N/A     |
| 4   | 7343.275        | 49.76            | -3.35       | 74.0           | 24.24       | Peak     | 74.00          | 200         | Horizontal | Pass    |
| 4** | 7343.275        | 40.69            | -3.35       | 54.0           | 13.31       | AV       | 74.00          | 200         | Horizontal | Pass    |
| 5   | 12280.513       | 53.65            | 1.80        | 74.0           | 20.35       | Peak     | 17.00          | 200         | Horizontal | Pass    |
| 5** | 12280.513       | 44.55            | 1.80        | 54.0           | 9.45        | AV       | 17.00          | 200         | Horizontal | Pass    |
| 6   | 15892.650       | 55.92            | 0.20        | 74.0           | 18.08       | Peak     | 272.00         | 300         | Horizontal | Pass    |
| 6** | 15892.650       | 45.85            | 0.20        | 54.0           | 8.15        | AV       | 272.00         | 300         | Horizontal | Pass    |

## 11ac20, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1544.000        | 38.69            | -17.27      | 74.0           | 35.31       | Peak     | 179.00         | 200         | Vertical | Pass    |
| 1** | 1544.000        | 29.73            | -17.27      | 54.0           | 24.27       | AV       | 179.00         | 200         | Vertical | Pass    |
| 2   | 4370.600        | 50.59            | -4.15       | 74.0           | 23.41       | Peak     | 98.00          | 300         | Vertical | Pass    |
| 2** | 4370.600        | 40.29            | -4.15       | 54.0           | 13.71       | AV       | 98.00          | 300         | Vertical | Pass    |
| 3   | 5302.400        | 98.81            | -2.72       | --             | --          | Peak     | 10.00          | 200         | Vertical | N/A     |
| 3** | 5302.400        | 91.78            | -2.72       | --             | --          | AV       | 10.00          | 200         | Vertical | N/A     |
| 4   | 7365.700        | 50.38            | -3.41       | 74.0           | 23.62       | Peak     | 43.00          | 100         | Vertical | Pass    |
| 4** | 7365.700        | 40.28            | -3.41       | 54.0           | 13.72       | AV       | 43.00          | 100         | Vertical | Pass    |
| 5   | 12302.075       | 53.26            | 1.44        | 74.0           | 20.74       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 5** | 12302.075       | 43.29            | 1.44        | 54.0           | 10.71       | AV       | 0.00           | 200         | Vertical | Pass    |
| 6   | 16165.913       | 56.03            | 1.05        | 74.0           | 17.97       | Peak     | 68.00          | 100         | Vertical | Pass    |
| 6** | 16165.913       | 46.26            | 1.05        | 54.0           | 7.74        | AV       | 68.00          | 100         | Vertical | Pass    |

## 11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1545.100        | 39.44            | -17.22      | 74.0           | 34.56       | Peak     | 246.00         | 300         | Horizontal | Pass    |
| 1** | 1545.100        | 29.27            | -17.22      | 54.0           | 24.73       | AV       | 246.00         | 300         | Horizontal | Pass    |
| 2   | 4385.600        | 50.95            | -3.36       | 74.0           | 23.05       | Peak     | 111.00         | 200         | Horizontal | Pass    |
| 2** | 4385.600        | 41.13            | -3.36       | 54.0           | 12.87       | AV       | 111.00         | 200         | Horizontal | Pass    |
| 3   | 5320.400        | 102.46           | -2.34       | --             | --          | Peak     | 293.00         | 150         | Horizontal | N/A     |
| 3** | 5320.400        | 93.92            | -2.34       | --             | --          | AV       | 293.00         | 150         | Horizontal | N/A     |
| 4   | 7464.888        | 50.02            | -3.45       | 74.0           | 23.98       | Peak     | 69.00          | 200         | Horizontal | Pass    |
| 4** | 7464.888        | 39.57            | -3.45       | 54.0           | 14.43       | AV       | 69.00          | 200         | Horizontal | Pass    |
| 5   | 11950.175       | 53.98            | 1.39        | 74.0           | 20.02       | Peak     | 195.00         | 200         | Horizontal | Pass    |
| 5** | 11950.175       | 43.58            | 1.39        | 54.0           | 10.42       | AV       | 195.00         | 200         | Horizontal | Pass    |
| 6   | 15954.076       | 56.20            | -0.01       | 74.0           | 17.80       | Peak     | 273.00         | 200         | Horizontal | Pass    |
| 6** | 15954.076       | 49.03            | -0.01       | 54.0           | 4.97        | AV       | 273.00         | 200         | Horizontal | Pass    |

## 11ac20, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1510.500        | 39.48            | -17.20      | 74.0           | 34.52       | Peak     | 98.00          | 100         | Vertical | Pass    |
| 1** | 1510.500        | 29.66            | -17.20      | 54.0           | 24.34       | AV       | 98.00          | 100         | Vertical | Pass    |
| 2   | 4379.400        | 50.71            | -3.32       | 74.0           | 23.29       | Peak     | 220.00         | 200         | Vertical | Pass    |
| 2** | 4379.400        | 42.42            | -3.32       | 54.0           | 11.58       | AV       | 220.00         | 200         | Vertical | Pass    |
| 3   | 5319.000        | 99.56            | -2.33       | --             | --          | Peak     | 8.00           | 150         | Vertical | N/A     |
| 3** | 5319.000        | 92.91            | -2.33       | --             | --          | AV       | 8.00           | 150         | Vertical | N/A     |
| 4   | 7340.975        | 49.70            | -3.07       | 74.0           | 24.30       | Peak     | 103.00         | 100         | Vertical | Pass    |
| 4** | 7340.975        | 40.91            | -3.07       | 54.0           | 13.09       | AV       | 103.00         | 100         | Vertical | Pass    |
| 5   | 12227.613       | 52.84            | 1.31        | 74.0           | 21.16       | Peak     | 103.00         | 150         | Vertical | Pass    |
| 5** | 12227.613       | 43.70            | 1.31        | 54.0           | 10.30       | AV       | 103.00         | 150         | Vertical | Pass    |
| 6   | 15496.800       | 56.17            | 1.09        | 74.0           | 17.83       | Peak     | 324.00         | 100         | Vertical | Pass    |
| 6** | 15496.800       | 46.18            | 1.09        | 54.0           | 7.82        | AV       | 324.00         | 100         | Vertical | Pass    |

## 11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1490.400        | 38.59            | -16.76      | 74.0           | 35.41       | Peak     | 121.00         | 400         | Horizontal | Pass    |
| 1** | 1490.400        | 29.47            | -16.76      | 54.0           | 24.53       | AV       | 121.00         | 400         | Horizontal | Pass    |
| 2   | 4380.000        | 49.83            | -3.32       | 74.0           | 24.17       | Peak     | 70.00          | 300         | Horizontal | Pass    |
| 2** | 4380.000        | 41.44            | -3.32       | 54.0           | 12.56       | AV       | 70.00          | 300         | Horizontal | Pass    |
| 3   | 5274.600        | 98.96            | -2.59       | --             | --          | Peak     | 45.00          | 150         | Horizontal | N/A     |
| 3** | 5274.600        | 91.22            | -2.59       | --             | --          | AV       | 45.00          | 150         | Horizontal | N/A     |
| 4   | 7629.913        | 49.92            | -2.93       | 74.0           | 24.08       | Peak     | 83.00          | 300         | Horizontal | Pass    |
| 4** | 7629.913        | 40.19            | -2.93       | 54.0           | 13.81       | AV       | 83.00          | 300         | Horizontal | Pass    |
| 5   | 11791.762       | 52.98            | 0.96        | 74.0           | 21.02       | Peak     | 3.00           | 150         | Horizontal | Pass    |
| 5** | 11791.762       | 42.66            | 0.96        | 54.0           | 11.34       | AV       | 3.00           | 150         | Horizontal | Pass    |
| 6   | 15847.500       | 56.15            | 1.35        | 74.0           | 17.85       | Peak     | 43.00          | 200         | Horizontal | Pass    |
| 6** | 15847.500       | 46.24            | 1.35        | 54.0           | 7.76        | AV       | 43.00          | 200         | Horizontal | Pass    |

## 11ac40, U-NII-2A, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1596.200        | 38.70            | -17.07      | 74.0           | 35.30       | Peak     | 29.00          | 300         | Vertical | Pass    |
| 1** | 1596.200        | 29.20            | -17.07      | 54.0           | 24.80       | AV       | 29.00          | 300         | Vertical | Pass    |
| 2   | 4380.000        | 50.15            | -3.32       | 74.0           | 23.85       | Peak     | 164.00         | 200         | Vertical | Pass    |
| 2** | 4380.000        | 41.85            | -3.32       | 54.0           | 12.15       | AV       | 164.00         | 200         | Vertical | Pass    |
| 3   | 5273.000        | 96.43            | -2.65       | --             | --          | Peak     | 9.00           | 200         | Vertical | N/A     |
| 3** | 5273.000        | 89.34            | -2.65       | --             | --          | AV       | 9.00           | 200         | Vertical | N/A     |
| 4   | 7625.888        | 50.02            | -2.77       | 74.0           | 23.98       | Peak     | 115.00         | 400         | Vertical | Pass    |
| 4** | 7625.888        | 40.19            | -2.77       | 54.0           | 13.81       | AV       | 115.00         | 400         | Vertical | Pass    |
| 5   | 12285.975       | 53.06            | 1.75        | 74.0           | 20.94       | Peak     | 277.00         | 100         | Vertical | Pass    |
| 5** | 12285.975       | 44.11            | 1.75        | 54.0           | 9.89        | AV       | 277.00         | 100         | Vertical | Pass    |
| 6   | 15818.625       | 55.67            | 1.93        | 74.0           | 18.33       | Peak     | 155.00         | 100         | Vertical | Pass    |
| 6** | 15818.625       | 46.33            | 1.93        | 54.0           | 7.67        | AV       | 155.00         | 100         | Vertical | Pass    |

## 11ac40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1591.800        | 38.62            | -17.35      | 74.0           | 35.38       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 1** | 1591.800        | 29.04            | -17.35      | 54.0           | 24.96       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 2   | 4379.800        | 50.25            | -3.28       | 74.0           | 23.75       | Peak     | 186.00         | 100         | Horizontal | Pass    |
| 2** | 4379.800        | 41.23            | -3.28       | 54.0           | 12.77       | AV       | 186.00         | 100         | Horizontal | Pass    |
| 3   | 5308.000        | 100.35           | -2.32       | --             | --          | Peak     | 54.00          | 200         | Horizontal | N/A     |
| 3** | 5308.000        | 92.60            | -2.32       | --             | --          | AV       | 54.00          | 200         | Horizontal | N/A     |
| 4   | 7338.962        | 49.35            | -2.92       | 74.0           | 24.65       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 4** | 7338.962        | 41.49            | -2.92       | 54.0           | 12.51       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 5   | 12263.838       | 53.51            | 1.24        | 74.0           | 20.49       | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 5** | 12263.838       | 43.24            | 1.24        | 54.0           | 10.76       | AV       | 88.00          | 150         | Horizontal | Pass    |
| 6   | 15848.025       | 55.62            | 1.35        | 74.0           | 18.38       | Peak     | 339.00         | 300         | Horizontal | Pass    |
| 6** | 15848.025       | 46.83            | 1.35        | 54.0           | 7.17        | AV       | 339.00         | 300         | Horizontal | Pass    |

## 11ac40, U-NII-2A, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1563.900        | 39.50            | -17.23      | 74.0           | 34.50       | Peak     | 148.00         | 200         | Vertical | Pass    |
| 1** | 1563.900        | 29.54            | -17.23      | 54.0           | 24.46       | AV       | 148.00         | 200         | Vertical | Pass    |
| 2   | 4379.200        | 49.74            | -3.34       | 74.0           | 24.26       | Peak     | 284.00         | 100         | Vertical | Pass    |
| 2** | 4379.200        | 41.55            | -3.34       | 54.0           | 12.45       | AV       | 284.00         | 100         | Vertical | Pass    |
| 3   | 5308.400        | 97.48            | -2.28       | --             | --          | Peak     | 9.00           | 200         | Vertical | N/A     |
| 3** | 5308.400        | 89.83            | -2.28       | --             | --          | AV       | 9.00           | 200         | Vertical | N/A     |
| 4   | 7674.475        | 49.96            | -2.40       | 74.0           | 24.04       | Peak     | 66.00          | 100         | Vertical | Pass    |
| 4** | 7674.475        | 40.70            | -2.40       | 54.0           | 13.30       | AV       | 66.00          | 100         | Vertical | Pass    |
| 5   | 11956.500       | 53.28            | 1.09        | 74.0           | 20.72       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 11956.500       | 44.07            | 1.09        | 54.0           | 9.93        | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 16008.674       | 56.20            | 0.41        | 74.0           | 17.80       | Peak     | 45.00          | 200         | Vertical | Pass    |
| 6** | 16008.674       | 46.07            | 0.41        | 54.0           | 7.93        | AV       | 45.00          | 200         | Vertical | Pass    |



## 11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1502.000        | 38.63            | -17.00      | 74.0           | 35.37       | Peak     | 54.00          | 300         | Horizontal | Pass    |
| 1** | 1502.000        | 29.39            | -17.00      | 54.0           | 24.61       | AV       | 54.00          | 300         | Horizontal | Pass    |
| 2   | 4391.600        | 50.81            | -3.45       | 74.0           | 23.19       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 2** | 4391.600        | 41.96            | -3.45       | 54.0           | 12.04       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 3   | 5287.400        | 97.11            | -2.68       | --             | --          | Peak     | 56.00          | 150         | Horizontal | N/A     |
| 3** | 5287.400        | 89.52            | -2.68       | --             | --          | AV       | 56.00          | 150         | Horizontal | N/A     |
| 4   | 7338.387        | 50.64            | -2.90       | 74.0           | 23.36       | Peak     | 247.00         | 200         | Horizontal | Pass    |
| 4** | 7338.387        | 41.71            | -2.90       | 54.0           | 12.29       | AV       | 247.00         | 200         | Horizontal | Pass    |
| 5   | 11677.050       | 53.29            | 0.22        | 74.0           | 20.71       | Peak     | 100.00         | 200         | Horizontal | Pass    |
| 5** | 11677.050       | 42.68            | 0.22        | 54.0           | 11.32       | AV       | 100.00         | 200         | Horizontal | Pass    |
| 6   | 15849.075       | 55.95            | 1.34        | 74.0           | 18.05       | Peak     | 146.00         | 300         | Horizontal | Pass    |
| 6** | 15849.075       | 47.11            | 1.34        | 54.0           | 6.89        | AV       | 146.00         | 300         | Horizontal | Pass    |

## 11ac80, U-NII-2A, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1563.900        | 38.67            | -17.23      | 74.0           | 35.33       | Peak     | 69.00          | 200         | Vertical | Pass    |
| 1** | 1563.900        | 29.10            | -17.23      | 54.0           | 24.90       | AV       | 69.00          | 200         | Vertical | Pass    |
| 2   | 4379.400        | 50.00            | -3.32       | 74.0           | 24.00       | Peak     | 125.00         | 100         | Vertical | Pass    |
| 2** | 4379.400        | 41.99            | -3.32       | 54.0           | 12.01       | AV       | 125.00         | 100         | Vertical | Pass    |
| 3   | 5278.600        | 93.43            | -2.41       | --             | --          | Peak     | 9.00           | 150         | Vertical | N/A     |
| 3** | 5278.600        | 86.28            | -2.41       | --             | --          | AV       | 9.00           | 150         | Vertical | N/A     |
| 4   | 7333.212        | 49.49            | -3.14       | 74.0           | 24.51       | Peak     | 67.00          | 400         | Vertical | Pass    |
| 4** | 7333.212        | 40.53            | -3.14       | 54.0           | 13.47       | AV       | 67.00          | 400         | Vertical | Pass    |
| 5   | 11932.349       | 52.62            | 1.62        | 74.0           | 21.38       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 11932.349       | 43.37            | 1.62        | 54.0           | 10.63       | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15804.975       | 56.24            | 2.27        | 74.0           | 17.76       | Peak     | 166.00         | 400         | Vertical | Pass    |
| 6** | 15804.975       | 47.04            | 2.27        | 54.0           | 6.96        | AV       | 166.00         | 400         | Vertical | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1528.100        | 38.61            | -17.01      | 74.0           | 35.39       | Peak     | 192.00         | 200         | Horizontal | Pass    |
| 1** | 1528.100        | 29.77            | -17.01      | 54.0           | 24.23       | AV       | 192.00         | 200         | Horizontal | Pass    |
| 2   | 4379.600        | 51.06            | -3.30       | 74.0           | 22.94       | Peak     | 46.00          | 100         | Horizontal | Pass    |
| 2** | 4379.600        | 41.48            | -3.30       | 54.0           | 12.52       | AV       | 46.00          | 100         | Horizontal | Pass    |
| 3   | 5502.200        | 105.28           | -1.37       | --             | --          | Peak     | 264.00         | 200         | Horizontal | N/A     |
| 3** | 5502.200        | 97.32            | -1.37       | --             | --          | AV       | 264.00         | 200         | Horizontal | N/A     |
| 4   | 7339.537        | 49.51            | -2.93       | 74.0           | 24.49       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 4** | 7339.537        | 40.89            | -2.93       | 54.0           | 13.11       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 5   | 12444.387       | 53.08            | 1.81        | 74.0           | 20.92       | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 5** | 12444.387       | 42.93            | 1.81        | 54.0           | 11.07       | AV       | 47.00          | 150         | Horizontal | Pass    |
| 6   | 16040.438       | 55.98            | 0.79        | 74.0           | 18.02       | Peak     | 219.00         | 100         | Horizontal | Pass    |
| 6** | 16040.438       | 46.67            | 0.79        | 54.0           | 7.33        | AV       | 219.00         | 100         | Horizontal | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1577.900        | 38.71            | -17.45      | 74.0           | 35.29       | Peak     | 86.00          | 300         | Vertical | Pass    |
| 1** | 1577.900        | 29.16            | -17.45      | 54.0           | 24.84       | AV       | 86.00          | 300         | Vertical | Pass    |
| 2   | 4283.400        | 50.89            | -4.42       | 74.0           | 23.11       | Peak     | 57.00          | 200         | Vertical | Pass    |
| 2** | 4283.400        | 40.26            | -4.42       | 54.0           | 13.74       | AV       | 57.00          | 200         | Vertical | Pass    |
| 3   | 5503.200        | 97.85            | -1.36       | --             | --          | Peak     | 20.00          | 200         | Vertical | N/A     |
| 3** | 5503.200        | 89.92            | -1.36       | --             | --          | AV       | 20.00          | 200         | Vertical | N/A     |
| 4   | 7672.175        | 49.73            | -2.42       | 74.0           | 24.27       | Peak     | 156.00         | 200         | Vertical | Pass    |
| 4** | 7672.175        | 40.41            | -2.42       | 54.0           | 13.59       | AV       | 156.00         | 200         | Vertical | Pass    |
| 5   | 12349.225       | 53.19            | 1.23        | 74.0           | 20.81       | Peak     | 156.00         | 200         | Vertical | Pass    |
| 5** | 12349.225       | 44.46            | 1.23        | 54.0           | 9.54        | AV       | 156.00         | 200         | Vertical | Pass    |
| 6   | 15842.775       | 56.35            | 1.40        | 74.0           | 17.65       | Peak     | 115.00         | 100         | Vertical | Pass    |
| 6** | 15842.775       | 46.96            | 1.40        | 54.0           | 7.04        | AV       | 115.00         | 100         | Vertical | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1506.200        | 38.60            | -16.83      | 74.0           | 35.40       | Peak     | 302.00         | 100         | Horizontal | Pass    |
| 1** | 1506.200        | 30.35            | -16.83      | 54.0           | 23.65       | AV       | 302.00         | 100         | Horizontal | Pass    |
| 2   | 4388.400        | 50.79            | -3.40       | 74.0           | 23.21       | Peak     | 182.00         | 400         | Horizontal | Pass    |
| 2** | 4388.400        | 41.52            | -3.40       | 54.0           | 12.48       | AV       | 182.00         | 400         | Horizontal | Pass    |
| 3   | 5578.800        | 104.90           | -1.61       | --             | --          | Peak     | 267.00         | 100         | Horizontal | N/A     |
| 3** | 5578.800        | 98.00            | -1.61       | --             | --          | AV       | 267.00         | 100         | Horizontal | N/A     |
| 4   | 7452.237        | 49.33            | -3.16       | 74.0           | 24.67       | Peak     | 129.00         | 200         | Horizontal | Pass    |
| 4** | 7452.237        | 40.34            | -3.16       | 54.0           | 13.66       | AV       | 129.00         | 200         | Horizontal | Pass    |
| 5   | 12584.688       | 52.94            | 1.61        | 74.0           | 21.06       | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 5** | 12584.688       | 43.22            | 1.61        | 54.0           | 10.78       | AV       | 129.00         | 150         | Horizontal | Pass    |
| 6   | 15803.138       | 56.58            | 2.29        | 74.0           | 17.42       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 15803.138       | 46.99            | 2.29        | 54.0           | 7.01        | AV       | 360.00         | 300         | Horizontal | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1487.500        | 39.01            | -16.81      | 74.0           | 34.99       | Peak     | 356.00         | 300         | Vertical | Pass    |
| 1** | 1487.500        | 29.75            | -16.81      | 54.0           | 24.25       | AV       | 356.00         | 300         | Vertical | Pass    |
| 2   | 4257.000        | 50.85            | -4.58       | 74.0           | 23.15       | Peak     | 346.00         | 400         | Vertical | Pass    |
| 2** | 4257.000        | 40.23            | -4.58       | 54.0           | 13.77       | AV       | 346.00         | 400         | Vertical | Pass    |
| 3   | 5578.400        | 98.30            | -1.60       | --             | --          | Peak     | 238.00         | 200         | Vertical | N/A     |
| 3** | 5578.400        | 90.83            | -1.60       | --             | --          | AV       | 238.00         | 200         | Vertical | N/A     |
| 4   | 7431.250        | 50.49            | -3.51       | 74.0           | 23.51       | Peak     | 155.00         | 300         | Vertical | Pass    |
| 4** | 7431.250        | 39.58            | -3.51       | 54.0           | 14.42       | AV       | 155.00         | 300         | Vertical | Pass    |
| 5   | 12624.362       | 53.19            | 1.62        | 74.0           | 20.81       | Peak     | 293.00         | 150         | Vertical | Pass    |
| 5** | 12624.362       | 43.87            | 1.62        | 54.0           | 10.13       | AV       | 293.00         | 150         | Vertical | Pass    |
| 6   | 15811.800       | 55.85            | 2.13        | 74.0           | 18.15       | Peak     | 224.00         | 100         | Vertical | Pass    |
| 6** | 15811.800       | 46.51            | 2.13        | 54.0           | 7.49        | AV       | 224.00         | 100         | Vertical | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1501.900        | 38.99            | -16.99      | 74.0           | 35.01       | Peak     | 55.00          | 300         | Horizontal | Pass    |
| 1** | 1501.900        | 29.70            | -16.99      | 54.0           | 24.30       | AV       | 55.00          | 300         | Horizontal | Pass    |
| 2   | 4385.400        | 50.10            | -3.40       | 74.0           | 23.90       | Peak     | 141.00         | 400         | Horizontal | Pass    |
| 2** | 4385.400        | 41.69            | -3.40       | 54.0           | 12.31       | AV       | 141.00         | 400         | Horizontal | Pass    |
| 3   | 5699.000        | 102.81           | -0.98       | --             | --          | Peak     | 292.00         | 100         | Horizontal | N/A     |
| 3** | 5699.000        | 95.22            | -0.98       | --             | --          | AV       | 292.00         | 100         | Horizontal | N/A     |
| 4   | 7687.413        | 49.69            | -2.12       | 74.0           | 24.31       | Peak     | 164.00         | 200         | Horizontal | Pass    |
| 4** | 7687.413        | 40.60            | -2.12       | 54.0           | 13.40       | AV       | 164.00         | 200         | Horizontal | Pass    |
| 5   | 12607.400       | 54.14            | 1.90        | 74.0           | 19.86       | Peak     | 295.00         | 100         | Horizontal | Pass    |
| 5** | 12607.400       | 44.75            | 1.90        | 54.0           | 9.25        | AV       | 295.00         | 100         | Horizontal | Pass    |
| 6   | 16032.037       | 56.58            | 0.73        | 74.0           | 17.42       | Peak     | 105.00         | 200         | Horizontal | Pass    |
| 6** | 16032.037       | 46.49            | 0.73        | 54.0           | 7.51        | AV       | 105.00         | 200         | Horizontal | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1620.900        | 38.68            | -17.08      | 74.0           | 35.32       | Peak     | 267.00         | 200         | Vertical | Pass    |
| 1** | 1620.900        | 29.76            | -17.08      | 54.0           | 24.24       | AV       | 267.00         | 200         | Vertical | Pass    |
| 2   | 4392.800        | 50.39            | -3.61       | 74.0           | 23.61       | Peak     | 31.00          | 100         | Vertical | Pass    |
| 2** | 4392.800        | 41.31            | -3.61       | 54.0           | 12.69       | AV       | 31.00          | 100         | Vertical | Pass    |
| 3   | 5698.000        | 96.74            | -1.11       | --             | --          | Peak     | 44.00          | 200         | Vertical | N/A     |
| 3** | 5698.000        | 89.38            | -1.11       | --             | --          | AV       | 44.00          | 200         | Vertical | N/A     |
| 4   | 7338.387        | 49.38            | -2.90       | 74.0           | 24.62       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 4** | 7338.387        | 41.12            | -2.90       | 54.0           | 12.88       | AV       | 360.00         | 200         | Vertical | Pass    |
| 5   | 11950.750       | 53.17            | 1.36        | 74.0           | 20.83       | Peak     | 326.00         | 100         | Vertical | Pass    |
| 5** | 11950.750       | 43.60            | 1.36        | 54.0           | 10.40       | AV       | 326.00         | 100         | Vertical | Pass    |
| 6   | 15657.713       | 55.41            | 1.23        | 74.0           | 18.59       | Peak     | 20.00          | 100         | Vertical | Pass    |
| 6** | 15657.713       | 45.17            | 1.23        | 54.0           | 8.83        | AV       | 20.00          | 100         | Vertical | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1586.200        | 39.44            | -16.87      | 74.0           | 34.56       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 1** | 1586.200        | 29.53            | -16.87      | 54.0           | 24.47       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 2   | 4378.600        | 49.95            | -3.40       | 74.0           | 24.05       | Peak     | 67.00          | 300         | Horizontal | Pass    |
| 2** | 4378.600        | 42.07            | -3.40       | 54.0           | 11.93       | AV       | 67.00          | 300         | Horizontal | Pass    |
| 3   | 5501.200        | 104.94           | -1.47       | --             | --          | Peak     | 275.00         | 200         | Horizontal | N/A     |
| 3** | 5501.200        | 97.70            | -1.47       | --             | --          | AV       | 275.00         | 200         | Horizontal | N/A     |
| 4   | 7363.400        | 49.57            | -3.76       | 74.0           | 24.43       | Peak     | 193.00         | 200         | Horizontal | Pass    |
| 4** | 7363.400        | 39.99            | -3.76       | 54.0           | 14.01       | AV       | 193.00         | 200         | Horizontal | Pass    |
| 5   | 12297.475       | 52.87            | 1.53        | 74.0           | 21.13       | Peak     | 117.00         | 100         | Horizontal | Pass    |
| 5** | 12297.475       | 43.69            | 1.53        | 54.0           | 10.31       | AV       | 117.00         | 100         | Horizontal | Pass    |
| 6   | 15819.675       | 55.76            | 1.89        | 74.0           | 18.24       | Peak     | 320.00         | 300         | Horizontal | Pass    |
| 6** | 15819.675       | 46.34            | 1.89        | 54.0           | 7.66        | AV       | 320.00         | 300         | Horizontal | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1500.100        | 38.78            | -16.92      | 74.0           | 35.22       | Peak     | 304.00         | 200         | Vertical | Pass    |
| 1** | 1500.100        | 29.92            | -16.92      | 54.0           | 24.08       | AV       | 304.00         | 200         | Vertical | Pass    |
| 2   | 4385.400        | 50.24            | -3.40       | 74.0           | 23.76       | Peak     | 58.00          | 300         | Vertical | Pass    |
| 2** | 4385.400        | 41.90            | -3.40       | 54.0           | 12.10       | AV       | 58.00          | 300         | Vertical | Pass    |
| 3   | 5497.200        | 98.89            | -1.56       | --             | --          | Peak     | 12.00          | 150         | Vertical | N/A     |
| 3** | 5497.200        | 91.41            | -1.56       | --             | --          | AV       | 12.00          | 150         | Vertical | N/A     |
| 4   | 7336.950        | 49.53            | -3.01       | 74.0           | 24.47       | Peak     | 223.00         | 200         | Vertical | Pass    |
| 4** | 7336.950        | 40.41            | -3.01       | 54.0           | 13.59       | AV       | 223.00         | 200         | Vertical | Pass    |
| 5   | 12504.188       | 53.06            | 1.67        | 74.0           | 20.94       | Peak     | 12.00          | 200         | Vertical | Pass    |
| 5** | 12504.188       | 42.88            | 1.67        | 54.0           | 11.12       | AV       | 12.00          | 200         | Vertical | Pass    |
| 6   | 16032.825       | 55.92            | 0.74        | 74.0           | 18.08       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 16032.825       | 46.48            | 0.74        | 54.0           | 7.52        | AV       | 0.00           | 200         | Vertical | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1492.500        | 39.45            | -16.88      | 74.0           | 34.55       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 1** | 1492.500        | 30.24            | -16.88      | 54.0           | 23.76       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 2   | 4382.400        | 50.67            | -3.64       | 74.0           | 23.33       | Peak     | 168.00         | 400         | Horizontal | Pass    |
| 2** | 4382.400        | 41.27            | -3.64       | 54.0           | 12.73       | AV       | 168.00         | 400         | Horizontal | Pass    |
| 3   | 5578.400        | 104.20           | -1.60       | --             | --          | Peak     | 268.00         | 100         | Horizontal | N/A     |
| 3** | 5578.400        | 97.45            | -1.60       | --             | --          | AV       | 268.00         | 100         | Horizontal | N/A     |
| 4   | 7337.812        | 49.73            | -2.88       | 74.0           | 24.27       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 4** | 7337.812        | 40.70            | -2.88       | 54.0           | 13.30       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 5   | 12295.750       | 53.45            | 1.56        | 74.0           | 20.55       | Peak     | 146.00         | 200         | Horizontal | Pass    |
| 5** | 12295.750       | 44.58            | 1.56        | 54.0           | 9.42        | AV       | 146.00         | 200         | Horizontal | Pass    |
| 6   | 16099.237       | 55.74            | 1.22        | 74.0           | 18.26       | Peak     | 259.00         | 100         | Horizontal | Pass    |
| 6** | 16099.237       | 46.07            | 1.22        | 54.0           | 7.93        | AV       | 259.00         | 100         | Horizontal | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1511.000        | 39.14            | -17.20      | 74.0           | 34.86       | Peak     | 55.00          | 300         | Vertical | Pass    |
| 1** | 1511.000        | 29.34            | -17.20      | 54.0           | 24.66       | AV       | 55.00          | 300         | Vertical | Pass    |
| 2   | 4383.000        | 50.33            | -3.64       | 74.0           | 23.67       | Peak     | 168.00         | 100         | Vertical | Pass    |
| 2** | 4383.000        | 42.20            | -3.64       | 54.0           | 11.80       | AV       | 168.00         | 100         | Vertical | Pass    |
| 3   | 5581.000        | 98.29            | -1.70       | --             | --          | Peak     | 44.00          | 100         | Vertical | N/A     |
| 3** | 5581.000        | 90.47            | -1.70       | --             | --          | AV       | 44.00          | 100         | Vertical | N/A     |
| 4   | 7339.537        | 50.01            | -2.93       | 74.0           | 23.99       | Peak     | 309.00         | 100         | Vertical | Pass    |
| 4** | 7339.537        | 41.33            | -2.93       | 54.0           | 12.67       | AV       | 309.00         | 100         | Vertical | Pass    |
| 5   | 12410.174       | 53.72            | 1.44        | 74.0           | 20.28       | Peak     | 196.00         | 200         | Vertical | Pass    |
| 5** | 12410.174       | 44.61            | 1.44        | 54.0           | 9.39        | AV       | 196.00         | 200         | Vertical | Pass    |
| 6   | 16032.300       | 56.12            | 0.73        | 74.0           | 17.88       | Peak     | 219.00         | 400         | Vertical | Pass    |
| 6** | 16032.300       | 47.10            | 0.73        | 54.0           | 6.90        | AV       | 219.00         | 400         | Vertical | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1509.700        | 39.70            | -17.19      | 74.0           | 34.30       | Peak     | 97.00          | 300         | Horizontal | Pass    |
| 1** | 1509.700        | 28.98            | -17.19      | 54.0           | 25.02       | AV       | 97.00          | 300         | Horizontal | Pass    |
| 2   | 4383.800        | 49.85            | -3.64       | 74.0           | 24.15       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 4383.800        | 41.57            | -3.64       | 54.0           | 12.43       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 5702.800        | 103.16           | -1.65       | --             | --          | Peak     | 280.00         | 150         | Horizontal | N/A     |
| 3** | 5702.800        | 94.21            | -1.65       | --             | --          | AV       | 280.00         | 150         | Horizontal | N/A     |
| 4   | 7634.225        | 49.65            | -2.95       | 74.0           | 24.35       | Peak     | 205.00         | 200         | Horizontal | Pass    |
| 4** | 7634.225        | 40.41            | -2.95       | 54.0           | 13.59       | AV       | 205.00         | 200         | Horizontal | Pass    |
| 5   | 12272.463       | 53.39            | 1.53        | 74.0           | 20.61       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 12272.463       | 44.20            | 1.53        | 54.0           | 9.80        | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15835.950       | 55.81            | 1.45        | 74.0           | 18.19       | Peak     | 43.00          | 100         | Horizontal | Pass    |
| 6** | 15835.950       | 46.29            | 1.45        | 54.0           | 7.71        | AV       | 43.00          | 100         | Horizontal | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1560.400        | 39.56            | -16.90      | 74.0           | 34.44       | Peak     | 316.00         | 200         | Vertical | Pass    |
| 1** | 1560.400        | 29.67            | -16.90      | 54.0           | 24.33       | AV       | 316.00         | 200         | Vertical | Pass    |
| 2   | 4382.000        | 50.37            | -3.64       | 74.0           | 23.63       | Peak     | 317.00         | 100         | Vertical | Pass    |
| 2** | 4382.000        | 41.31            | -3.64       | 54.0           | 12.69       | AV       | 317.00         | 100         | Vertical | Pass    |
| 3   | 5698.600        | 97.18            | -1.03       | --             | --          | Peak     | 47.00          | 150         | Vertical | N/A     |
| 3** | 5698.600        | 89.66            | -1.03       | --             | --          | AV       | 47.00          | 150         | Vertical | N/A     |
| 4   | 7319.413        | 50.47            | -3.03       | 74.0           | 23.53       | Peak     | 291.00         | 100         | Vertical | Pass    |
| 4** | 7319.413        | 41.66            | -3.03       | 54.0           | 12.34       | AV       | 291.00         | 100         | Vertical | Pass    |
| 5   | 12559.388       | 52.91            | 1.68        | 74.0           | 21.09       | Peak     | 268.00         | 150         | Vertical | Pass    |
| 5** | 12559.388       | 43.10            | 1.68        | 54.0           | 10.90       | AV       | 268.00         | 150         | Vertical | Pass    |
| 6   | 15624.375       | 56.63            | 1.71        | 74.0           | 17.37       | Peak     | 137.00         | 150         | Vertical | Pass    |
| 6** | 15624.375       | 45.73            | 1.71        | 54.0           | 8.27        | AV       | 137.00         | 150         | Vertical | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1540.100        | 39.60            | -17.03      | 74.0           | 34.40       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 1** | 1540.100        | 29.33            | -17.03      | 54.0           | 24.67       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 2   | 4361.200        | 50.67            | -4.08       | 74.0           | 23.33       | Peak     | 254.00         | 200         | Horizontal | Pass    |
| 2** | 4361.200        | 41.32            | -4.08       | 54.0           | 12.68       | AV       | 254.00         | 200         | Horizontal | Pass    |
| 3   | 5508.200        | 102.98           | -0.93       | --             | --          | Peak     | 267.00         | 200         | Horizontal | N/A     |
| 3** | 5508.200        | 94.86            | -0.93       | --             | --          | AV       | 267.00         | 200         | Horizontal | N/A     |
| 4   | 7339.825        | 50.65            | -2.95       | 74.0           | 23.35       | Peak     | 46.00          | 300         | Horizontal | Pass    |
| 4** | 7339.825        | 41.26            | -2.95       | 54.0           | 12.74       | AV       | 46.00          | 300         | Horizontal | Pass    |
| 5   | 12280.800       | 53.48            | 1.80        | 74.0           | 20.52       | Peak     | 283.00         | 100         | Horizontal | Pass    |
| 5** | 12280.800       | 44.38            | 1.80        | 54.0           | 9.62        | AV       | 283.00         | 100         | Horizontal | Pass    |
| 6   | 15631.988       | 56.22            | 1.64        | 74.0           | 17.78       | Peak     | 234.00         | 200         | Horizontal | Pass    |
| 6** | 15631.988       | 46.06            | 1.64        | 54.0           | 7.94        | AV       | 234.00         | 200         | Horizontal | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1537.700        | 40.52            | -17.03      | 74.0           | 33.48       | Peak     | 70.00          | 400         | Vertical | Pass    |
| 1** | 1537.700        | 29.18            | -17.03      | 54.0           | 24.82       | AV       | 70.00          | 400         | Vertical | Pass    |
| 2   | 4383.600        | 50.73            | -3.64       | 74.0           | 23.27       | Peak     | 295.00         | 400         | Vertical | Pass    |
| 2** | 4383.600        | 41.34            | -3.64       | 54.0           | 12.66       | AV       | 295.00         | 400         | Vertical | Pass    |
| 3   | 5508.000        | 95.63            | -0.94       | --             | --          | Peak     | 10.00          | 150         | Vertical | N/A     |
| 3** | 5508.000        | 87.81            | -0.94       | --             | --          | AV       | 10.00          | 150         | Vertical | N/A     |
| 4   | 7633.650        | 49.84            | -2.93       | 74.0           | 24.16       | Peak     | 275.00         | 200         | Vertical | Pass    |
| 4** | 7633.650        | 40.83            | -2.93       | 54.0           | 13.17       | AV       | 275.00         | 200         | Vertical | Pass    |
| 5   | 12229.625       | 53.23            | 1.30        | 74.0           | 20.77       | Peak     | 294.00         | 100         | Vertical | Pass    |
| 5** | 12229.625       | 43.65            | 1.30        | 54.0           | 10.35       | AV       | 294.00         | 100         | Vertical | Pass    |
| 6   | 15625.687       | 56.26            | 1.72        | 74.0           | 17.74       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 6** | 15625.687       | 45.86            | 1.72        | 54.0           | 8.14        | AV       | 360.00         | 200         | Vertical | Pass    |



