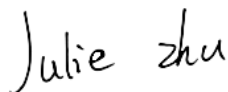


# TEST REPORT

**Applicant:** E&S International Enterprises, Inc.  
**Address:** 7801 Hayvenhurst Avenue, Van Nuys, California  
91406, United States  
**Equipment Type:** 10.1" Tablet  
**Model Name:** RATM31046 (refer to section 2.3)  
**Brand Name:** RCA  
**FCC ID:** 2AYPE-RATM31046  
**Test Standard:** 47 CFR Part 15 Subpart E  
(refer to section 3.1)  
**Sample Arrival Date:** May 30, 2024  
**Test Date:** May 30, 2024 - Jun. 12, 2024  
**Date of Issue:** Jul. 11, 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>                                     |
| <u>Rev. 01</u> | <u>Jul. 04, 2024</u> | <u>Corrected the Maximum Output Power in Section 2.4</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                                  | 10.1" Tablet                                                                                                                                                                  |
| Model Name Under Test                     | RATM31046                                                                                                                                                                     |
| Series Model Name                         | 16QF9, RATM31046-*****, RATM31046F-*****, RATM31046K-*****(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: 8.67 mW<br>U-NII-2A: 8.87 mW<br>U-NII-2C: 6.25 mW<br>U-NII-3: 6.21 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: 0.96 dBi<br>U-NII-2A: 5250 MHz to 5350 MHz: 0.59 dBi<br>U-NII-2C: 5470 MHz to 5725 MHz: 1.34 dBi<br>U-NII-3: 5725 MHz to 5850 MHz: 0.67 dBi |
| About the Product                                             | The equipment is 10.1" 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          | 44% to 66%              |                    |
| Atmospheric Pressure       | 100 kPa to 102 kPa      |                    |
| Temperature                | NT (Normal Temperature) | +21.8°C to +24.8°C |
|                            | LT (Low Temperature)    | 0.0°C              |
|                            | HT (High Temperature)   | +35.0°C            |
| 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   | 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 |
| 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    | 2024.05.09 | 2025.05.08 |
| Shielded Enclosure  | YiHeng Electronic Co., Ltd | 3.5m*3.1m*2.8m    | 112         | 2022.02.19 | 2025.02.18 |
| Spectrum Analyzer   | ROHDE&SCHWARZ              | FSV-40            | 101544      | 2023.12.27 | 2024.12.26 |
| Amplifier           | COM-MV                     | KA LNA18 40G-01   | 18050001    | 2023.12.06 | 2024.12.05 |

### 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%          |

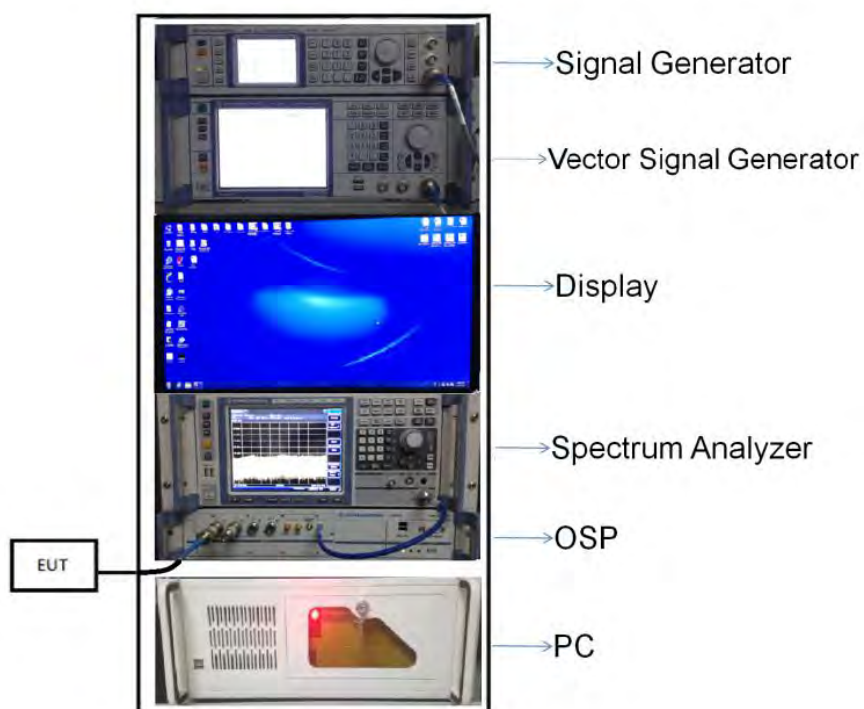
## 4.5 Description of Test Setup

### 4.5.1 For Antenna Port Test

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

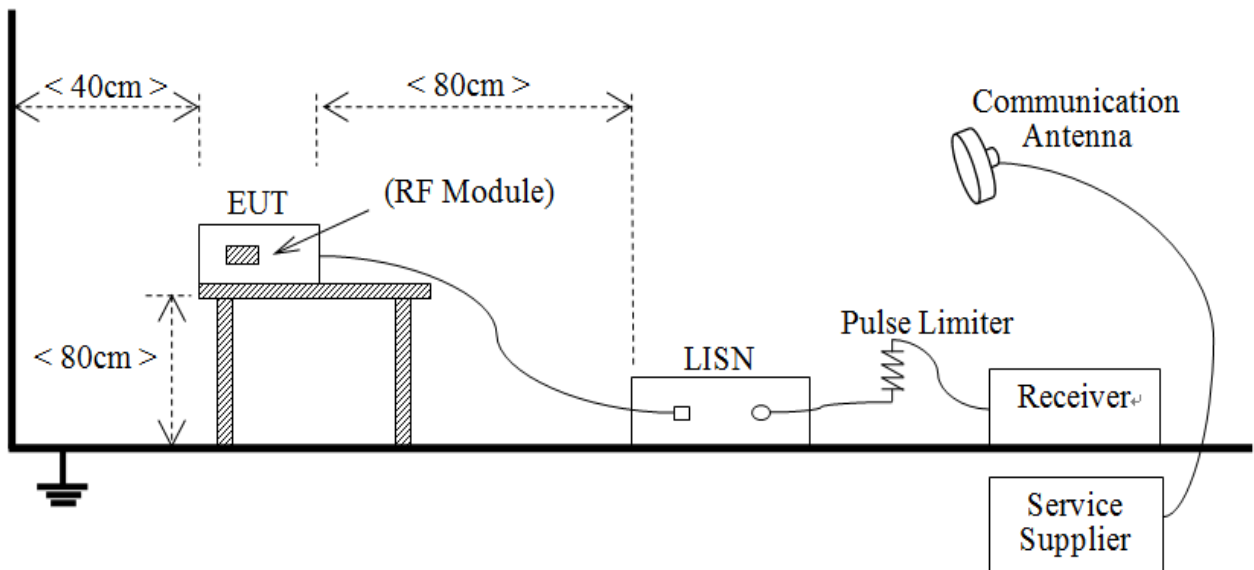
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



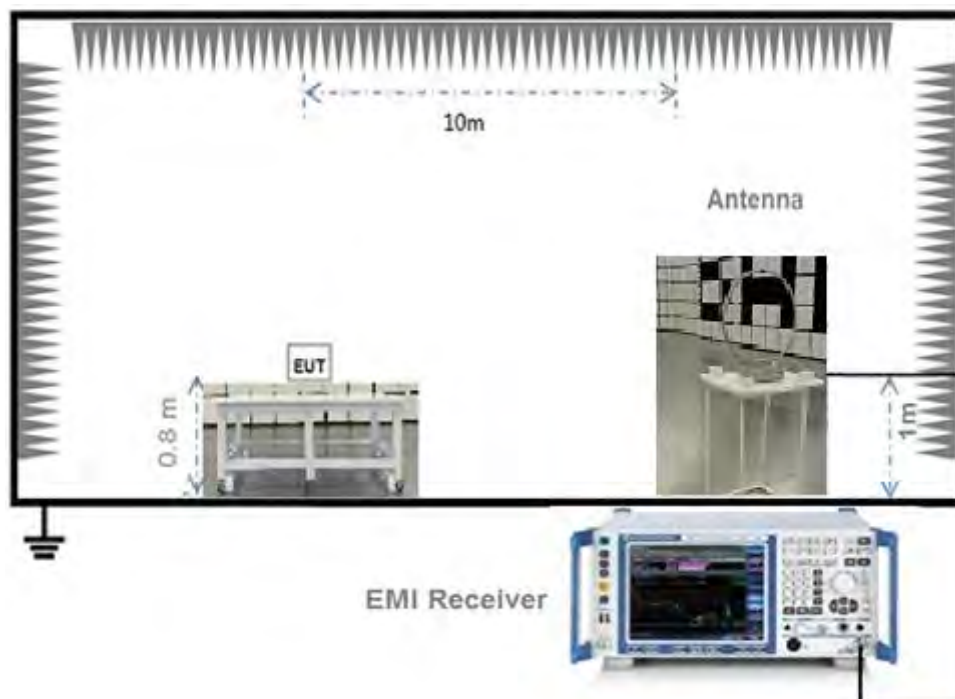
(Diagram 1)

#### 4.5.2 For AC Power Supply Port Test



(Diagram 2)

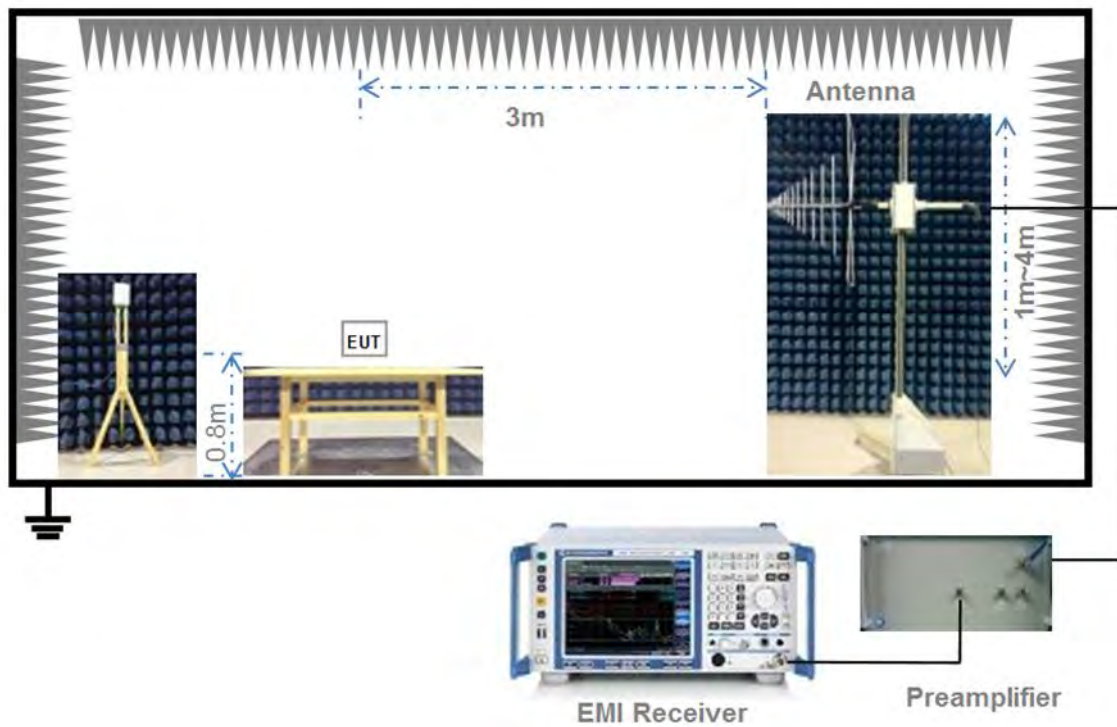
#### 4.5.3 For Radiated Test (Below 30 MHz)



(Diagram 3)