## 11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1521.800        | 40.10            | -17.31      | 74.0           | 33.90       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 1** | 1521.800        | 29.83            | -17.31      | 54.0           | 24.17       | AV       | 53.00          | 200         | Horizontal | Pass    |
| 2   | 4381.000        | 50.52            | -3.49       | 74.0           | 23.48       | Peak     | 31.00          | 200         | Horizontal | Pass    |
| 2** | 4381.000        | 41.45            | -3.49       | 54.0           | 12.55       | AV       | 31.00          | 200         | Horizontal | Pass    |
| 3   | 5593.800        | 101.42           | -2.15       | --             | --          | Peak     | 274.00         | 150         | Horizontal | N/A     |
| 3** | 5593.800        | 93.80            | -2.15       | --             | --          | AV       | 274.00         | 150         | Horizontal | N/A     |
| 4   | 7690.288        | 49.48            | -2.40       | 74.0           | 24.52       | Peak     | 274.00         | 400         | Horizontal | Pass    |
| 4** | 7690.288        | 40.00            | -2.40       | 54.0           | 14.00       | AV       | 274.00         | 400         | Horizontal | Pass    |
| 5   | 12622.063       | 53.11            | 1.71        | 74.0           | 20.89       | Peak     | 15.00          | 200         | Horizontal | Pass    |
| 5** | 12622.063       | 43.38            | 1.71        | 54.0           | 10.62       | AV       | 15.00          | 200         | Horizontal | Pass    |
| 6   | 15843.299       | 55.89            | 1.39        | 74.0           | 18.11       | Peak     | 220.00         | 300         | Horizontal | Pass    |
| 6** | 15843.299       | 46.71            | 1.39        | 54.0           | 7.29        | AV       | 220.00         | 300         | Horizontal | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1535.800        | 40.34            | -17.00      | 74.0           | 33.66       | Peak     | 20.00          | 100         | Vertical | Pass    |
| 1** | 1535.800        | 30.02            | -17.00      | 54.0           | 23.98       | AV       | 20.00          | 100         | Vertical | Pass    |
| 2   | 4369.600        | 50.34            | -3.97       | 74.0           | 23.66       | Peak     | 87.00          | 200         | Vertical | Pass    |
| 2** | 4369.600        | 40.61            | -3.97       | 54.0           | 13.39       | AV       | 87.00          | 200         | Vertical | Pass    |
| 3   | 5593.000        | 94.88            | -2.22       | --             | --          | Peak     | 32.00          | 150         | Vertical | N/A     |
| 3** | 5593.000        | 86.97            | -2.22       | --             | --          | AV       | 32.00          | 150         | Vertical | N/A     |
| 4   | 7674.187        | 49.70            | -2.37       | 74.0           | 24.30       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 4** | 7674.187        | 41.44            | -2.37       | 54.0           | 12.56       | AV       | 0.00           | 300         | Vertical | Pass    |
| 5   | 11210.438       | 53.31            | -0.21       | 74.0           | 20.69       | Peak     | 198.00         | 100         | Vertical | Pass    |
| 5** | 11210.438       | 43.53            | -0.21       | 54.0           | 10.47       | AV       | 198.00         | 100         | Vertical | Pass    |
| 6   | 15661.650       | 55.43            | 1.29        | 74.0           | 18.57       | Peak     | 71.00          | 100         | Vertical | Pass    |
| 6** | 15661.650       | 48.03            | 1.29        | 54.0           | 5.97        | AV       | 71.00          | 100         | Vertical | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1510.500        | 40.03            | -17.20      | 74.0           | 33.97       | Peak     | 45.00          | 300         | Horizontal | Pass    |
| 1** | 1510.500        | 29.66            | -17.20      | 54.0           | 24.34       | AV       | 45.00          | 300         | Horizontal | Pass    |
| 2   | 4360.800        | 50.18            | -4.02       | 74.0           | 23.82       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 2** | 4360.800        | 40.42            | -4.02       | 54.0           | 13.58       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 3   | 5671.800        | 99.21            | -2.29       | --             | --          | Peak     | 286.00         | 200         | Horizontal | N/A     |
| 3** | 5671.800        | 91.66            | -2.29       | --             | --          | AV       | 286.00         | 200         | Horizontal | N/A     |
| 4   | 7711.850        | 49.51            | -2.23       | 74.0           | 24.49       | Peak     | 153.00         | 300         | Horizontal | Pass    |
| 4** | 7711.850        | 40.19            | -2.23       | 54.0           | 13.81       | AV       | 153.00         | 300         | Horizontal | Pass    |
| 5   | 12277.349       | 53.73            | 1.71        | 74.0           | 20.27       | Peak     | 320.00         | 100         | Horizontal | Pass    |
| 5** | 12277.349       | 44.25            | 1.71        | 54.0           | 9.75        | AV       | 320.00         | 100         | Horizontal | Pass    |
| 6   | 15515.175       | 56.64            | 1.40        | 74.0           | 17.36       | Peak     | 242.00         | 400         | Horizontal | Pass    |
| 6** | 15515.175       | 46.02            | 1.40        | 54.0           | 7.98        | AV       | 242.00         | 400         | Horizontal | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1541.000        | 39.89            | -16.97      | 74.0           | 34.11       | Peak     | 18.00          | 100         | Vertical | Pass    |
| 1** | 1541.000        | 30.33            | -16.97      | 54.0           | 23.67       | AV       | 18.00          | 100         | Vertical | Pass    |
| 2   | 4251.600        | 50.39            | -4.55       | 74.0           | 23.61       | Peak     | 23.00          | 200         | Vertical | Pass    |
| 2** | 4251.600        | 39.74            | -4.55       | 54.0           | 14.26       | AV       | 23.00          | 200         | Vertical | Pass    |
| 3   | 5673.200        | 94.27            | -2.18       | --             | --          | Peak     | 36.00          | 200         | Vertical | N/A     |
| 3** | 5673.200        | 85.87            | -2.18       | --             | --          | AV       | 36.00          | 200         | Vertical | N/A     |
| 4   | 7446.200        | 50.09            | -3.13       | 74.0           | 23.91       | Peak     | 341.00         | 300         | Vertical | Pass    |
| 4** | 7446.200        | 40.29            | -3.13       | 54.0           | 13.71       | AV       | 341.00         | 300         | Vertical | Pass    |
| 5   | 12610.275       | 52.92            | 1.89        | 74.0           | 21.08       | Peak     | 154.00         | 100         | Vertical | Pass    |
| 5** | 12610.275       | 43.67            | 1.89        | 54.0           | 10.33       | AV       | 154.00         | 100         | Vertical | Pass    |
| 6   | 15691.837       | 56.24            | 1.24        | 74.0           | 17.76       | Peak     | 249.00         | 300         | Vertical | Pass    |
| 6** | 15691.837       | 45.51            | 1.24        | 54.0           | 8.49        | AV       | 249.00         | 300         | Vertical | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1512.800        | 39.62            | -17.25      | 74.0           | 34.38       | Peak     | 53.00          | 400         | Horizontal | Pass    |
| 1** | 1512.800        | 29.81            | -17.25      | 54.0           | 24.19       | AV       | 53.00          | 400         | Horizontal | Pass    |
| 2   | 4378.800        | 50.06            | -3.38       | 74.0           | 23.94       | Peak     | 278.00         | 300         | Horizontal | Pass    |
| 2** | 4378.800        | 41.90            | -3.38       | 54.0           | 12.10       | AV       | 278.00         | 300         | Horizontal | Pass    |
| 3   | 5501.400        | 105.18           | -1.43       | --             | --          | Peak     | 265.00         | 100         | Horizontal | N/A     |
| 3** | 5501.400        | 97.72            | -1.43       | --             | --          | AV       | 265.00         | 100         | Horizontal | N/A     |
| 4   | 7353.337        | 49.43            | -3.81       | 74.0           | 24.57       | Peak     | 297.00         | 200         | Horizontal | Pass    |
| 4** | 7353.337        | 40.44            | -3.81       | 54.0           | 13.56       | AV       | 297.00         | 200         | Horizontal | Pass    |
| 5   | 12258.950       | 53.02            | 1.06        | 74.0           | 20.98       | Peak     | 319.00         | 100         | Horizontal | Pass    |
| 5** | 12258.950       | 43.00            | 1.06        | 54.0           | 11.00       | AV       | 319.00         | 100         | Horizontal | Pass    |
| 6   | 15508.088       | 55.72            | 1.38        | 74.0           | 18.28       | Peak     | 272.00         | 100         | Horizontal | Pass    |
| 6** | 15508.088       | 46.33            | 1.38        | 54.0           | 7.67        | AV       | 272.00         | 100         | Horizontal | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1536.400        | 39.84            | -16.92      | 74.0           | 34.16       | Peak     | 28.00          | 300         | Vertical | Pass    |
| 1** | 1536.400        | 30.48            | -16.92      | 54.0           | 23.52       | AV       | 28.00          | 300         | Vertical | Pass    |
| 2   | 4359.600        | 50.90            | -4.07       | 74.0           | 23.10       | Peak     | 82.00          | 300         | Vertical | Pass    |
| 2** | 4359.600        | 41.16            | -4.07       | 54.0           | 12.84       | AV       | 82.00          | 300         | Vertical | Pass    |
| 3   | 5502.200        | 97.53            | -1.37       | --             | --          | Peak     | 12.00          | 200         | Vertical | N/A     |
| 3** | 5502.200        | 89.56            | -1.37       | --             | --          | AV       | 12.00          | 200         | Vertical | N/A     |
| 4   | 7453.962        | 50.10            | -3.47       | 74.0           | 23.90       | Peak     | 68.00          | 200         | Vertical | Pass    |
| 4** | 7453.962        | 40.12            | -3.47       | 54.0           | 13.88       | AV       | 68.00          | 200         | Vertical | Pass    |
| 5   | 12616.313       | 53.90            | 1.85        | 74.0           | 20.10       | Peak     | 339.00         | 150         | Vertical | Pass    |
| 5** | 12616.313       | 43.95            | 1.85        | 54.0           | 10.05       | AV       | 339.00         | 150         | Vertical | Pass    |
| 6   | 15858.787       | 56.52            | 0.99        | 74.0           | 17.48       | Peak     | 270.00         | 400         | Vertical | Pass    |
| 6** | 15858.787       | 47.09            | 0.99        | 54.0           | 6.91        | AV       | 270.00         | 400         | Vertical | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1540.800        | 39.85            | -16.95      | 74.0           | 34.15       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 1** | 1540.800        | 29.52            | -16.95      | 54.0           | 24.48       | AV       | 53.00          | 200         | Horizontal | Pass    |
| 2   | 4390.400        | 50.06            | -3.30       | 74.0           | 23.94       | Peak     | 136.00         | 400         | Horizontal | Pass    |
| 2** | 4390.400        | 41.16            | -3.30       | 54.0           | 12.84       | AV       | 136.00         | 400         | Horizontal | Pass    |
| 3   | 5578.800        | 104.37           | -1.61       | --             | --          | Peak     | 268.00         | 150         | Horizontal | N/A     |
| 3** | 5578.800        | 97.49            | -1.61       | --             | --          | AV       | 268.00         | 150         | Horizontal | N/A     |
| 4   | 7406.813        | 50.13            | -3.77       | 74.0           | 23.87       | Peak     | 143.00         | 100         | Horizontal | Pass    |
| 4** | 7406.813        | 40.29            | -3.77       | 54.0           | 13.71       | AV       | 143.00         | 100         | Horizontal | Pass    |
| 5   | 12290.000       | 53.38            | 1.66        | 74.0           | 20.62       | Peak     | 343.00         | 200         | Horizontal | Pass    |
| 5** | 12290.000       | 43.91            | 1.66        | 54.0           | 10.09       | AV       | 343.00         | 200         | Horizontal | Pass    |
| 6   | 16016.287       | 55.89            | 0.49        | 74.0           | 18.11       | Peak     | 141.00         | 400         | Horizontal | Pass    |
| 6** | 16016.287       | 45.65            | 0.49        | 54.0           | 8.35        | AV       | 141.00         | 400         | Horizontal | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1518.000        | 39.47            | -17.18      | 74.0           | 34.53       | Peak     | 199.00         | 400         | Vertical | Pass    |
| 1** | 1518.000        | 29.02            | -17.18      | 54.0           | 24.98       | AV       | 199.00         | 400         | Vertical | Pass    |
| 2   | 4386.600        | 51.14            | -3.30       | 74.0           | 22.86       | Peak     | 222.00         | 300         | Vertical | Pass    |
| 2** | 4386.600        | 41.65            | -3.30       | 54.0           | 12.35       | AV       | 222.00         | 300         | Vertical | Pass    |
| 3   | 5579.200        | 97.58            | -1.63       | --             | --          | Peak     | 234.00         | 150         | Vertical | N/A     |
| 3** | 5579.200        | 90.46            | -1.63       | --             | --          | AV       | 234.00         | 150         | Vertical | N/A     |
| 4   | 7347.588        | 50.24            | -3.70       | 74.0           | 23.76       | Peak     | 244.00         | 200         | Vertical | Pass    |
| 4** | 7347.588        | 40.10            | -3.70       | 54.0           | 13.90       | AV       | 244.00         | 200         | Vertical | Pass    |
| 5   | 12310.988       | 52.98            | 1.38        | 74.0           | 21.02       | Peak     | 193.00         | 100         | Vertical | Pass    |
| 5** | 12310.988       | 43.85            | 1.38        | 54.0           | 10.15       | AV       | 193.00         | 100         | Vertical | Pass    |
| 6   | 15805.763       | 55.87            | 2.25        | 74.0           | 18.13       | Peak     | 60.00          | 100         | Vertical | Pass    |
| 6** | 15805.763       | 47.37            | 2.25        | 54.0           | 6.63        | AV       | 60.00          | 100         | Vertical | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1538.200        | 39.74            | -17.10      | 74.0           | 34.26       | Peak     | 59.00          | 300         | Horizontal | Pass    |
| 1** | 1538.200        | 29.47            | -17.10      | 54.0           | 24.53       | AV       | 59.00          | 300         | Horizontal | Pass    |
| 2   | 4385.400        | 50.34            | -3.40       | 74.0           | 23.66       | Peak     | 264.00         | 200         | Horizontal | Pass    |
| 2** | 4385.400        | 41.45            | -3.40       | 54.0           | 12.55       | AV       | 264.00         | 200         | Horizontal | Pass    |
| 3   | 5699.200        | 102.75           | -0.96       | --             | --          | Peak     | 285.00         | 150         | Horizontal | N/A     |
| 3** | 5699.200        | 95.38            | -0.96       | --             | --          | AV       | 285.00         | 150         | Horizontal | N/A     |
| 4   | 7375.763        | 50.01            | -3.76       | 74.0           | 23.99       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 4** | 7375.763        | 40.68            | -3.76       | 54.0           | 13.32       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 5   | 12302.650       | 53.10            | 1.43        | 74.0           | 20.90       | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 5** | 12302.650       | 45.08            | 1.43        | 54.0           | 8.92        | AV       | 135.00         | 150         | Horizontal | Pass    |
| 6   | 15819.675       | 55.79            | 1.89        | 74.0           | 18.21       | Peak     | 78.00          | 200         | Horizontal | Pass    |
| 6** | 15819.675       | 46.38            | 1.89        | 54.0           | 7.62        | AV       | 78.00          | 200         | Horizontal | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1531.600        | 39.60            | -17.19      | 74.0           | 34.40       | Peak     | 185.00         | 100         | Vertical | Pass    |
| 1** | 1531.600        | 30.27            | -17.19      | 54.0           | 23.73       | AV       | 185.00         | 100         | Vertical | Pass    |
| 2   | 4386.200        | 50.50            | -3.27       | 74.0           | 23.50       | Peak     | 323.00         | 300         | Vertical | Pass    |
| 2** | 4386.200        | 41.38            | -3.27       | 54.0           | 12.62       | AV       | 323.00         | 300         | Vertical | Pass    |
| 3   | 5701.600        | 96.44            | -1.59       | --             | --          | Peak     | 39.00          | 200         | Vertical | N/A     |
| 3** | 5701.600        | 89.90            | -1.59       | --             | --          | AV       | 39.00          | 200         | Vertical | N/A     |
| 4   | 7346.438        | 49.95            | -3.56       | 74.0           | 24.05       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 4** | 7346.438        | 41.05            | -3.56       | 54.0           | 12.95       | AV       | 0.00           | 200         | Vertical | Pass    |
| 5   | 12281.662       | 53.40            | 1.79        | 74.0           | 20.60       | Peak     | 11.00          | 100         | Vertical | Pass    |
| 5** | 12281.662       | 44.07            | 1.79        | 54.0           | 9.93        | AV       | 11.00          | 100         | Vertical | Pass    |
| 6   | 16040.700       | 54.60            | 0.79        | 74.0           | 19.40       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 6** | 16040.700       | 45.50            | 0.79        | 54.0           | 8.50        | AV       | 0.00           | 100         | Vertical | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1487.100        | 39.14            | -16.78      | 74.0           | 34.86       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 1** | 1487.100        | 30.10            | -16.78      | 54.0           | 23.90       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 2   | 4391.200        | 50.77            | -3.40       | 74.0           | 23.23       | Peak     | 41.00          | 300         | Horizontal | Pass    |
| 2** | 4391.200        | 41.31            | -3.40       | 54.0           | 12.69       | AV       | 41.00          | 300         | Horizontal | Pass    |
| 3   | 5507.800        | 103.00           | -0.95       | --             | --          | Peak     | 265.00         | 100         | Horizontal | N/A     |
| 3** | 5507.800        | 95.78            | -0.95       | --             | --          | AV       | 265.00         | 100         | Horizontal | N/A     |
| 4   | 7345.862        | 49.59            | -3.52       | 74.0           | 24.41       | Peak     | 101.00         | 200         | Horizontal | Pass    |
| 4** | 7345.862        | 40.41            | -3.52       | 54.0           | 13.59       | AV       | 101.00         | 200         | Horizontal | Pass    |
| 5   | 12305.812       | 53.30            | 1.38        | 74.0           | 20.70       | Peak     | 70.00          | 150         | Horizontal | Pass    |
| 5** | 12305.812       | 43.75            | 1.38        | 54.0           | 10.25       | AV       | 70.00          | 150         | Horizontal | Pass    |
| 6   | 15851.437       | 56.33            | 1.29        | 74.0           | 17.67       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 6** | 15851.437       | 47.08            | 1.29        | 54.0           | 6.92        | AV       | 0.00           | 300         | Horizontal | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1589.200        | 39.30            | -17.17      | 74.0           | 34.70       | Peak     | 200.00         | 300         | Vertical | Pass    |
| 1** | 1589.200        | 29.78            | -17.17      | 54.0           | 24.22       | AV       | 200.00         | 300         | Vertical | Pass    |
| 2   | 4388.400        | 50.38            | -3.40       | 74.0           | 23.62       | Peak     | 83.00          | 200         | Vertical | Pass    |
| 2** | 4388.400        | 41.05            | -3.40       | 54.0           | 12.95       | AV       | 83.00          | 200         | Vertical | Pass    |
| 3   | 5505.800        | 94.85            | -1.04       | --             | --          | Peak     | 19.00          | 200         | Vertical | N/A     |
| 3** | 5505.800        | 86.70            | -1.04       | --             | --          | AV       | 19.00          | 200         | Vertical | N/A     |
| 4   | 7357.075        | 50.14            | -3.81       | 74.0           | 23.86       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7357.075        | 39.91            | -3.81       | 54.0           | 14.09       | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 12268.151       | 53.56            | 1.39        | 74.0           | 20.44       | Peak     | 239.00         | 100         | Vertical | Pass    |
| 5** | 12268.151       | 43.24            | 1.39        | 54.0           | 10.76       | AV       | 239.00         | 100         | Vertical | Pass    |
| 6   | 15385.500       | 55.65            | 0.38        | 74.0           | 18.35       | Peak     | 170.00         | 300         | Vertical | Pass    |
| 6** | 15385.500       | 45.36            | 0.38        | 54.0           | 8.64        | AV       | 170.00         | 300         | Vertical | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1509.300        | 39.73            | -17.19      | 74.0           | 34.27       | Peak     | 96.00          | 400         | Horizontal | Pass    |
| 1** | 1509.300        | 29.18            | -17.19      | 54.0           | 24.82       | AV       | 96.00          | 400         | Horizontal | Pass    |
| 2   | 4378.800        | 50.44            | -3.38       | 74.0           | 23.56       | Peak     | 70.00          | 400         | Horizontal | Pass    |
| 2** | 4378.800        | 41.50            | -3.38       | 54.0           | 12.50       | AV       | 70.00          | 400         | Horizontal | Pass    |
| 3   | 5588.200        | 101.73           | -1.82       | --             | --          | Peak     | 273.00         | 200         | Horizontal | N/A     |
| 3** | 5588.200        | 94.68            | -1.82       | --             | --          | AV       | 273.00         | 200         | Horizontal | N/A     |
| 4   | 7338.100        | 49.83            | -2.89       | 74.0           | 24.17       | Peak     | 234.00         | 200         | Horizontal | Pass    |
| 4** | 7338.100        | 41.05            | -2.89       | 54.0           | 12.95       | AV       | 234.00         | 200         | Horizontal | Pass    |
| 5   | 11909.638       | 53.08            | 1.54        | 74.0           | 20.92       | Peak     | 218.00         | 150         | Horizontal | Pass    |
| 5** | 11909.638       | 43.53            | 1.54        | 54.0           | 10.47       | AV       | 218.00         | 150         | Horizontal | Pass    |
| 6   | 16026.526       | 55.66            | 0.69        | 74.0           | 18.34       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 6** | 16026.526       | 46.82            | 0.69        | 54.0           | 7.18        | AV       | 53.00          | 200         | Horizontal | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1542.300        | 39.41            | -17.20      | 74.0           | 34.59       | Peak     | 200.00         | 200         | Vertical | Pass    |
| 1** | 1542.300        | 29.51            | -17.20      | 54.0           | 24.49       | AV       | 200.00         | 200         | Vertical | Pass    |
| 2   | 4284.400        | 50.69            | -4.16       | 74.0           | 23.31       | Peak     | 256.00         | 300         | Vertical | Pass    |
| 2** | 4284.400        | 40.55            | -4.16       | 54.0           | 13.45       | AV       | 256.00         | 300         | Vertical | Pass    |
| 3   | 5592.600        | 93.05            | -2.21       | --             | --          | Peak     | 234.00         | 100         | Vertical | N/A     |
| 3** | 5592.600        | 85.89            | -2.21       | --             | --          | AV       | 234.00         | 100         | Vertical | N/A     |
| 4   | 7365.700        | 49.41            | -3.41       | 74.0           | 24.59       | Peak     | 282.00         | 400         | Vertical | Pass    |
| 4** | 7365.700        | 40.78            | -3.41       | 54.0           | 13.22       | AV       | 282.00         | 400         | Vertical | Pass    |
| 5   | 12697.675       | 53.52            | 0.84        | 74.0           | 20.48       | Peak     | 331.00         | 100         | Vertical | Pass    |
| 5** | 12697.675       | 44.18            | 0.84        | 54.0           | 9.82        | AV       | 331.00         | 100         | Vertical | Pass    |
| 6   | 15825.188       | 55.83            | 1.64        | 74.0           | 18.17       | Peak     | 129.00         | 100         | Vertical | Pass    |
| 6** | 15825.188       | 45.90            | 1.64        | 54.0           | 8.10        | AV       | 129.00         | 100         | Vertical | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1561.000        | 39.65            | -16.84      | 74.0           | 34.35       | Peak     | 229.00         | 200         | Horizontal | Pass    |
| 1** | 1561.000        | 29.60            | -16.84      | 54.0           | 24.40       | AV       | 229.00         | 200         | Horizontal | Pass    |
| 2   | 4394.600        | 51.10            | -3.87       | 74.0           | 22.90       | Peak     | 48.00          | 400         | Horizontal | Pass    |
| 2** | 4394.600        | 41.15            | -3.87       | 54.0           | 12.85       | AV       | 48.00          | 400         | Horizontal | Pass    |
| 3   | 5672.000        | 99.65            | -2.27       | --             | --          | Peak     | 269.00         | 150         | Horizontal | N/A     |
| 3** | 5672.000        | 92.27            | -2.27       | --             | --          | AV       | 269.00         | 150         | Horizontal | N/A     |
| 4   | 7449.075        | 50.19            | -3.24       | 74.0           | 23.81       | Peak     | 137.00         | 400         | Horizontal | Pass    |
| 4** | 7449.075        | 40.80            | -3.24       | 54.0           | 13.20       | AV       | 137.00         | 400         | Horizontal | Pass    |
| 5   | 11946.438       | 53.53            | 1.50        | 74.0           | 20.47       | Peak     | 121.00         | 200         | Horizontal | Pass    |
| 5** | 11946.438       | 43.93            | 1.50        | 54.0           | 10.07       | AV       | 121.00         | 200         | Horizontal | Pass    |
| 6   | 15805.763       | 55.71            | 2.25        | 74.0           | 18.29       | Peak     | 216.00         | 150         | Horizontal | Pass    |
| 6** | 15805.763       | 46.91            | 2.25        | 54.0           | 7.09        | AV       | 216.00         | 150         | Horizontal | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1561.700        | 38.95            | -16.78      | 74.0           | 35.05       | Peak     | 193.00         | 300         | Vertical | Pass    |
| 1** | 1561.700        | 31.02            | -16.78      | 54.0           | 22.98       | AV       | 193.00         | 300         | Vertical | Pass    |
| 2   | 4233.600        | 50.10            | -3.94       | 74.0           | 23.90       | Peak     | 257.00         | 300         | Vertical | Pass    |
| 2** | 4233.600        | 39.95            | -3.94       | 54.0           | 14.05       | AV       | 257.00         | 300         | Vertical | Pass    |
| 3   | 5668.400        | 94.46            | -2.58       | --             | --          | Peak     | 40.00          | 150         | Vertical | N/A     |
| 3** | 5668.400        | 86.42            | -2.58       | --             | --          | AV       | 40.00          | 150         | Vertical | N/A     |
| 4   | 7441.888        | 49.61            | -3.39       | 74.0           | 24.39       | Peak     | 51.00          | 100         | Vertical | Pass    |
| 4** | 7441.888        | 40.86            | -3.39       | 54.0           | 13.14       | AV       | 51.00          | 100         | Vertical | Pass    |
| 5   | 12618.613       | 54.12            | 1.81        | 74.0           | 19.88       | Peak     | 348.00         | 200         | Vertical | Pass    |
| 5** | 12618.613       | 43.86            | 1.81        | 54.0           | 10.14       | AV       | 348.00         | 200         | Vertical | Pass    |
| 6   | 16132.312       | 55.90            | 1.04        | 74.0           | 18.10       | Peak     | 262.00         | 400         | Vertical | Pass    |
| 6** | 16132.312       | 46.42            | 1.04        | 54.0           | 7.58        | AV       | 262.00         | 400         | Vertical | Pass    |



## 11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1521.300        | 39.68            | -17.30      | 74.0           | 34.32       | Peak     | 53.00          | 100         | Horizontal | Pass    |
| 1** | 1521.300        | 28.87            | -17.30      | 54.0           | 25.13       | AV       | 53.00          | 100         | Horizontal | Pass    |
| 2   | 4381.200        | 50.70            | -3.52       | 74.0           | 23.30       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 2** | 4381.200        | 42.38            | -3.52       | 54.0           | 11.62       | AV       | 53.00          | 200         | Horizontal | Pass    |
| 3   | 5536.400        | 99.70            | -1.80       | --             | --          | Peak     | 271.00         | 200         | Horizontal | N/A     |
| 3** | 5536.400        | 91.80            | -1.80       | --             | --          | AV       | 271.00         | 200         | Horizontal | N/A     |
| 4   | 7452.525        | 49.99            | -3.18       | 74.0           | 24.01       | Peak     | 54.00          | 400         | Horizontal | Pass    |
| 4** | 7452.525        | 40.17            | -3.18       | 54.0           | 13.83       | AV       | 54.00          | 400         | Horizontal | Pass    |
| 5   | 11416.287       | 53.33            | -0.15       | 74.0           | 20.67       | Peak     | 314.00         | 200         | Horizontal | Pass    |
| 5** | 11416.287       | 43.15            | -0.15       | 54.0           | 10.85       | AV       | 314.00         | 200         | Horizontal | Pass    |
| 6   | 15796.312       | 56.46            | 2.21        | 74.0           | 17.54       | Peak     | 130.00         | 200         | Horizontal | Pass    |
| 6** | 15796.312       | 47.46            | 2.21        | 54.0           | 6.54        | AV       | 130.00         | 200         | Horizontal | Pass    |

## 11ac80, U-NII-2C, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1585.500        | 40.58            | -16.78      | 74.0           | 33.42       | Peak     | 236.00         | 100         | Vertical | Pass    |
| 1** | 1585.500        | 29.39            | -16.78      | 54.0           | 24.61       | AV       | 236.00         | 100         | Vertical | Pass    |
| 2   | 4378.200        | 50.62            | -3.44       | 74.0           | 23.38       | Peak     | 312.00         | 200         | Vertical | Pass    |
| 2** | 4378.200        | 41.94            | -3.44       | 54.0           | 12.06       | AV       | 312.00         | 200         | Vertical | Pass    |
| 3   | 5534.400        | 91.41            | -2.08       | --             | --          | Peak     | 17.00          | 150         | Vertical | N/A     |
| 3** | 5534.400        | 83.93            | -2.08       | --             | --          | AV       | 17.00          | 150         | Vertical | N/A     |
| 4   | 7510.312        | 50.62            | -3.17       | 74.0           | 23.38       | Peak     | 96.00          | 100         | Vertical | Pass    |
| 4** | 7510.312        | 40.22            | -3.17       | 54.0           | 13.78       | AV       | 96.00          | 100         | Vertical | Pass    |
| 5   | 12288.275       | 53.54            | 1.70        | 74.0           | 20.46       | Peak     | 310.00         | 150         | Vertical | Pass    |
| 5** | 12288.275       | 44.07            | 1.70        | 54.0           | 9.93        | AV       | 310.00         | 150         | Vertical | Pass    |
| 6   | 15797.363       | 55.79            | 2.25        | 74.0           | 18.21       | Peak     | 325.00         | 200         | Vertical | Pass    |
| 6** | 15797.363       | 47.57            | 2.25        | 54.0           | 6.43        | AV       | 325.00         | 200         | Vertical | Pass    |