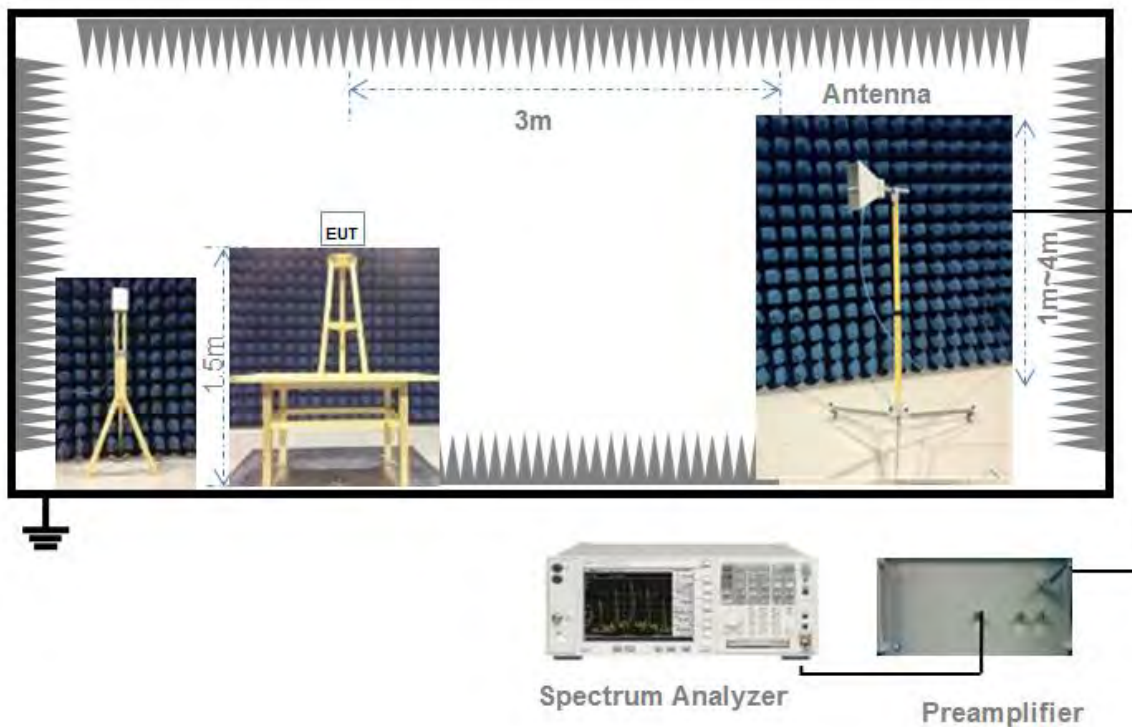


#### 4.5.4 For Radiated Test (30 MHz-1 GHz)



(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 ≥ 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)

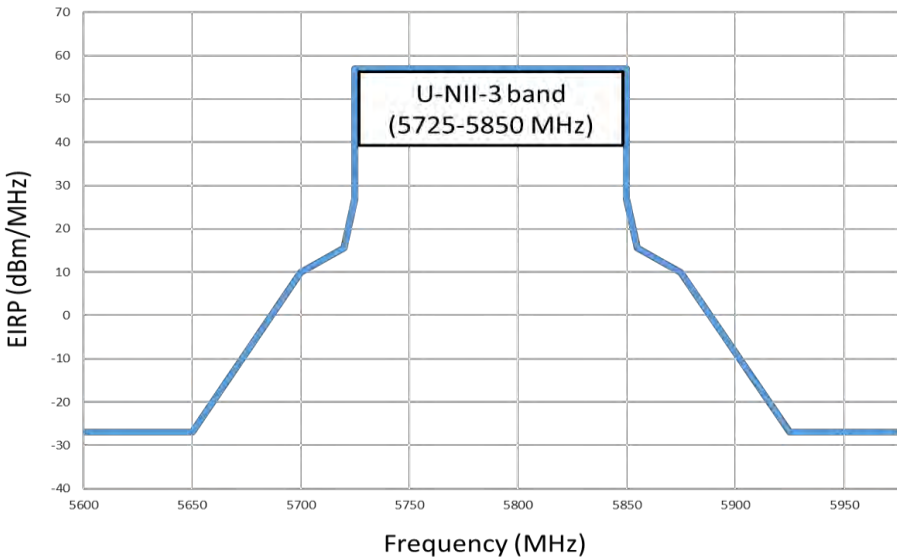
### 5.5.1 Limit

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             | 97.27%     | 0.12        |
| 11n (HT20)/11ac (VHT20) | 1.31         | 1.35             | 97.40%     | 0.11        |
| 11n (HT40)/11ac (VHT40) | 0.65         | 0.69             | 95.05%     | 0.22        |
| 11ac (VHT80)            | 0.32         | 0.36             | 90.24%     | 0.45        |

#### Test Data

#### Conducted Power

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 9.24                  | 8.39                 | 250            | Pass    |
| 11a                       | CH44    | 9.18                  | 8.28                 | 250            | Pass    |
| 11a                       | CH48    | 9.26                  | 8.43                 | 250            | Pass    |
| 11n (HT20)                | CH36    | 9.14                  | 8.20                 | 250            | Pass    |
| 11n (HT20)                | CH44    | 9.07                  | 8.07                 | 250            | Pass    |
| 11n (HT20)                | CH48    | 9.13                  | 8.18                 | 250            | Pass    |
| 11n (HT40)                | CH38    | 9.15                  | 8.22                 | 250            | Pass    |
| 11n (HT40)                | CH46    | 9.06                  | 8.05                 | 250            | Pass    |
| 11ac (VHT20)              | CH36    | 9.16                  | 8.24                 | 250            | Pass    |
| 11ac (VHT20)              | CH44    | 9.04                  | 8.02                 | 250            | Pass    |
| 11ac (VHT20)              | CH48    | 9.10                  | 8.13                 | 250            | Pass    |
| 11ac (VHT40)              | CH38    | 9.23                  | 8.38                 | 250            | Pass    |
| 11ac (VHT40)              | CH46    | 9.06                  | 8.05                 | 250            | Pass    |
| 11ac (VHT80)              | CH42    | 9.38                  | 8.67                 | 250            | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH52    | 9.40                  | 8.71                 | 250            | Pass    |
| 11a                        | CH60    | 9.35                  | 8.61                 | 250            | Pass    |
| 11a                        | CH64    | 9.33                  | 8.57                 | 250            | Pass    |
| 11n (HT20)                 | CH52    | 9.24                  | 8.39                 | 250            | Pass    |
| 11n (HT20)                 | CH60    | 9.25                  | 8.41                 | 250            | Pass    |
| 11n (HT20)                 | CH64    | 9.22                  | 8.36                 | 250            | Pass    |
| 11n (HT40)                 | CH54    | 9.17                  | 8.26                 | 250            | Pass    |
| 11n (HT40)                 | CH62    | 9.22                  | 8.36                 | 250            | Pass    |
| 11ac (VHT20)               | CH52    | 9.24                  | 8.39                 | 250            | Pass    |
| 11ac (VHT20)               | CH60    | 9.31                  | 8.53                 | 250            | Pass    |
| 11ac (VHT20)               | CH64    | 9.19                  | 8.30                 | 250            | Pass    |
| 11ac (VHT40)               | CH54    | 9.48                  | 8.87                 | 250            | Pass    |
| 11ac (VHT40)               | CH62    | 9.01                  | 7.96                 | 250            | Pass    |
| 11ac (VHT80)               | CH58    | 9.15                  | 8.22                 | 250            | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH100   | 7.50                  | 5.62                 | 250            | Pass    |
| 11a                        | CH116   | 7.96                  | 6.25                 | 250            | Pass    |
| 11a                        | CH140   | 7.83                  | 6.07                 | 250            | Pass    |
| 11n (HT20)                 | CH100   | 7.59                  | 5.74                 | 250            | Pass    |
| 11n (HT20)                 | CH116   | 7.94                  | 6.22                 | 250            | Pass    |
| 11n (HT20)                 | CH140   | 7.71                  | 5.90                 | 250            | Pass    |
| 11n (HT40)                 | CH102   | 7.56                  | 5.70                 | 250            | Pass    |
| 11n (HT40)                 | CH118   | 7.96                  | 6.25                 | 250            | Pass    |
| 11n (HT40)                 | CH134   | 7.95                  | 6.24                 | 250            | Pass    |
| 11ac (VHT20)               | CH100   | 7.58                  | 5.73                 | 250            | Pass    |
| 11ac (VHT20)               | CH116   | 7.95                  | 6.24                 | 250            | Pass    |
| 11ac (VHT20)               | CH140   | 7.71                  | 5.90                 | 250            | Pass    |
| 11ac (VHT40)               | CH102   | 7.61                  | 5.77                 | 250            | Pass    |
| 11ac (VHT40)               | CH118   | 7.51                  | 5.64                 | 250            | Pass    |
| 11ac (VHT40)               | CH134   | 7.90                  | 6.17                 | 250            | Pass    |
| 11ac (VHT80)               | CH106   | 7.74                  | 5.94                 | 250            | Pass    |
| 11ac (VHT80)               | CH122   | 7.65                  | 5.82                 | 250            | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 7.76                  | 5.97                 | 1000           | Pass    |
| 11a                       | CH157   | 7.77                  | 5.98                 | 1000           | Pass    |
| 11a                       | CH165   | 7.48                  | 5.60                 | 1000           | Pass    |
| 11n (HT20)                | CH149   | 7.62                  | 5.78                 | 1000           | Pass    |
| 11n (HT20)                | CH157   | 7.64                  | 5.81                 | 1000           | Pass    |
| 11n (HT20)                | CH165   | 7.93                  | 6.21                 | 1000           | Pass    |
| 11n (HT40)                | CH151   | 7.75                  | 5.96                 | 1000           | Pass    |
| 11n (HT40)                | CH159   | 7.71                  | 5.90                 | 1000           | Pass    |
| 11ac (VHT20)              | CH149   | 7.59                  | 5.74                 | 1000           | Pass    |
| 11ac (VHT20)              | CH157   | 7.61                  | 5.77                 | 1000           | Pass    |
| 11ac (VHT20)              | CH165   | 7.87                  | 6.12                 | 1000           | Pass    |
| 11ac (VHT40)              | CH151   | 7.73                  | 5.93                 | 1000           | Pass    |
| 11ac (VHT40)              | CH159   | 7.68                  | 5.86                 | 1000           | Pass    |
| 11ac (VHT80)              | CH155   | 7.67                  | 5.85                 | 1000           | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2451145-604 Data Part 1.pdf".

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 20.07                 | 16.50               |
| 11a                       | CH44    | 20.00                 | 16.49               |
| 11a                       | CH48    | 20.00                 | 16.50               |
| 11n (HT20)                | CH36    | 20.37                 | 17.60               |
| 11n (HT20)                | CH44    | 20.32                 | 17.61               |
| 11n (HT20)                | CH48    | 20.34                 | 17.60               |
| 11n (HT40)                | CH38    | 40.72                 | 36.08               |
| 11n (HT40)                | CH46    | 40.78                 | 36.07               |
| 11ac (VHT20)              | CH36    | 20.32                 | 17.58               |
| 11ac (VHT20)              | CH44    | 20.31                 | 17.58               |
| 11ac (VHT20)              | CH48    | 20.34                 | 17.59               |
| 11ac (VHT40)              | CH38    | 40.55                 | 36.03               |
| 11ac (VHT40)              | CH46    | 40.89                 | 36.02               |
| 11ac (VHT80)              | CH42    | 81.07                 | 75.36               |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH52    | 20.03                 | 16.52               |
| 11a                        | CH60    | 20.06                 | 16.51               |
| 11a                        | CH64    | 19.99                 | 16.49               |
| 11n (HT20)                 | CH52    | 20.44                 | 17.59               |
| 11n (HT20)                 | CH60    | 20.43                 | 17.59               |
| 11n (HT20)                 | CH64    | 20.40                 | 17.62               |
| 11n (HT40)                 | CH54    | 40.50                 | 36.08               |
| 11n (HT40)                 | CH62    | 40.68                 | 36.12               |
| 11ac (VHT20)               | CH52    | 20.43                 | 17.58               |
| 11ac (VHT20)               | CH60    | 20.44                 | 17.58               |
| 11ac (VHT20)               | CH64    | 20.38                 | 17.58               |
| 11ac (VHT40)               | CH54    | 40.72                 | 36.05               |
| 11ac (VHT40)               | CH62    | 40.70                 | 36.06               |
| 11ac (VHT80)               | CH58    | 81.02                 | 75.41               |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH100   | 20.13                 | 16.53               |
| 11a                        | CH116   | 20.57                 | 16.54               |
| 11a                        | CH140   | 20.09                 | 16.56               |
| 11n (HT20)                 | CH100   | 20.40                 | 17.62               |
| 11n (HT20)                 | CH116   | 20.51                 | 17.65               |
| 11n (HT20)                 | CH140   | 21.22                 | 17.66               |
| 11n (HT40)                 | CH102   | 41.30                 | 36.16               |
| 11n (HT40)                 | CH118   | 40.76                 | 36.19               |
| 11n (HT40)                 | CH134   | 40.54                 | 36.15               |
| 11ac (VHT20)               | CH100   | 20.46                 | 17.60               |
| 11ac (VHT20)               | CH116   | 20.34                 | 17.63               |
| 11ac (VHT20)               | CH140   | 20.51                 | 17.66               |
| 11ac (VHT40)               | CH102   | 40.84                 | 36.09               |
| 11ac (VHT40)               | CH118   | 40.79                 | 36.10               |
| 11ac (VHT40)               | CH134   | 40.61                 | 36.07               |
| 11ac (VHT80)               | CH106   | 81.18                 | 75.55               |
| 11ac (VHT80)               | CH122   | 107.20                | 75.57               |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 21.46                 | 16.57               |
| 11a                       | CH157   | 20.30                 | 16.57               |
| 11a                       | CH165   | 20.79                 | 16.57               |
| 11n (HT20)                | CH149   | 20.45                 | 17.67               |
| 11n (HT20)                | CH157   | 21.76                 | 17.68               |
| 11n (HT20)                | CH165   | 20.49                 | 17.67               |
| 11n (HT40)                | CH151   | 41.25                 | 36.22               |
| 11n (HT40)                | CH159   | 41.01                 | 36.25               |
| 11ac (VHT20)              | CH149   | 20.99                 | 17.64               |
| 11ac (VHT20)              | CH157   | 20.46                 | 17.65               |
| 11ac (VHT20)              | CH165   | 22.02                 | 17.64               |
| 11ac (VHT40)              | CH151   | 41.41                 | 36.13               |
| 11ac (VHT40)              | CH159   | 40.58                 | 36.11               |
| 11ac (VHT80)              | CH155   | 93.59                 | 75.59               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2451145-604 Data Part 2.pdf”.

#### Test Data

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 15.40                | 500.00      | Pass    |
| 11a                       | CH157   | 15.40                | 500.00      | Pass    |
| 11a                       | CH165   | 15.40                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 15.40                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.40                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.30                | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.40                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 35.30                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.40                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.40                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.40                | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.40                | 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-SZ2451145-604 Data Part 3.pdf”.

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | -1.27         | 11.00           | Pass    |
| 11a                       | CH44    | -1.34         | 11.00           | Pass    |
| 11a                       | CH48    | -1.26         | 11.00           | Pass    |
| 11n (HT20)                | CH36    | -1.55         | 11.00           | Pass    |
| 11n (HT20)                | CH44    | -1.65         | 11.00           | Pass    |
| 11n (HT20)                | CH48    | -1.54         | 11.00           | Pass    |
| 11n (HT40)                | CH38    | -4.41         | 11.00           | Pass    |
| 11n (HT40)                | CH46    | -4.65         | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | -1.64         | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | -1.72         | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | -1.73         | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | -4.46         | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | -4.62         | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -7.53         | 11.00           | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH52    | -1.27         | 11.00           | Pass    |
| 11a                        | CH60    | -1.33         | 11.00           | Pass    |
| 11a                        | CH64    | -1.28         | 11.00           | Pass    |
| 11n (HT20)                 | CH52    | -1.58         | 11.00           | Pass    |
| 11n (HT20)                 | CH60    | -1.62         | 11.00           | Pass    |
| 11n (HT20)                 | CH64    | -1.53         | 11.00           | Pass    |
| 11n (HT40)                 | CH54    | -4.60         | 11.00           | Pass    |
| 11n (HT40)                 | CH62    | -4.50         | 11.00           | Pass    |
| 11ac (VHT20)               | CH52    | -1.63         | 11.00           | Pass    |
| 11ac (VHT20)               | CH60    | -1.55         | 11.00           | Pass    |
| 11ac (VHT20)               | CH64    | -1.65         | 11.00           | Pass    |
| 11ac (VHT40)               | CH54    | -4.27         | 11.00           | Pass    |
| 11ac (VHT40)               | CH62    | -4.77         | 11.00           | Pass    |
| 11ac (VHT80)               | CH58    | -7.66         | 11.00           | Pass    |



| U-NII-2C (5470 - 5725 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH100   | -2.94         | 11.00           | Pass    |
| 11a                        | CH116   | -2.44         | 11.00           | Pass    |
| 11a                        | CH140   | -2.77         | 11.00           | Pass    |
| 11n (HT20)                 | CH100   | -3.09         | 11.00           | Pass    |
| 11n (HT20)                 | CH116   | -2.71         | 11.00           | Pass    |
| 11n (HT20)                 | CH140   | -3.17         | 11.00           | Pass    |
| 11n (HT40)                 | CH102   | -5.96         | 11.00           | Pass    |
| 11n (HT40)                 | CH118   | -5.71         | 11.00           | Pass    |
| 11n (HT40)                 | CH134   | -5.71         | 11.00           | Pass    |
| 11ac (VHT20)               | CH100   | -3.15         | 11.00           | Pass    |
| 11ac (VHT20)               | CH116   | -2.72         | 11.00           | Pass    |
| 11ac (VHT20)               | CH140   | -3.04         | 11.00           | Pass    |
| 11ac (VHT40)               | CH102   | -5.94         | 11.00           | Pass    |
| 11ac (VHT40)               | CH118   | -6.18         | 11.00           | Pass    |
| 11ac (VHT40)               | CH134   | -5.82         | 11.00           | Pass    |
| 11ac (VHT80)               | CH106   | -8.90         | 11.00           | Pass    |
| 11ac (VHT80)               | CH122   | -9.14         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | -5.60            | 30.00              | Pass    |
| 11a                       | CH157   | -5.65            | 30.00              | Pass    |
| 11a                       | CH165   | -6.02            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | -5.94            | 30.00              | Pass    |
| 11n (HT20)                | CH157   | -5.96            | 30.00              | Pass    |
| 11n (HT20)                | CH165   | -5.73            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -8.78            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -8.95            | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | -5.93            | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -6.04            | 30.00              | Pass    |
| 11ac (VHT20)              | CH165   | -5.85            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -8.83            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -8.87            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -11.60           | 30.00              | Pass    |

## A.5 Conducted Emissions

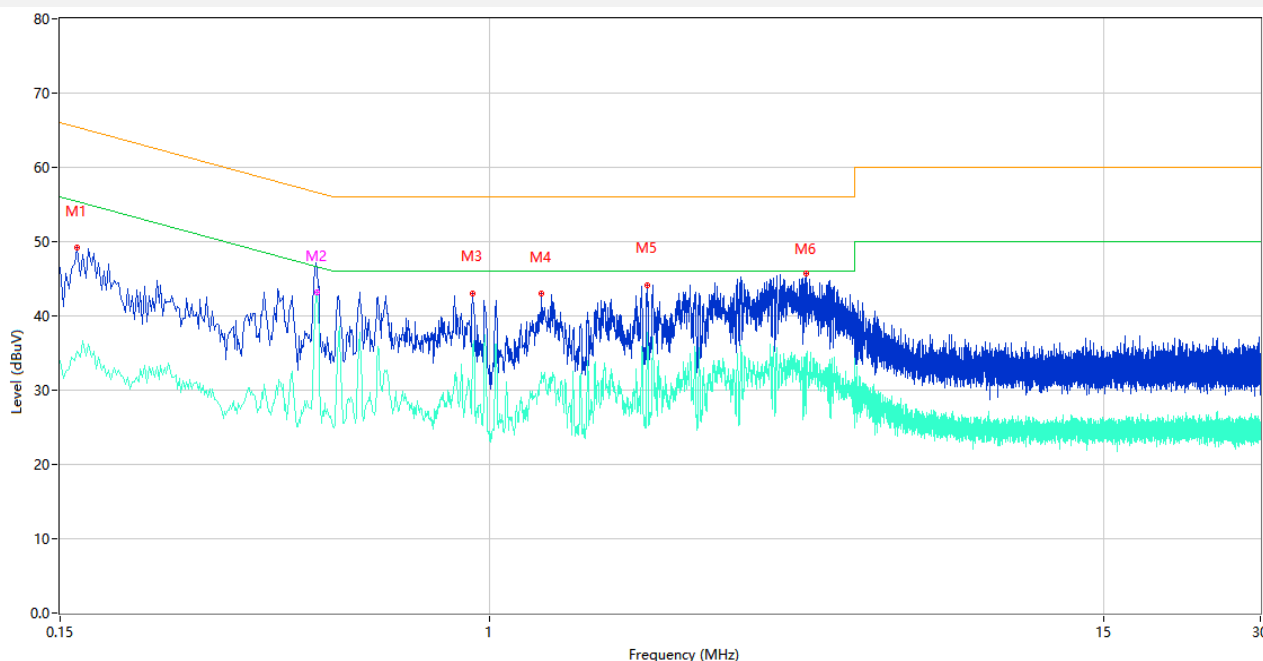
Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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 (240 VAC, 50 Hz) shown here.

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

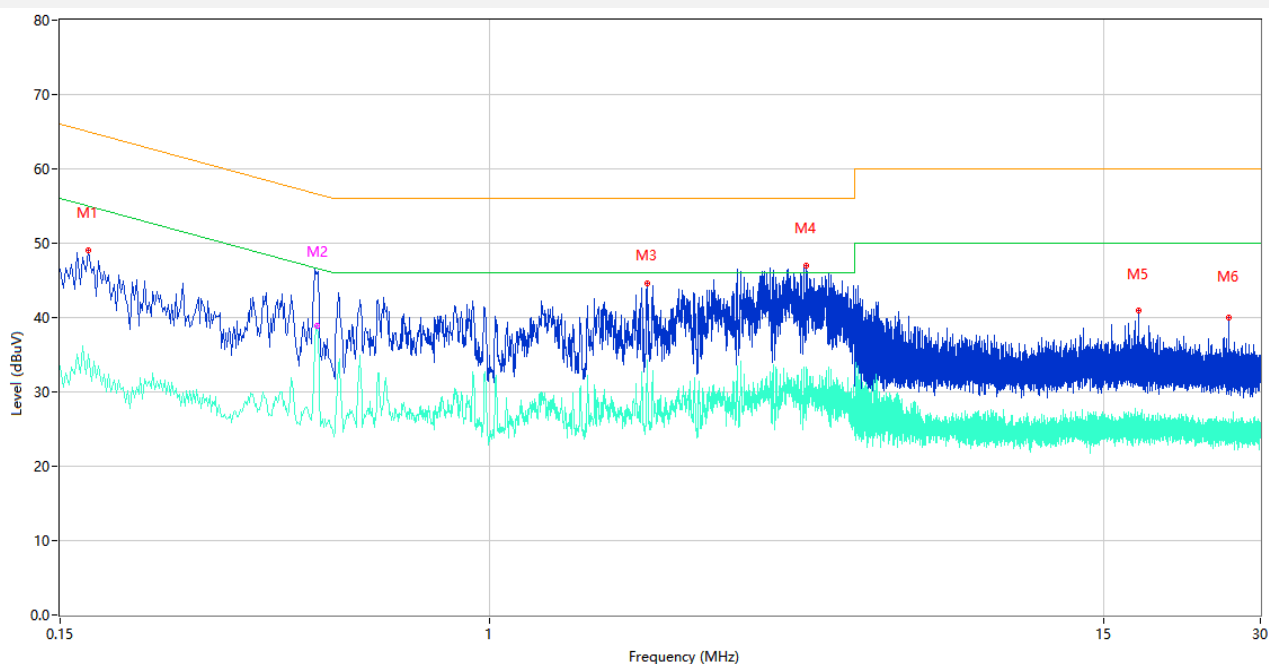
### Test Data and Plots

#### PHASE L



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.162           | 49.15          | 9.78        | 65.36        | 16.21       | Peak     | L    | Pass    |
| 1** | 0.162           | 35.28          | 9.78        | 55.36        | 20.08       | AV       | L    | Pass    |
| 2   | 0.466           | 46.29          | 10.01       | 56.58        | 10.29       | Peak     | L    | Pass    |
| 2** | 0.466           | 43.10          | 10.01       | 46.58        | 3.48        | AV       | L    | Pass    |
| 3   | 0.928           | 43.09          | 10.11       | 56.00        | 12.91       | Peak     | L    | Pass    |
| 3** | 0.928           | 35.81          | 10.11       | 46.00        | 10.19       | AV       | L    | Pass    |
| 4   | 1.256           | 42.95          | 10.45       | 56.00        | 13.05       | Peak     | L    | Pass    |
| 4** | 1.256           | 31.83          | 10.45       | 46.00        | 14.17       | AV       | L    | Pass    |
| 5   | 2.002           | 44.19          | 10.24       | 56.00        | 11.81       | Peak     | L    | Pass    |
| 5** | 2.002           | 36.20          | 10.24       | 46.00        | 9.80        | AV       | L    | Pass    |
| 6   | 4.048           | 45.71          | 10.34       | 56.00        | 10.29       | Peak     | L    | Pass    |
| 6** | 4.048           | 31.51          | 10.34       | 46.00        | 14.49       | AV       | L    | Pass    |