## 11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1540.700        | 39.54            | -16.96      | 74.0           | 34.46       | Peak     | 45.00          | 300         | Horizontal | Pass    |
| 1** | 1540.700        | 28.99            | -16.96      | 54.0           | 25.01       | AV       | 45.00          | 300         | Horizontal | Pass    |
| 2   | 4377.000        | 51.46            | -3.71       | 74.0           | 22.54       | Peak     | 249.00         | 100         | Horizontal | Pass    |
| 2** | 4377.000        | 41.43            | -3.71       | 54.0           | 12.57       | AV       | 249.00         | 100         | Horizontal | Pass    |
| 3   | 5604.000        | 97.90            | -1.98       | --             | --          | Peak     | 270.00         | 100         | Horizontal | N/A     |
| 3** | 5604.000        | 90.14            | -1.98       | --             | --          | AV       | 270.00         | 100         | Horizontal | N/A     |
| 4   | 7333.788        | 49.79            | -3.14       | 74.0           | 24.21       | Peak     | 280.00         | 300         | Horizontal | Pass    |
| 4** | 7333.788        | 41.31            | -3.14       | 54.0           | 12.69       | AV       | 280.00         | 300         | Horizontal | Pass    |
| 5   | 11939.826       | 53.91            | 1.69        | 74.0           | 20.09       | Peak     | 298.00         | 200         | Horizontal | Pass    |
| 5** | 11939.826       | 44.43            | 1.69        | 54.0           | 9.57        | AV       | 298.00         | 200         | Horizontal | Pass    |
| 6   | 15651.412       | 56.47            | 1.18        | 74.0           | 17.53       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 6** | 15651.412       | 46.39            | 1.18        | 54.0           | 7.61        | AV       | 360.00         | 100         | Horizontal | Pass    |

## 11ac80, U-NII-2C, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1506.100        | 39.38            | -16.83      | 74.0           | 34.62       | Peak     | 198.00         | 300         | Vertical | Pass    |
| 1** | 1506.100        | 30.14            | -16.83      | 54.0           | 23.86       | AV       | 198.00         | 300         | Vertical | Pass    |
| 2   | 4387.200        | 51.27            | -3.34       | 74.0           | 22.73       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 4387.200        | 42.05            | -3.34       | 54.0           | 11.95       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 5603.600        | 90.82            | -1.97       | --             | --          | Peak     | 30.00          | 200         | Vertical | N/A     |
| 3** | 5603.600        | 82.59            | -1.97       | --             | --          | AV       | 30.00          | 200         | Vertical | N/A     |
| 4   | 7508.875        | 49.89            | -3.13       | 74.0           | 24.11       | Peak     | 284.00         | 300         | Vertical | Pass    |
| 4** | 7508.875        | 40.81            | -3.13       | 54.0           | 13.19       | AV       | 284.00         | 300         | Vertical | Pass    |
| 5   | 11338.375       | 53.55            | 0.30        | 74.0           | 20.45       | Peak     | 299.00         | 200         | Vertical | Pass    |
| 5** | 11338.375       | 43.88            | 0.30        | 54.0           | 10.12       | AV       | 299.00         | 200         | Vertical | Pass    |
| 6   | 15518.325       | 56.32            | 1.39        | 74.0           | 17.68       | Peak     | 257.00         | 400         | Vertical | Pass    |
| 6** | 15518.325       | 46.84            | 1.39        | 54.0           | 7.16        | AV       | 257.00         | 400         | Vertical | Pass    |

## 11a, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1451.300        | 39.78            | -17.05      | 74.0           | 34.22       | Peak     | 68.00          | 400         | Horizontal | Pass    |
| 1** | 1451.300        | 29.69            | -17.05      | 54.0           | 24.31       | AV       | 68.00          | 400         | Horizontal | Pass    |
| 2   | 4380.400        | 50.42            | -3.39       | 74.0           | 23.58       | Peak     | 313.00         | 100         | Horizontal | Pass    |
| 2** | 4380.400        | 42.31            | -3.39       | 54.0           | 11.69       | AV       | 313.00         | 100         | Horizontal | Pass    |
| 3   | 5743.600        | 103.91           | -2.09       | --             | --          | Peak     | 281.00         | 200         | Horizontal | N/A     |
| 3** | 5743.600        | 96.34            | -2.09       | --             | --          | AV       | 281.00         | 200         | Horizontal | N/A     |
| 4   | 7673.612        | 49.98            | -2.31       | 74.0           | 24.02       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 4** | 7673.612        | 40.69            | -2.31       | 54.0           | 13.31       | AV       | 360.00         | 400         | Horizontal | Pass    |
| 5   | 12399.825       | 53.15            | 1.58        | 74.0           | 20.85       | Peak     | 134.00         | 200         | Horizontal | Pass    |
| 5** | 12399.825       | 43.47            | 1.58        | 54.0           | 10.53       | AV       | 134.00         | 200         | Horizontal | Pass    |
| 6   | 15496.537       | 56.29            | 1.08        | 74.0           | 17.71       | Peak     | 33.00          | 400         | Horizontal | Pass    |
| 6** | 15496.537       | 45.73            | 1.08        | 54.0           | 8.27        | AV       | 33.00          | 400         | Horizontal | Pass    |

## 11a, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1480.200        | 38.96            | -17.16      | 74.0           | 35.04       | Peak     | 56.00          | 400         | Vertical | Pass    |
| 1** | 1480.200        | 29.55            | -17.16      | 54.0           | 24.45       | AV       | 56.00          | 400         | Vertical | Pass    |
| 2   | 4378.800        | 50.99            | -3.38       | 74.0           | 23.01       | Peak     | 107.00         | 400         | Vertical | Pass    |
| 2** | 4378.800        | 42.83            | -3.38       | 54.0           | 11.17       | AV       | 107.00         | 400         | Vertical | Pass    |
| 3   | 5747.200        | 97.05            | -2.21       | --             | --          | Peak     | 44.00          | 150         | Vertical | N/A     |
| 3** | 5747.200        | 89.26            | -2.21       | --             | --          | AV       | 44.00          | 150         | Vertical | N/A     |
| 4   | 7345.288        | 51.18            | -3.50       | 74.0           | 22.82       | Peak     | 144.00         | 200         | Vertical | Pass    |
| 4** | 7345.288        | 40.83            | -3.50       | 54.0           | 13.17       | AV       | 144.00         | 200         | Vertical | Pass    |
| 5   | 12319.325       | 53.92            | 1.42        | 74.0           | 20.08       | Peak     | 247.00         | 100         | Vertical | Pass    |
| 5** | 12319.325       | 44.12            | 1.42        | 54.0           | 9.88        | AV       | 247.00         | 100         | Vertical | Pass    |
| 6   | 16116.037       | 56.31            | 0.67        | 74.0           | 17.69       | Peak     | 130.00         | 400         | Vertical | Pass    |
| 6** | 16116.037       | 46.51            | 0.67        | 54.0           | 7.49        | AV       | 130.00         | 400         | Vertical | Pass    |

## 11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1574.900        | 39.01            | -17.15      | 74.0           | 34.99       | Peak     | 342.00         | 200         | Horizontal | Pass    |
| 1** | 1574.900        | 29.87            | -17.15      | 54.0           | 24.13       | AV       | 342.00         | 200         | Horizontal | Pass    |
| 2   | 4390.400        | 50.69            | -3.30       | 74.0           | 23.31       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 4390.400        | 42.02            | -3.30       | 54.0           | 11.98       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 5782.200        | 104.14           | -1.33       | --             | --          | Peak     | 285.00         | 150         | Horizontal | N/A     |
| 3** | 5782.200        | 96.81            | -1.33       | --             | --          | AV       | 285.00         | 150         | Horizontal | N/A     |
| 4   | 7341.263        | 49.92            | -3.09       | 74.0           | 24.08       | Peak     | 331.00         | 200         | Horizontal | Pass    |
| 4** | 7341.263        | 41.40            | -3.09       | 54.0           | 12.60       | AV       | 331.00         | 200         | Horizontal | Pass    |
| 5   | 11934.937       | 53.79            | 1.69        | 74.0           | 20.21       | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 5** | 11934.937       | 43.90            | 1.69        | 54.0           | 10.10       | AV       | 331.00         | 100         | Horizontal | Pass    |
| 6   | 15796.838       | 55.97            | 2.23        | 74.0           | 18.03       | Peak     | 206.00         | 300         | Horizontal | Pass    |
| 6** | 15796.838       | 46.57            | 2.23        | 54.0           | 7.43        | AV       | 206.00         | 300         | Horizontal | Pass    |

## 11a, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1624.200        | 39.40            | -17.08      | 74.0           | 34.60       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 1** | 1624.200        | 29.40            | -17.08      | 54.0           | 24.60       | AV       | 360.00         | 300         | Vertical | Pass    |
| 2   | 4390.000        | 52.04            | -3.32       | 74.0           | 21.96       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 2** | 4390.000        | 42.19            | -3.32       | 54.0           | 11.81       | AV       | 0.00           | 100         | Vertical | Pass    |
| 3   | 5783.800        | 97.73            | -1.54       | --             | --          | Peak     | 47.00          | 200         | Vertical | N/A     |
| 3** | 5783.800        | 90.20            | -1.54       | --             | --          | AV       | 47.00          | 200         | Vertical | N/A     |
| 4   | 7337.812        | 50.09            | -2.88       | 74.0           | 23.91       | Peak     | 195.00         | 400         | Vertical | Pass    |
| 4** | 7337.812        | 41.23            | -2.88       | 54.0           | 12.77       | AV       | 195.00         | 400         | Vertical | Pass    |
| 5   | 12244.862       | 53.42            | 1.02        | 74.0           | 20.58       | Peak     | 195.00         | 200         | Vertical | Pass    |
| 5** | 12244.862       | 44.21            | 1.02        | 54.0           | 9.79        | AV       | 195.00         | 200         | Vertical | Pass    |
| 6   | 16116.300       | 56.15            | 0.66        | 74.0           | 17.85       | Peak     | 358.00         | 400         | Vertical | Pass    |
| 6** | 16116.300       | 46.45            | 0.66        | 54.0           | 7.55        | AV       | 358.00         | 400         | Vertical | Pass    |

## 11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1622.700        | 39.18            | -16.94      | 74.0           | 34.82       | Peak     | 233.00         | 400         | Horizontal | Pass    |
| 1** | 1622.700        | 29.26            | -16.94      | 54.0           | 24.74       | AV       | 233.00         | 400         | Horizontal | Pass    |
| 2   | 4387.200        | 51.04            | -3.34       | 74.0           | 22.96       | Peak     | 166.00         | 400         | Horizontal | Pass    |
| 2** | 4387.200        | 41.66            | -3.34       | 54.0           | 12.34       | AV       | 166.00         | 400         | Horizontal | Pass    |
| 3   | 5826.200        | 105.57           | -2.03       | --             | --          | Peak     | 260.00         | 100         | Horizontal | N/A     |
| 3** | 5826.200        | 98.05            | -2.03       | --             | --          | AV       | 260.00         | 100         | Horizontal | N/A     |
| 4   | 7332.350        | 50.25            | -3.24       | 74.0           | 23.75       | Peak     | 125.00         | 200         | Horizontal | Pass    |
| 4** | 7332.350        | 40.72            | -3.24       | 54.0           | 13.28       | AV       | 125.00         | 200         | Horizontal | Pass    |
| 5   | 12272.463       | 53.27            | 1.53        | 74.0           | 20.73       | Peak     | 207.00         | 200         | Horizontal | Pass    |
| 5** | 12272.463       | 44.18            | 1.53        | 54.0           | 9.82        | AV       | 207.00         | 200         | Horizontal | Pass    |
| 6   | 16034.925       | 56.18            | 0.75        | 74.0           | 17.82       | Peak     | 300.00         | 300         | Horizontal | Pass    |
| 6** | 16034.925       | 47.13            | 0.75        | 54.0           | 6.87        | AV       | 300.00         | 300         | Horizontal | Pass    |

## 11a, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1623.100        | 39.35            | -16.99      | 74.0           | 34.65       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 1** | 1623.100        | 29.91            | -16.99      | 54.0           | 24.09       | AV       | 360.00         | 300         | Vertical | Pass    |
| 2   | 4392.800        | 51.27            | -3.61       | 74.0           | 22.73       | Peak     | 245.00         | 400         | Vertical | Pass    |
| 2** | 4392.800        | 41.31            | -3.61       | 54.0           | 12.69       | AV       | 245.00         | 400         | Vertical | Pass    |
| 3   | 5822.600        | 96.64            | -2.13       | --             | --          | Peak     | 37.00          | 150         | Vertical | N/A     |
| 3** | 5822.600        | 88.91            | -2.13       | --             | --          | AV       | 37.00          | 150         | Vertical | N/A     |
| 4   | 7359.088        | 50.09            | -3.76       | 74.0           | 23.91       | Peak     | 249.00         | 400         | Vertical | Pass    |
| 4** | 7359.088        | 39.86            | -3.76       | 54.0           | 14.14       | AV       | 249.00         | 400         | Vertical | Pass    |
| 5   | 12231.925       | 53.52            | 1.25        | 74.0           | 20.48       | Peak     | 328.00         | 200         | Vertical | Pass    |
| 5** | 12231.925       | 44.57            | 1.25        | 54.0           | 9.43        | AV       | 328.00         | 200         | Vertical | Pass    |
| 6   | 15683.174       | 56.03            | 1.49        | 74.0           | 17.97       | Peak     | 163.00         | 300         | Vertical | Pass    |
| 6** | 15683.174       | 46.78            | 1.49        | 54.0           | 7.22        | AV       | 163.00         | 300         | Vertical | Pass    |

## 11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1509.300        | 40.32            | -17.19      | 74.0           | 33.68       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 1** | 1509.300        | 29.50            | -17.19      | 54.0           | 24.50       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 2   | 4387.800        | 51.04            | -3.38       | 74.0           | 22.96       | Peak     | 213.00         | 400         | Horizontal | Pass    |
| 2** | 4387.800        | 41.47            | -3.38       | 54.0           | 12.53       | AV       | 213.00         | 400         | Horizontal | Pass    |
| 3   | 5746.200        | 104.99           | -2.21       | --             | --          | Peak     | 246.00         | 100         | Horizontal | N/A     |
| 3** | 5746.200        | 98.13            | -2.21       | --             | --          | AV       | 246.00         | 100         | Horizontal | N/A     |
| 4   | 7610.650        | 50.12            | -2.91       | 74.0           | 23.88       | Peak     | 182.00         | 300         | Horizontal | Pass    |
| 4** | 7610.650        | 40.42            | -2.91       | 54.0           | 13.58       | AV       | 182.00         | 300         | Horizontal | Pass    |
| 5   | 12683.300       | 53.71            | 0.85        | 74.0           | 20.29       | Peak     | 269.00         | 200         | Horizontal | Pass    |
| 5** | 12683.300       | 43.72            | 0.85        | 54.0           | 10.28       | AV       | 269.00         | 200         | Horizontal | Pass    |
| 6   | 15628.313       | 56.40            | 1.71        | 74.0           | 17.60       | Peak     | 247.00         | 100         | Horizontal | Pass    |
| 6** | 15628.313       | 47.45            | 1.71        | 54.0           | 6.55        | AV       | 247.00         | 100         | Horizontal | Pass    |

## 11n20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1543.800        | 40.42            | -17.28      | 74.0           | 33.58       | Peak     | 112.00         | 200         | Vertical | Pass    |
| 1** | 1543.800        | 29.39            | -17.28      | 54.0           | 24.61       | AV       | 112.00         | 200         | Vertical | Pass    |
| 2   | 4366.200        | 50.71            | -3.86       | 74.0           | 23.29       | Peak     | 93.00          | 200         | Vertical | Pass    |
| 2** | 4366.200        | 41.36            | -3.86       | 54.0           | 12.64       | AV       | 93.00          | 200         | Vertical | Pass    |
| 3   | 5743.600        | 95.42            | -2.09       | --             | --          | Peak     | 29.00          | 150         | Vertical | N/A     |
| 3** | 5743.600        | 87.68            | -2.09       | --             | --          | AV       | 29.00          | 150         | Vertical | N/A     |
| 4   | 7346.150        | 50.09            | -3.53       | 74.0           | 23.91       | Peak     | 233.00         | 200         | Vertical | Pass    |
| 4** | 7346.150        | 41.52            | -3.53       | 54.0           | 12.48       | AV       | 233.00         | 200         | Vertical | Pass    |
| 5   | 12287.700       | 53.20            | 1.72        | 74.0           | 20.80       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 12287.700       | 44.46            | 1.72        | 54.0           | 9.54        | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 15661.125       | 55.98            | 1.29        | 74.0           | 18.02       | Peak     | 59.00          | 400         | Vertical | Pass    |
| 6** | 15661.125       | 46.82            | 1.29        | 54.0           | 7.18        | AV       | 59.00          | 400         | Vertical | Pass    |

## 11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1516.400        | 39.53            | -17.17      | 74.0           | 34.47       | Peak     | 14.00          | 100         | Horizontal | Pass    |
| 1** | 1516.400        | 28.56            | -17.17      | 54.0           | 25.44       | AV       | 14.00          | 100         | Horizontal | Pass    |
| 2   | 4381.400        | 50.38            | -3.56       | 74.0           | 23.62       | Peak     | 64.00          | 300         | Horizontal | Pass    |
| 2** | 4381.400        | 41.89            | -3.56       | 54.0           | 12.11       | AV       | 64.00          | 300         | Horizontal | Pass    |
| 3   | 5786.400        | 105.65           | -1.65       | --             | --          | Peak     | 260.00         | 100         | Horizontal | N/A     |
| 3** | 5786.400        | 98.91            | -1.65       | --             | --          | AV       | 260.00         | 100         | Horizontal | N/A     |
| 4   | 7333.788        | 49.84            | -3.14       | 74.0           | 24.16       | Peak     | 112.00         | 400         | Horizontal | Pass    |
| 4** | 7333.788        | 40.94            | -3.14       | 54.0           | 13.06       | AV       | 112.00         | 400         | Horizontal | Pass    |
| 5   | 11501.388       | 53.35            | 0.01        | 74.0           | 20.65       | Peak     | 13.00          | 150         | Horizontal | Pass    |
| 5** | 11501.388       | 43.26            | 0.01        | 54.0           | 10.74       | AV       | 13.00          | 150         | Horizontal | Pass    |
| 6   | 16039.388       | 55.84            | 0.79        | 74.0           | 18.16       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 6** | 16039.388       | 45.99            | 0.79        | 54.0           | 8.01        | AV       | 360.00         | 400         | Horizontal | Pass    |

## 11n20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1584.400        | 40.23            | -16.97      | 74.0           | 33.77       | Peak     | 127.00         | 400         | Vertical | Pass    |
| 1** | 1584.400        | 29.54            | -16.97      | 54.0           | 24.46       | AV       | 127.00         | 400         | Vertical | Pass    |
| 2   | 3677.000        | 50.07            | -5.21       | 74.0           | 23.93       | Peak     | 46.00          | 200         | Vertical | Pass    |
| 2** | 3677.000        | 40.43            | -5.21       | 54.0           | 13.57       | AV       | 46.00          | 200         | Vertical | Pass    |
| 3   | 5782.600        | 95.30            | -1.38       | --             | --          | Peak     | 340.00         | 200         | Vertical | N/A     |
| 3** | 5782.600        | 87.51            | -1.38       | --             | --          | AV       | 340.00         | 200         | Vertical | N/A     |
| 4   | 7725.362        | 49.79            | -2.45       | 74.0           | 24.21       | Peak     | 86.00          | 100         | Vertical | Pass    |
| 4** | 7725.362        | 40.62            | -2.45       | 54.0           | 13.38       | AV       | 86.00          | 100         | Vertical | Pass    |
| 5   | 12413.912       | 53.21            | 1.42        | 74.0           | 20.79       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 12413.912       | 45.48            | 1.42        | 54.0           | 8.52        | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 15846.713       | 56.57            | 1.36        | 74.0           | 17.43       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 15846.713       | 47.21            | 1.36        | 54.0           | 6.79        | AV       | 0.00           | 200         | Vertical | Pass    |

## 11n20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1535.700        | 40.71            | -17.01      | 74.0           | 33.29       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 1** | 1535.700        | 29.43            | -17.01      | 54.0           | 24.57       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 2   | 4307.000        | 50.52            | -4.30       | 74.0           | 23.48       | Peak     | 61.00          | 200         | Horizontal | Pass    |
| 2** | 4307.000        | 41.14            | -4.30       | 54.0           | 12.86       | AV       | 61.00          | 200         | Horizontal | Pass    |
| 3   | 5823.600        | 105.47           | -2.13       | --             | --          | Peak     | 262.00         | 100         | Horizontal | N/A     |
| 3** | 5823.600        | 97.82            | -2.13       | --             | --          | AV       | 262.00         | 100         | Horizontal | N/A     |
| 4   | 7503.125        | 49.56            | -3.06       | 74.0           | 24.44       | Peak     | 34.00          | 100         | Horizontal | Pass    |
| 4** | 7503.125        | 40.53            | -3.06       | 54.0           | 13.47       | AV       | 34.00          | 100         | Horizontal | Pass    |
| 5   | 12486.075       | 53.33            | 1.65        | 74.0           | 20.67       | Peak     | 158.00         | 200         | Horizontal | Pass    |
| 5** | 12486.075       | 43.71            | 1.65        | 54.0           | 10.29       | AV       | 158.00         | 200         | Horizontal | Pass    |
| 6   | 16100.550       | 56.22            | 1.18        | 74.0           | 17.78       | Peak     | 83.00          | 400         | Horizontal | Pass    |
| 6** | 16100.550       | 46.98            | 1.18        | 54.0           | 7.02        | AV       | 83.00          | 400         | Horizontal | Pass    |

## 11n20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1587.100        | 40.57            | -16.98      | 74.0           | 33.43       | Peak     | 134.00         | 200         | Vertical | Pass    |
| 1** | 1587.100        | 29.77            | -16.98      | 54.0           | 24.23       | AV       | 134.00         | 200         | Vertical | Pass    |
| 2   | 4387.200        | 50.91            | -3.34       | 74.0           | 23.09       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 2** | 4387.200        | 41.61            | -3.34       | 54.0           | 12.39       | AV       | 360.00         | 400         | Vertical | Pass    |
| 3   | 5824.000        | 95.85            | -2.13       | --             | --          | Peak     | 292.00         | 150         | Vertical | N/A     |
| 3** | 5824.000        | 88.33            | -2.13       | --             | --          | AV       | 292.00         | 150         | Vertical | N/A     |
| 4   | 7446.200        | 50.15            | -3.13       | 74.0           | 23.85       | Peak     | 259.00         | 100         | Vertical | Pass    |
| 4** | 7446.200        | 40.43            | -3.13       | 54.0           | 13.57       | AV       | 259.00         | 100         | Vertical | Pass    |
| 5   | 11804.412       | 53.05            | 0.87        | 74.0           | 20.95       | Peak     | 358.00         | 200         | Vertical | Pass    |
| 5** | 11804.412       | 42.51            | 0.87        | 54.0           | 11.49       | AV       | 358.00         | 200         | Vertical | Pass    |
| 6   | 15810.224       | 56.44            | 2.16        | 74.0           | 17.56       | Peak     | 192.00         | 400         | Vertical | Pass    |
| 6** | 15810.224       | 47.22            | 2.16        | 54.0           | 6.78        | AV       | 192.00         | 400         | Vertical | Pass    |



## 11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1623.400        | 41.03            | -17.02      | 74.0           | 32.97       | Peak     | 42.00          | 300         | Horizontal | Pass    |
| 1** | 1623.400        | 29.15            | -17.02      | 54.0           | 24.85       | AV       | 42.00          | 300         | Horizontal | Pass    |
| 2   | 4361.000        | 50.23            | -4.05       | 74.0           | 23.77       | Peak     | 140.00         | 200         | Horizontal | Pass    |
| 2** | 4361.000        | 41.51            | -4.05       | 54.0           | 12.49       | AV       | 140.00         | 200         | Horizontal | Pass    |
| 3   | 5756.600        | 102.32           | -1.86       | --             | --          | Peak     | 245.00         | 150         | Horizontal | N/A     |
| 3** | 5756.600        | 94.68            | -1.86       | --             | --          | AV       | 245.00         | 150         | Horizontal | N/A     |
| 4   | 7627.325        | 49.80            | -2.75       | 74.0           | 24.20       | Peak     | 15.00          | 200         | Horizontal | Pass    |
| 4** | 7627.325        | 40.41            | -2.75       | 54.0           | 13.59       | AV       | 15.00          | 200         | Horizontal | Pass    |
| 5   | 12519.425       | 53.37            | 1.49        | 74.0           | 20.63       | Peak     | 53.00          | 100         | Horizontal | Pass    |
| 5** | 12519.425       | 43.24            | 1.49        | 54.0           | 10.76       | AV       | 53.00          | 100         | Horizontal | Pass    |
| 6   | 15843.299       | 56.74            | 1.39        | 74.0           | 17.26       | Peak     | 217.00         | 200         | Horizontal | Pass    |
| 6** | 15843.299       | 46.98            | 1.39        | 54.0           | 7.02        | AV       | 217.00         | 200         | Horizontal | Pass    |

## 11n40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1536.200        | 40.09            | -16.95      | 74.0           | 33.91       | Peak     | 109.00         | 200         | Vertical | Pass    |
| 1** | 1536.200        | 29.93            | -16.95      | 54.0           | 24.07       | AV       | 109.00         | 200         | Vertical | Pass    |
| 2   | 4373.000        | 50.69            | -3.89       | 74.0           | 23.31       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 2** | 4373.000        | 41.98            | -3.89       | 54.0           | 12.02       | AV       | 0.00           | 400         | Vertical | Pass    |
| 3   | 5759.600        | 91.79            | -1.63       | --             | --          | Peak     | 27.00          | 150         | Vertical | N/A     |
| 3** | 5759.600        | 84.26            | -1.63       | --             | --          | AV       | 27.00          | 150         | Vertical | N/A     |
| 4   | 7333.500        | 50.11            | -3.12       | 74.0           | 23.89       | Peak     | 28.00          | 400         | Vertical | Pass    |
| 4** | 7333.500        | 41.22            | -3.12       | 54.0           | 12.78       | AV       | 28.00          | 400         | Vertical | Pass    |
| 5   | 12281.375       | 53.39            | 1.80        | 74.0           | 20.61       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 12281.375       | 44.36            | 1.80        | 54.0           | 9.64        | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 16028.625       | 56.30            | 0.70        | 74.0           | 17.70       | Peak     | 156.00         | 400         | Vertical | Pass    |
| 6** | 16028.625       | 46.74            | 0.70        | 54.0           | 7.26        | AV       | 156.00         | 400         | Vertical | Pass    |

## 11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1550.400        | 39.61            | -17.22      | 74.0           | 34.39       | Peak     | 130.00         | 200         | Horizontal | Pass    |
| 1** | 1550.400        | 28.96            | -17.22      | 54.0           | 25.04       | AV       | 130.00         | 200         | Horizontal | Pass    |
| 2   | 4352.800        | 50.95            | -4.38       | 74.0           | 23.05       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 2** | 4352.800        | 40.70            | -4.38       | 54.0           | 13.30       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 3   | 5793.400        | 102.67           | -1.80       | --             | --          | Peak     | 270.00         | 200         | Horizontal | N/A     |
| 3** | 5793.400        | 95.35            | -1.80       | --             | --          | AV       | 270.00         | 200         | Horizontal | N/A     |
| 4   | 7511.175        | 49.72            | -3.20       | 74.0           | 24.28       | Peak     | 260.00         | 200         | Horizontal | Pass    |
| 4** | 7511.175        | 40.66            | -3.20       | 54.0           | 13.34       | AV       | 260.00         | 200         | Horizontal | Pass    |
| 5   | 12312.138       | 53.45            | 1.38        | 74.0           | 20.55       | Peak     | 224.00         | 200         | Horizontal | Pass    |
| 5** | 12312.138       | 44.90            | 1.38        | 54.0           | 9.10        | AV       | 224.00         | 200         | Horizontal | Pass    |
| 6   | 15817.838       | 56.39            | 1.96        | 74.0           | 17.61       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 15817.838       | 47.61            | 1.96        | 54.0           | 6.39        | AV       | 360.00         | 200         | Horizontal | Pass    |

## 11n40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1533.500        | 40.05            | -17.17      | 74.0           | 33.95       | Peak     | 101.00         | 400         | Vertical | Pass    |
| 1** | 1533.500        | 29.41            | -17.17      | 54.0           | 24.59       | AV       | 101.00         | 400         | Vertical | Pass    |
| 2   | 4380.600        | 51.35            | -3.42       | 74.0           | 22.65       | Peak     | 167.00         | 300         | Vertical | Pass    |
| 2** | 4380.600        | 41.77            | -3.42       | 54.0           | 12.23       | AV       | 167.00         | 300         | Vertical | Pass    |
| 3   | 5799.200        | 91.68            | -1.64       | --             | --          | Peak     | 341.00         | 200         | Vertical | N/A     |
| 3** | 5799.200        | 83.75            | -1.64       | --             | --          | AV       | 341.00         | 200         | Vertical | N/A     |
| 4   | 7319.125        | 49.81            | -3.01       | 74.0           | 24.19       | Peak     | 261.00         | 400         | Vertical | Pass    |
| 4** | 7319.125        | 40.83            | -3.01       | 54.0           | 13.17       | AV       | 261.00         | 400         | Vertical | Pass    |
| 5   | 12696.237       | 53.44            | 0.83        | 74.0           | 20.56       | Peak     | 15.00          | 150         | Vertical | Pass    |
| 5** | 12696.237       | 44.01            | 0.83        | 54.0           | 9.99        | AV       | 15.00          | 150         | Vertical | Pass    |
| 6   | 15791.325       | 55.98            | 2.05        | 74.0           | 18.02       | Peak     | 116.00         | 200         | Vertical | Pass    |
| 6** | 15791.325       | 46.96            | 2.05        | 54.0           | 7.04        | AV       | 116.00         | 200         | Vertical | Pass    |

## 11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1529.900        | 40.51            | -17.18      | 74.0           | 33.49       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1529.900        | 29.94            | -17.18      | 54.0           | 24.06       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 4380.000        | 50.33            | -3.32       | 74.0           | 23.67       | Peak     | 82.00          | 100         | Horizontal | Pass    |
| 2** | 4380.000        | 43.03            | -3.32       | 54.0           | 10.97       | AV       | 82.00          | 100         | Horizontal | Pass    |
| 3   | 5747.400        | 104.99           | -2.21       | --             | --          | Peak     | 258.00         | 150         | Horizontal | N/A     |
| 3** | 5747.400        | 98.07            | -2.21       | --             | --          | AV       | 258.00         | 150         | Horizontal | N/A     |
| 4   | 7615.538        | 49.36            | -2.67       | 74.0           | 24.64       | Peak     | 254.00         | 400         | Horizontal | Pass    |
| 4** | 7615.538        | 41.02            | -2.67       | 54.0           | 12.98       | AV       | 254.00         | 400         | Horizontal | Pass    |
| 5   | 12442.375       | 53.83            | 1.79        | 74.0           | 20.17       | Peak     | 59.00          | 100         | Horizontal | Pass    |
| 5** | 12442.375       | 43.57            | 1.79        | 54.0           | 10.43       | AV       | 59.00          | 100         | Horizontal | Pass    |
| 6   | 15805.763       | 56.06            | 2.25        | 74.0           | 17.94       | Peak     | 236.00         | 100         | Horizontal | Pass    |
| 6** | 15805.763       | 47.02            | 2.25        | 54.0           | 6.98        | AV       | 236.00         | 100         | Horizontal | Pass    |

## 11ac20, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1573.700        | 39.47            | -17.10      | 74.0           | 34.53       | Peak     | 128.00         | 300         | Vertical | Pass    |
| 1** | 1573.700        | 29.72            | -17.10      | 54.0           | 24.28       | AV       | 128.00         | 300         | Vertical | Pass    |
| 2   | 4343.600        | 50.94            | -3.66       | 74.0           | 23.06       | Peak     | 215.00         | 400         | Vertical | Pass    |
| 2** | 4343.600        | 41.69            | -3.66       | 54.0           | 12.31       | AV       | 215.00         | 400         | Vertical | Pass    |
| 3   | 5743.800        | 95.09            | -2.07       | --             | --          | Peak     | 338.00         | 200         | Vertical | N/A     |
| 3** | 5743.800        | 86.76            | -2.07       | --             | --          | AV       | 338.00         | 200         | Vertical | N/A     |
| 4   | 7724.500        | 49.84            | -2.42       | 74.0           | 24.16       | Peak     | 314.00         | 400         | Vertical | Pass    |
| 4** | 7724.500        | 41.64            | -2.42       | 54.0           | 12.36       | AV       | 314.00         | 400         | Vertical | Pass    |
| 5   | 11963.112       | 53.14            | 0.88        | 74.0           | 20.86       | Peak     | 246.00         | 200         | Vertical | Pass    |
| 5** | 11963.112       | 43.67            | 0.88        | 54.0           | 10.33       | AV       | 246.00         | 200         | Vertical | Pass    |
| 6   | 15675.037       | 56.00            | 1.54        | 74.0           | 18.00       | Peak     | 245.00         | 400         | Vertical | Pass    |
| 6** | 15675.037       | 46.35            | 1.54        | 54.0           | 7.65        | AV       | 245.00         | 400         | Vertical | Pass    |

## 11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1488.300        | 40.28            | -16.80      | 74.0           | 33.72       | Peak     | 58.00          | 400         | Horizontal | Pass    |
| 1** | 1488.300        | 29.85            | -16.80      | 54.0           | 24.15       | AV       | 58.00          | 400         | Horizontal | Pass    |
| 2   | 4362.000        | 50.39            | -4.20       | 74.0           | 23.61       | Peak     | 58.00          | 300         | Horizontal | Pass    |
| 2** | 4362.000        | 41.57            | -4.20       | 54.0           | 12.43       | AV       | 58.00          | 300         | Horizontal | Pass    |
| 3   | 5783.600        | 106.20           | -1.51       | --             | --          | Peak     | 262.00         | 100         | Horizontal | N/A     |
| 3** | 5783.600        | 99.30            | -1.51       | --             | --          | AV       | 262.00         | 100         | Horizontal | N/A     |
| 4   | 7503.413        | 49.60            | -3.05       | 74.0           | 24.40       | Peak     | 302.00         | 200         | Horizontal | Pass    |
| 4** | 7503.413        | 40.91            | -3.05       | 54.0           | 13.09       | AV       | 302.00         | 200         | Horizontal | Pass    |
| 5   | 10934.725       | 53.19            | -0.01       | 74.0           | 20.81       | Peak     | 70.00          | 200         | Horizontal | Pass    |
| 5** | 10934.725       | 43.77            | -0.01       | 54.0           | 10.23       | AV       | 70.00          | 200         | Horizontal | Pass    |
| 6   | 16178.250       | 56.09            | 1.44        | 74.0           | 17.91       | Peak     | 159.00         | 400         | Horizontal | Pass    |
| 6** | 16178.250       | 46.31            | 1.44        | 54.0           | 7.69        | AV       | 159.00         | 400         | Horizontal | Pass    |