## PHASE N



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.170           | 49.09          | 9.78        | 64.96        | 15.87       | Peak     | N    | Pass    |
| 1** | 0.170           | 35.08          | 9.78        | 54.96        | 19.88       | AV       | N    | Pass    |
| 2   | 0.466           | 45.94          | 10.01       | 56.58        | 10.64       | Peak     | N    | Pass    |
| 2** | 0.466           | 38.91          | 10.01       | 46.58        | 7.67        | AV       | N    | Pass    |
| 3   | 2.002           | 44.54          | 10.24       | 56.00        | 11.46       | Peak     | N    | Pass    |
| 3** | 2.002           | 33.37          | 10.24       | 46.00        | 12.63       | AV       | N    | Pass    |
| 4   | 4.050           | 47.02          | 10.34       | 56.00        | 8.98        | Peak     | N    | Pass    |
| 4** | 4.050           | 33.34          | 10.34       | 46.00        | 12.66       | AV       | N    | Pass    |
| 5   | 17.494          | 40.95          | 10.82       | 60.00        | 19.05       | Peak     | N    | Pass    |
| 5** | 17.494          | 26.06          | 10.82       | 50.00        | 23.94       | AV       | N    | Pass    |
| 6   | 26.158          | 40.03          | 11.01       | 60.00        | 19.97       | Peak     | N    | Pass    |
| 6** | 26.158          | 26.36          | 11.01       | 50.00        | 23.64       | 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.

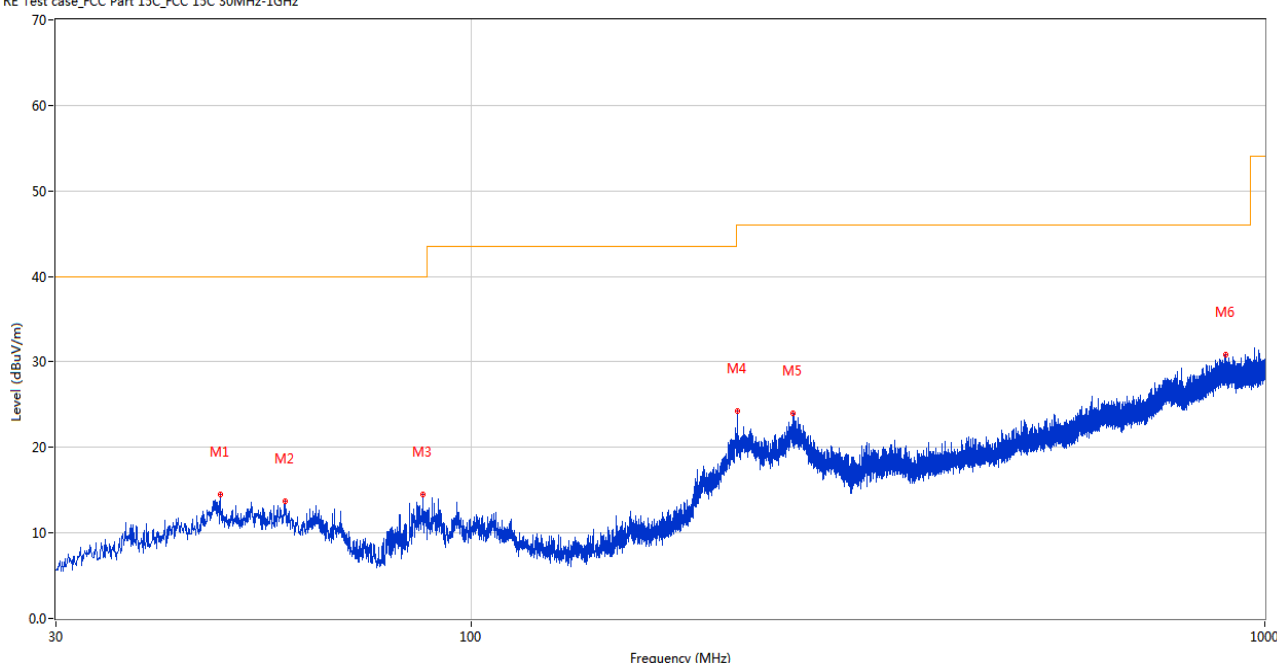
Note <sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