## 11ac20, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1531.200        | 40.38            | -17.20      | 74.0           | 33.62       | Peak     | 112.00         | 300         | Vertical | Pass    |
| 1** | 1531.200        | 29.50            | -17.20      | 54.0           | 24.50       | AV       | 112.00         | 300         | Vertical | Pass    |
| 2   | 4384.000        | 50.44            | -3.64       | 74.0           | 23.56       | Peak     | 181.00         | 200         | Vertical | Pass    |
| 2** | 4384.000        | 42.55            | -3.64       | 54.0           | 11.45       | AV       | 181.00         | 200         | Vertical | Pass    |
| 3   | 5782.200        | 95.05            | -1.33       | --             | --          | Peak     | 340.00         | 200         | Vertical | N/A     |
| 3** | 5782.200        | 87.02            | -1.33       | --             | --          | AV       | 340.00         | 200         | Vertical | N/A     |
| 4   | 7338.962        | 49.98            | -2.92       | 74.0           | 24.02       | Peak     | 302.00         | 200         | Vertical | Pass    |
| 4** | 7338.962        | 41.00            | -2.92       | 54.0           | 13.00       | AV       | 302.00         | 200         | Vertical | Pass    |
| 5   | 10937.026       | 53.06            | -0.03       | 74.0           | 20.94       | Peak     | 51.00          | 200         | Vertical | Pass    |
| 5** | 10937.026       | 43.45            | -0.03       | 54.0           | 10.55       | AV       | 51.00          | 200         | Vertical | Pass    |
| 6   | 15827.287       | 56.12            | 1.57        | 74.0           | 17.88       | Peak     | 260.00         | 100         | Vertical | Pass    |
| 6** | 15827.287       | 46.34            | 1.57        | 54.0           | 7.66        | AV       | 260.00         | 100         | Vertical | Pass    |

## 11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1487.500        | 39.70            | -16.81      | 74.0           | 34.30       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1487.500        | 29.71            | -16.81      | 54.0           | 24.29       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 4387.000        | 50.05            | -3.33       | 74.0           | 23.95       | Peak     | 135.00         | 400         | Horizontal | Pass    |
| 2** | 4387.000        | 41.63            | -3.33       | 54.0           | 12.37       | AV       | 135.00         | 400         | Horizontal | Pass    |
| 3   | 5823.200        | 105.58           | -2.13       | --             | --          | Peak     | 260.00         | 150         | Horizontal | N/A     |
| 3** | 5823.200        | 98.07            | -2.13       | --             | --          | AV       | 260.00         | 150         | Horizontal | N/A     |
| 4   | 7405.375        | 50.58            | -3.74       | 74.0           | 23.42       | Peak     | 33.00          | 100         | Horizontal | Pass    |
| 4** | 7405.375        | 39.93            | -3.74       | 54.0           | 14.07       | AV       | 33.00          | 100         | Horizontal | Pass    |
| 5   | 12392.063       | 53.73            | 1.58        | 74.0           | 20.27       | Peak     | 237.00         | 100         | Horizontal | Pass    |
| 5** | 12392.063       | 43.58            | 1.58        | 54.0           | 10.42       | AV       | 237.00         | 100         | Horizontal | Pass    |
| 6   | 15835.162       | 56.30            | 1.45        | 74.0           | 17.70       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 6** | 15835.162       | 47.01            | 1.45        | 54.0           | 6.99        | AV       | 0.00           | 100         | Horizontal | Pass    |

## 11ac20, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1575.700        | 40.64            | -17.25      | 74.0           | 33.36       | Peak     | 115.00         | 300         | Vertical | Pass    |
| 1** | 1575.700        | 28.93            | -17.25      | 54.0           | 25.07       | AV       | 115.00         | 300         | Vertical | Pass    |
| 2   | 4362.400        | 50.13            | -4.26       | 74.0           | 23.87       | Peak     | 5.00           | 300         | Vertical | Pass    |
| 2** | 4362.400        | 41.10            | -4.26       | 54.0           | 12.90       | AV       | 5.00           | 300         | Vertical | Pass    |
| 3   | 5826.800        | 95.49            | -2.00       | --             | --          | Peak     | 301.00         | 150         | Vertical | N/A     |
| 3** | 5826.800        | 87.65            | -2.00       | --             | --          | AV       | 301.00         | 150         | Vertical | N/A     |
| 4   | 7361.388        | 50.33            | -3.82       | 74.0           | 23.67       | Peak     | 309.00         | 200         | Vertical | Pass    |
| 4** | 7361.388        | 39.72            | -3.82       | 54.0           | 14.28       | AV       | 309.00         | 200         | Vertical | Pass    |
| 5   | 12317.025       | 53.66            | 1.41        | 74.0           | 20.34       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12317.025       | 44.28            | 1.41        | 54.0           | 9.72        | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15804.450       | 56.02            | 2.28        | 74.0           | 17.98       | Peak     | 213.00         | 300         | Vertical | Pass    |
| 6** | 15804.450       | 47.19            | 2.28        | 54.0           | 6.81        | AV       | 213.00         | 300         | Vertical | Pass    |

## 11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1624.200        | 39.72            | -17.08      | 74.0           | 34.28       | Peak     | 15.00          | 400         | Horizontal | Pass    |
| 1** | 1624.200        | 29.85            | -17.08      | 54.0           | 24.15       | AV       | 15.00          | 400         | Horizontal | Pass    |
| 2   | 4379.200        | 50.56            | -3.34       | 74.0           | 23.44       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 2** | 4379.200        | 41.73            | -3.34       | 54.0           | 12.27       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 3   | 5752.000        | 102.26           | -2.01       | --             | --          | Peak     | 261.00         | 100         | Horizontal | N/A     |
| 3** | 5752.000        | 94.80            | -2.01       | --             | --          | AV       | 261.00         | 100         | Horizontal | N/A     |
| 4   | 7625.312        | 50.07            | -2.86       | 74.0           | 23.93       | Peak     | 196.00         | 300         | Horizontal | Pass    |
| 4** | 7625.312        | 40.86            | -2.86       | 54.0           | 13.14       | AV       | 196.00         | 300         | Horizontal | Pass    |
| 5   | 11933.500       | 53.62            | 1.65        | 74.0           | 20.38       | Peak     | 310.00         | 100         | Horizontal | Pass    |
| 5** | 11933.500       | 43.56            | 1.65        | 54.0           | 10.44       | AV       | 310.00         | 100         | Horizontal | Pass    |
| 6   | 15793.950       | 56.23            | 2.13        | 74.0           | 17.77       | Peak     | 129.00         | 400         | Horizontal | Pass    |
| 6** | 15793.950       | 47.27            | 2.13        | 54.0           | 6.73        | AV       | 129.00         | 400         | Horizontal | Pass    |

## 11ac40, U-NII-3, 1 GHz to 18 GHz, Low Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1551.100        | 40.07            | -17.10      | 74.0           | 33.93       | Peak     | 107.00         | 400         | Vertical | Pass    |
| 1** | 1551.100        | 29.91            | -17.10      | 54.0           | 24.09       | AV       | 107.00         | 400         | Vertical | Pass    |
| 2   | 4358.400        | 50.39            | -4.15       | 74.0           | 23.61       | Peak     | 139.00         | 200         | Vertical | Pass    |
| 2** | 4358.400        | 41.45            | -4.15       | 54.0           | 12.55       | AV       | 139.00         | 200         | Vertical | Pass    |
| 3   | 5757.200        | 92.18            | -1.77       | --             | --          | Peak     | 21.00          | 150         | Vertical | N/A     |
| 3** | 5757.200        | 85.11            | -1.77       | --             | --          | AV       | 21.00          | 150         | Vertical | N/A     |
| 4   | 7342.987        | 50.80            | -3.31       | 74.0           | 23.20       | Peak     | 318.00         | 300         | Vertical | Pass    |
| 4** | 7342.987        | 40.44            | -3.31       | 54.0           | 13.56       | AV       | 318.00         | 300         | Vertical | Pass    |
| 5   | 12266.424       | 53.68            | 1.34        | 74.0           | 20.32       | Peak     | 222.00         | 200         | Vertical | Pass    |
| 5** | 12266.424       | 44.40            | 1.34        | 54.0           | 9.60        | AV       | 222.00         | 200         | Vertical | Pass    |
| 6   | 15799.987       | 56.21            | 2.33        | 74.0           | 17.79       | Peak     | 146.00         | 200         | Vertical | Pass    |
| 6** | 15799.987       | 47.21            | 2.33        | 54.0           | 6.79        | AV       | 146.00         | 200         | Vertical | Pass    |

## 11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1584.100        | 39.75            | -17.02      | 74.0           | 34.25       | Peak     | 27.00          | 200         | Horizontal | Pass    |
| 1** | 1584.100        | 28.98            | -17.02      | 54.0           | 25.02       | AV       | 27.00          | 200         | Horizontal | Pass    |
| 2   | 4360.600        | 50.72            | -4.00       | 74.0           | 23.28       | Peak     | 45.00          | 400         | Horizontal | Pass    |
| 2** | 4360.600        | 41.67            | -4.00       | 54.0           | 12.33       | AV       | 45.00          | 400         | Horizontal | Pass    |
| 3   | 5792.200        | 102.79           | -1.87       | --             | --          | Peak     | 265.00         | 200         | Horizontal | N/A     |
| 3** | 5792.200        | 94.98            | -1.87       | --             | --          | AV       | 265.00         | 200         | Horizontal | N/A     |
| 4   | 7324.875        | 49.57            | -3.47       | 74.0           | 24.43       | Peak     | 48.00          | 400         | Horizontal | Pass    |
| 4** | 7324.875        | 41.38            | -3.47       | 54.0           | 12.62       | AV       | 48.00          | 400         | Horizontal | Pass    |
| 5   | 12436.338       | 53.31            | 1.72        | 74.0           | 20.69       | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 5** | 12436.338       | 43.64            | 1.72        | 54.0           | 10.36       | AV       | 170.00         | 150         | Horizontal | Pass    |
| 6   | 15814.950       | 56.76            | 2.06        | 74.0           | 17.24       | Peak     | 204.00         | 300         | Horizontal | Pass    |
| 6** | 15814.950       | 46.71            | 2.06        | 54.0           | 7.29        | AV       | 204.00         | 300         | Horizontal | Pass    |

## 11ac40, U-NII-3, 1 GHz to 18 GHz, High Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1568.300        | 40.29            | -17.17      | 74.0           | 33.71       | Peak     | 98.00          | 400         | Vertical | Pass    |
| 1** | 1568.300        | 29.28            | -17.17      | 54.0           | 24.72       | AV       | 98.00          | 400         | Vertical | Pass    |
| 2   | 4379.200        | 51.23            | -3.34       | 74.0           | 22.77       | Peak     | 352.00         | 200         | Vertical | Pass    |
| 2** | 4379.200        | 42.15            | -3.34       | 54.0           | 11.85       | AV       | 352.00         | 200         | Vertical | Pass    |
| 3   | 5791.400        | 91.31            | -1.89       | --             | --          | Peak     | 342.00         | 100         | Vertical | N/A     |
| 3** | 5791.400        | 84.17            | -1.89       | --             | --          | AV       | 342.00         | 100         | Vertical | N/A     |
| 4   | 7604.325        | 50.56            | -2.86       | 74.0           | 23.44       | Peak     | 341.00         | 300         | Vertical | Pass    |
| 4** | 7604.325        | 40.34            | -2.86       | 54.0           | 13.66       | AV       | 341.00         | 300         | Vertical | Pass    |
| 5   | 11949.887       | 54.13            | 1.40        | 74.0           | 19.87       | Peak     | 49.00          | 150         | Vertical | Pass    |
| 5** | 11949.887       | 43.91            | 1.40        | 54.0           | 10.09       | AV       | 49.00          | 150         | Vertical | Pass    |
| 6   | 16042.537       | 56.55            | 0.77        | 74.0           | 17.45       | Peak     | 343.00         | 400         | Vertical | Pass    |
| 6** | 16042.537       | 46.90            | 0.77        | 54.0           | 7.10        | AV       | 343.00         | 400         | Vertical | Pass    |

## 11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1502.500        | 39.69            | -17.05      | 74.0           | 34.31       | Peak     | 51.00          | 400         | Horizontal | Pass    |
| 1** | 1502.500        | 29.67            | -17.05      | 54.0           | 24.33       | AV       | 51.00          | 400         | Horizontal | Pass    |
| 2   | 4355.800        | 49.94            | -4.18       | 74.0           | 24.06       | Peak     | 352.00         | 400         | Horizontal | Pass    |
| 2** | 4355.800        | 41.22            | -4.18       | 54.0           | 12.78       | AV       | 352.00         | 400         | Horizontal | Pass    |
| 3   | 5771.800        | 100.38           | -1.97       | --             | --          | Peak     | 239.00         | 200         | Horizontal | N/A     |
| 3** | 5771.800        | 92.51            | -1.97       | --             | --          | AV       | 239.00         | 200         | Horizontal | N/A     |
| 4   | 7337.238        | 49.85            | -2.96       | 74.0           | 24.15       | Peak     | 236.00         | 300         | Horizontal | Pass    |
| 4** | 7337.238        | 40.31            | -2.96       | 54.0           | 13.69       | AV       | 236.00         | 300         | Horizontal | Pass    |
| 5   | 11621.276       | 53.30            | -0.06       | 74.0           | 20.70       | Peak     | 77.00          | 150         | Horizontal | Pass    |
| 5** | 11621.276       | 43.59            | -0.06       | 54.0           | 10.41       | AV       | 77.00          | 150         | Horizontal | Pass    |
| 6   | 16029.412       | 56.18            | 0.71        | 74.0           | 17.82       | Peak     | 253.00         | 300         | Horizontal | Pass    |
| 6** | 16029.412       | 46.99            | 0.71        | 54.0           | 7.01        | AV       | 253.00         | 300         | Horizontal | Pass    |

## 11ac80, U-NII-3, 1 GHz to 18 GHz, Middle Channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1530.900        | 40.31            | -17.20      | 74.0           | 33.69       | Peak     | 103.00         | 200         | Vertical | Pass    |
| 1** | 1530.900        | 30.39            | -17.20      | 54.0           | 23.61       | AV       | 103.00         | 200         | Vertical | Pass    |
| 2   | 4386.800        | 50.72            | -3.31       | 74.0           | 23.28       | Peak     | 65.00          | 200         | Vertical | Pass    |
| 2** | 4386.800        | 42.17            | -3.31       | 54.0           | 11.83       | AV       | 65.00          | 200         | Vertical | Pass    |
| 3   | 5775.000        | 89.41            | -2.09       | --             | --          | Peak     | 340.00         | 100         | Vertical | N/A     |
| 3** | 5775.000        | 77.07            | -2.09       | --             | --          | AV       | 340.00         | 100         | Vertical | N/A     |
| 4   | 7547.400        | 50.06            | -2.74       | 74.0           | 23.94       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7547.400        | 40.19            | -2.74       | 54.0           | 13.81       | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 12445.250       | 53.94            | 1.82        | 74.0           | 20.06       | Peak     | 51.00          | 150         | Vertical | Pass    |
| 5** | 12445.250       | 44.05            | 1.82        | 54.0           | 9.95        | AV       | 51.00          | 150         | Vertical | Pass    |
| 6   | 15665.588       | 56.26            | 1.35        | 74.0           | 17.74       | Peak     | 301.00         | 400         | Vertical | Pass    |
| 6** | 15665.588       | 47.45            | 1.35        | 54.0           | 6.55        | AV       | 301.00         | 400         | Vertical | Pass    |



## A.6.2 Band Edge (Restricted-band)

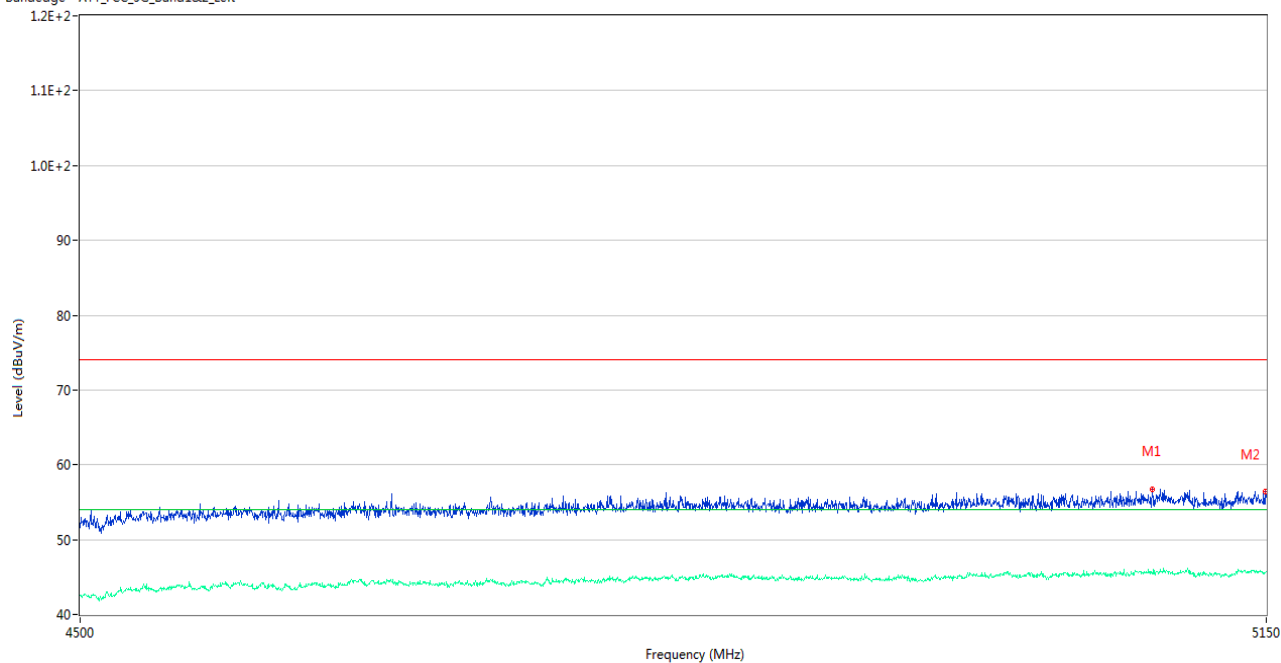
| Test Band | Mode            | Channel | Verdict |
|-----------|-----------------|---------|---------|
| U-NII-1   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
| U-NII-2A  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
| U-NII-2C  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
| U-NII-3   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT80) | Low     | Pass    |
|           |                 | High    | Pass    |

|  |                 |        |      |
|--|-----------------|--------|------|
|  | 802.11ac(VHT20) | Low    | Pass |
|  |                 | High   | Pass |
|  | 802.11ac(VHT40) | Low    | Pass |
|  |                 | High   | Pass |
|  | 802.11ac(VHT80) | Middle | Pass |

## Test Data and Plots

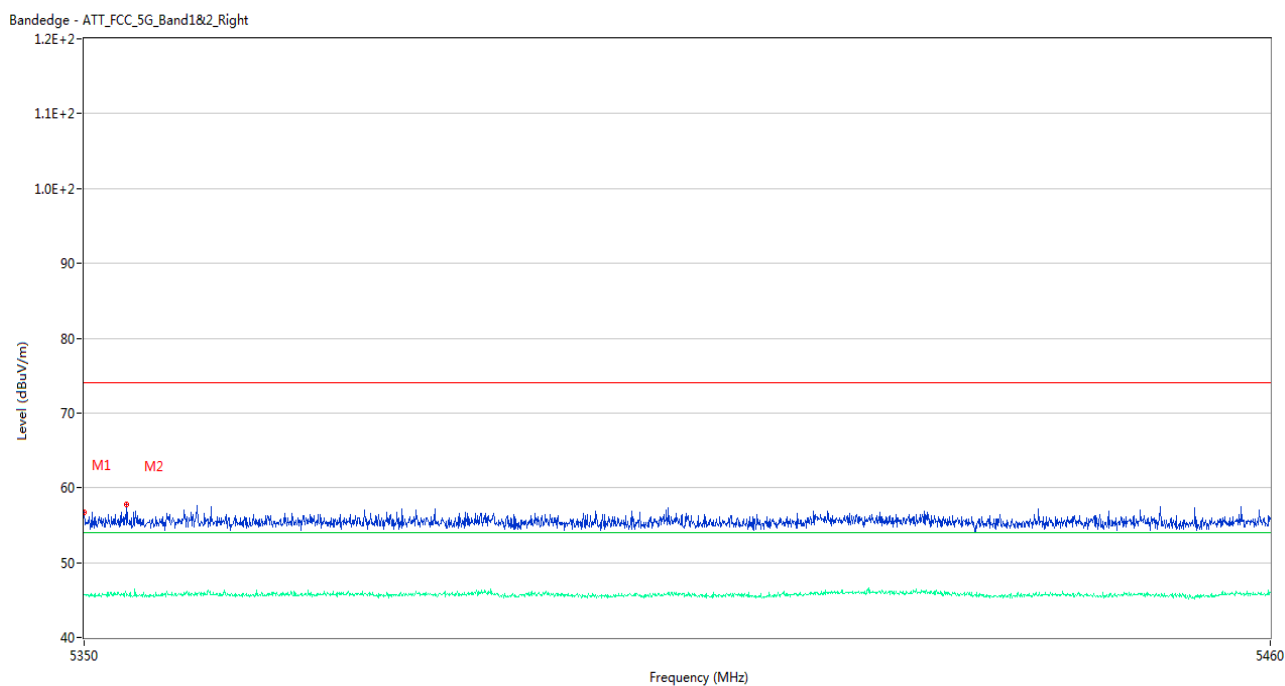
### U-NII-1 11a Low Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5083.375        | 56.78            | 2.25        | 74.0           | 17.22       | Peak     | 27.00          | 200         | Horizontal | Pass    |
| 1** | 5083.375        | 45.45            | 2.25        | 54.0           | 8.55        | AV       | 27.00          | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 56.36            | 2.07        | 74.0           | 17.64       | Peak     | 201.00         | 100         | Horizontal | Pass    |
| 2** | 5149.675        | 45.64            | 2.07        | 54.0           | 8.36        | AV       | 201.00         | 100         | Horizontal | Pass    |

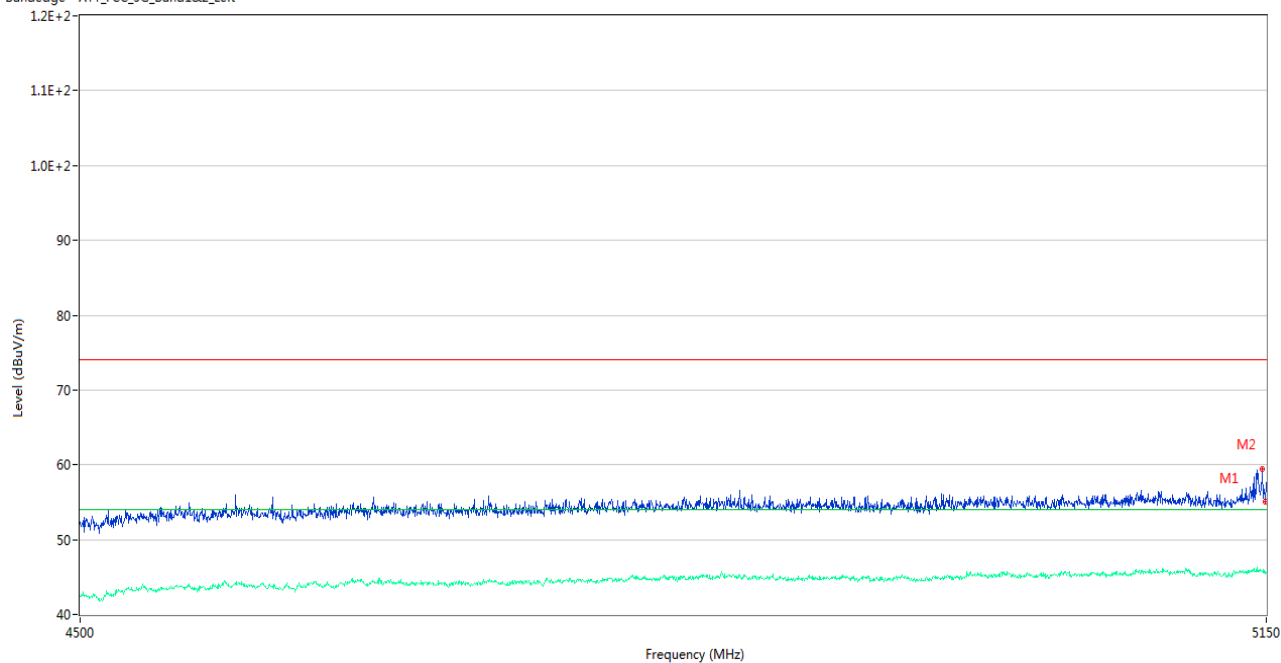
## U-NII-1 11a High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 56.77            | 1.93        | 74.0           | 17.23       | Peak     | 306.00         | 150         | Horizontal | Pass    |
| 1** | 5350.000        | 45.65            | 1.93        | 54.0           | 8.35        | AV       | 306.00         | 150         | Horizontal | Pass    |
| 2   | 5353.905        | 57.71            | 2.11        | 74.0           | 16.29       | Peak     | 248.00         | 100         | Horizontal | Pass    |
| 2** | 5353.905        | 45.63            | 2.11        | 54.0           | 8.37        | AV       | 248.00         | 100         | Horizontal | Pass    |

## U-NII-1 11n20 Low Channel

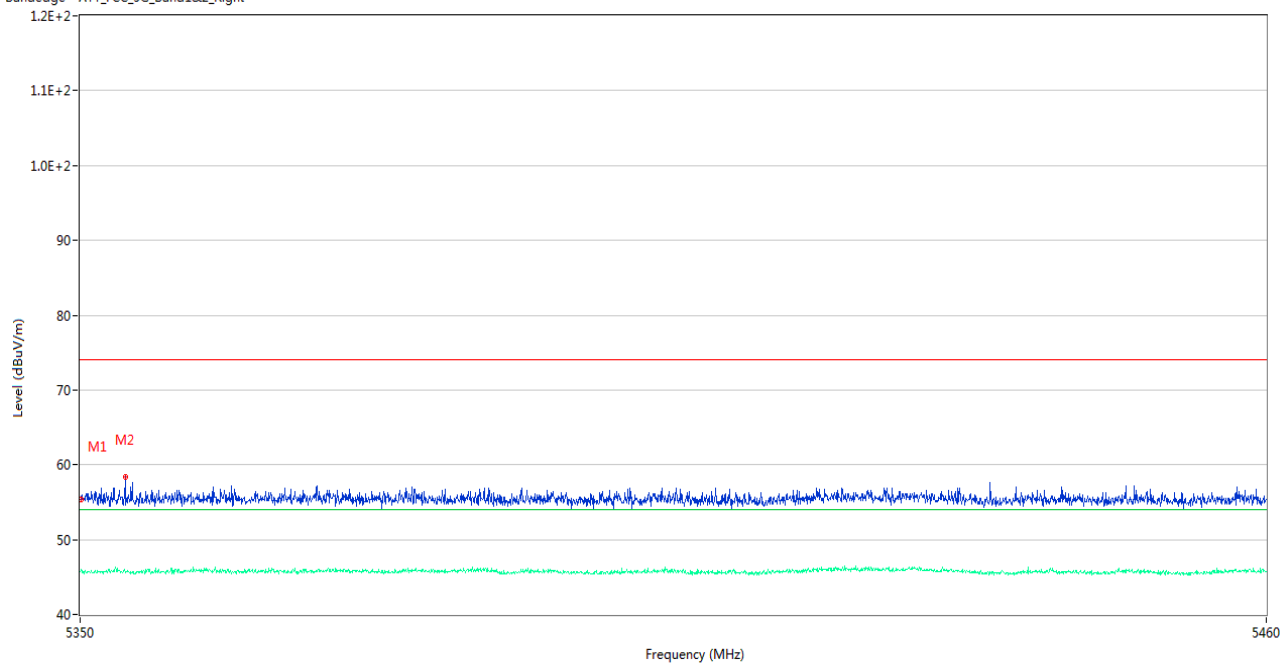
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5147.725        | 59.47            | 2.18        | 74.0           | 14.53       | Peak     | 274.00         | 100         | Horizontal | Pass    |
| 1** | 5147.725        | 45.70            | 2.18        | 54.0           | 8.30        | AV       | 274.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.09            | 2.07        | 74.0           | 18.91       | Peak     | 56.00          | 100         | Horizontal | Pass    |
| 2** | 5149.675        | 45.76            | 2.07        | 54.0           | 8.24        | AV       | 56.00          | 100         | Horizontal | Pass    |

## U-NII-1 11n20 High Channel

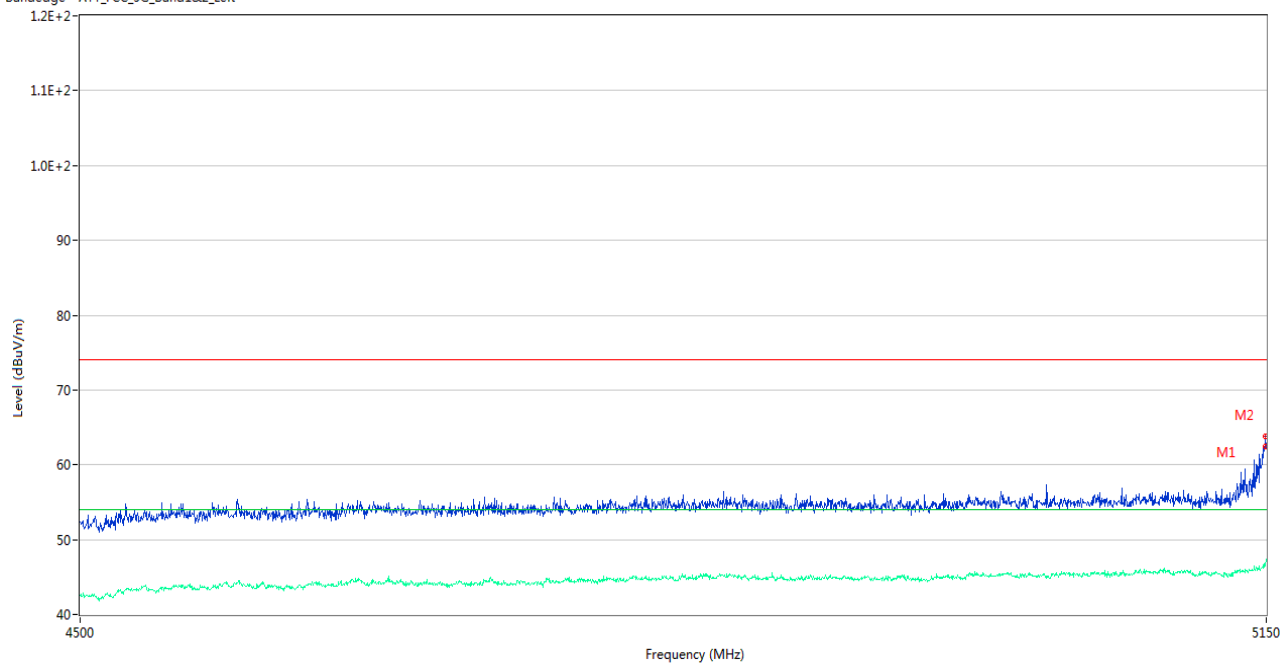
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.44            | 1.93        | 74.0           | 18.56       | Peak     | 79.00          | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 45.89            | 1.93        | 54.0           | 8.11        | AV       | 79.00          | 100         | Horizontal | Pass    |
| 2   | 5354.125        | 58.36            | 2.10        | 74.0           | 15.64       | Peak     | 278.00         | 100         | Horizontal | Pass    |
| 2** | 5354.125        | 45.64            | 2.10        | 54.0           | 8.36        | AV       | 278.00         | 100         | Horizontal | Pass    |

## U-NII-1 11n40 Low Channel

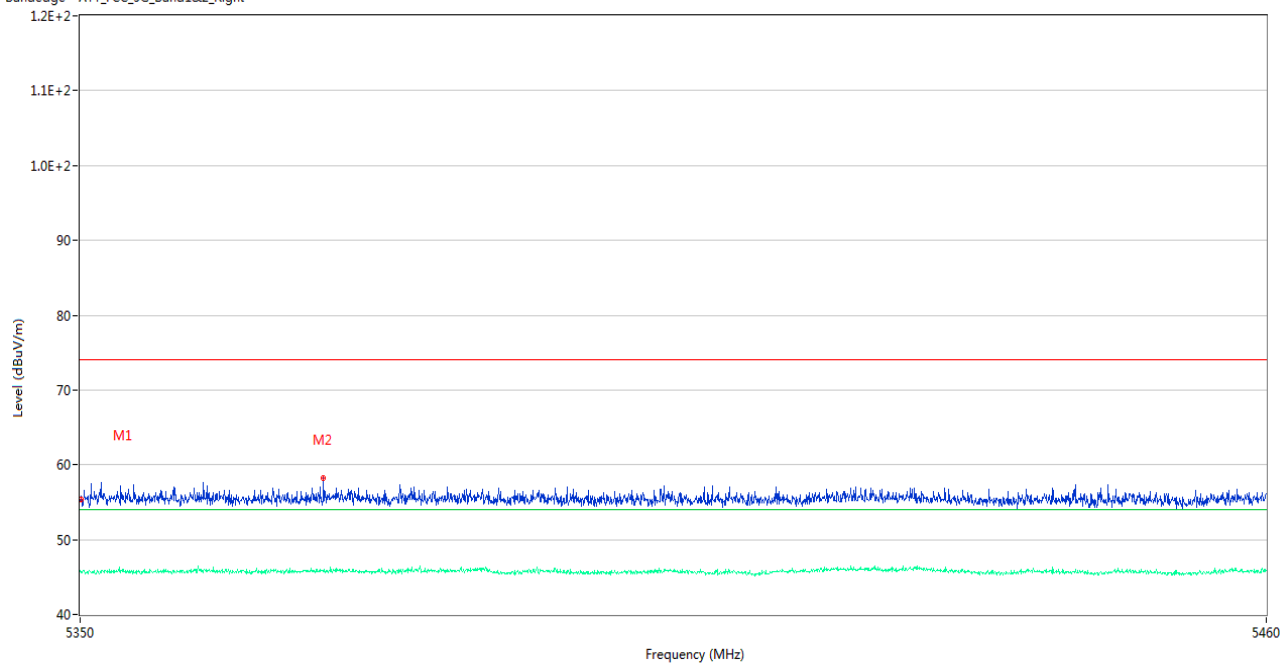
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.350        | 62.47            | 2.05        | 74.0           | 11.53       | Peak     | 46.00          | 150         | Horizontal | Pass    |
| 1** | 5149.350        | 46.50            | 2.05        | 54.0           | 7.50        | AV       | 46.00          | 150         | Horizontal | Pass    |
| 2   | 5149.675        | 63.75            | 2.07        | 74.0           | 10.25       | Peak     | 266.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 46.49            | 2.07        | 54.0           | 7.51        | AV       | 266.00         | 200         | Horizontal | Pass    |