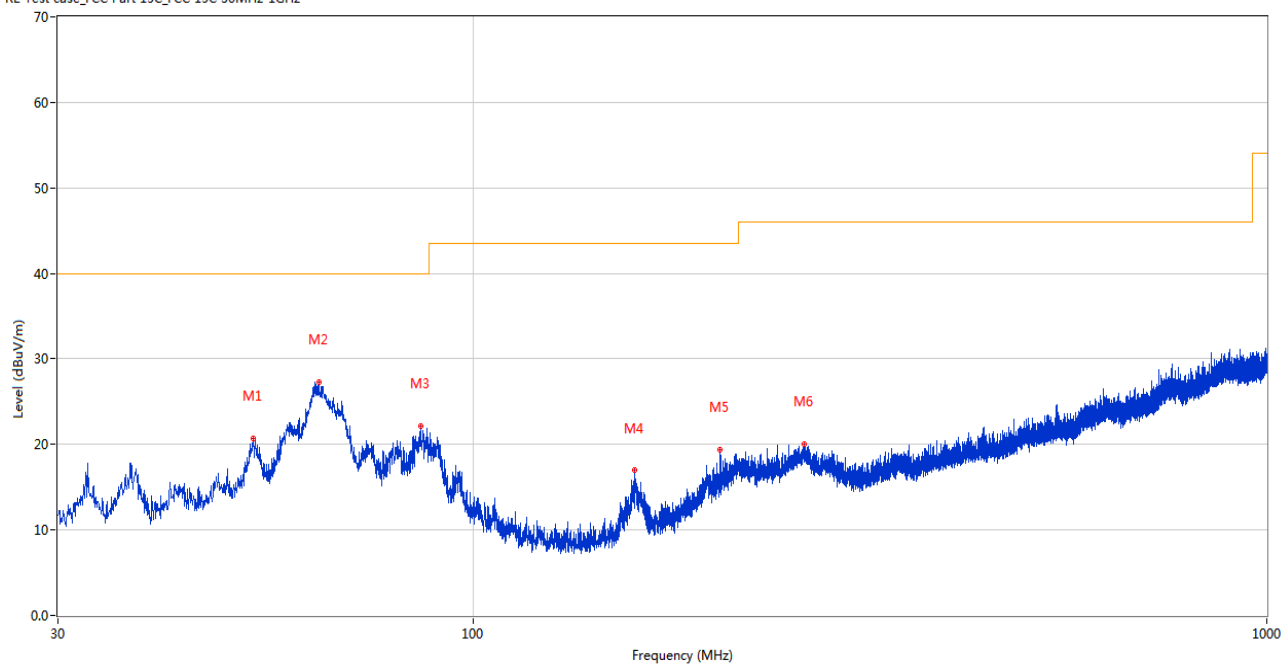
RE Test case\_FCC Part 15C\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 48.285          | 14.48            | -23.23      | 40.0           | 25.52       | Peak     | 358.00         | 100         | Horizontal | Pass    |
| 2   | 58.276          | 13.75            | -23.80      | 40.0           | 26.25       | Peak     | 266.40         | 200         | Horizontal | Pass    |
| 3   | 86.988          | 14.51            | -28.29      | 40.0           | 25.49       | Peak     | 139.40         | 200         | Horizontal | Pass    |
| 4   | 216.676         | 24.22            | -23.98      | 46.0           | 21.78       | Peak     | 266.30         | 100         | Horizontal | Pass    |
| 5   | 254.798         | 24.05            | -22.05      | 46.0           | 21.95       | Peak     | 256.10         | 100         | Horizontal | Pass    |
| 6   | 892.378         | 30.88            | -7.81       | 46.0           | 15.12       | Peak     | 0.40           | 200         | 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   | 52.892          | 20.74            | -23.29      | 40.0           | 19.26       | Peak     | 278.80         | 100         | Vertical | Pass    |
| 2   | 63.901          | 27.28            | -25.19      | 40.0           | 12.72       | Peak     | 211.00         | 100         | Vertical | Pass    |
| 3   | 86.018          | 22.12            | -28.72      | 40.0           | 17.88       | Peak     | 242.10         | 100         | Vertical | Pass    |
| 4   | 159.883         | 16.94            | -27.53      | 43.5           | 26.56       | Peak     | 307.60         | 100         | Vertical | Pass    |
| 5   | 204.940         | 19.37            | -24.53      | 43.5           | 24.13       | Peak     | 359.20         | 100         | Vertical | Pass    |
| 6   | 261.248         | 20.06            | -22.04      | 46.0           | 25.94       | Peak     | 350.10         | 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   | 1480.000        | 39.40            | -17.17      | 74.0           | 34.60       | Peak     | 244.00         | 400         | Horizontal | Pass    |
| 1** | 1480.000        | 30.06            | -17.17      | 54.0           | 23.94       | AV       | 244.00         | 400         | Horizontal | Pass    |
| 2   | 4378.800        | 50.22            | -3.38       | 74.0           | 23.78       | Peak     | 248.00         | 400         | Horizontal | Pass    |
| 2** | 4378.800        | 41.37            | -3.38       | 54.0           | 12.63       | AV       | 248.00         | 400         | Horizontal | Pass    |
| 3   | 5181.000        | 104.11           | -2.67       | --             | --          | Peak     | 145.00         | 150         | Horizontal | N/A     |
| 3** | 5181.000        | 96.16            | -2.67       | --             | --          | AV       | 145.00         | 150         | Horizontal | N/A     |
| 4   | 7341.263        | 49.52            | -3.09       | 74.0           | 24.48       | Peak     | 137.00         | 100         | Horizontal | Pass    |
| 4** | 7341.263        | 40.84            | -3.09       | 54.0           | 13.16       | AV       | 137.00         | 100         | Horizontal | Pass    |
| 5   | 12482.338       | 53.44            | 1.63        | 74.0           | 20.56       | Peak     | 349.00         | 150         | Horizontal | Pass    |
| 5** | 12482.338       | 42.98            | 1.63        | 54.0           | 11.02       | AV       | 349.00         | 150         | Horizontal | Pass    |
| 6   | 15849.600       | 55.95            | 1.33        | 74.0           | 18.05       | Peak     | 140.00         | 400         | Horizontal | Pass    |
| 6** | 15849.600       | 46.14            | 1.33        | 54.0           | 7.86        | AV       | 140.00         | 400         | 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   | 1514.600        | 38.95            | -17.21      | 74.0           | 35.05       | Peak     | 63.00          | 100         | Vertical | Pass    |
| 1** | 1514.600        | 29.27            | -17.21      | 54.0           | 24.73       | AV       | 63.00          | 100         | Vertical | Pass    |
| 2   | 4373.800        | 50.06            | -3.88       | 74.0           | 23.94       | Peak     | 173.00         | 100         | Vertical | Pass    |
| 2** | 4373.800        | 40.99            | -3.88       | 54.0           | 13.01       | AV       | 173.00         | 100         | Vertical | Pass    |
| 3   | 5179.000        | 95.33            | -2.54       | --             | --          | Peak     | 294.00         | 200         | Vertical | N/A     |
| 3** | 5179.000        | 87.32            | -2.54       | --             | --          | AV       | 294.00         | 200         | Vertical | N/A     |
| 4   | 7679.363        | 49.42            | -2.43       | 74.0           | 24.58       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 4** | 7679.363        | 40.02            | -2.43       | 54.0           | 13.98       | AV       | 360.00         | 200         | Vertical | Pass    |
| 5   | 12276.775       | 53.20            | 1.68        | 74.0           | 20.80       | Peak     | 226.00         | 150         | Vertical | Pass    |
| 5** | 12276.775       | 43.75            | 1.68        | 54.0           | 10.25       | AV       | 226.00         | 150         | Vertical | Pass    |
| 6   | 15845.401       | 56.15            | 1.37        | 74.0           | 17.85       | Peak     | 221.00         | 300         | Vertical | Pass    |
| 6** | 15845.401       | 46.62            | 1.37        | 54.0           | 7.38        | AV       | 221.00         | 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   | 1502.200        | 39.39            | -17.02      | 74.0           | 34.61       | Peak     | 175.00         | 300         | Horizontal | Pass    |
| 1** | 1502.200        | 29.16            | -17.02      | 54.0           | 24.84       | AV       | 175.00         | 300         | Horizontal | Pass    |
| 2   | 4391.800        | 50.38            | -3.48       | 74.0           | 23.62       | Peak     | 161.00         | 200         | Horizontal | Pass    |
| 2** | 4391.800        | 40.29            | -3.48       | 54.0           | 13.71       | AV       | 161.00         | 200         | Horizontal | Pass    |
| 3   | 5221.400        | 104.99           | -2.68       | --             | --          | Peak     | 139.00         | 200         | Horizontal | N/A     |
| 3** | 5221.400        | 98.59            | -2.68       | --             | --          | AV       | 139.00         | 200         | Horizontal | N/A     |
| 4   | 7340.112        | 49.85            | -2.98       | 74.0           | 24.15       | Peak     | 124.00         | 300         | Horizontal | Pass    |
| 4** | 7340.112        | 41.44            | -2.98       | 54.0           | 12.56       | AV       | 124.00         | 300         | Horizontal | Pass    |
| 5   | 12382.576       | 53.81            | 1.49        | 74.0           | 20.19       | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 5** | 12382.576       | 43.92            | 1.49        | 54.0           | 10.08       | AV       | 252.00         | 150         | Horizontal | Pass    |
| 6   | 15844.612       | 56.15            | 1.37        | 74.0           | 17.85       | Peak     | 12.00          | 300         | Horizontal | Pass    |
| 6** | 15844.612       | 46.19            | 1.37        | 54.0           | 7.81        | AV       | 12.00          | 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   | 1458.200        | 39.16            | -16.96      | 74.0           | 34.84       | Peak     | 36.00          | 100         | Vertical | Pass    |
| 1** | 1458.200        | 29.57            | -16.96      | 54.0           | 24.43       | AV       | 36.00          | 100         | Vertical | Pass    |
| 2   | 4258.000        | 51.03            | -4.45       | 74.0           | 22.97       | Peak     | 79.00          | 100         | Vertical | Pass    |
| 2** | 4258.000        | 40.29            | -4.45       | 54.0           | 13.71       | AV       | 79.00          | 100         | Vertical | Pass    |
| 3   | 5222.600        | 95.29            | -2.70       | --             | --          | Peak     | 141.00         | 100         | Vertical | N/A     |
| 3** | 5222.600        | 88.73            | -2.70       | --             | --          | AV       | 141.00         | 100         | Vertical | N/A     |
| 4   | 7379.788        | 50.05            | -3.47       | 74.0           | 23.95       | Peak     | 68.00          | 100         | Vertical | Pass    |
| 4** | 7379.788        | 40.24            | -3.47       | 54.0           | 13.76       | AV       | 68.00          | 100         | Vertical | Pass    |
| 5   | 11502.250       | 53.47            | -0.01       | 74.0           | 20.53       | Peak     | 199.00         | 100         | Vertical | Pass    |
| 5** | 11502.250       | 43.05            | -0.01       | 54.0           | 10.95       | AV       | 199.00         | 100         | Vertical | Pass    |
| 6   | 15351.113       | 55.97            | 0.69        | 74.0           | 18.03       | Peak     | 31.00          | 100         | Vertical | Pass    |
| 6** | 15351.113       | 45.06            | 0.69        | 54.0           | 8.94        | AV       | 31.00          | 100         | 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   | 1460.200        | 39.53            | -17.09      | 74.0           | 34.47       | Peak     | 56.00          | 200         | Horizontal | Pass    |
| 1** | 1460.200        | 29.48            | -17.09      | 54.0           | 24.52       | AV       | 56.00          | 200         | Horizontal | Pass    |
| 2   | 4388.800        | 49.94            | -3.38       | 74.0           | 24.06       | Peak     | 326.00         | 300         | Horizontal | Pass    |
| 2** | 4388.800        | 40.59            | -3.38       | 54.0           | 13.41       | AV       | 326.00         | 300         | Horizontal | Pass    |
| 3   | 5238.600        | 105.55           | -2.59       | --             | --          | Peak     | 139.00         | 100         | Horizontal | N/A     |
| 3** | 5238.600        | 97.86            | -2.59       | --             | --          | AV       | 139.00         | 100         | Horizontal | N/A     |
| 4   | 7625.600        | 49.90            | -2.82       | 74.0           | 24.10       | Peak     | 132.00         | 300         | Horizontal | Pass    |
| 4** | 7625.600        | 40.58            | -2.82       | 54.0           | 13.42       | AV       | 132.00         | 300         | Horizontal | Pass    |
| 5   | 12514.825       | 53.92            | 1.53        | 74.0           | 20.08       | Peak     | 71.00          | 150         | Horizontal | Pass    |
| 5** | 12514.825       | 43.78            | 1.53        | 54.0           | 10.22       | AV       | 71.00          | 150         | Horizontal | Pass    |
| 6   | 16076.401       | 56.47            | 1.57        | 74.0           | 17.53       | Peak     | 164.00         | 400         | Horizontal | Pass    |
| 6** | 16076.401       | 46.72            | 1.57        | 54.0           | 7.28        | AV       | 164.00         | 400         | 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   | 1493.500        | 39.55            | -16.88      | 74.0           | 34.45       | Peak     | 109.00         | 300         | Vertical | Pass    |
| 1** | 1493.500        | 30.08            | -16.88      | 54.0           | 23.92       | AV       | 109.00         | 300         | Vertical | Pass    |
| 2   | 4376.200        | 49.44            | -3.98       | 74.0           | 24.56       | Peak     | 82.00          | 100         | Vertical | Pass    |
| 2** | 4376.200        | 40.53            | -3.98       | 54.0           | 13.47       | AV       | 82.00          | 100         | Vertical | Pass    |
| 3   | 5238.800        | 95.22            | -2.61       | --             | --          | Peak     | 138.00         | 100         | Vertical | N/A     |
| 3** | 5238.800        | 87.80            | -2.61       | --             | --          | AV       | 138.00         | 100         | Vertical | N/A     |
| 4   | 7338.675        | 49.96            | -2.91       | 74.0           | 24.04       | Peak     | 19.00          | 200         | Vertical | Pass    |
| 4** | 7338.675        | 41.02            | -2.91       | 54.0           | 12.98       | AV       | 19.00          | 200         | Vertical | Pass    |
| 5   | 12333.987       | 53.26            | 1.36        | 74.0           | 20.74       | Peak     | 104.00         | 150         | Vertical | Pass    |
| 5** | 12333.987       | 43.22            | 1.36        | 54.0           | 10.78       | AV       | 104.00         | 150         | Vertical | Pass    |
| 6   | 16082.700       | 55.56            | 1.58        | 74.0           | 18.44       | Peak     | 293.00         | 200         | Vertical | Pass    |
| 6** | 16082.700       | 47.06            | 1.58        | 54.0           | 6.94        | AV       | 293.00         | 200         | 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   | 1331.800        | 41.57            | -17.07      | 74.0           | 32.43       | Peak     | 127.00         | 300         | Horizontal | Pass    |
| 1** | 1331.800        | 35.64            | -17.07      | 54.0           | 18.36       | AV       | 127.00         | 300         | Horizontal | Pass    |
| 2   | 3769.800        | 49.36            | -5.00       | 74.0           | 24.64       | Peak     | 59.00          | 150         | Horizontal | Pass    |
| 2** | 3769.800        | 39.70            | -5.00       | 54.0           | 14.30       | AV       | 59.00          | 150         | Horizontal | Pass    |
| 3   | 4883.800        | 53.10            | -2.57       | 74.0           | 20.90       | Peak     | 25.00          | 150         | Horizontal | Pass    |
| 3** | 4883.800        | 42.76            | -2.57       | 54.0           | 11.24       | AV       | 25.00          | 150         | Horizontal | Pass    |
| 4   | 5179.200        | 103.80           | -2.56       | --             | --          | Peak     | 146.00         | 300         | Horizontal | N/A     |
| 4** | 5179.200        | 96.71            | -2.56       | --             | --          | AV       | 146.00         | 300         | Horizontal | N/A     |
| 5   | 12231.063       | 53.34            | 1.27        | 74.0           | 20.66       | Peak     | 188.00         | 300         | Horizontal | Pass    |
| 5** | 12231.063       | 44.43            | 1.27        | 54.0           | 9.57        | AV       | 188.00         | 300         | Horizontal | Pass    |
| 6   | 15522.000       | 56.33            | 1.38        | 74.0           | 17.67       | Peak     | 143.00         | 100         | Horizontal | Pass    |
| 6** | 15522.000       | 45.97            | 1.38        | 54.0           | 8.03        | AV       | 143.00         | 100         | 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   | 1506.100        | 39.33            | -16.83      | 74.0           | 34.67       | Peak     | 188.00         | 100         | Vertical | Pass    |
| 1** | 1506.100        | 29.97            | -16.83      | 54.0           | 24.03       | AV       | 188.00         | 100         | Vertical | Pass    |
| 2   | 4387.600        | 49.71            | -3.37       | 74.0           | 24.29       | Peak     | 176.00         | 400         | Vertical | Pass    |
| 2** | 4387.600        | 41.38            | -3.37       | 54.0           | 12.62       | AV       | 176.00         | 400         | Vertical | Pass    |
| 3   | 5181.400        | 94.44            | -2.65       | --             | --          | Peak     | 299.00         | 150         | Vertical | N/A     |
| 3** | 5181.400        | 86.90            | -2.65       | --             | --          | AV       | 299.00         | 150         | Vertical | N/A     |
| 4   | 7336.375        | 49.66            | -3.12       | 74.0           | 24.34       | Peak     | 244.00         | 100         | Vertical | Pass    |
| 4** | 7336.375        | 40.62            | -3.12       | 54.0           | 13.38       | AV       | 244.00         | 100         | Vertical | Pass    |
| 5   | 12407.012       | 53.14            | 1.46        | 74.0           | 20.86       | Peak     | 87.00          | 100         | Vertical | Pass    |
| 5** | 12407.012       | 44.03            | 1.46        | 54.0           | 9.97        | AV       | 87.00          | 100         | Vertical | Pass    |
| 6   | 15775.050       | 55.89            | 1.27        | 74.0           | 18.11       | Peak     | 274.00         | 100         | Vertical | Pass    |
| 6** | 15775.050       | 46.32            | 1.27        | 54.0           | 7.68        | AV       | 274.00         | 100         | 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   | 1506.800        | 38.96            | -16.82      | 74.0           | 35.04       | Peak     | 207.00         | 200         | Horizontal | Pass    |
| 1** | 1506.800        | 29.36            | -16.82      | 54.0           | 24.64       | AV       | 207.00         | 200         | Horizontal | Pass    |
| 2   | 4396.400        | 50.84            | -3.99       | 74.0           | 23.16       | Peak     | 114.00         | 100         | Horizontal | Pass    |
| 2** | 4396.400        | 39.95            | -3.99       | 54.0           | 14.05       | AV       | 114.00         | 100         | Horizontal | Pass    |
| 3   | 5222.400        | 104.45           | -2.70       | --             | --          | Peak     | 145.00         | 150         | Horizontal | N/A     |
| 3** | 5222.400        | 96.69            | -2.70       | --             | --          | AV       | 145.00         | 150         | Horizontal | N/A     |
| 4   | 7329.475        | 50.00            | -3.53       | 74.0           | 24.00       | Peak     | 298.00         | 200         | Horizontal | Pass    |
| 4** | 7329.475        | 41.08            | -3.53       | 54.0           | 12.92       | AV       | 298.00         | 200         | Horizontal | Pass    |
| 5   | 12287.412       | 53.48            | 1.72        | 74.0           | 20.52       | Peak     | 82.00          | 200         | Horizontal | Pass    |
| 5** | 12287.412       | 43.84            | 1.72        | 54.0           | 10.16       | AV       | 82.00          | 200         | Horizontal | Pass    |
| 6   | 15497.062       | 56.32            | 1.09        | 74.0           | 17.68       | Peak     | 251.00         | 300         | Horizontal | Pass    |
| 6** | 15497.062       | 46.78            | 1.09        | 54.0           | 7.22        | AV       | 251.00         | 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   | 1596.500        | 39.98            | -17.10      | 74.0           | 34.02       | Peak     | 312.00         | 300         | Vertical | Pass    |
| 1** | 1596.500        | 30.15            | -17.10      | 54.0           | 23.85       | AV       | 312.00         | 300         | Vertical | Pass    |
| 2   | 4210.000        | 50.95            | -4.45       | 74.0           | 23.05       | Peak     | 193.00         | 300         | Vertical | Pass    |
| 2** | 4210.000        | 40.58            | -4.45       | 54.0           | 13.42       | AV       | 193.00         | 300         | Vertical | Pass    |
| 3   | 5221.400        | 94.61            | -2.68       | --             | --          | Peak     | 146.00         | 100         | Vertical | N/A     |
| 3** | 5221.400        | 87.96            | -2.68       | --             | --          | AV       | 146.00         | 100         | Vertical | N/A     |
| 4   | 7340.400        | 49.94            | -3.01       | 74.0           | 24.06       | Peak     | 359.00         | 400         | Vertical | Pass    |
| 4** | 7340.400        | 41.10            | -3.01       | 54.0           | 12.90       | AV       | 359.00         | 400         | Vertical | Pass    |
| 5   | 12321.625       | 53.71            | 1.42        | 74.0           | 20.29       | Peak     | 254.00         | 200         | Vertical | Pass    |
| 5** | 12321.625       | 44.04            | 1.42        | 54.0           | 9.96        | AV       | 254.00         | 200         | Vertical | Pass    |
| 6   | 16126.800       | 56.15            | 0.88        | 74.0           | 17.85       | Peak     | 242.00         | 200         | Vertical | Pass    |
| 6** | 16126.800       | 46.12            | 0.88        | 54.0           | 7.88        | AV       | 242.00         | 200         | 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   | 1568.100        | 39.41            | -17.16      | 74.0           | 34.59       | Peak     | 339.00         | 100         | Horizontal | Pass    |
| 1** | 1568.100        | 29.42            | -17.16      | 54.0           | 24.58       | AV       | 339.00         | 100         | Horizontal | Pass    |
| 2   | 4359.400        | 49.96            | -4.09       | 74.0           | 24.04       | Peak     | 351.00         | 200         | Horizontal | Pass    |
| 2** | 4359.400        | 41.57            | -4.09       | 54.0           | 12.43       | AV       | 351.00         | 200         | Horizontal | Pass    |
| 3   | 5237.200        | 105.10           | -2.53       | --             | --          | Peak     | 130.00         | 100         | Horizontal | N/A     |
| 3** | 5237.200        | 97.40            | -2.53       | --             | --          | AV       | 130.00         | 100         | Horizontal | N/A     |
| 4   | 7681.950        | 50.06            | -2.69       | 74.0           | 23.94       | Peak     | 267.00         | 300         | Horizontal | Pass    |
| 4** | 7681.950        | 39.67            | -2.69       | 54.0           | 14.33       | AV       | 267.00         | 300         | Horizontal | Pass    |
| 5   | 12061.438       | 52.99            | 0.92        | 74.0           | 21.01       | Peak     | 355.00         | 200         | Horizontal | Pass    |
| 5** | 12061.438       | 43.14            | 0.92        | 54.0           | 10.86       | AV       | 355.00         | 200         | Horizontal | Pass    |
| 6   | 15639.075       | 55.91            | 1.39        | 74.0           | 18.09       | Peak     | 171.00         | 100         | Horizontal | Pass    |
| 6** | 15639.075       | 46.21            | 1.39        | 54.0           | 7.79        | AV       | 171.00         | 100         | 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   | 1515.200        | 38.77            | -17.20      | 74.0           | 35.23       | Peak     | 66.00          | 200         | Vertical | Pass    |
| 1** | 1515.200        | 29.69            | -17.20      | 54.0           | 24.31       | AV       | 66.00          | 200         | Vertical | Pass    |
| 2   | 4358.800        | 50.56            | -4.13       | 74.0           | 23.44       | Peak     | 1.00           | 100         | Vertical | Pass    |
| 2** | 4358.800        | 40.40            | -4.13       | 54.0           | 13.60       | AV       | 1.00           | 100         | Vertical | Pass    |
| 3   | 5237.600        | 94.78            | -2.54       | --             | --          | Peak     | 195.00         | 100         | Vertical | N/A     |
| 3** | 5237.600        | 86.97            | -2.54       | --             | --          | AV       | 195.00         | 100         | Vertical | N/A     |
| 4   | 7263.925        | 49.94            | -3.22       | 74.0           | 24.06       | Peak     | 141.00         | 300         | Vertical | Pass    |
| 4** | 7263.925        | 39.06            | -3.22       | 54.0           | 14.94       | AV       | 141.00         | 300         | Vertical | Pass    |
| 5   | 11953.050       | 53.16            | 1.26        | 74.0           | 20.84       | Peak     | 269.00         | 200         | Vertical | Pass    |
| 5** | 11953.050       | 44.05            | 1.26        | 54.0           | 9.95        | AV       | 269.00         | 200         | Vertical | Pass    |
| 6   | 15870.599       | 55.48            | 0.59        | 74.0           | 18.52       | Peak     | 21.00          | 100         | Vertical | Pass    |
| 6** | 15870.599       | 45.84            | 0.59        | 54.0           | 8.16        | AV       | 21.00          | 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   | 1557.500        | 39.31            | -17.02      | 74.0           | 34.69       | Peak     | 205.00         | 300         | Horizontal | Pass    |
| 1** | 1557.500        | 29.58            | -17.02      | 54.0           | 24.42       | AV       | 205.00         | 300         | Horizontal | Pass    |
| 2   | 4377.600        | 50.34            | -3.51       | 74.0           | 23.66       | Peak     | 205.00         | 100         | Horizontal | Pass    |
| 2** | 4377.600        | 41.33            | -3.51       | 54.0           | 12.67       | AV       | 205.00         | 100         | Horizontal | Pass    |
| 3   | 5188.400        | 101.93           | -2.33       | --             | --          | Peak     | 135.00         | 200         | Horizontal | N/A     |
| 3** | 5188.400        | 94.24            | -2.33       | --             | --          | AV       | 135.00         | 200         | Horizontal | N/A     |
| 4   | 7594.838        | 49.43            | -3.15       | 74.0           | 24.57       | Peak     | 312.00         | 200         | Horizontal | Pass    |
| 4** | 7594.838        | 39.59            | -3.15       | 54.0           | 14.41       | AV       | 312.00         | 200         | Horizontal | Pass    |
| 5   | 12392.350       | 52.78            | 1.58        | 74.0           | 21.22       | Peak     | 139.00         | 200         | Horizontal | Pass    |
| 5** | 12392.350       | 44.39            | 1.58        | 54.0           | 9.61        | AV       | 139.00         | 200         | Horizontal | Pass    |
| 6   | 15828.862       | 56.04            | 1.53        | 74.0           | 17.96       | Peak     | 181.00         | 200         | Horizontal | Pass    |
| 6** | 15828.862       | 46.36            | 1.53        | 54.0           | 7.64        | AV       | 181.00         | 200         | 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   | 1499.900        | 40.04            | -16.96      | 74.0           | 33.96       | Peak     | 107.00         | 300         | Vertical | Pass    |
| 1** | 1499.900        | 33.15            | -16.96      | 54.0           | 20.85       | AV       | 107.00         | 300         | Vertical | Pass    |
| 2   | 4365.000        | 50.07            | -3.92       | 74.0           | 23.93       | Peak     | 185.00         | 300         | Vertical | Pass    |
| 2** | 4365.000        | 40.77            | -3.92       | 54.0           | 13.23       | AV       | 185.00         | 300         | Vertical | Pass    |
| 3   | 5186.600        | 91.48            | -2.39       | --             | --          | Peak     | 185.00         | 150         | Vertical | N/A     |
| 3** | 5186.600        | 83.65            | -2.39       | --             | --          | AV       | 185.00         | 150         | Vertical | N/A     |
| 4   | 7673.900        | 49.76            | -2.34       | 74.0           | 24.24       | Peak     | 208.00         | 400         | Vertical | Pass    |
| 4** | 7673.900        | 40.90            | -2.34       | 54.0           | 13.10       | AV       | 208.00         | 400         | Vertical | Pass    |
| 5   | 12269.875       | 53.39            | 1.45        | 74.0           | 20.61       | Peak     | 208.00         | 150         | Vertical | Pass    |
| 5** | 12269.875       | 43.92            | 1.45        | 54.0           | 10.08       | AV       | 208.00         | 150         | Vertical | Pass    |
| 6   | 15839.362       | 56.00            | 1.45        | 74.0           | 18.00       | Peak     | 80.00          | 100         | Vertical | Pass    |
| 6** | 15839.362       | 46.58            | 1.45        | 54.0           | 7.42        | AV       | 80.00          | 100         | 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   | 1494.600        | 38.69            | -16.87      | 74.0           | 35.31       | Peak     | 55.00          | 200         | Horizontal | Pass    |