## U-NII-1 11n40 High Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right

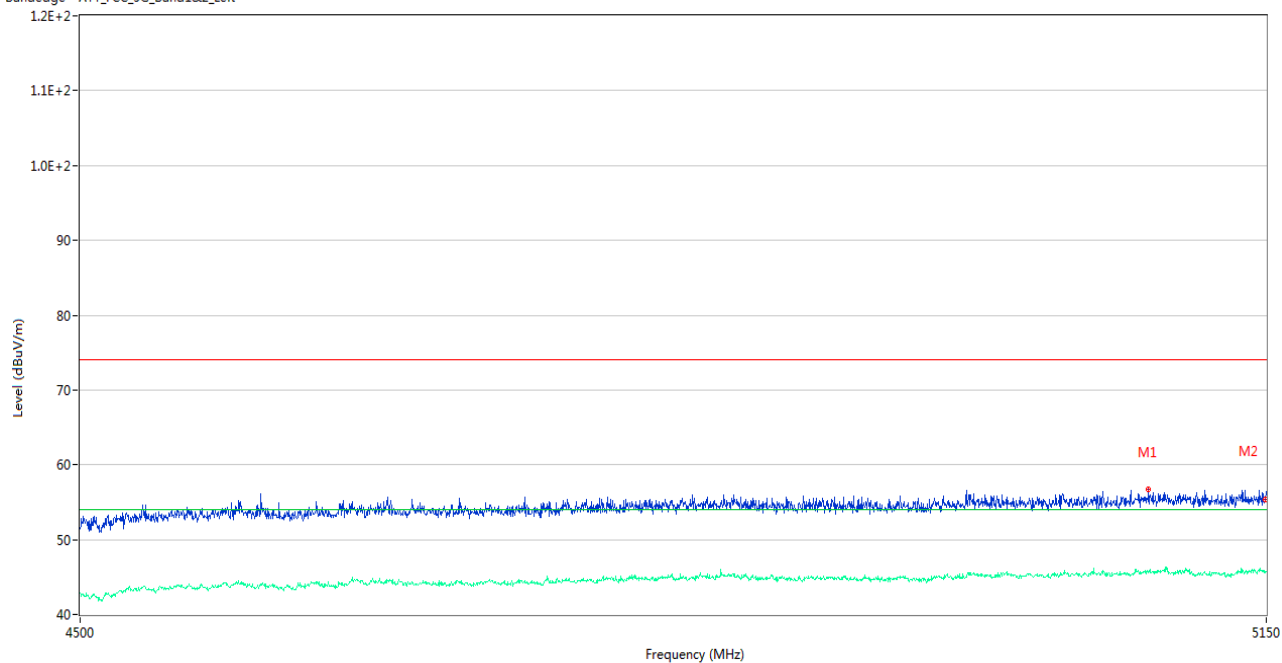


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.36            | 1.93        | 74.0           | 18.64       | Peak     | 349.00         | 150         | Horizontal | Pass    |
| 1** | 5350.055        | 45.63            | 1.93        | 54.0           | 8.37        | AV       | 349.00         | 150         | Horizontal | Pass    |
| 2   | 5372.385        | 58.28            | 2.26        | 74.0           | 15.72       | Peak     | 264.00         | 100         | Horizontal | Pass    |
| 2** | 5372.385        | 45.83            | 2.26        | 54.0           | 8.17        | AV       | 264.00         | 100         | Horizontal | Pass    |



## U-NII-1 11ac20 Low Channel

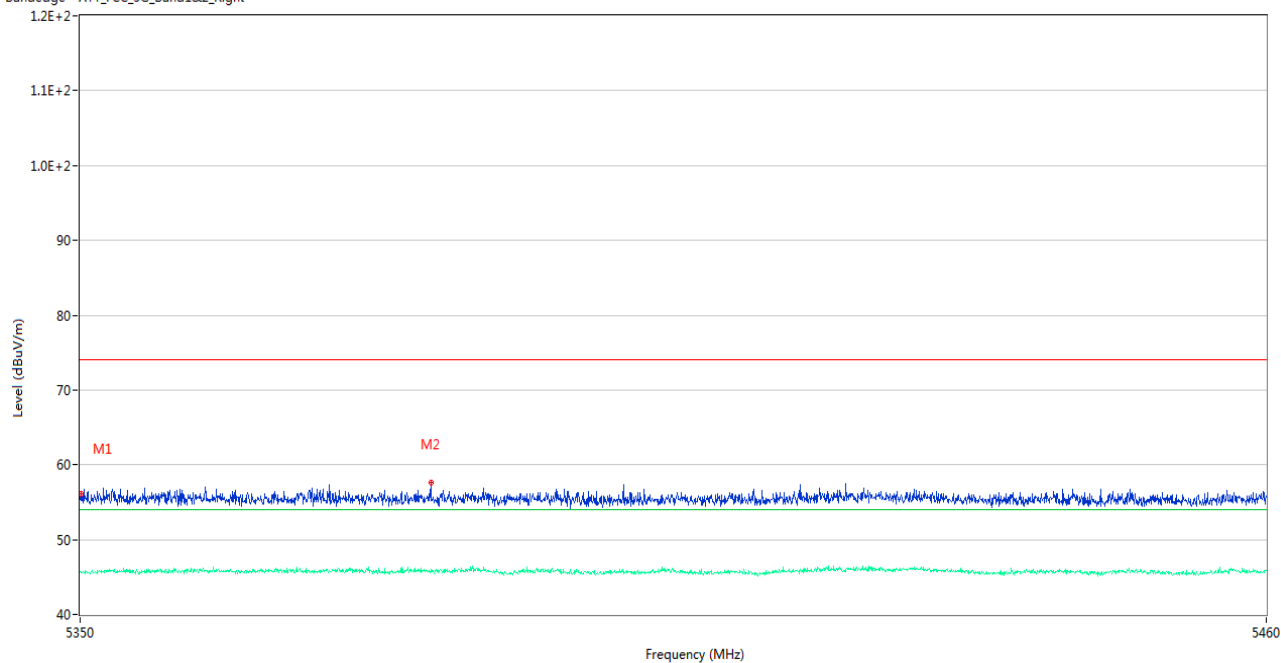
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5081.425        | 56.74            | 2.37        | 74.0           | 17.26       | Peak     | 219.00         | 200         | Horizontal | Pass    |
| 1** | 5081.425        | 45.70            | 2.37        | 54.0           | 8.30        | AV       | 219.00         | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 55.37            | 2.07        | 74.0           | 18.63       | Peak     | 282.00         | 100         | Horizontal | Pass    |
| 2** | 5149.675        | 45.55            | 2.07        | 54.0           | 8.45        | AV       | 282.00         | 100         | Horizontal | Pass    |

## U-NII-1 11ac20 High Channel

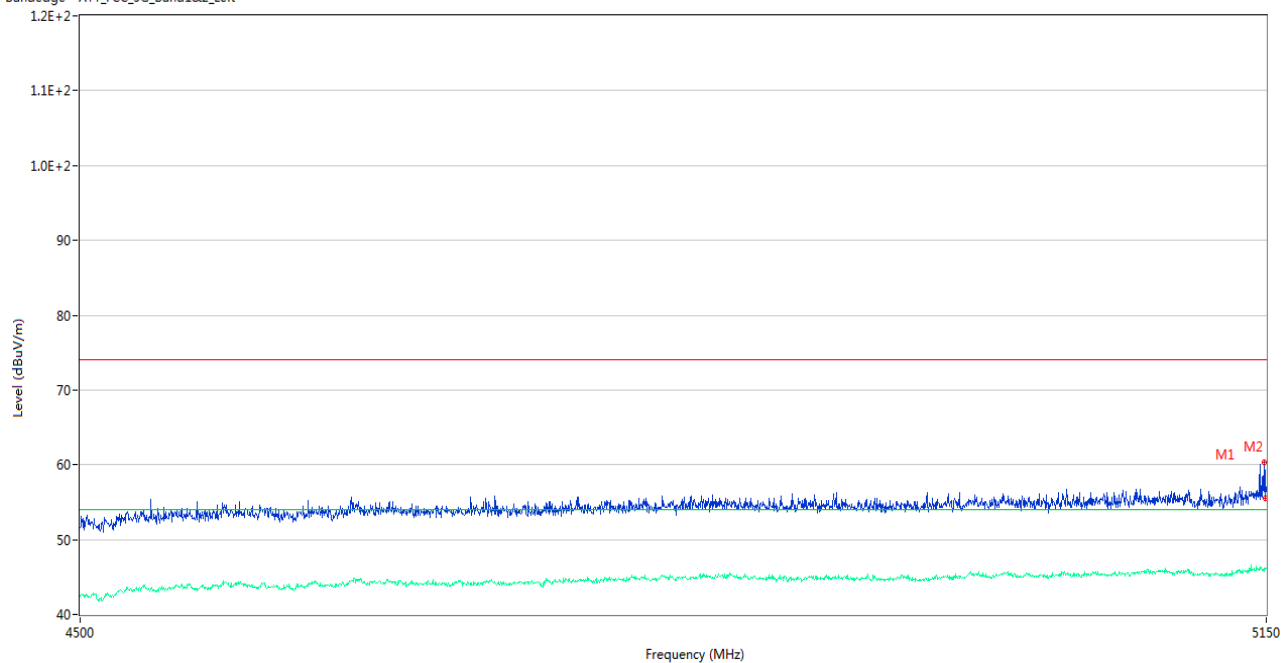
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 56.09            | 1.93        | 74.0           | 17.91       | Peak     | 311.00         | 200         | Horizontal | Pass    |
| 1** | 5350.055        | 45.65            | 1.93        | 54.0           | 8.35        | AV       | 311.00         | 200         | Horizontal | Pass    |
| 2   | 5382.285        | 57.70            | 2.19        | 74.0           | 16.30       | Peak     | 284.00         | 100         | Horizontal | Pass    |
| 2** | 5382.285        | 46.00            | 2.19        | 54.0           | 8.00        | AV       | 284.00         | 100         | Horizontal | Pass    |

## U-NII-1 11ac40 Low Channel

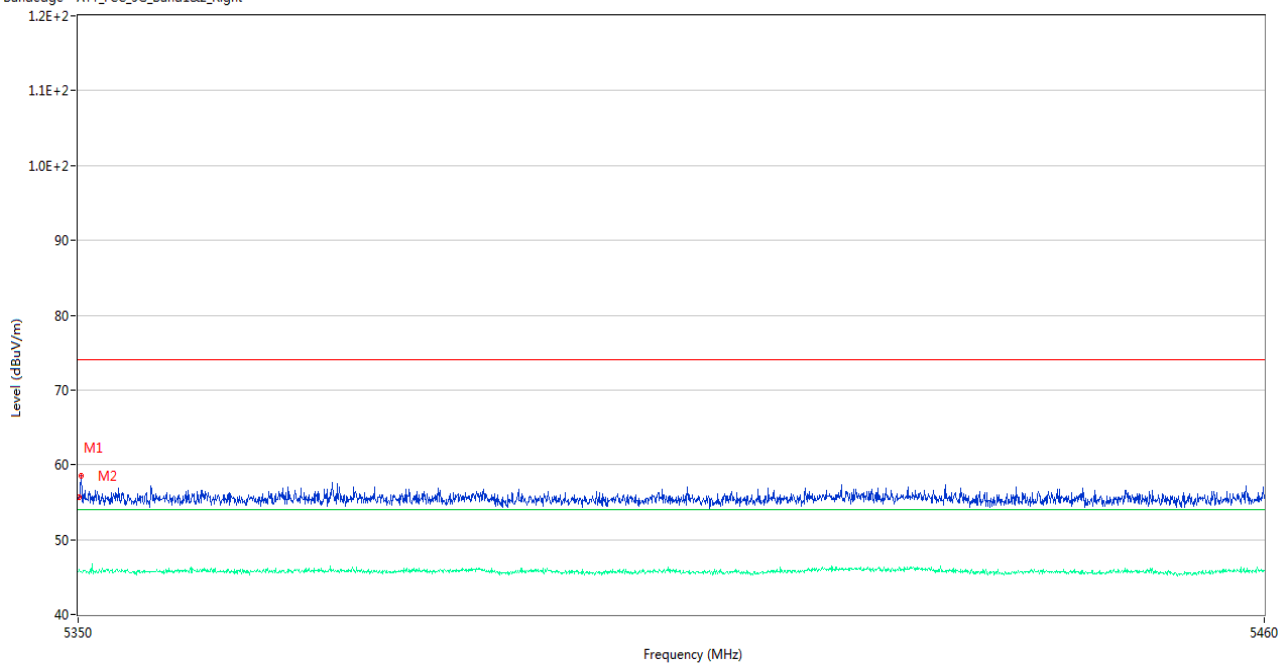
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.025        | 60.28            | 2.02        | 74.0           | 13.72       | Peak     | 244.00         | 100         | Horizontal | Pass    |
| 1** | 5149.025        | 46.23            | 2.02        | 54.0           | 7.77        | AV       | 244.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.47            | 2.07        | 74.0           | 18.53       | Peak     | 264.00         | 100         | Horizontal | Pass    |
| 2** | 5149.675        | 46.03            | 2.07        | 54.0           | 7.97        | AV       | 264.00         | 100         | Horizontal | Pass    |

## U-NII-1 11ac40 High Channel

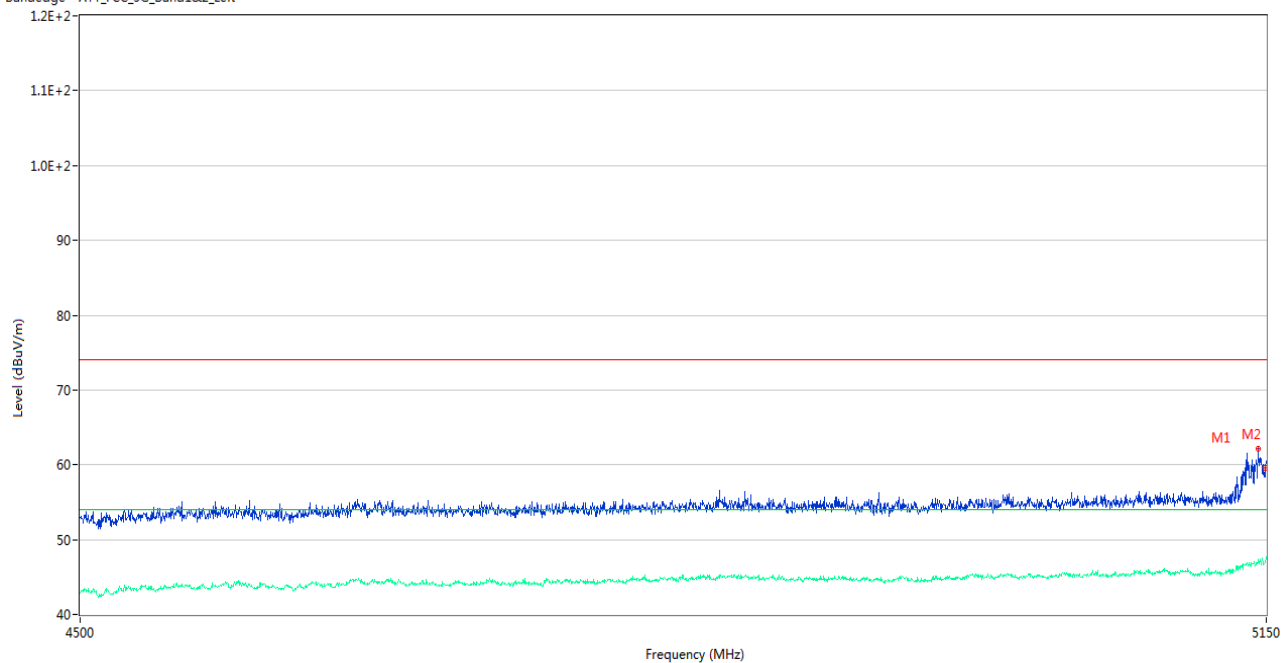
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.63            | 1.93        | 74.0           | 18.37       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 45.89            | 1.93        | 54.0           | 8.11        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 2   | 5350.275        | 58.47            | 1.92        | 74.0           | 15.53       | Peak     | 346.00         | 100         | Horizontal | Pass    |
| 2** | 5350.275        | 45.68            | 1.92        | 54.0           | 8.32        | AV       | 346.00         | 100         | Horizontal | Pass    |

## U-NII-1 11ac80 Middle Channel

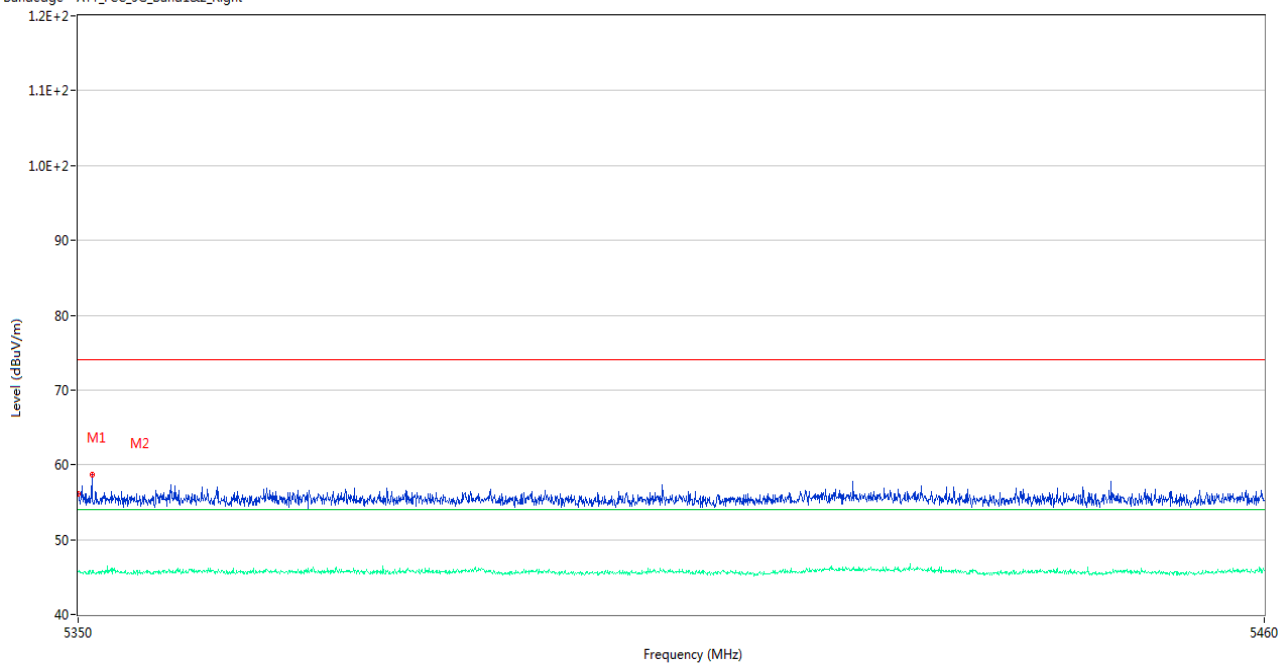
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5145.125        | 62.17            | 2.26        | 74.0           | 11.83       | Peak     | 269.00         | 200         | Horizontal | Pass    |
| 1** | 5145.125        | 46.89            | 2.26        | 54.0           | 7.11        | AV       | 269.00         | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 59.62            | 2.07        | 74.0           | 14.38       | Peak     | 50.00          | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 46.95            | 2.07        | 54.0           | 7.05        | AV       | 50.00          | 200         | Horizontal | Pass    |

## U-NII-1 11ac80 Middle Channel

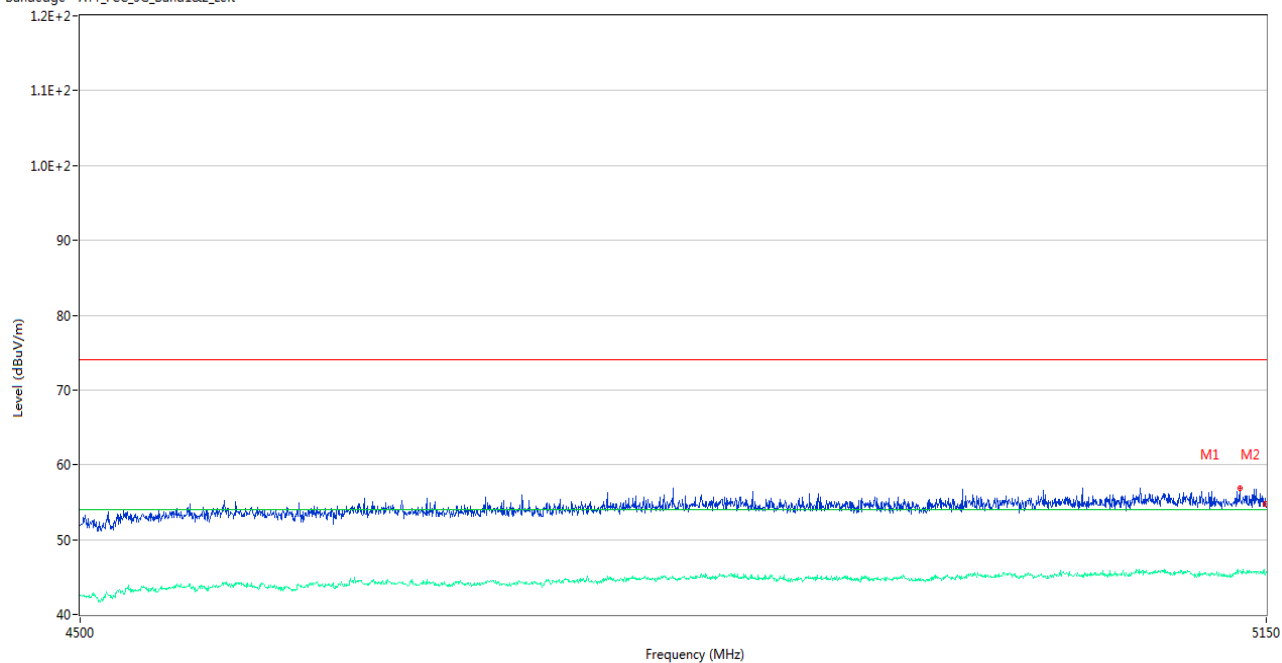
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 56.11            | 1.93        | 74.0           | 17.89       | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 1** | 5350.000        | 45.68            | 1.93        | 54.0           | 8.32        | AV       | 289.00         | 150         | Horizontal | Pass    |
| 2   | 5351.265        | 58.69            | 1.94        | 74.0           | 15.31       | Peak     | 264.00         | 200         | Horizontal | Pass    |
| 2** | 5351.265        | 45.53            | 1.94        | 54.0           | 8.47        | AV       | 264.00         | 200         | Horizontal | Pass    |

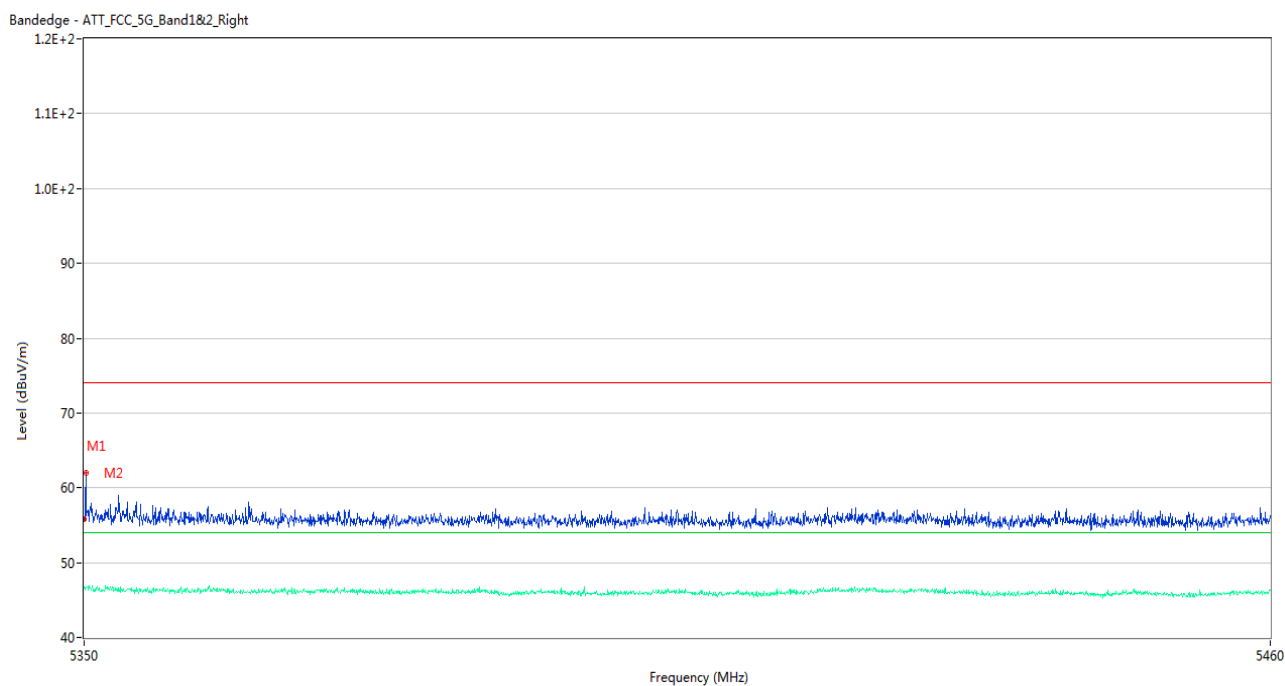
## U-NII-2A 11a Low Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5134.400        | 56.93            | 2.43        | 74.0           | 17.07       | Peak     | 144.00         | 200         | Horizontal | Pass    |
| 1** | 5134.400        | 45.90            | 2.43        | 54.0           | 8.10        | AV       | 144.00         | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 54.77            | 2.07        | 74.0           | 19.23       | Peak     | 187.00         | 150         | Horizontal | Pass    |
| 2** | 5149.675        | 45.33            | 2.07        | 54.0           | 8.67        | AV       | 187.00         | 150         | Horizontal | Pass    |

## U-NII-2A 11a High Channel

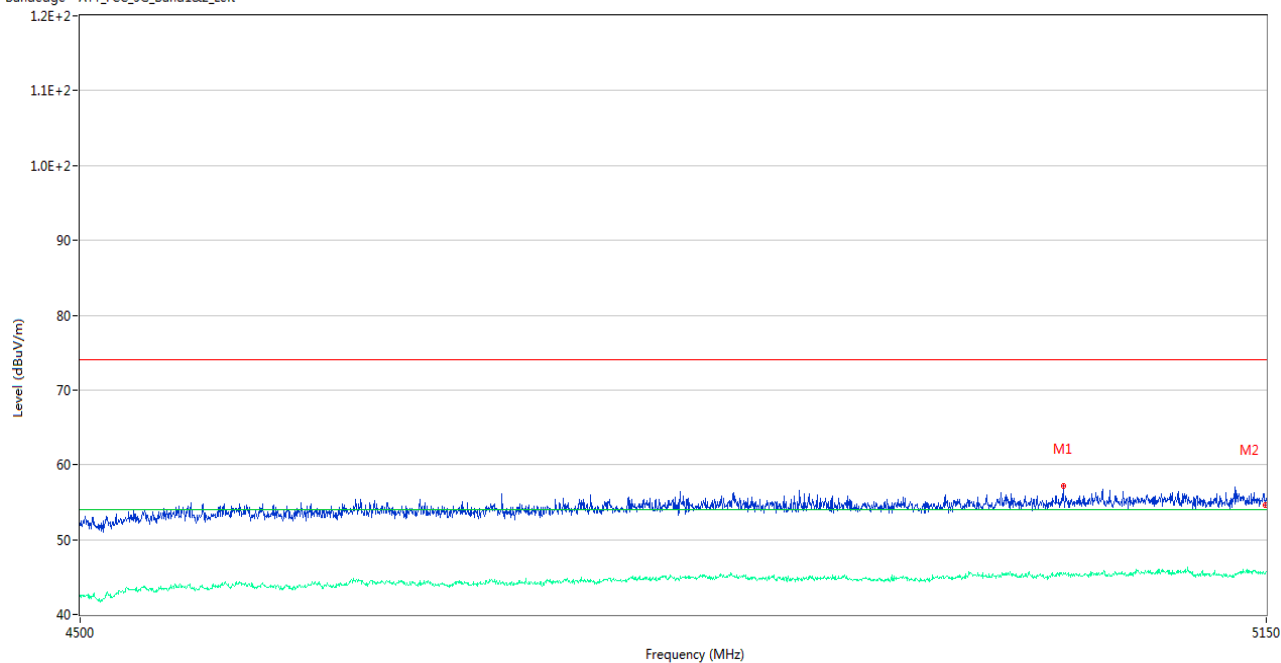


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.87            | 1.93        | 74.0           | 18.13       | Peak     | 301.00         | 150         | Horizontal | Pass    |
| 1** | 5350.000        | 46.82            | 1.93        | 54.0           | 7.18        | AV       | 301.00         | 150         | Horizontal | Pass    |
| 2   | 5350.165        | 62.06            | 1.92        | 74.0           | 11.94       | Peak     | 254.00         | 200         | Horizontal | Pass    |
| 2** | 5350.165        | 46.68            | 1.92        | 54.0           | 7.32        | AV       | 254.00         | 200         | Horizontal | Pass    |



## U-NII-2A 11n20 Low Channel

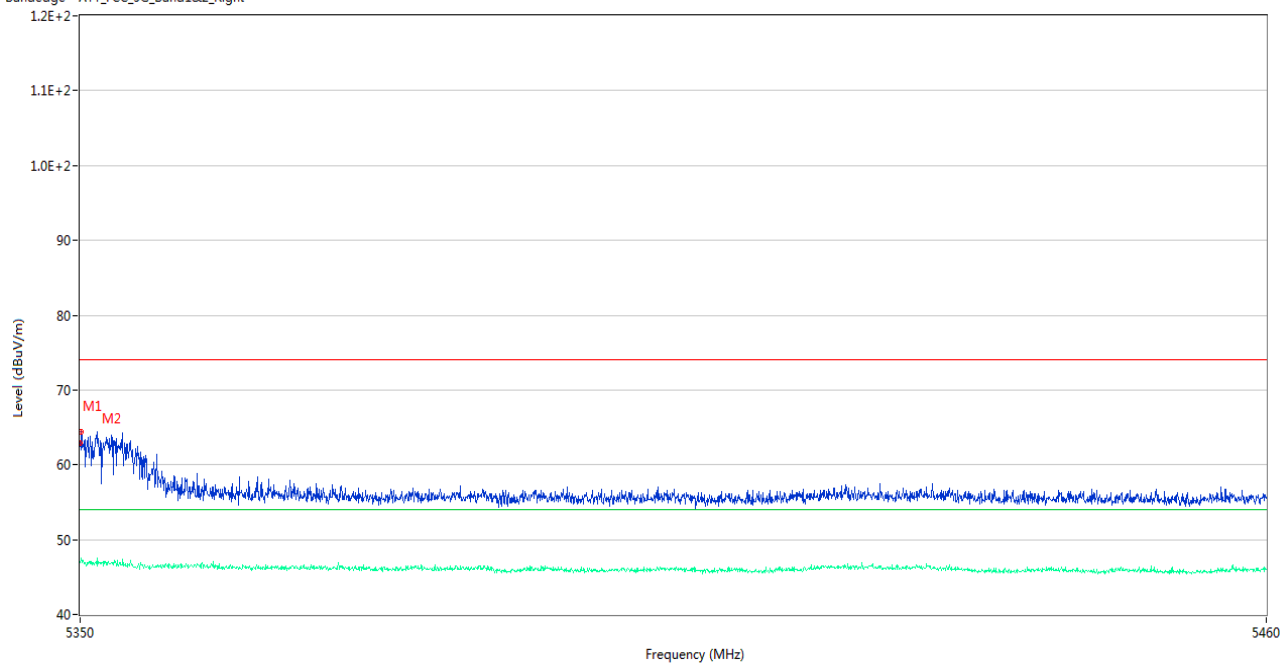
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5032.350        | 57.21            | 2.21        | 74.0           | 16.79       | Peak     | 302.00         | 100         | Horizontal | Pass    |
| 1** | 5032.350        | 45.36            | 2.21        | 54.0           | 8.64        | AV       | 302.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 54.60            | 2.07        | 74.0           | 19.40       | Peak     | 302.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.45            | 2.07        | 54.0           | 8.55        | AV       | 302.00         | 200         | Horizontal | Pass    |

## U-NII-2A 11n20 High Channel

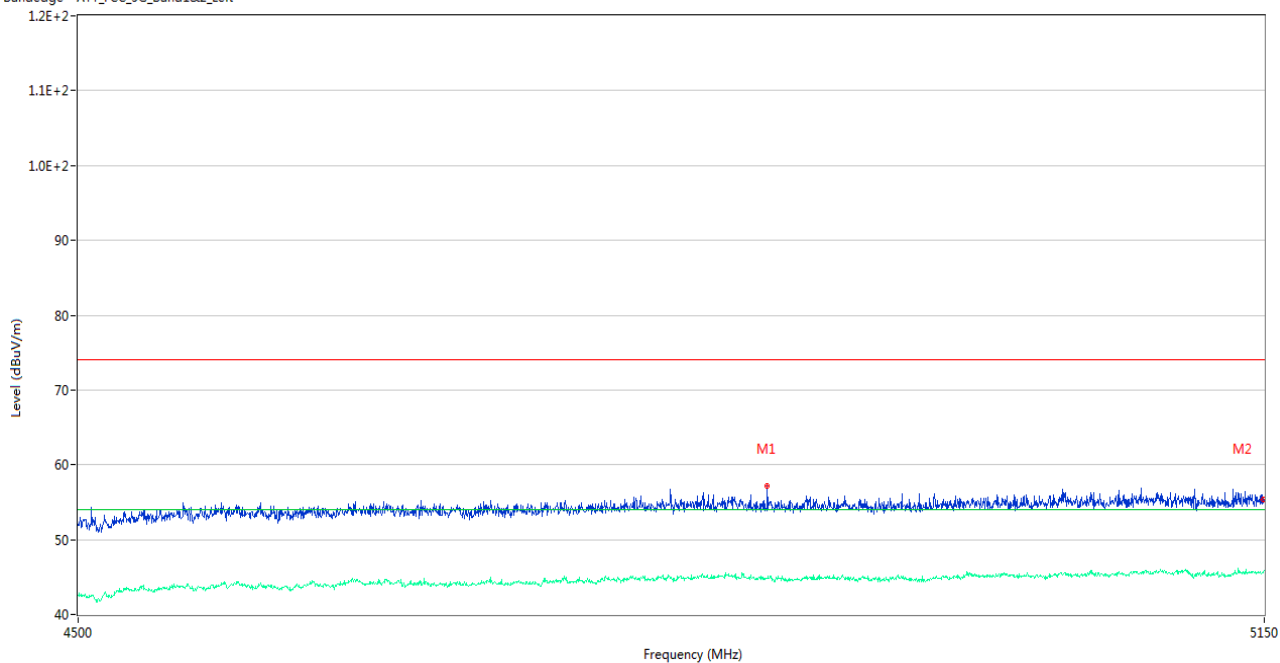
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 62.94            | 1.93        | 74.0           | 11.06       | Peak     | 265.00         | 150         | Horizontal | Pass    |
| 1** | 5350.000        | 46.99            | 1.93        | 54.0           | 7.01        | AV       | 265.00         | 150         | Horizontal | Pass    |
| 2   | 5350.110        | 64.39            | 1.93        | 74.0           | 9.61        | Peak     | 282.00         | 100         | Horizontal | Pass    |
| 2** | 5350.110        | 47.57            | 1.93        | 54.0           | 6.43        | AV       | 282.00         | 100         | Horizontal | Pass    |

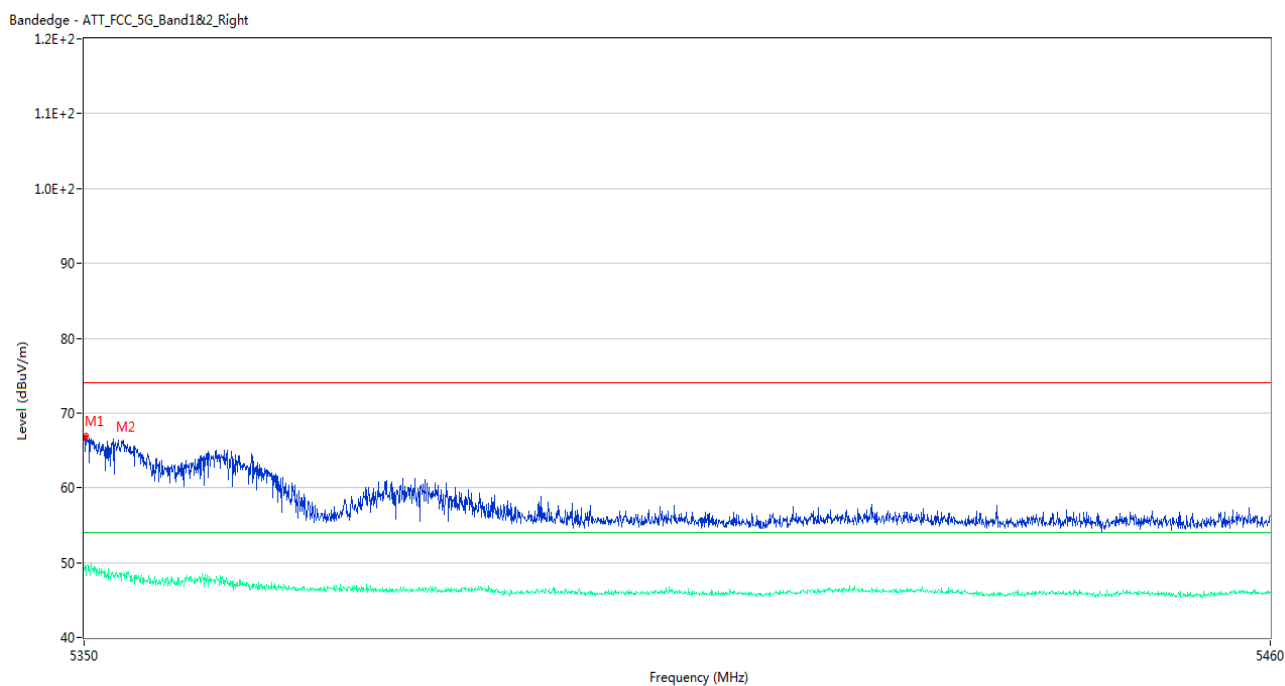
## U-NII-2A 11n40 Low Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 4866.925        | 57.14            | 1.71        | 74.0           | 16.86       | Peak     | 48.00          | 100         | Horizontal | Pass    |
| 1** | 4866.925        | 44.79            | 1.71        | 54.0           | 9.21        | AV       | 48.00          | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.36            | 2.07        | 74.0           | 18.64       | Peak     | 178.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.57            | 2.07        | 54.0           | 8.43        | AV       | 178.00         | 200         | Horizontal | Pass    |

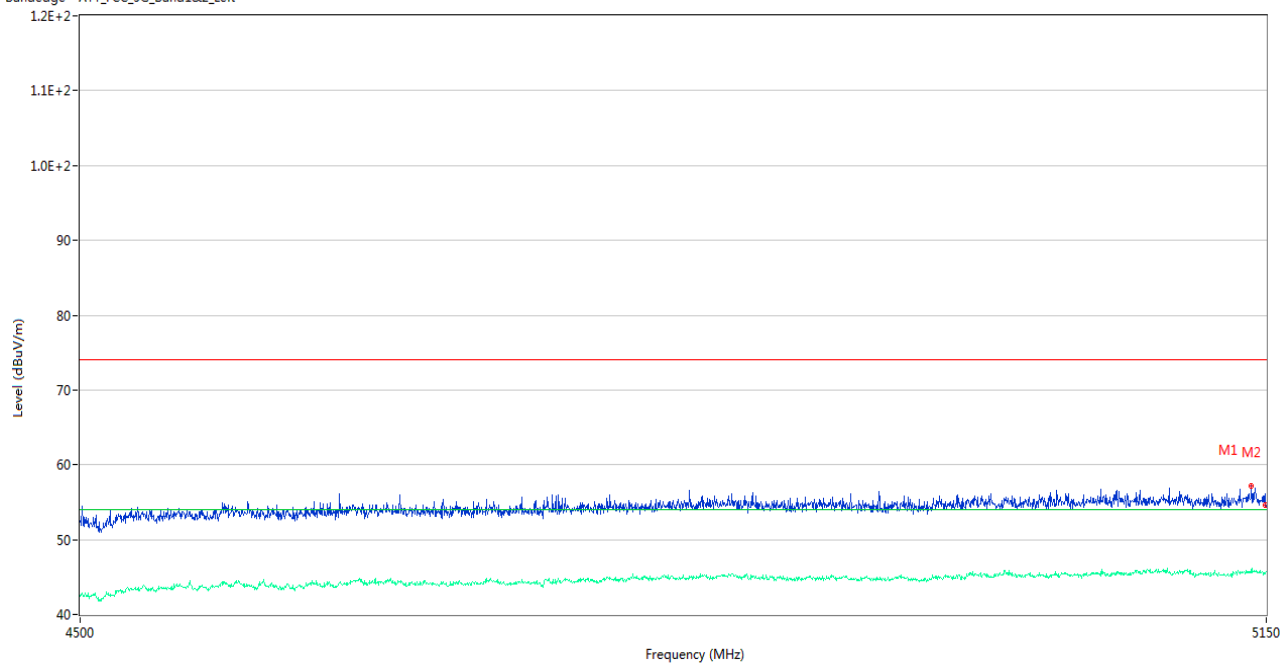
## U-NII-2A 11n40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 66.62            | 1.93        | 74.0           | 7.38        | Peak     | 262.00         | 150         | Horizontal | Pass    |
| 1** | 5350.055        | 49.70            | 1.93        | 54.0           | 4.30        | AV       | 262.00         | 150         | Horizontal | Pass    |
| 2   | 5350.220        | 67.03            | 1.92        | 74.0           | 6.97        | Peak     | 268.00         | 200         | Horizontal | Pass    |
| 2** | 5350.220        | 49.52            | 1.92        | 54.0           | 4.48        | AV       | 268.00         | 200         | Horizontal | Pass    |

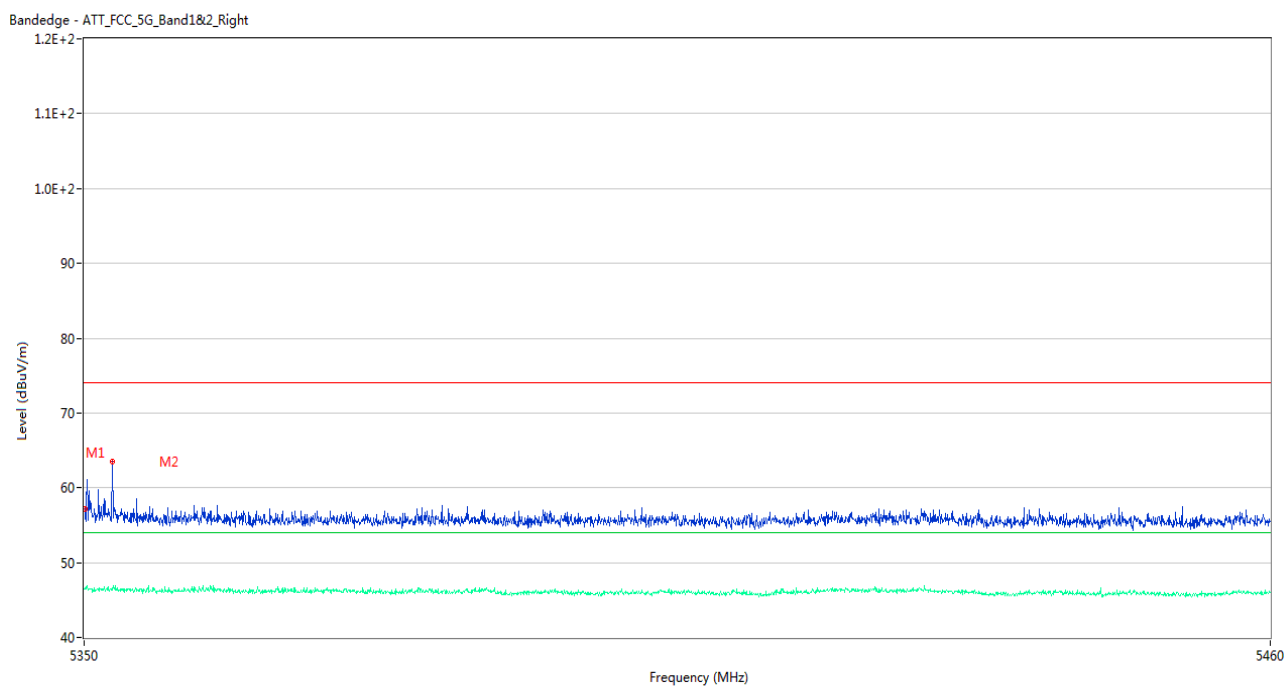
## U-NII-2A 11ac20 Low Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5141.225        | 57.10            | 2.39        | 74.0           | 16.90       | Peak     | 39.00          | 150         | Horizontal | Pass    |
| 1** | 5141.225        | 45.57            | 2.39        | 54.0           | 8.43        | AV       | 39.00          | 150         | Horizontal | Pass    |
| 2   | 5149.675        | 54.65            | 2.07        | 74.0           | 19.35       | Peak     | 276.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.58            | 2.07        | 54.0           | 8.42        | AV       | 276.00         | 200         | Horizontal | Pass    |

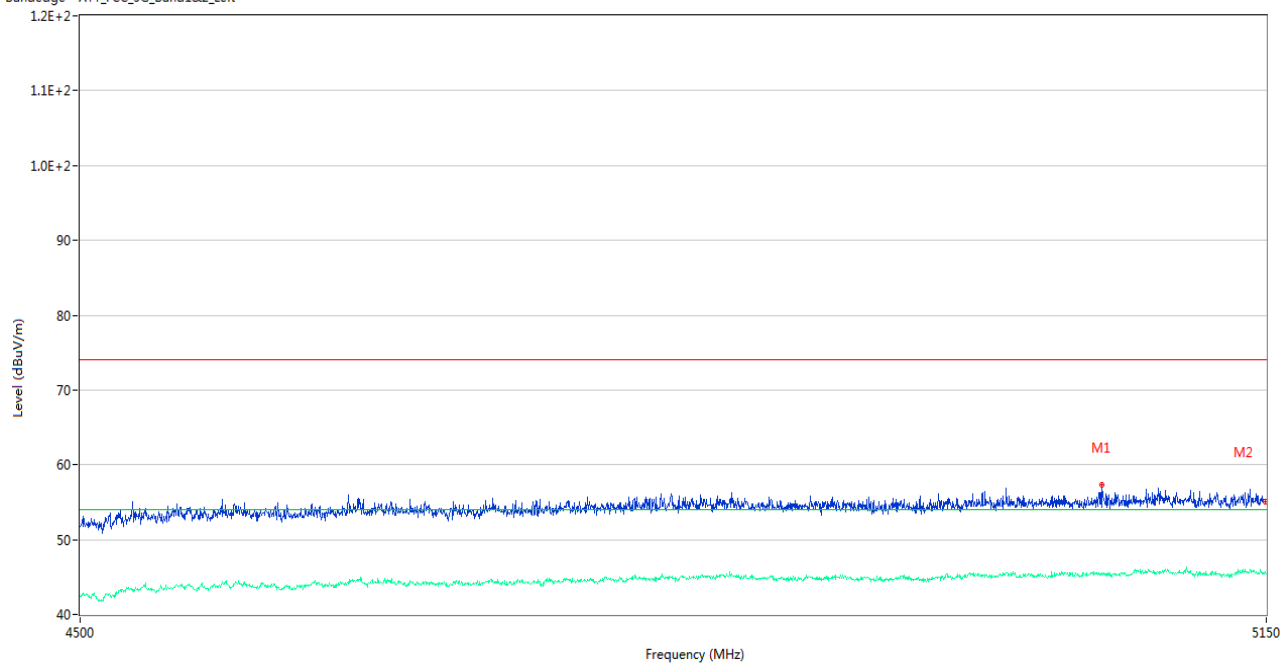
## U-NII-2A 11ac20 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 57.21            | 1.93        | 74.0           | 16.79       | Peak     | 265.00         | 150         | Horizontal | Pass    |
| 1** | 5350.055        | 46.69            | 1.93        | 54.0           | 7.31        | AV       | 265.00         | 150         | Horizontal | Pass    |
| 2   | 5352.585        | 63.46            | 2.11        | 74.0           | 10.54       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 5352.585        | 46.34            | 2.11        | 54.0           | 7.66        | AV       | 0.00           | 100         | Horizontal | Pass    |

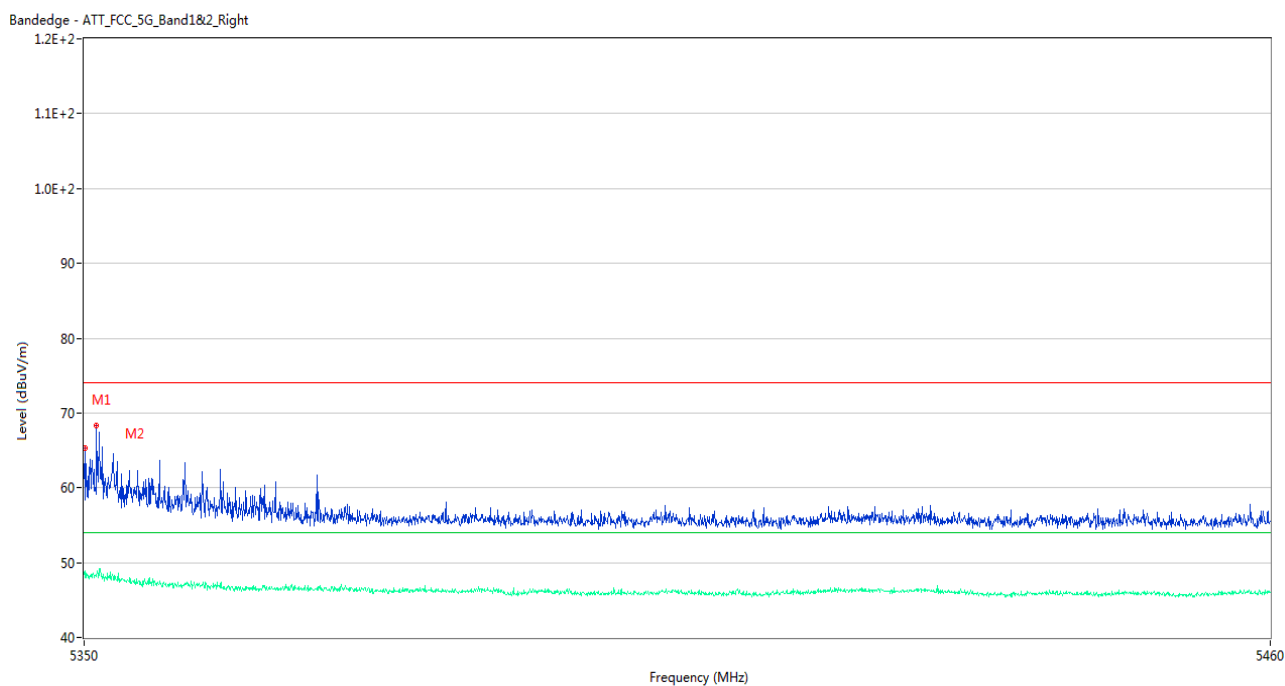
## U-NII-2A 11ac40 Low Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5054.775        | 57.29            | 2.06        | 74.0           | 16.71       | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 1** | 5054.775        | 45.49            | 2.06        | 54.0           | 8.51        | AV       | 1.00           | 150         | Horizontal | Pass    |
| 2   | 5149.675        | 55.08            | 2.07        | 74.0           | 18.92       | Peak     | 106.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.50            | 2.07        | 54.0           | 8.50        | AV       | 106.00         | 200         | Horizontal | Pass    |

## U-NII-2A 11ac40 High Channel

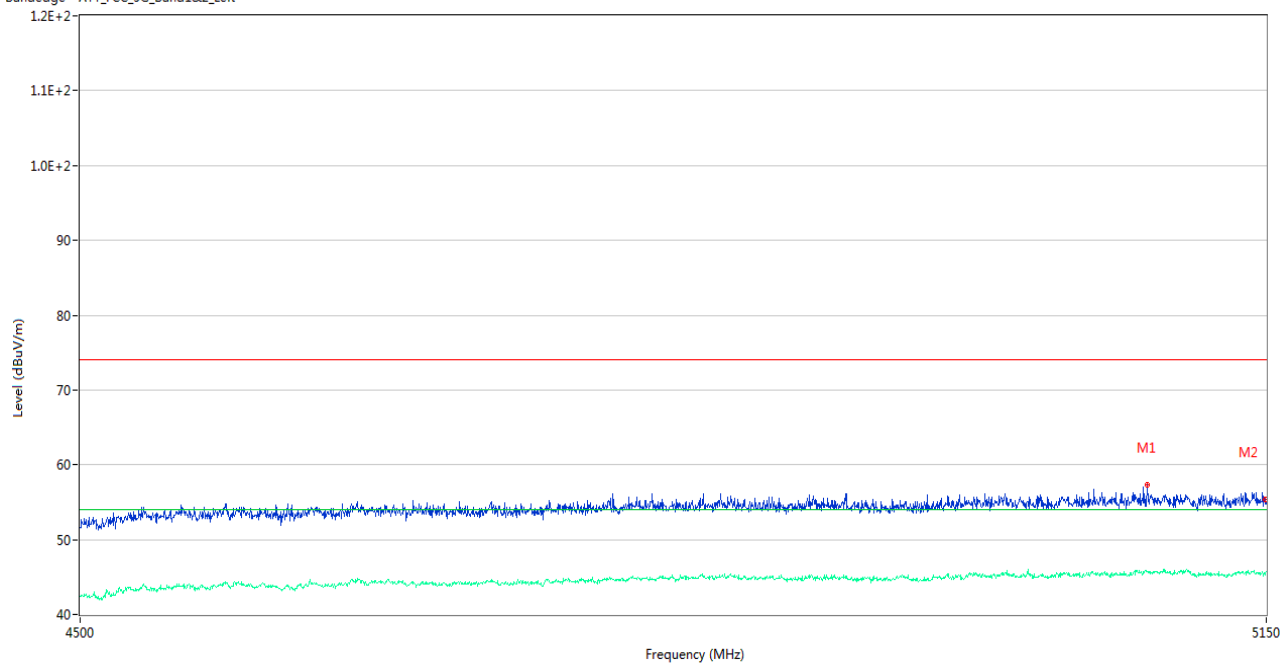


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 65.38            | 1.93        | 74.0           | 8.62        | Peak     | 297.00         | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 48.05            | 1.93        | 54.0           | 5.95        | AV       | 297.00         | 100         | Horizontal | Pass    |
| 2   | 5351.155        | 68.29            | 1.92        | 74.0           | 5.71        | Peak     | 263.00         | 200         | Horizontal | Pass    |
| 2** | 5351.155        | 48.06            | 1.92        | 54.0           | 5.94        | AV       | 263.00         | 200         | Horizontal | Pass    |



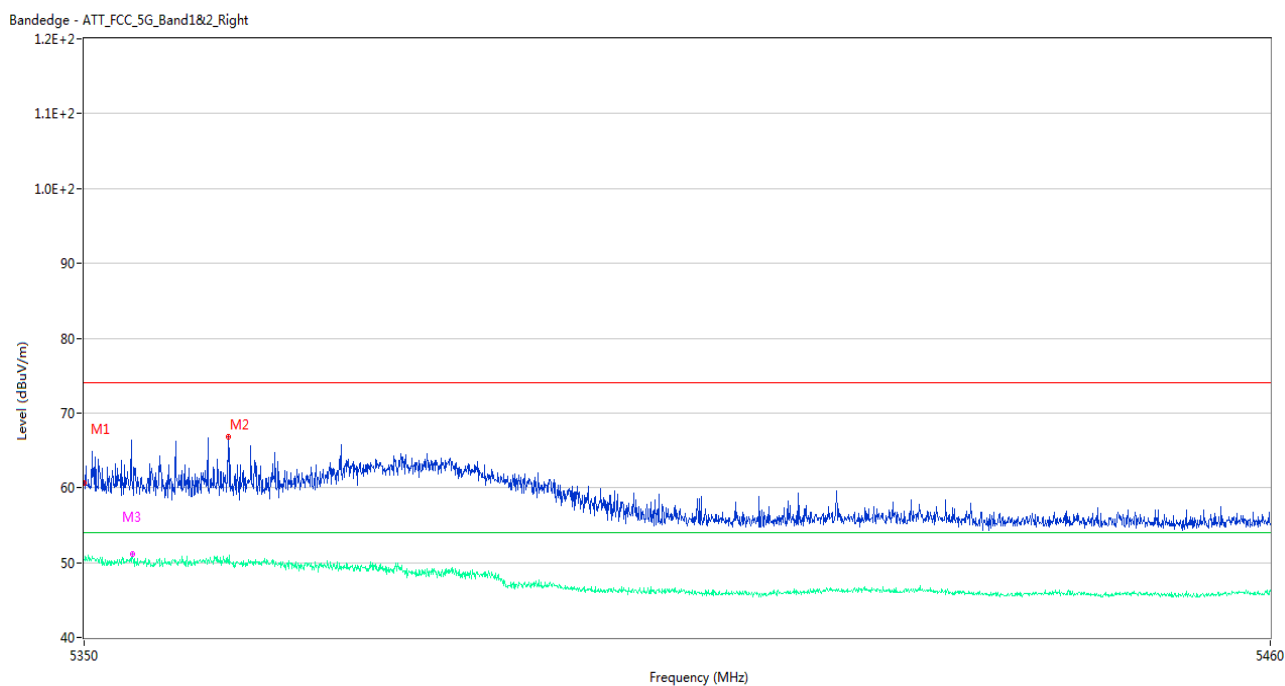
## U-NII-2A 11ac80 Middle Channel

Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



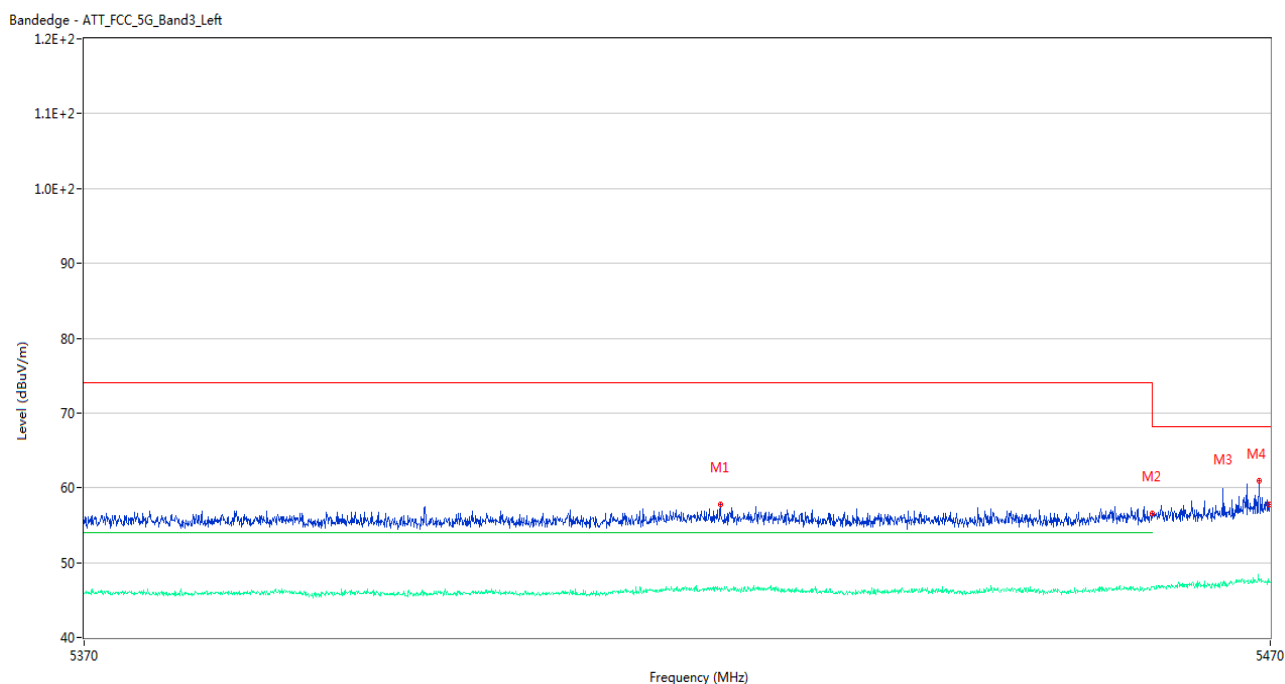
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5080.775        | 57.31            | 2.39        | 74.0           | 16.69       | Peak     | 267.00         | 100         | Horizontal | Pass    |
| 1** | 5080.775        | 45.68            | 2.39        | 54.0           | 8.32        | AV       | 267.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.31            | 2.07        | 74.0           | 18.69       | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 2** | 5149.675        | 45.46            | 2.07        | 54.0           | 8.54        | AV       | 344.00         | 150         | Horizontal | Pass    |

## U-NII-2A 11ac80 Middle Channel



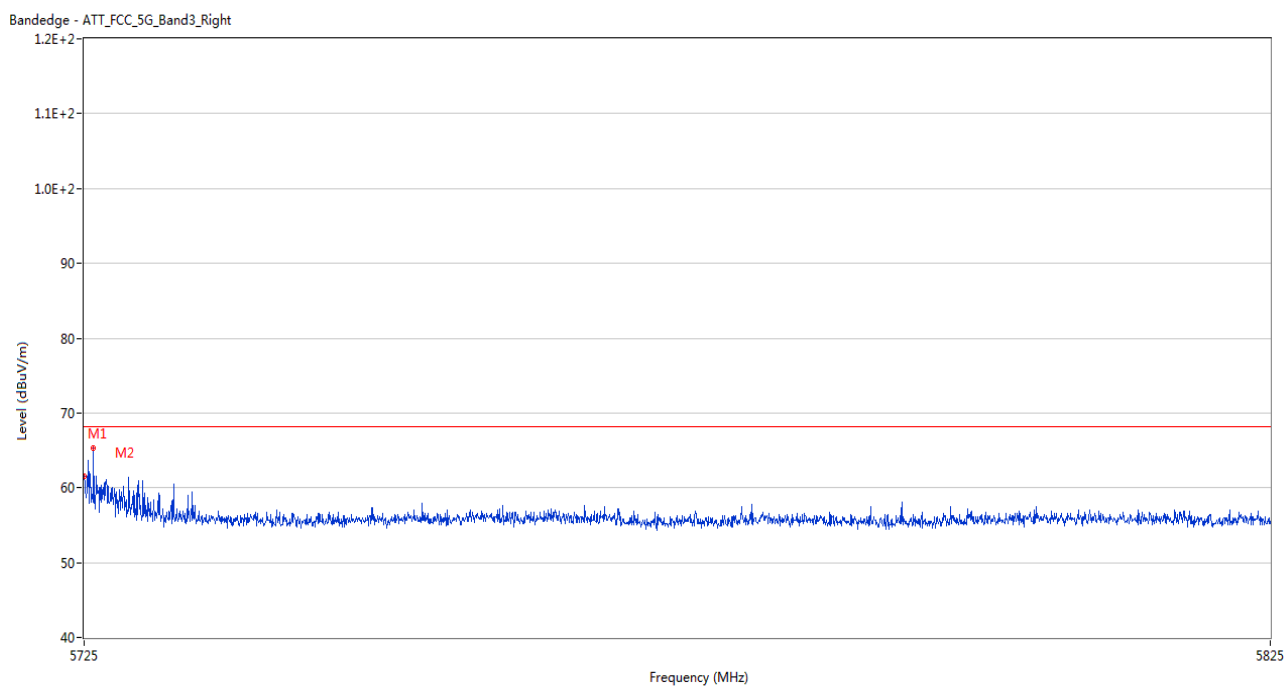
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 60.64            | 1.93        | 74.0           | 13.36       | Peak     | 273.00         | 200         | Horizontal | Pass    |
| 1** | 5350.000        | 50.41            | 1.93        | 54.0           | 3.59        | AV       | 273.00         | 200         | Horizontal | Pass    |
| 2   | 5363.255        | 66.85            | 2.19        | 74.0           | 7.15        | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 2** | 5363.255        | 49.99            | 2.19        | 54.0           | 4.01        | AV       | 282.00         | 150         | Horizontal | Pass    |
| 3   | 5354.455        | 60.84            | 2.08        | 74.0           | 13.16       | Peak     | 299.00         | 150         | Horizontal | Pass    |
| 3** | 5354.455        | 50.98            | 2.08        | 54.0           | 3.02        | AV       | 299.00         | 150         | Horizontal | Pass    |

## U-NII-2C 11a Low Channel



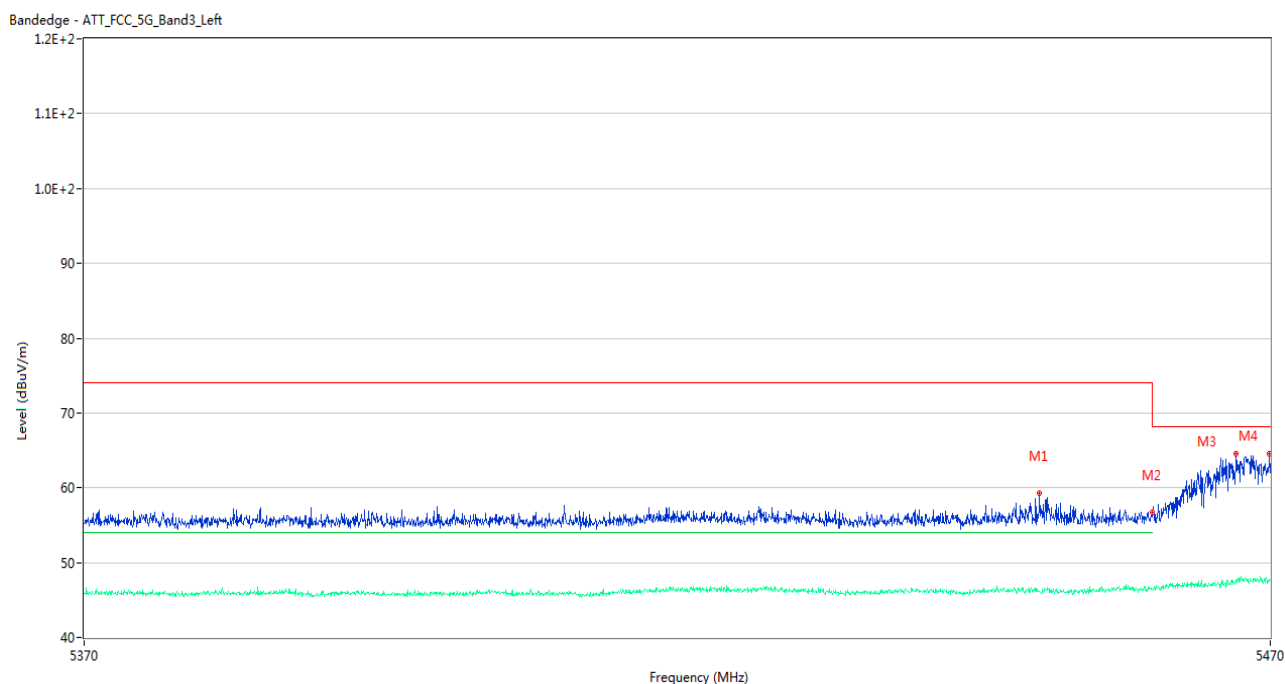
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5423.400        | 57.77            | 2.44        | 74.0           | 16.23       | Peak     | 230.00         | 100         | Horizontal | Pass    |
| 1** | 5423.400        | 46.18            | 2.44        | 54.0           | 7.82        | AV       | 230.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 56.55            | 2.50        | 74.0           | 17.45       | Peak     | 282.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 46.77            | 2.50        | 54.0           | 7.23        | AV       | 282.00         | 100         | Horizontal | Pass    |
| 3   | 5469.050        | 61.00            | 2.98        | 68.2           | 7.20        | Peak     | 327.00         | 100         | Horizontal | Pass    |
| 3** | 5469.050        | 47.53            | 2.98        | --             | --          | AV       | 327.00         | 100         | Horizontal | N/A     |
| 4   | 5469.950        | 57.82            | 2.87        | 68.2           | 10.38       | Peak     | 313.00         | 200         | Horizontal | Pass    |
| 4** | 5469.950        | 47.52            | 2.87        | --             | --          | AV       | 313.00         | 200         | Horizontal | N/A     |