| 1** | 1494.600        | 29.70            | -16.87      | 54.0           | 24.30       | AV       | 55.00          | 200         | Horizontal | Pass    |
| 2   | 4378.000        | 50.04            | -3.46       | 74.0           | 23.96       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 2** | 4378.000        | 41.74            | -3.46       | 54.0           | 12.26       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 3   | 5228.200        | 102.73           | -2.75       | --             | --          | Peak     | 145.00         | 100         | Horizontal | N/A     |
| 3** | 5228.200        | 94.60            | -2.75       | --             | --          | AV       | 145.00         | 100         | Horizontal | N/A     |
| 4   | 7533.600        | 49.56            | -2.87       | 74.0           | 24.44       | Peak     | 359.00         | 300         | Horizontal | Pass    |
| 4** | 7533.600        | 40.26            | -2.87       | 54.0           | 13.74       | AV       | 359.00         | 300         | Horizontal | Pass    |
| 5   | 12417.937       | 53.61            | 1.40        | 74.0           | 20.39       | Peak     | 342.00         | 200         | Horizontal | Pass    |
| 5** | 12417.937       | 43.43            | 1.40        | 54.0           | 10.57       | AV       | 342.00         | 200         | Horizontal | Pass    |
| 6   | 15612.826       | 55.80            | 1.39        | 74.0           | 18.20       | Peak     | 344.00         | 100         | Horizontal | Pass    |
| 6** | 15612.826       | 46.38            | 1.39        | 54.0           | 7.62        | AV       | 344.00         | 100         | 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   | 1329.600        | 47.15            | -17.03      | 74.0           | 26.85       | Peak     | 40.00          | 100         | Vertical | Pass    |
| 1** | 1329.600        | 36.43            | -17.03      | 54.0           | 17.57       | AV       | 40.00          | 100         | Vertical | Pass    |
| 2   | 3703.800        | 49.33            | -5.14       | 74.0           | 24.67       | Peak     | 21.00          | 150         | Vertical | Pass    |
| 2** | 3703.800        | 38.94            | -5.14       | 54.0           | 15.06       | AV       | 21.00          | 150         | Vertical | Pass    |
| 3   | 4984.600        | 52.57            | -1.88       | 74.0           | 21.43       | Peak     | 262.00         | 100         | Vertical | Pass    |
| 3** | 4984.600        | 43.75            | -1.88       | 54.0           | 10.25       | AV       | 262.00         | 100         | Vertical | Pass    |
| 4   | 5234.600        | 92.60            | -2.74       | --             | --          | Peak     | 142.00         | 100         | Vertical | N/A     |
| 4** | 5234.600        | 84.17            | -2.74       | --             | --          | AV       | 142.00         | 100         | Vertical | N/A     |
| 5   | 11958.513       | 52.01            | 0.99        | 74.0           | 21.99       | Peak     | 135.00         | 150         | Vertical | Pass    |
| 5** | 11958.513       | 43.01            | 0.99        | 54.0           | 10.99       | AV       | 135.00         | 150         | Vertical | Pass    |
| 6   | 16068.263       | 55.62            | 1.27        | 74.0           | 18.38       | Peak     | 62.00          | 150         | Vertical | Pass    |
| 6** | 16068.263       | 46.03            | 1.27        | 54.0           | 7.97        | AV       | 62.00          | 150         | 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   | 1569.400        | 39.18            | -17.11      | 74.0           | 34.82       | Peak     | 74.00          | 200         | Horizontal | Pass    |
| 1** | 1569.400        | 30.23            | -17.11      | 54.0           | 23.77       | AV       | 74.00          | 200         | Horizontal | Pass    |
| 2   | 4378.200        | 50.29            | -3.44       | 74.0           | 23.71       | Peak     | 126.00         | 400         | Horizontal | Pass    |
| 2** | 4378.200        | 41.96            | -3.44       | 54.0           | 12.04       | AV       | 126.00         | 400         | Horizontal | Pass    |
| 3   | 5178.800        | 104.02           | -2.53       | --             | --          | Peak     | 148.00         | 150         | Horizontal | N/A     |
| 3** | 5178.800        | 97.44            | -2.53       | --             | --          | AV       | 148.00         | 150         | Horizontal | N/A     |
| 4   | 7341.550        | 49.72            | -3.12       | 74.0           | 24.28       | Peak     | 221.00         | 200         | Horizontal | Pass    |
| 4** | 7341.550        | 40.89            | -3.12       | 54.0           | 13.11       | AV       | 221.00         | 200         | Horizontal | Pass    |
| 5   | 12316.162       | 53.17            | 1.41        | 74.0           | 20.83       | Peak     | 186.00         | 100         | Horizontal | Pass    |
| 5** | 12316.162       | 43.37            | 1.41        | 54.0           | 10.63       | AV       | 186.00         | 100         | Horizontal | Pass    |
| 6   | 16199.775       | 56.62            | 1.58        | 74.0           | 17.38       | Peak     | 89.00          | 400         | Horizontal | Pass    |
| 6** | 16199.775       | 46.43            | 1.58        | 54.0           | 7.57        | AV       | 89.00          | 400         | 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   | 1621.400        | 39.47            | -16.90      | 74.0           | 34.53       | Peak     | 63.00          | 200         | Vertical | Pass    |
| 1** | 1621.400        | 29.54            | -16.90      | 54.0           | 24.46       | AV       | 63.00          | 200         | Vertical | Pass    |
| 2   | 4377.800        | 51.57            | -3.48       | 74.0           | 22.43       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 2** | 4377.800        | 43.04            | -3.48       | 54.0           | 10.96       | AV       | 0.00           | 400         | Vertical | Pass    |
| 3   | 5182.800        | 94.05            | -2.55       | --             | --          | Peak     | 293.00         | 150         | Vertical | N/A     |
| 3** | 5182.800        | 85.98            | -2.55       | --             | --          | AV       | 293.00         | 150         | Vertical | N/A     |
| 4   | 7335.800        | 49.87            | -3.23       | 74.0           | 24.13       | Peak     | 48.00          | 300         | Vertical | Pass    |
| 4** | 7335.800        | 40.30            | -3.23       | 54.0           | 13.70       | AV       | 48.00          | 300         | Vertical | Pass    |
| 5   | 12310.412       | 53.32            | 1.37        | 74.0           | 20.68       | Peak     | 286.00         | 150         | Vertical | Pass    |
| 5** | 12310.412       | 44.15            | 1.37        | 54.0           | 9.85        | AV       | 286.00         | 150         | Vertical | Pass    |
| 6   | 15798.412       | 56.01            | 2.28        | 74.0           | 17.99       | Peak     | 323.00         | 400         | Vertical | Pass    |
| 6** | 15798.412       | 46.88            | 2.28        | 54.0           | 7.12        | AV       | 323.00         | 400         | 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   | 1586.700        | 39.40            | -16.93      | 74.0           | 34.60       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1586.700        | 30.02            | -16.93      | 54.0           | 23.98       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 4378.800        | 50.23            | -3.38       | 74.0           | 23.77       | Peak     | 351.00         | 200         | Horizontal | Pass    |
| 2** | 4378.800        | 41.35            | -3.38       | 54.0           | 12.65       | AV       | 351.00         | 200         | Horizontal | Pass    |
| 3   | 5221.800        | 105.16           | -2.69       | --             | --          | Peak     | 143.00         | 100         | Horizontal | N/A     |
| 3** | 5221.800        | 97.83            | -2.69       | --             | --          | AV       | 143.00         | 100         | Horizontal | N/A     |
| 4   | 7365.125        | 49.70            | -3.36       | 74.0           | 24.30       | Peak     | 71.00          | 400         | Horizontal | Pass    |
| 4** | 7365.125        | 41.34            | -3.36       | 54.0           | 12.66       | AV       | 71.00          | 400         | Horizontal | Pass    |
| 5   | 12327.663       | 52.90            | 1.42        | 74.0           | 21.10       | Peak     | 352.00         | 100         | Horizontal | Pass    |
| 5** | 12327.663       | 43.71            | 1.42        | 54.0           | 10.29       | AV       | 352.00         | 100         | Horizontal | Pass    |
| 6   | 15861.412       | 55.96            | 0.90        | 74.0           | 18.04       | Peak     | 301.00         | 100         | Horizontal | Pass    |
| 6** | 15861.412       | 46.13            | 0.90        | 54.0           | 7.87        | AV       | 301.00         | 100         | 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   | 1597.100        | 39.19            | -17.16      | 74.0           | 34.81       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 1** | 1597.100        | 29.82            | -17.16      | 54.0           | 24.18       | AV       | 360.00         | 400         | Vertical | Pass    |
| 2   | 4379.400        | 50.58            | -3.32       | 74.0           | 23.42       | Peak     | 341.00         | 200         | Vertical | Pass    |
| 2** | 4379.400        | 41.99            | -3.32       | 54.0           | 12.01       | AV       | 341.00         | 200         | Vertical | Pass    |
| 3   | 5222.200        | 94.60            | -2.70       | --             | --          | Peak     | 142.00         | 100         | Vertical | N/A     |
| 3** | 5222.200        | 87.78            | -2.70       | --             | --          | AV       | 142.00         | 100         | Vertical | N/A     |
| 4   | 7683.100        | 49.95            | -2.68       | 74.0           | 24.05       | Peak     | 240.00         | 200         | Vertical | Pass    |
| 4** | 7683.100        | 40.27            | -2.68       | 54.0           | 13.73       | AV       | 240.00         | 200         | Vertical | Pass    |
| 5   | 12268.438       | 53.59            | 1.40        | 74.0           | 20.41       | Peak     | 125.00         | 100         | Vertical | Pass    |
| 5** | 12268.438       | 43.96            | 1.40        | 54.0           | 10.04       | AV       | 125.00         | 100         | Vertical | Pass    |
| 6   | 15846.713       | 56.25            | 1.36        | 74.0           | 17.75       | Peak     | 172.00         | 200         | Vertical | Pass    |
| 6** | 15846.713       | 46.91            | 1.36        | 54.0           | 7.09        | AV       | 172.00         | 200         | 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   | 1544.900        | 38.92            | -17.23      | 74.0           | 35.08       | Peak     | 150.00         | 400         | Horizontal | Pass    |
| 1** | 1544.900        | 29.38            | -17.23      | 54.0           | 24.62       | AV       | 150.00         | 400         | Horizontal | Pass    |
| 2   | 4380.000        | 49.81            | -3.32       | 74.0           | 24.19       | Peak     | 20.00          | 400         | Horizontal | Pass    |
| 2** | 4380.000        | 41.81            | -3.32       | 54.0           | 12.19       | AV       | 20.00          | 400         | Horizontal | Pass    |
| 3   | 5238.600        | 105.43           | -2.59       | --             | --          | Peak     | 145.00         | 100         | Horizontal | N/A     |
| 3** | 5238.600        | 97.57            | -2.59       | --             | --          | AV       | 145.00         | 100         | Horizontal | N/A     |
| 4   | 7334.938        | 49.80            | -3.24       | 74.0           | 24.20       | Peak     | 240.00         | 400         | Horizontal | Pass    |
| 4** | 7334.938        | 40.64            | -3.24       | 54.0           | 13.36       | AV       | 240.00         | 400         | Horizontal | Pass    |
| 5   | 12226.175       | 54.21            | 1.31        | 74.0           | 19.79       | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 5** | 12226.175       | 43.59            | 1.31        | 54.0           | 10.41       | AV       | 135.00         | 150         | Horizontal | Pass    |
| 6   | 15849.338       | 55.43            | 1.34        | 74.0           | 18.57       | Peak     | 94.00          | 400         | Horizontal | Pass    |
| 6** | 15849.338       | 46.76            | 1.34        | 54.0           | 7.24        | AV       | 94.00          | 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   | 1521.000        | 39.66            | -17.30      | 74.0           | 34.34       | Peak     | 266.00         | 400         | Vertical | Pass    |
| 1** | 1521.000        | 29.14            | -17.30      | 54.0           | 24.86       | AV       | 266.00         | 400         | Vertical | Pass    |
| 2   | 4379.800        | 51.10            | -3.28       | 74.0           | 22.90       | Peak     | 317.00         | 300         | Vertical | Pass    |
| 2** | 4379.800        | 41.88            | -3.28       | 54.0           | 12.12       | AV       | 317.00         | 300         | Vertical | Pass    |
| 3   | 5242.000        | 94.97            | -2.48       | --             | --          | Peak     | 145.00         | 100         | Vertical | N/A     |
| 3** | 5242.000        | 87.04            | -2.48       | --             | --          | AV       | 145.00         | 100         | Vertical | N/A     |
| 4   | 7365.412        | 49.72            | -3.34       | 74.0           | 24.28       | Peak     | 19.00          | 100         | Vertical | Pass    |
| 4** | 7365.412        | 40.75            | -3.34       | 54.0           | 13.25       | AV       | 19.00          | 100         | Vertical | Pass    |