## U-NII-2C 11a High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 61.53            | 2.55        | 68.2           | 6.67        | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 2   | 5725.800        | 65.19            | 2.53        | 68.2           | 3.01        | Peak     | 247.00         | 200         | Horizontal | Pass    |

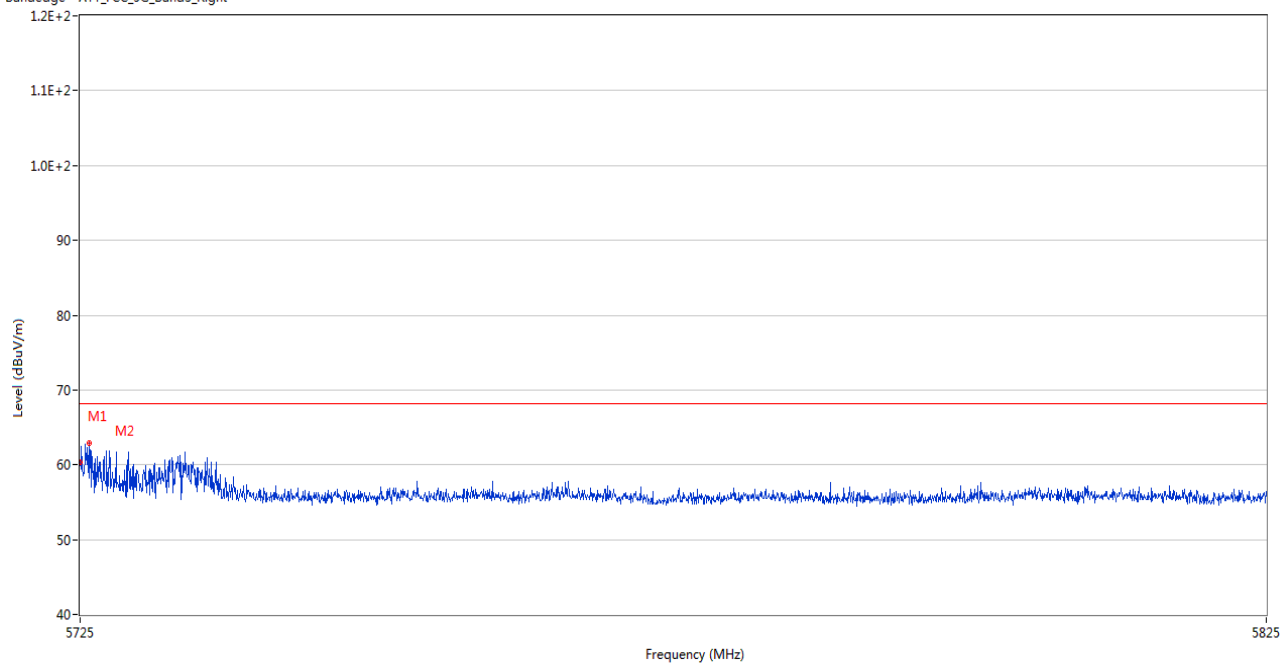
## U-NII-2C 11n20 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5450.400        | 59.30            | 2.22        | 74.0           | 14.70       | Peak     | 277.00         | 100         | Horizontal | Pass    |
| 1** | 5450.400        | 46.15            | 2.22        | 54.0           | 7.85        | AV       | 277.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 56.66            | 2.50        | 74.0           | 17.34       | Peak     | 204.00         | 150         | Horizontal | Pass    |
| 2** | 5460.000        | 46.55            | 2.50        | 54.0           | 7.45        | AV       | 204.00         | 150         | Horizontal | Pass    |
| 3   | 5467.100        | 64.59            | 3.01        | 68.2           | 3.61        | Peak     | 277.00         | 100         | Horizontal | Pass    |
| 3** | 5467.100        | 47.61            | 3.01        | --             | --          | AV       | 277.00         | 100         | Horizontal | N/A     |
| 4   | 5469.950        | 64.55            | 2.87        | 68.2           | 3.65        | Peak     | 298.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 47.60            | 2.87        | --             | --          | AV       | 298.00         | 150         | Horizontal | N/A     |

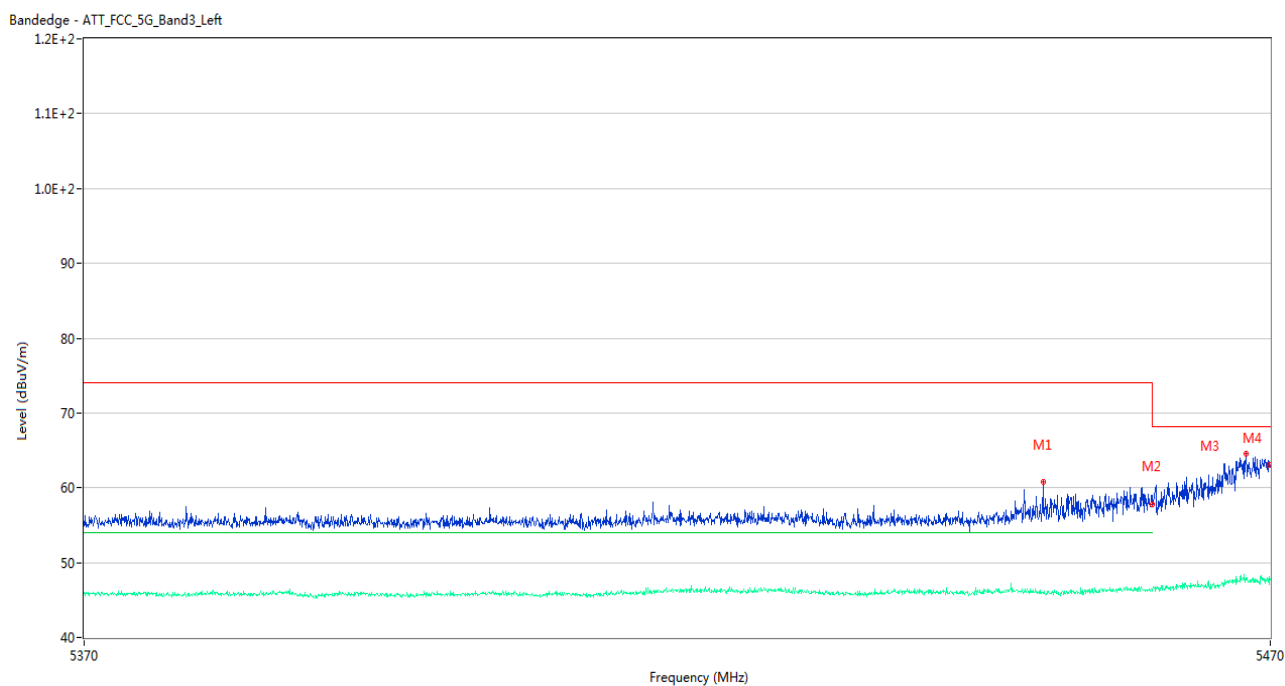
## U-NII-2C 11n20 High Channel

Bandedge - ATT\_FCC\_5G\_Band3\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 60.34            | 2.55        | 68.2           | 7.86        | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 2   | 5725.750        | 62.94            | 2.54        | 68.2           | 5.26        | Peak     | 255.00         | 150         | Horizontal | Pass    |

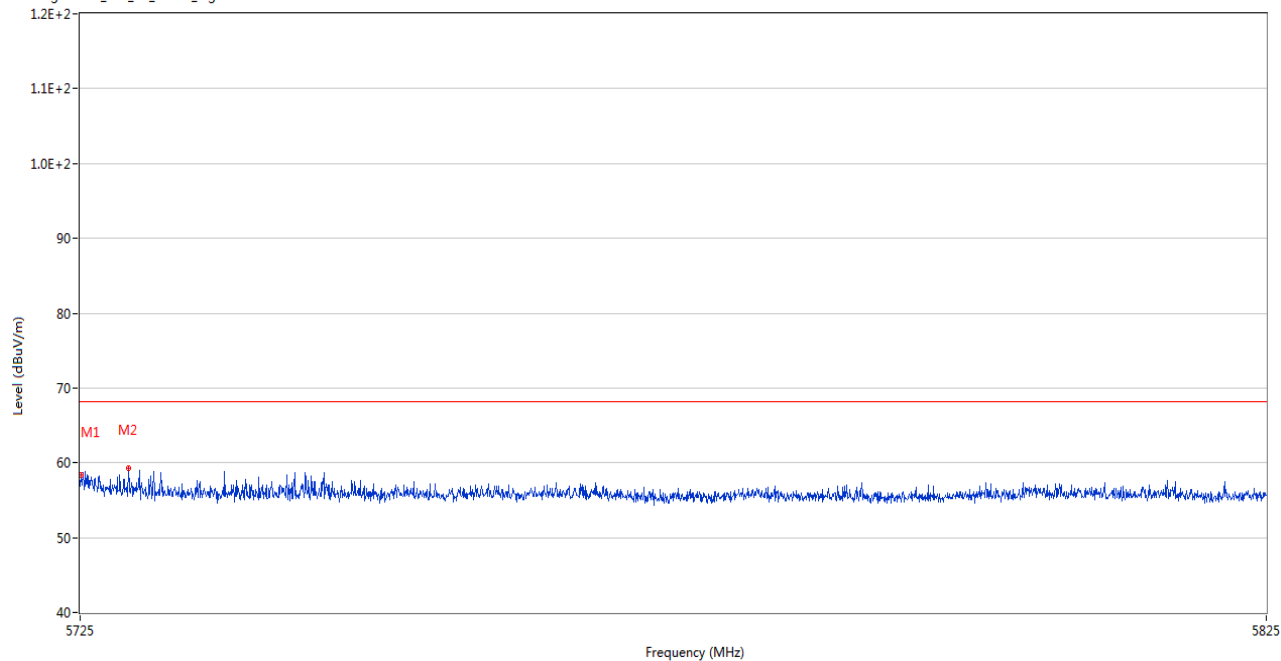
## U-NII-2C 11n40 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5450.700        | 60.81            | 2.19        | 74.0           | 13.19       | Peak     | 276.00         | 200         | Horizontal | Pass    |
| 1** | 5450.700        | 45.94            | 2.19        | 54.0           | 8.06        | AV       | 276.00         | 200         | Horizontal | Pass    |
| 2   | 5460.000        | 57.84            | 2.50        | 74.0           | 16.16       | Peak     | 247.00         | 200         | Horizontal | Pass    |
| 2** | 5460.000        | 46.20            | 2.50        | 54.0           | 7.80        | AV       | 247.00         | 200         | Horizontal | Pass    |
| 3   | 5467.900        | 64.54            | 3.14        | 68.2           | 3.66        | Peak     | 272.00         | 100         | Horizontal | Pass    |
| 3** | 5467.900        | 47.89            | 3.14        | --             | --          | AV       | 272.00         | 100         | Horizontal | N/A     |
| 4   | 5469.950        | 63.06            | 2.87        | 68.2           | 5.14        | Peak     | 272.00         | 200         | Horizontal | Pass    |
| 4** | 5469.950        | 48.13            | 2.87        | --             | --          | AV       | 272.00         | 200         | Horizontal | N/A     |

## U-NII-2C 11n40 High Channel

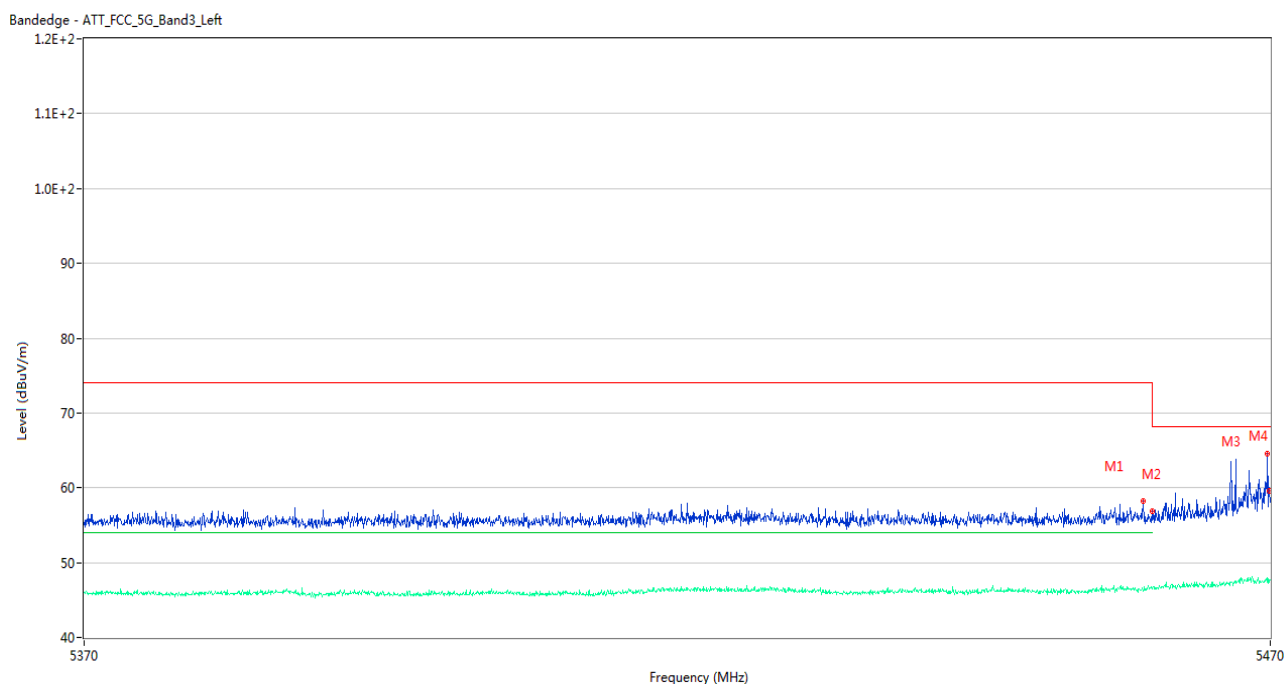
Bandedge - ATT\_FCC\_5G\_Band3\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.050        | 58.42            | 2.55        | 68.2           | 9.78        | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 2   | 5729.050        | 59.35            | 2.65        | 68.2           | 8.85        | Peak     | 269.00         | 100         | Horizontal | Pass    |

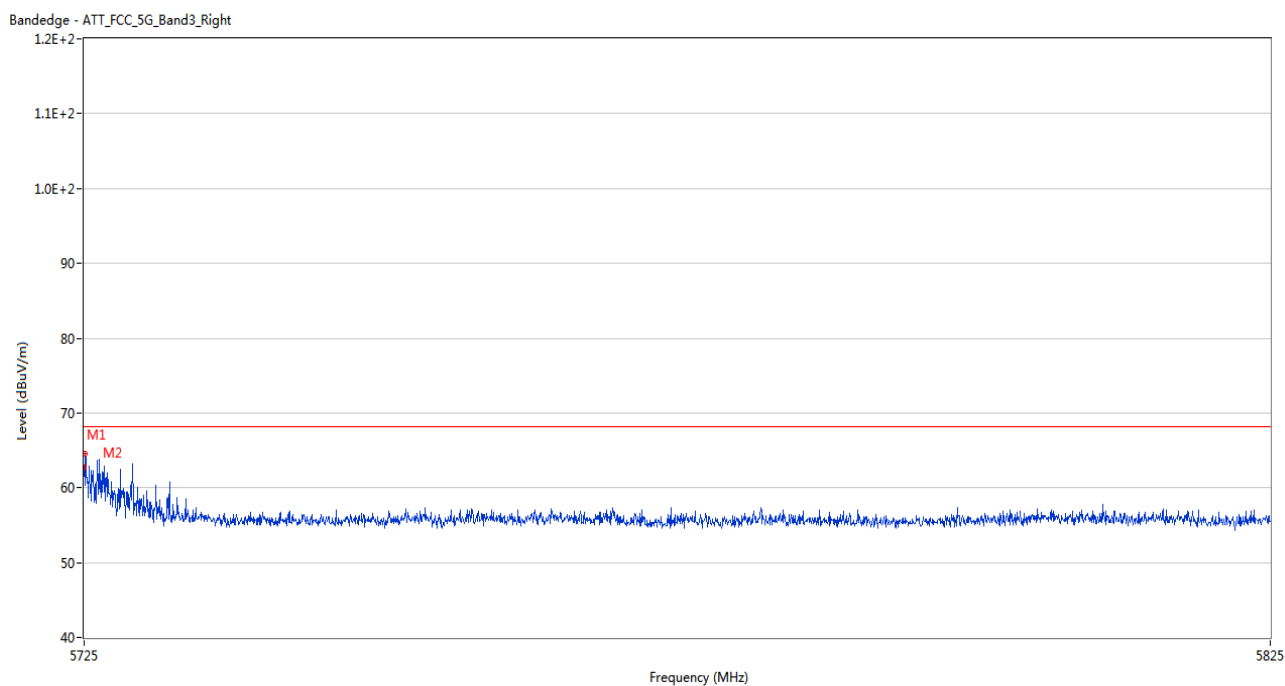


## U-NII-2C 11ac20 Low Channel



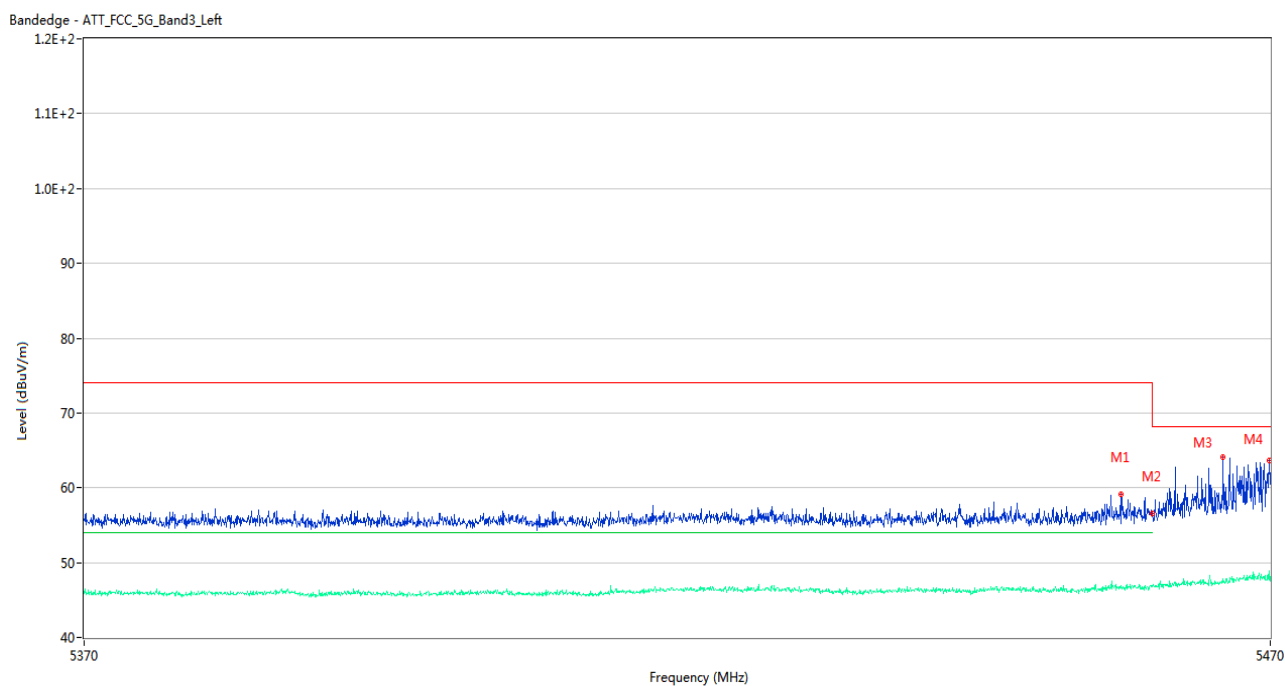
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5459.200        | 58.21            | 2.40        | 74.0           | 15.79       | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 1** | 5459.200        | 46.25            | 2.40        | 54.0           | 7.75        | AV       | 283.00         | 150         | Horizontal | Pass    |
| 2   | 5460.000        | 56.87            | 2.50        | 74.0           | 17.13       | Peak     | 257.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 46.49            | 2.50        | 54.0           | 7.51        | AV       | 257.00         | 100         | Horizontal | Pass    |
| 3   | 5469.750        | 64.58            | 2.88        | 68.2           | 3.62        | Peak     | 273.00         | 150         | Horizontal | Pass    |
| 3** | 5469.750        | 48.00            | 2.88        | --             | --          | AV       | 273.00         | 150         | Horizontal | N/A     |
| 4   | 5469.950        | 59.65            | 2.87        | 68.2           | 8.55        | Peak     | 308.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 47.75            | 2.87        | --             | --          | AV       | 308.00         | 150         | Horizontal | N/A     |

## U-NII-2C 11ac20 High Channel



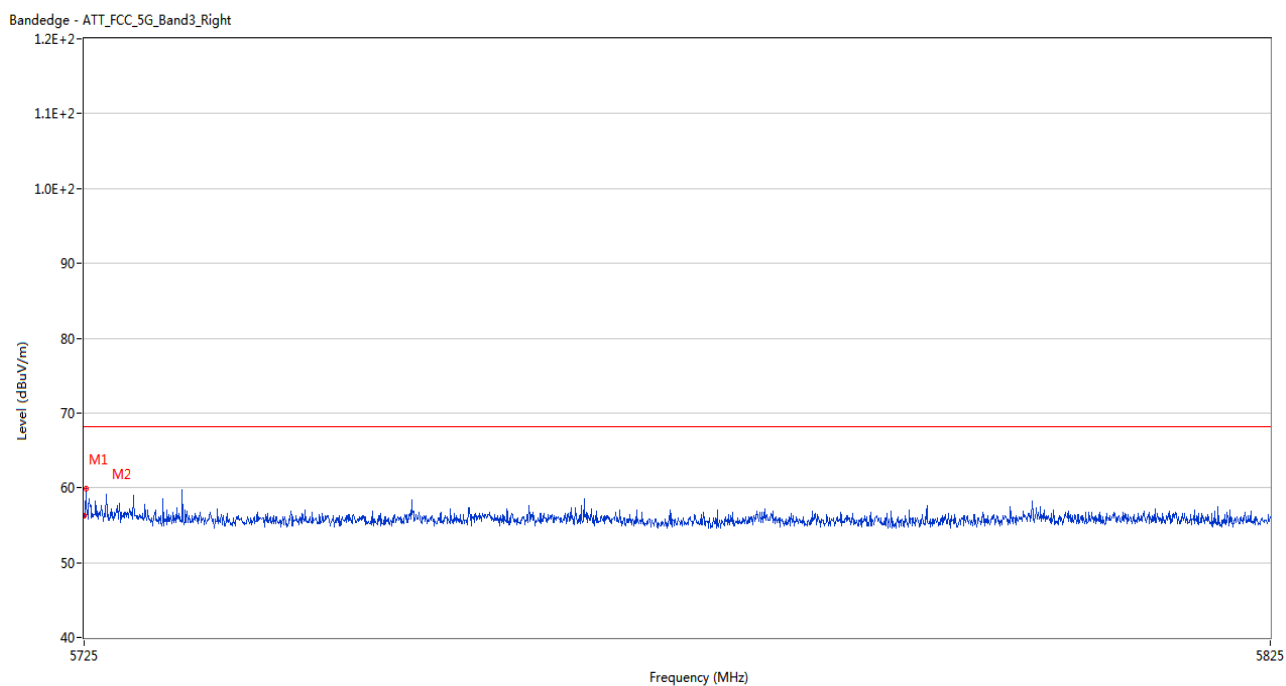
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 62.68            | 2.55        | 68.2           | 5.52        | Peak     | 263.00         | 100         | Horizontal | Pass    |
| 2   | 5725.100        | 64.62            | 2.55        | 68.2           | 3.58        | Peak     | 256.00         | 100         | Horizontal | Pass    |

## U-NII-2C 11ac40 Low Channel



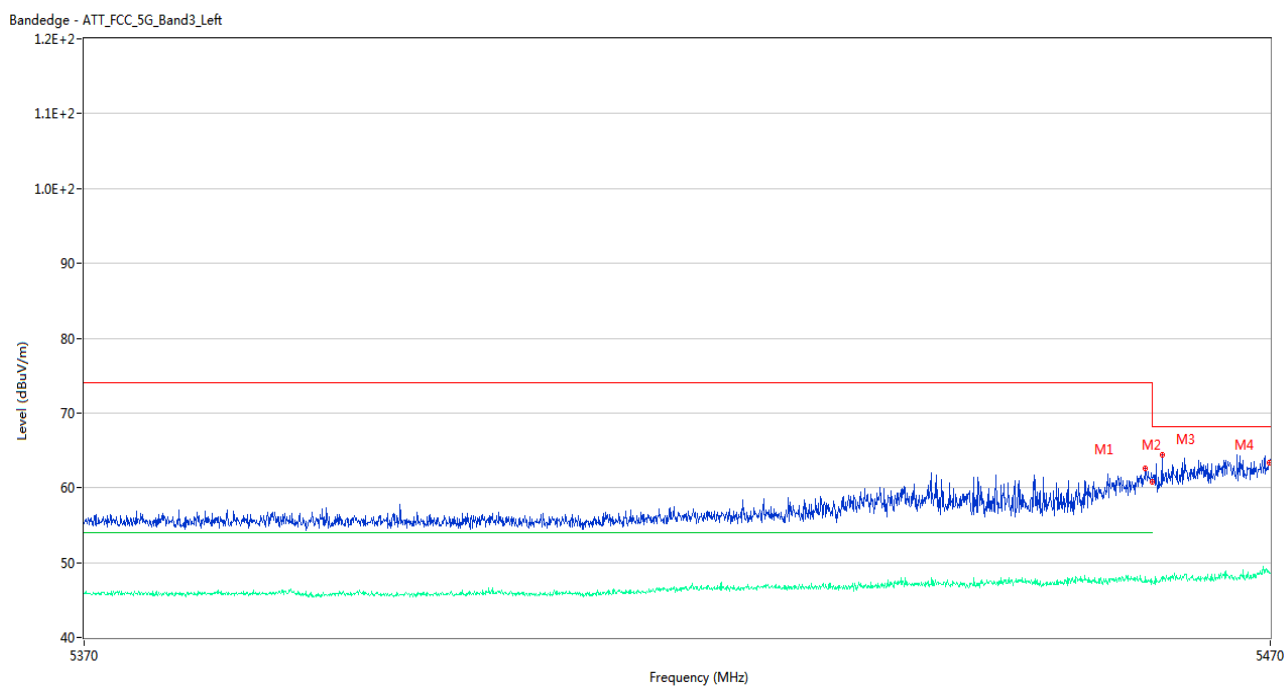
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5457.300        | 59.14            | 2.51        | 74.0           | 14.86       | Peak     | 270.00         | 100         | Horizontal | Pass    |
| 1** | 5457.300        | 46.95            | 2.51        | 54.0           | 7.05        | AV       | 270.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 56.61            | 2.50        | 74.0           | 17.39       | Peak     | 266.00         | 200         | Horizontal | Pass    |
| 2** | 5460.000        | 46.80            | 2.50        | 54.0           | 7.20        | AV       | 266.00         | 200         | Horizontal | Pass    |
| 3   | 5466.000        | 64.05            | 2.75        | 68.2           | 4.15        | Peak     | 242.00         | 200         | Horizontal | Pass    |
| 3** | 5466.000        | 47.89            | 2.75        | --             | --          | AV       | 242.00         | 200         | Horizontal | N/A     |
| 4   | 5469.950        | 63.63            | 2.87        | 68.2           | 4.57        | Peak     | 270.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 48.82            | 2.87        | --             | --          | AV       | 270.00         | 150         | Horizontal | N/A     |

## U-NII-2C 11ac40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 56.30            | 2.55        | 68.2           | 11.90       | Peak     | 251.00         | 100         | Horizontal | Pass    |
| 2   | 5725.150        | 59.82            | 2.55        | 68.2           | 8.38        | Peak     | 251.00         | 200         | Horizontal | Pass    |

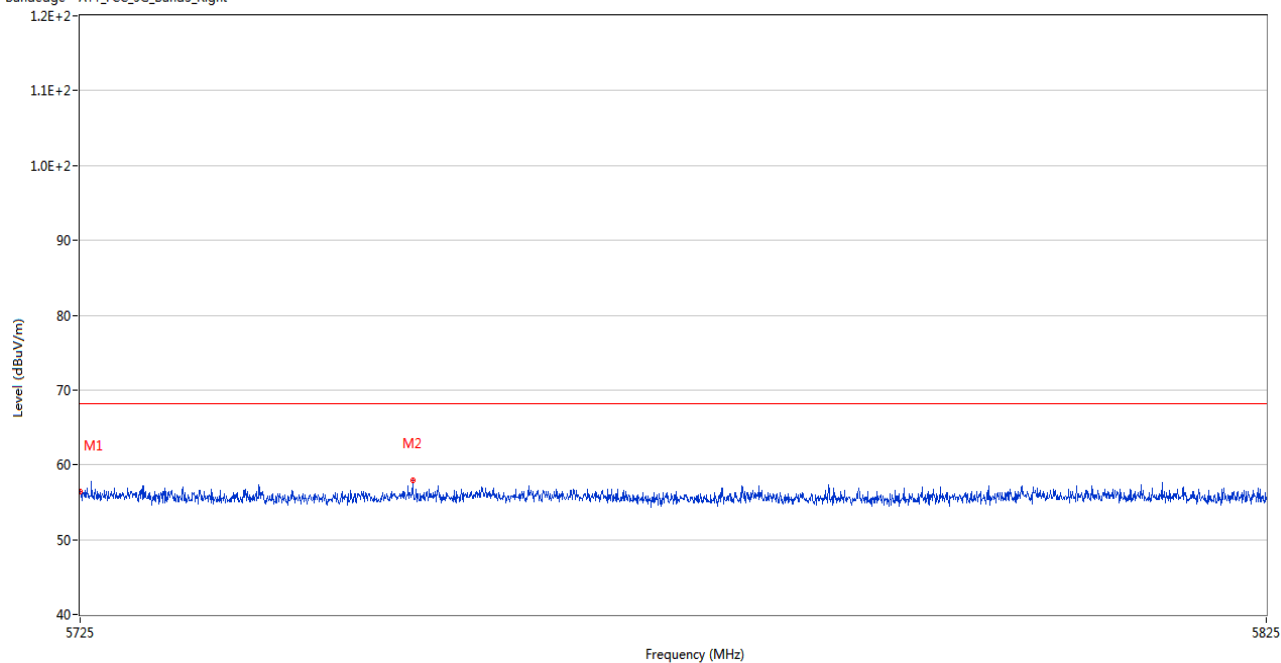
## U-NII-2C 11ac80 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5459.400        | 62.58            | 2.42        | 74.0           | 11.42       | Peak     | 272.00         | 100         | Horizontal | Pass    |
| 1** | 5459.400        | 48.16            | 2.42        | 54.0           | 5.84        | AV       | 272.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 60.79            | 2.50        | 74.0           | 13.21       | Peak     | 264.00         | 200         | Horizontal | Pass    |
| 2** | 5460.000        | 47.32            | 2.50        | 54.0           | 6.68        | AV       | 264.00         | 200         | Horizontal | Pass    |
| 3   | 5460.800        | 64.45            | 2.60        | 68.2           | 3.75        | Peak     | 242.00         | 200         | Horizontal | Pass    |
| 3** | 5460.800        | 48.12            | 2.60        | --             | --          | AV       | 242.00         | 200         | Horizontal | N/A     |
| 4   | 5469.950        | 63.32            | 2.87        | 68.2           | 4.88        | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 48.69            | 2.87        | --             | --          | AV       | 261.00         | 150         | Horizontal | N/A     |

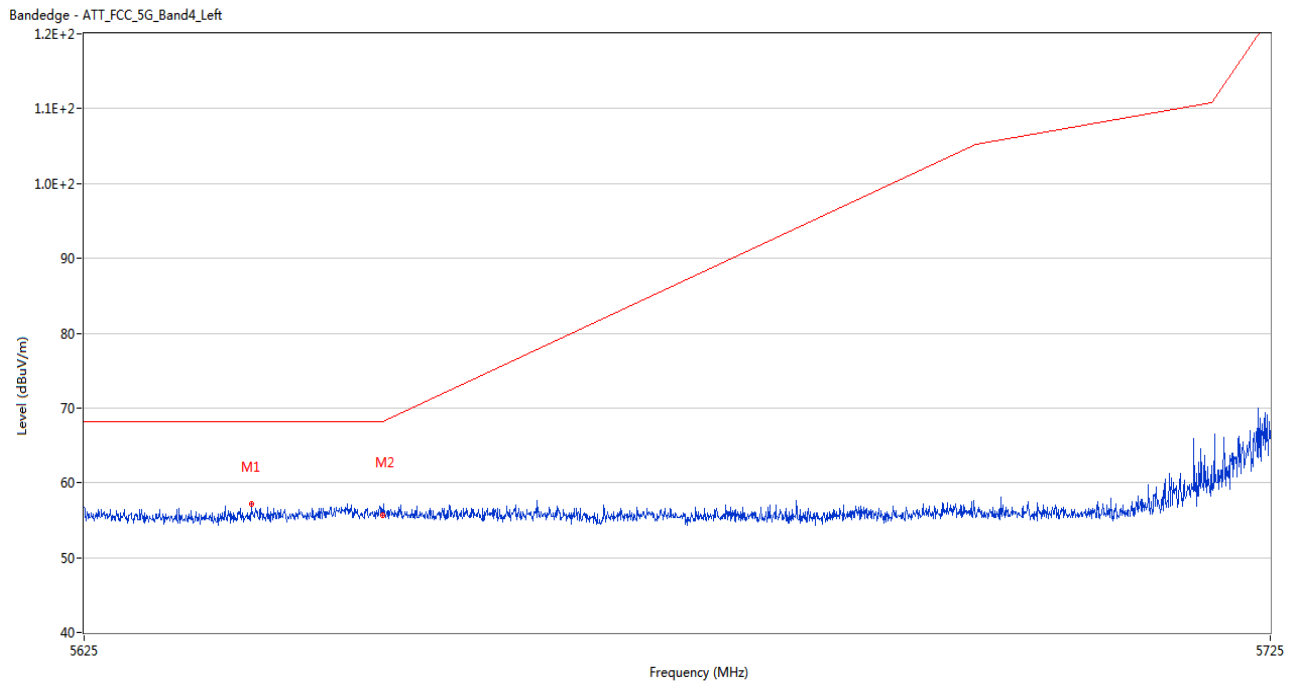
## U-NII-2C 11ac80 High Channel

Bandedge - ATT\_FCC\_5G\_Band3\_Right



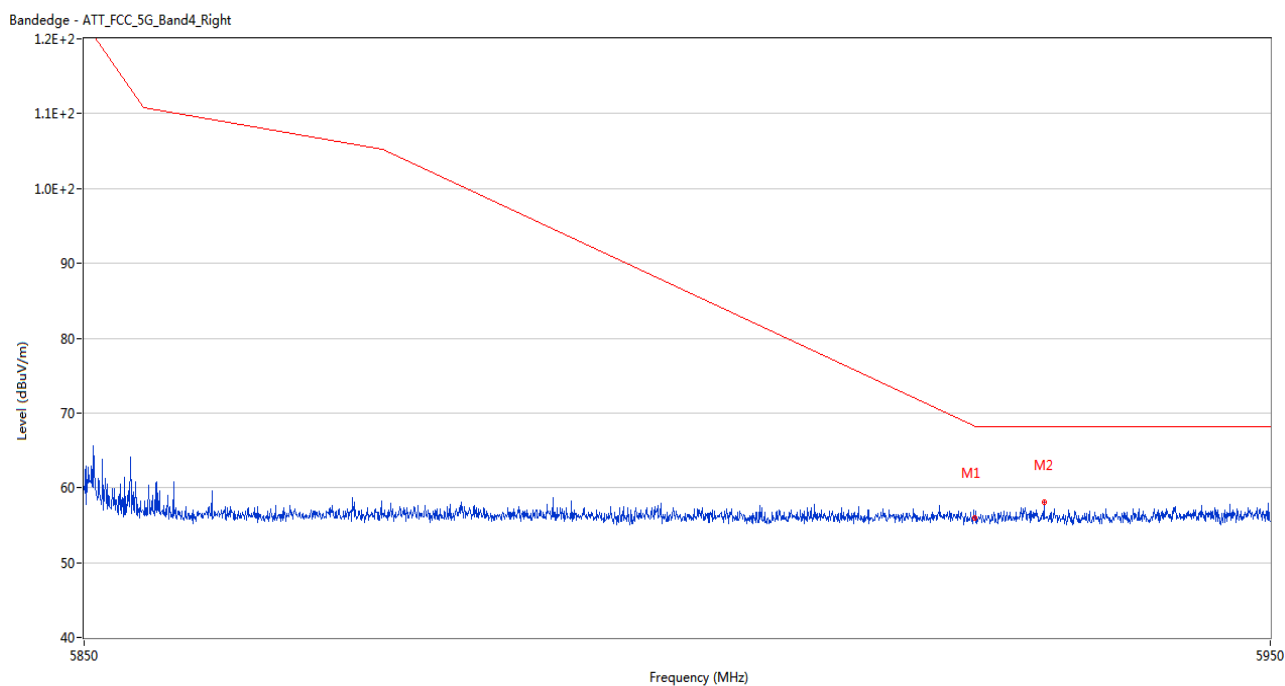
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 56.36            | 2.55        | 68.2           | 11.84       | Peak     | 61.00          | 100         | Horizontal | Pass    |
| 2   | 5752.850        | 57.89            | 2.60        | 68.2           | 10.31       | Peak     | 219.00         | 200         | Horizontal | Pass    |

## U-NII-3 11a Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5639.000        | 57.14            | 2.34        | 68.2           | 11.06       | Peak     | 329.00         | 100         | Horizontal | Pass    |
| 2   | 5650.000        | 55.61            | 2.54        | 68.2           | 12.59       | Peak     | 49.00          | 150         | Horizontal | Pass    |

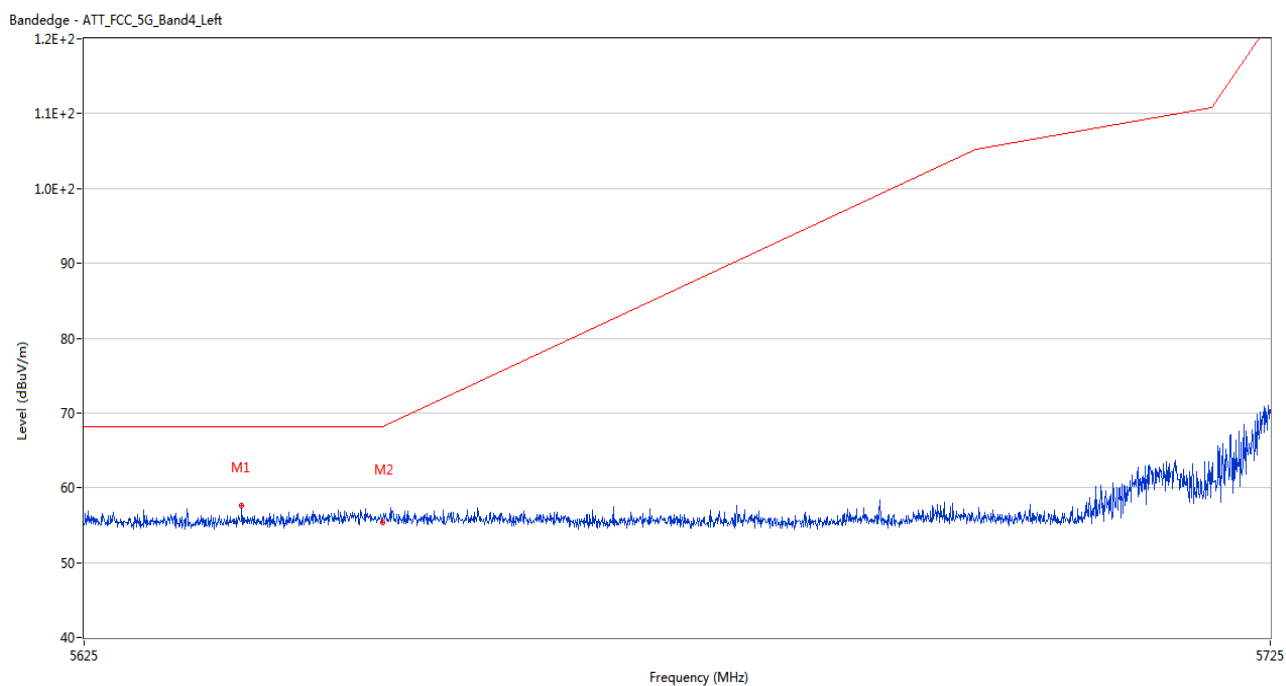
## U-NII-3 11a High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 55.91            | 2.32        | 68.2           | 12.29       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 2   | 5930.800        | 58.09            | 2.54        | 68.2           | 10.11       | Peak     | 46.00          | 150         | Horizontal | Pass    |

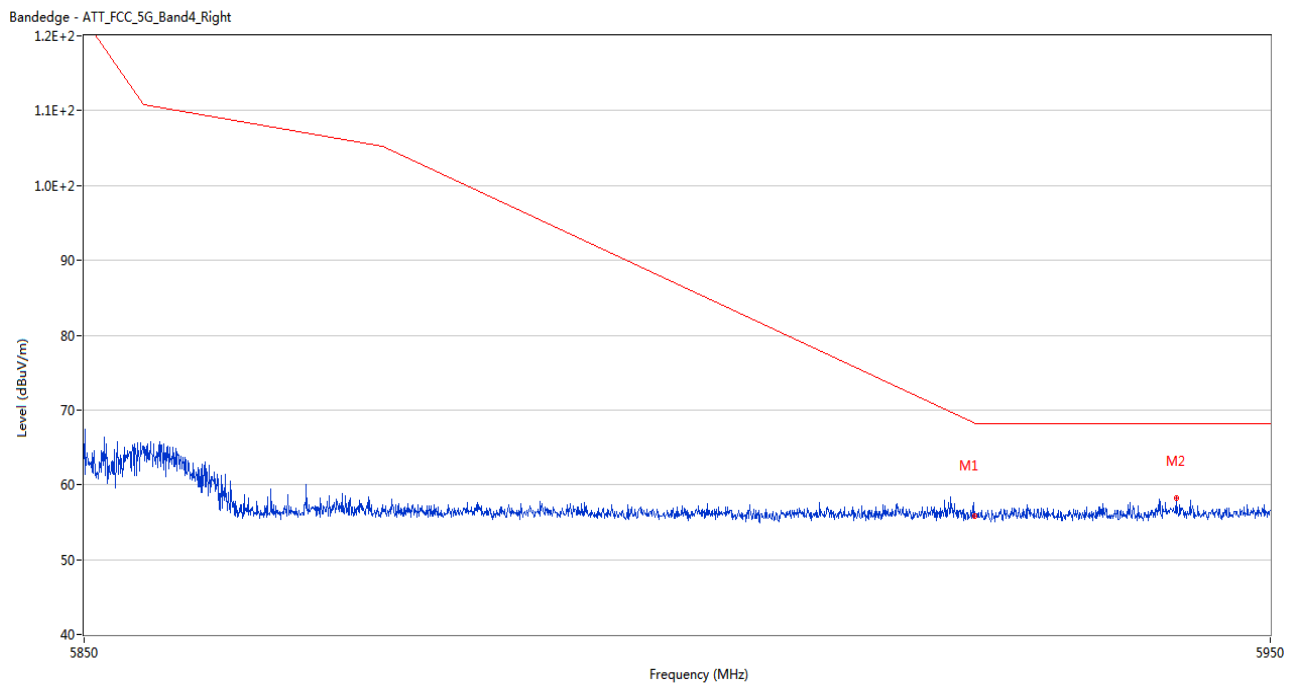


## U-NII-3 11n20 Low Channel



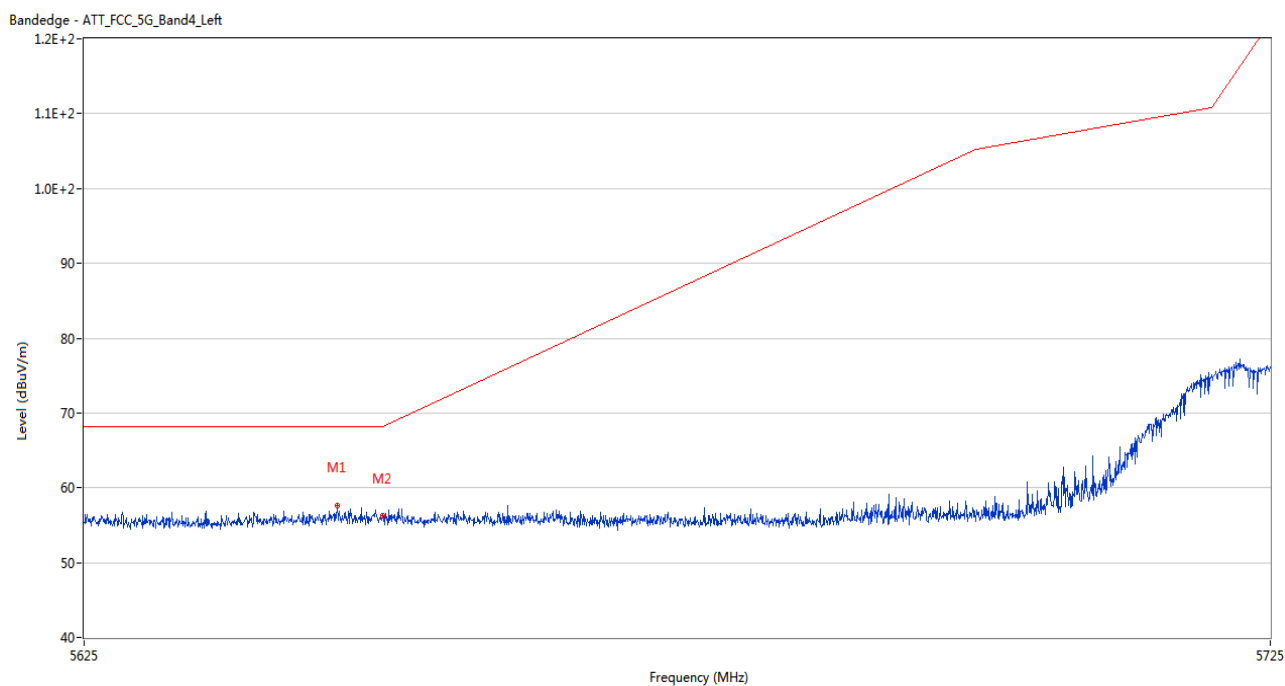
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5638.200        | 57.69            | 2.34        | 68.2           | 10.51       | Peak     | 176.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.44            | 2.54        | 68.2           | 12.76       | Peak     | 360.00         | 100         | Horizontal | Pass    |

## U-NII-3 11n20 High Channel



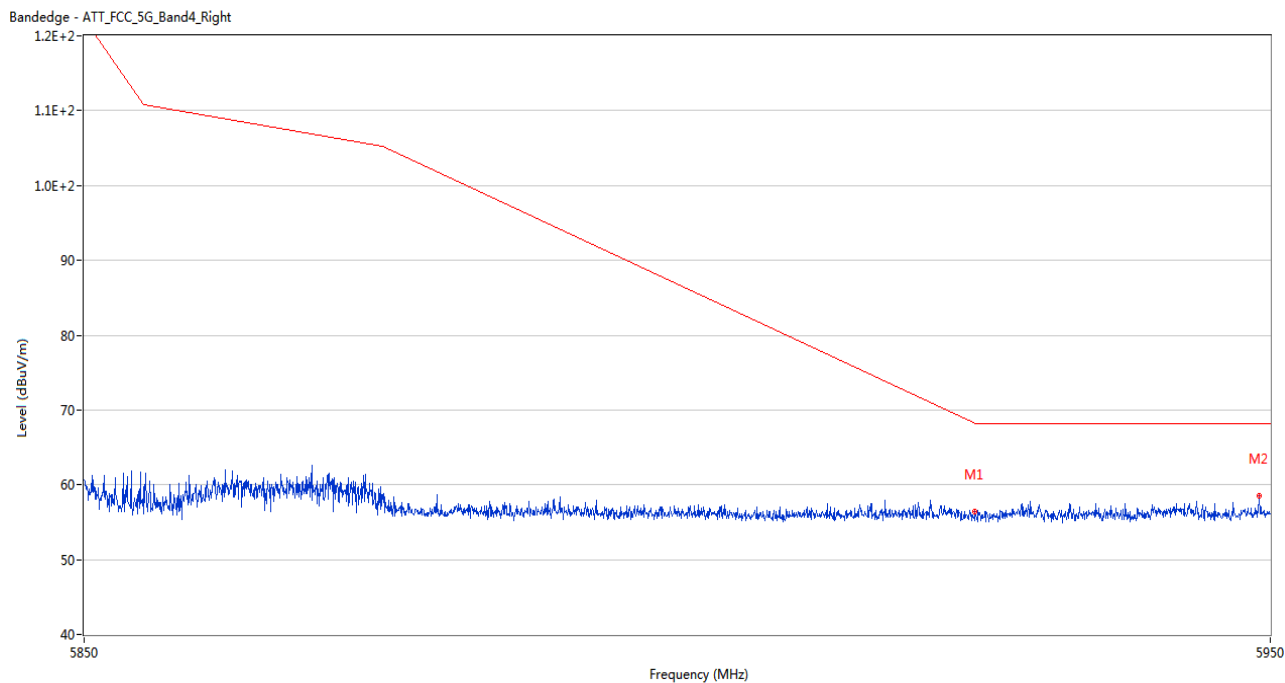
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 55.85            | 2.32        | 68.2           | 12.35       | Peak     | 321.00         | 200         | Horizontal | Pass    |
| 2   | 5942.000        | 58.20            | 2.82        | 68.2           | 10.00       | Peak     | 44.00          | 200         | Horizontal | Pass    |

## U-NII-3 11n40 Low Channel



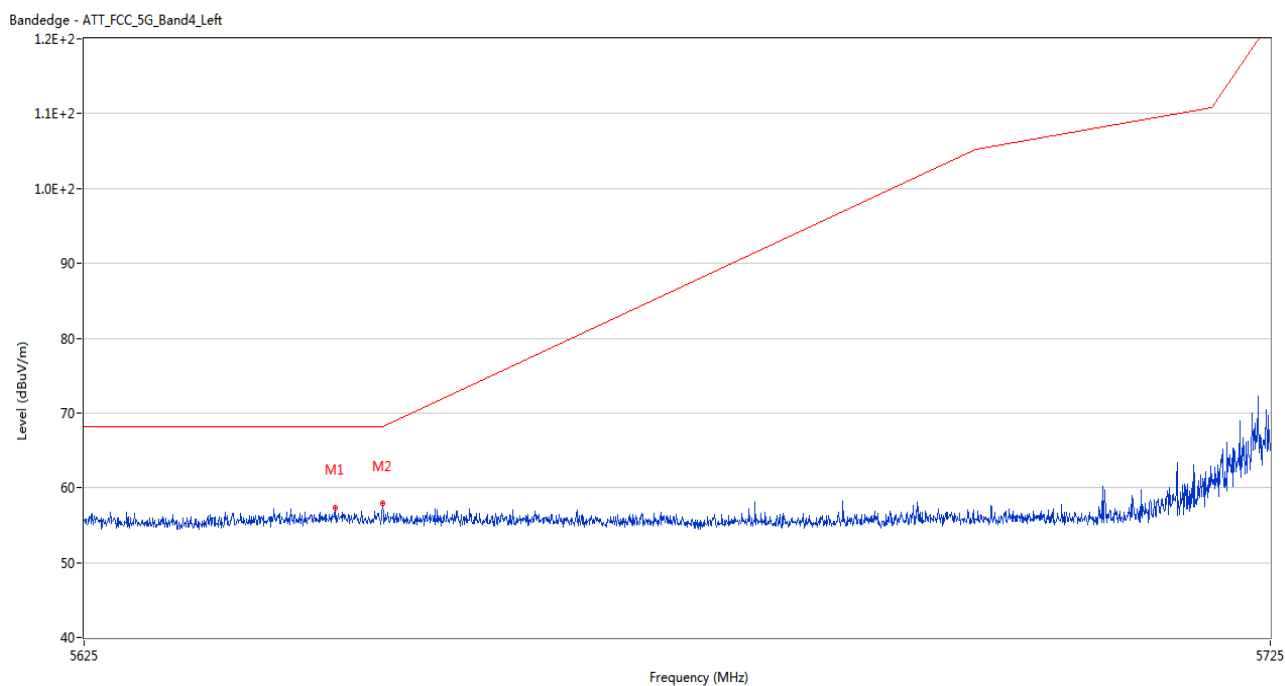
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5646.200        | 57.68            | 2.72        | 68.2           | 10.52       | Peak     | 163.00         | 100         | Horizontal | Pass    |
| 2   | 5650.000        | 56.27            | 2.54        | 68.2           | 11.93       | Peak     | 336.00         | 100         | Horizontal | Pass    |

## U-NII-3 11n40 High Channel



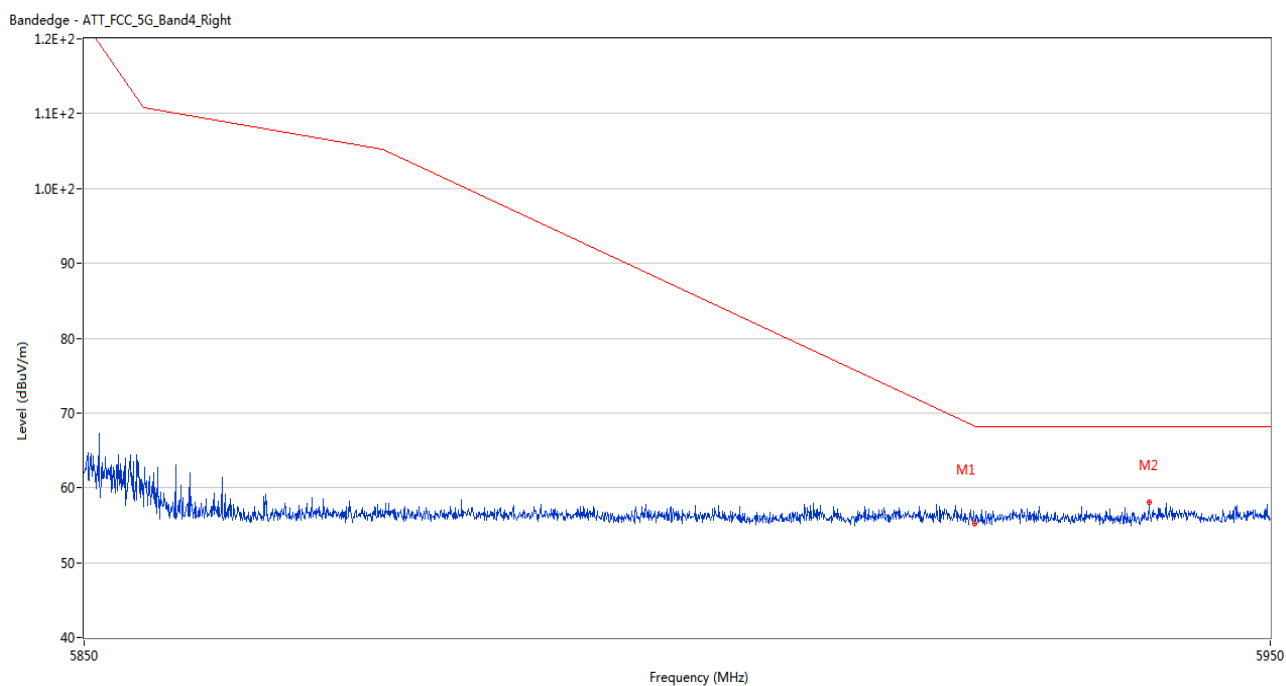
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 56.39            | 2.32        | 68.2           | 11.81       | Peak     | 59.00          | 100         | Horizontal | Pass    |
| 2   | 5949.050        | 58.52            | 2.61        | 68.2           | 9.68        | Peak     | 49.00          | 100         | Horizontal | Pass    |

## U-NII-3 11ac20 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5646.000        | 57.38            | 2.69        | 68.2           | 10.82       | Peak     | 88.00          | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 57.85            | 2.54        | 68.2           | 10.35       | Peak     | 105.00         | 150         | Horizontal | Pass    |

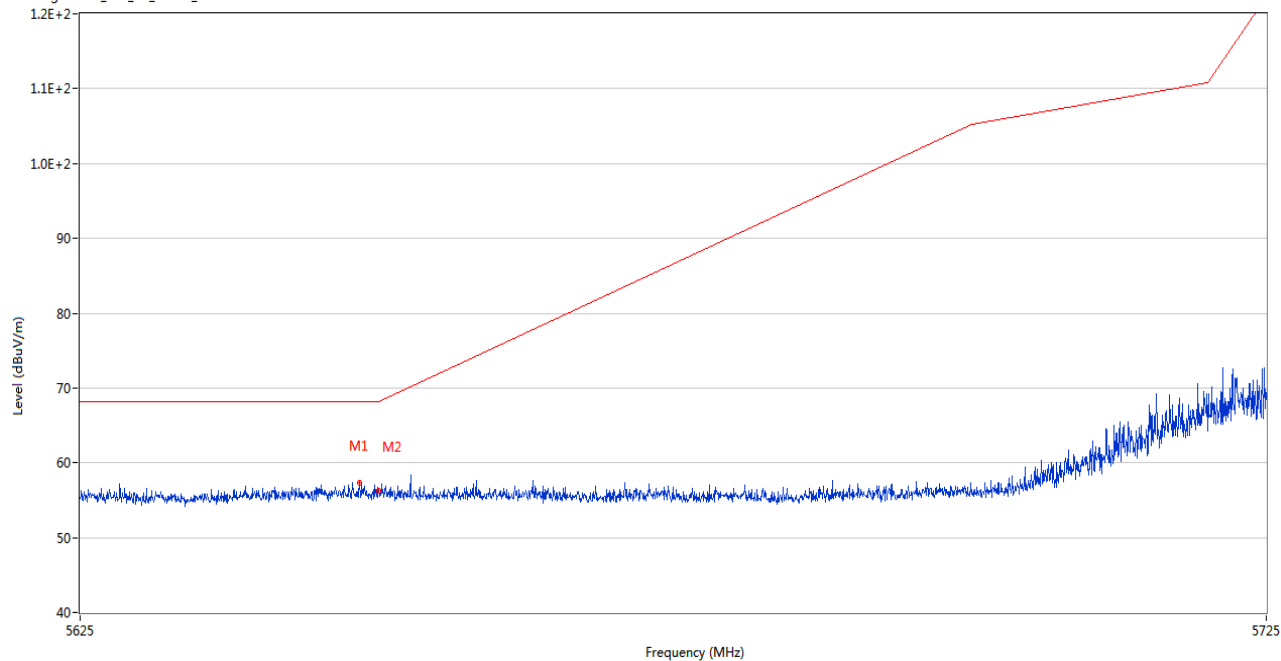
## U-NII-3 11ac20 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 55.18            | 2.32        | 68.2           | 13.02       | Peak     | 270.00         | 100         | Horizontal | Pass    |
| 2   | 5939.700        | 58.06            | 2.40        | 68.2           | 10.14       | Peak     | 191.00         | 100         | Horizontal | Pass    |

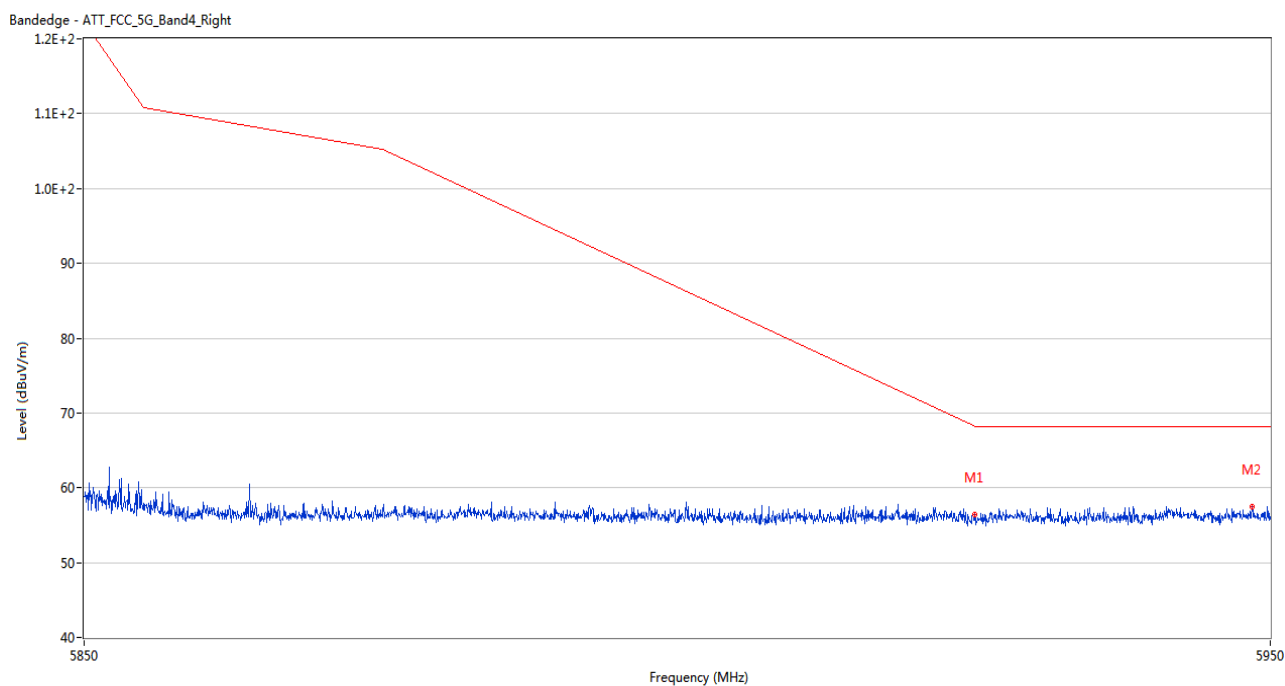
## U-NII-3 11ac40 Low Channel

Bandedge - ATT\_FCC\_5G\_Band4\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5648.400        | 57.32            | 2.51        | 68.2           | 10.88       | Peak     | 167.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 56.22            | 2.54        | 68.2           | 11.98       | Peak     | 238.00         | 100         | Horizontal | Pass    |

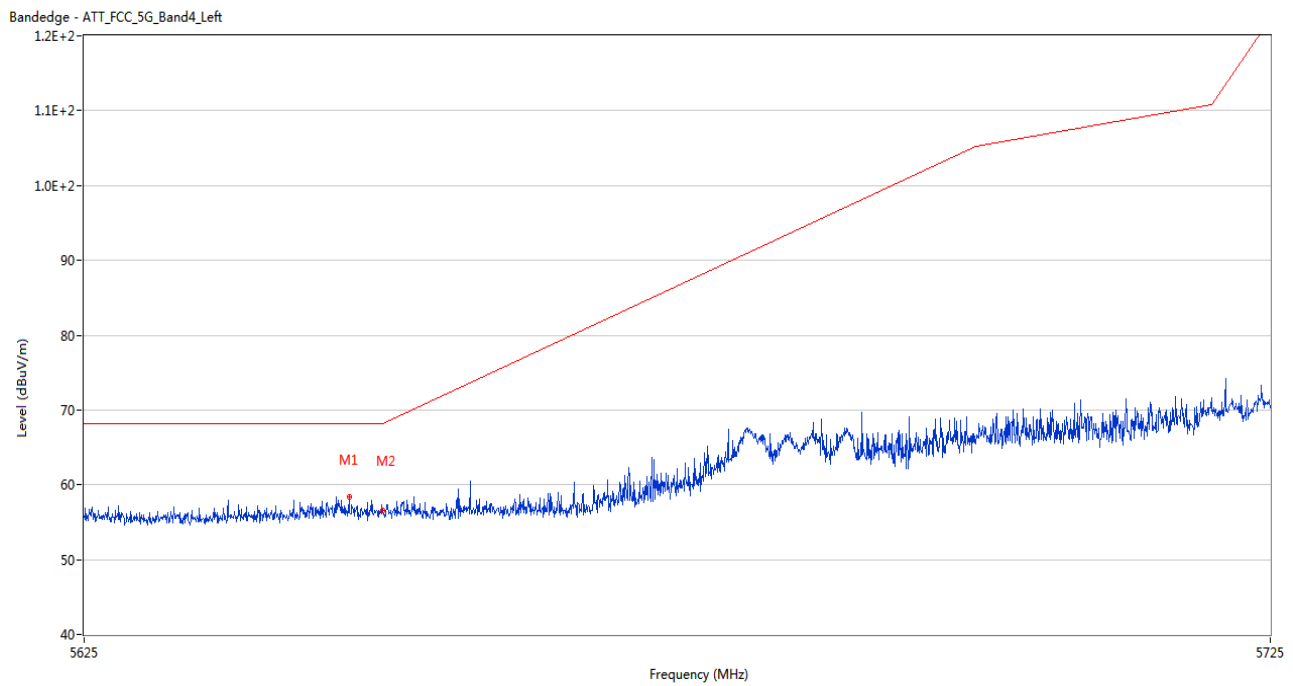
## U-NII-3 11ac40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 56.44            | 2.32        | 68.2           | 11.76       | Peak     | 143.00         | 200         | Horizontal | Pass    |
| 2   | 5948.450        | 57.51            | 2.67        | 68.2           | 10.69       | Peak     | 314.00         | 100         | Horizontal | Pass    |



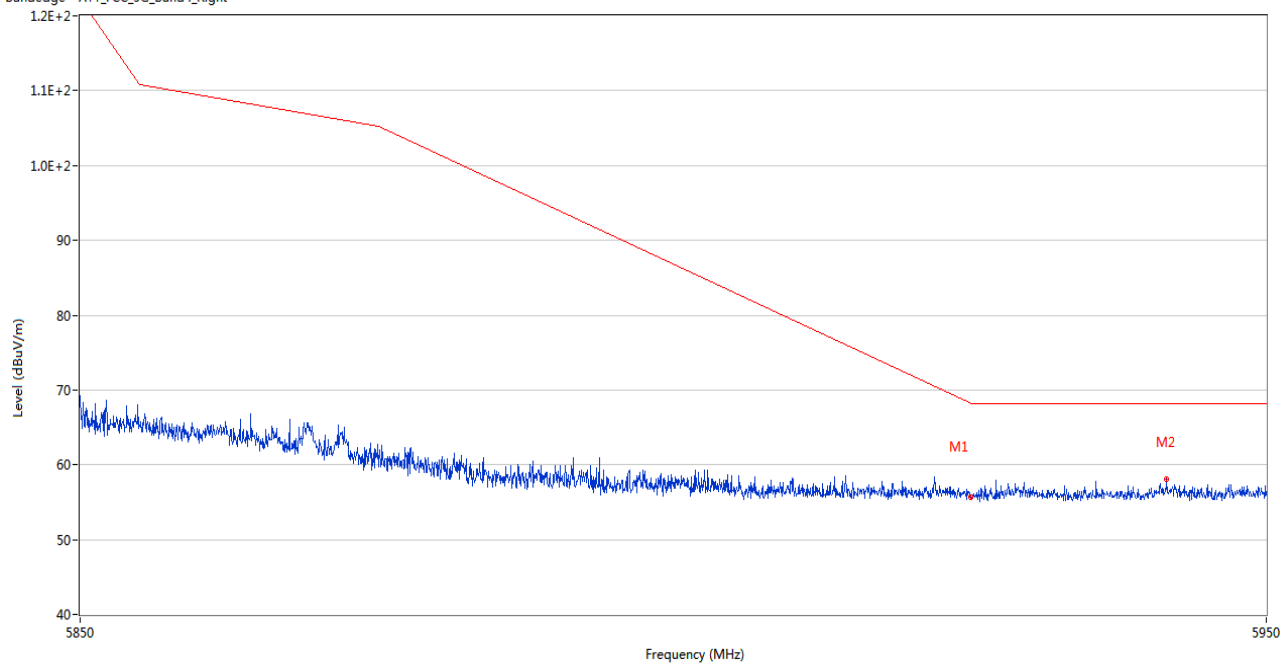
## U-NII-3 11ac80 Middle Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5647.200        | 58.34            | 2.63        | 68.2           | 9.86        | Peak     | 264.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 56.54            | 2.54        | 68.2           | 11.66       | Peak     | 264.00         | 150         | Horizontal | Pass    |

## U-NII-3 11ac80 Middle Channel

Bandedge - ATT\_FCC\_5G\_Band4\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 55.68            | 2.32        | 68.2           | 12.52       | Peak     | 130.00         | 100         | Horizontal | Pass    |
| 2   | 5941.550        | 58.01            | 2.89        | 68.2           | 10.19       | Peak     | 160.00         | 100         | Horizontal | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2451186-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2451186-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2451186-AI.PDF”.

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--END OF REPORT--