| 5   | 12488.088       | 53.17            | 1.66        | 74.0           | 20.83       | Peak     | 54.00          | 200         | Vertical | Pass    |
| 5** | 12488.088       | 43.16            | 1.66        | 54.0           | 10.84       | AV       | 54.00          | 200         | Vertical | Pass    |
| 6   | 15507.826       | 56.02            | 1.37        | 74.0           | 17.98       | Peak     | 322.00         | 400         | Vertical | Pass    |
| 6** | 15507.826       | 46.06            | 1.37        | 54.0           | 7.94        | AV       | 322.00         | 400         | 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   | 1458.600        | 38.67            | -16.98      | 74.0           | 35.33       | Peak     | 41.00          | 400         | Horizontal | Pass    |
| 1** | 1458.600        | 29.70            | -16.98      | 54.0           | 24.30       | AV       | 41.00          | 400         | Horizontal | Pass    |
| 2   | 4379.800        | 49.83            | -3.28       | 74.0           | 24.17       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 4379.800        | 41.84            | -3.28       | 54.0           | 12.16       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 5191.600        | 101.35           | -2.25       | --             | --          | Peak     | 137.00         | 100         | Horizontal | N/A     |
| 3** | 5191.600        | 94.19            | -2.25       | --             | --          | AV       | 137.00         | 100         | Horizontal | N/A     |
| 4   | 7627.325        | 50.47            | -2.75       | 74.0           | 23.53       | Peak     | 224.00         | 100         | Horizontal | Pass    |
| 4** | 7627.325        | 40.45            | -2.75       | 54.0           | 13.55       | AV       | 224.00         | 100         | Horizontal | Pass    |
| 5   | 12312.424       | 53.19            | 1.39        | 74.0           | 20.81       | Peak     | 172.00         | 200         | Horizontal | Pass    |
| 5** | 12312.424       | 44.05            | 1.39        | 54.0           | 9.95        | AV       | 172.00         | 200         | Horizontal | Pass    |
| 6   | 15508.875       | 56.37            | 1.40        | 74.0           | 17.63       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 15508.875       | 46.88            | 1.40        | 54.0           | 7.12        | AV       | 360.00         | 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   | 1485.100        | 39.09            | -16.72      | 74.0           | 34.91       | Peak     | 79.00          | 100         | Vertical | Pass    |
| 1** | 1485.100        | 29.47            | -16.72      | 54.0           | 24.53       | AV       | 79.00          | 100         | Vertical | Pass    |
| 2   | 4386.600        | 50.14            | -3.30       | 74.0           | 23.86       | Peak     | 210.00         | 300         | Vertical | Pass    |
| 2** | 4386.600        | 41.83            | -3.30       | 54.0           | 12.17       | AV       | 210.00         | 300         | Vertical | Pass    |
| 3   | 5187.800        | 91.74            | -2.36       | --             | --          | Peak     | 139.00         | 200         | Vertical | N/A     |
| 3** | 5187.800        | 84.05            | -2.36       | --             | --          | AV       | 139.00         | 200         | Vertical | N/A     |
| 4   | 7623.875        | 49.65            | -3.01       | 74.0           | 24.35       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7623.875        | 40.11            | -3.01       | 54.0           | 13.89       | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 12509.362       | 53.03            | 1.62        | 74.0           | 20.97       | Peak     | 270.00         | 200         | Vertical | Pass    |
| 5** | 12509.362       | 42.92            | 1.62        | 54.0           | 11.08       | AV       | 270.00         | 200         | Vertical | Pass    |
| 6   | 15680.026       | 56.41            | 1.58        | 74.0           | 17.59       | Peak     | 213.00         | 400         | Vertical | Pass    |
| 6** | 15680.026       | 46.47            | 1.58        | 54.0           | 7.53        | AV       | 213.00         | 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   | 1489.600        | 40.09            | -16.73      | 74.0           | 33.91       | Peak     | 351.00         | 400         | Horizontal | Pass    |
| 1** | 1489.600        | 29.94            | -16.73      | 54.0           | 24.06       | AV       | 351.00         | 400         | Horizontal | Pass    |
| 2   | 4380.400        | 50.30            | -3.39       | 74.0           | 23.70       | Peak     | 28.00          | 100         | Horizontal | Pass    |
| 2** | 4380.400        | 41.41            | -3.39       | 54.0           | 12.59       | AV       | 28.00          | 100         | Horizontal | Pass    |
| 3   | 5232.400        | 102.21           | -2.65       | --             | --          | Peak     | 141.00         | 100         | Horizontal | N/A     |
| 3** | 5232.400        | 94.28            | -2.65       | --             | --          | AV       | 141.00         | 100         | Horizontal | N/A     |
| 4   | 7635.375        | 50.34            | -3.01       | 74.0           | 23.66       | Peak     | 316.00         | 200         | Horizontal | Pass    |
| 4** | 7635.375        | 40.23            | -3.01       | 54.0           | 13.77       | AV       | 316.00         | 200         | Horizontal | Pass    |
| 5   | 12231.349       | 53.21            | 1.26        | 74.0           | 20.79       | Peak     | 351.00         | 150         | Horizontal | Pass    |
| 5** | 12231.349       | 43.90            | 1.26        | 54.0           | 10.10       | AV       | 351.00         | 150         | Horizontal | Pass    |
| 6   | 15793.950       | 56.00            | 2.13        | 74.0           | 18.00       | Peak     | 320.00         | 300         | Horizontal | Pass    |
| 6** | 15793.950       | 46.88            | 2.13        | 54.0           | 7.12        | AV       | 320.00         | 300         | 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   | 1499.900        | 39.23            | -16.96      | 74.0           | 34.77       | Peak     | 109.00         | 400         | Vertical | Pass    |
| 1** | 1499.900        | 30.17            | -16.96      | 54.0           | 23.83       | AV       | 109.00         | 400         | Vertical | Pass    |
| 2   | 4382.000        | 50.33            | -3.64       | 74.0           | 23.67       | Peak     | 204.00         | 100         | Vertical | Pass    |
| 2** | 4382.000        | 41.83            | -3.64       | 54.0           | 12.17       | AV       | 204.00         | 100         | Vertical | Pass    |
| 3   | 5225.600        | 92.60            | -2.56       | --             | --          | Peak     | 146.00         | 200         | Vertical | N/A     |
| 3** | 5225.600        | 84.97            | -2.56       | --             | --          | AV       | 146.00         | 200         | Vertical | N/A     |
| 4   | 7673.038        | 50.11            | -2.33       | 74.0           | 23.89       | Peak     | 191.00         | 400         | Vertical | Pass    |
| 4** | 7673.038        | 40.65            | -2.33       | 54.0           | 13.35       | AV       | 191.00         | 400         | Vertical | Pass    |
| 5   | 12277.063       | 53.27            | 1.69        | 74.0           | 20.73       | Peak     | 280.00         | 150         | Vertical | Pass    |
| 5** | 12277.063       | 44.43            | 1.69        | 54.0           | 9.57        | AV       | 280.00         | 150         | Vertical | Pass    |
| 6   | 16085.325       | 56.10            | 1.52        | 74.0           | 17.90       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 16085.325       | 46.04            | 1.52        | 54.0           | 7.96        | 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   | 1534.300        | 38.99            | -17.17      | 74.0           | 35.01       | Peak     | 286.00         | 300         | Horizontal | Pass    |
| 1** | 1534.300        | 29.56            | -17.17      | 54.0           | 24.44       | AV       | 286.00         | 300         | Horizontal | Pass    |
| 2   | 4380.400        | 50.20            | -3.39       | 74.0           | 23.80       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 2** | 4380.400        | 41.71            | -3.39       | 54.0           | 12.29       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 3   | 5216.800        | 99.19            | -2.67       | --             | --          | Peak     | 141.00         | 100         | Horizontal | N/A     |
| 3** | 5216.800        | 91.81            | -2.67       | --             | --          | AV       | 141.00         | 100         | Horizontal | N/A     |
| 4   | 7444.475        | 49.69            | -3.22       | 74.0           | 24.31       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 4** | 7444.475        | 40.60            | -3.22       | 54.0           | 13.40       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 5   | 12240.838       | 53.74            | 1.06        | 74.0           | 20.26       | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 5** | 12240.838       | 43.46            | 1.06        | 54.0           | 10.54       | AV       | 88.00          | 150         | Horizontal | Pass    |
| 6   | 16081.125       | 56.55            | 1.62        | 74.0           | 17.45       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 6** | 16081.125       | 46.34            | 1.62        | 54.0           | 7.66        | AV       | 0.00           | 100         | 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   | 1585.700        | 39.27            | -16.81      | 74.0           | 34.73       | Peak     | 66.00          | 300         | Vertical | Pass    |
| 1** | 1585.700        | 29.45            | -16.81      | 54.0           | 24.55       | AV       | 66.00          | 300         | Vertical | Pass    |
| 2   | 4371.200        | 49.93            | -4.26       | 74.0           | 24.07       | Peak     | 225.00         | 100         | Vertical | Pass    |
| 2** | 4371.200        | 40.57            | -4.26       | 54.0           | 13.43       | AV       | 225.00         | 100         | Vertical | Pass    |
| 3   | 5203.200        | 89.88            | -2.19       | --             | --          | Peak     | 248.00         | 100         | Vertical | N/A     |
| 3** | 5203.200        | 81.65            | -2.19       | --             | --          | AV       | 248.00         | 100         | Vertical | N/A     |
| 4   | 7401.350        | 49.65            | -3.96       | 74.0           | 24.35       | Peak     | 37.00          | 100         | Vertical | Pass    |
| 4** | 7401.350        | 40.03            | -3.96       | 54.0           | 13.97       | AV       | 37.00          | 100         | Vertical | Pass    |
| 5   | 12677.838       | 53.28            | 0.89        | 74.0           | 20.72       | Peak     | 303.00         | 150         | Vertical | Pass    |
| 5** | 12677.838       | 42.85            | 0.89        | 54.0           | 11.15       | AV       | 303.00         | 150         | Vertical | Pass    |
| 6   | 15522.787       | 56.08            | 1.39        | 74.0           | 17.92       | Peak     | 175.00         | 300         | Vertical | Pass    |
| 6** | 15522.787       | 45.78            | 1.39        | 54.0           | 8.22        | AV       | 175.00         | 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   | 1610.500        | 38.97            | -17.12      | 74.0           | 35.03       | Peak     | 16.00          | 300         | Horizontal | Pass    |
| 1** | 1610.500        | 29.35            | -17.12      | 54.0           | 24.65       | AV       | 16.00          | 300         | Horizontal | Pass    |
| 2   | 4377.800        | 50.02            | -3.48       | 74.0           | 23.98       | Peak     | 219.00         | 300         | Horizontal | Pass    |
| 2** | 4377.800        | 41.57            | -3.48       | 54.0           | 12.43       | AV       | 219.00         | 300         | Horizontal | Pass    |
| 3   | 5259.000        | 106.07           | -1.76       | --             | --          | Peak     | 135.00         | 200         | Horizontal | N/A     |
| 3** | 5259.000        | 98.88            | -1.76       | --             | --          | AV       | 135.00         | 200         | Horizontal | N/A     |
| 4   | 7341.837        | 50.78            | -3.15       | 74.0           | 23.22       | Peak     | 144.00         | 400         | Horizontal | Pass    |
| 4** | 7341.837        | 41.19            | -3.15       | 54.0           | 12.81       | AV       | 144.00         | 400         | Horizontal | Pass    |
| 5   | 12446.401       | 53.83            | 1.83        | 74.0           | 20.17       | Peak     | 63.00          | 100         | Horizontal | Pass    |
| 5** | 12446.401       | 44.11            | 1.83        | 54.0           | 9.89        | AV       | 63.00          | 100         | Horizontal | Pass    |
| 6   | 15786.863       | 55.59            | 1.88        | 74.0           | 18.41       | Peak     | 269.00         | 300         | Horizontal | Pass    |
| 6** | 15786.863       | 46.17            | 1.88        | 54.0           | 7.83        | AV       | 269.00         | 300         | 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   | 1500.000        | 40.39            | -16.94      | 74.0           | 33.61       | Peak     | 116.00         | 300         | Vertical | Pass    |
| 1** | 1500.000        | 29.58            | -16.94      | 54.0           | 24.42       | AV       | 116.00         | 300         | Vertical | Pass    |
| 2   | 4384.200        | 50.42            | -3.61       | 74.0           | 23.58       | Peak     | 322.00         | 200         | Vertical | Pass    |
| 2** | 4384.200        | 41.05            | -3.61       | 54.0           | 12.95       | AV       | 322.00         | 200         | Vertical | Pass    |
| 3   | 5262.200        | 97.00            | -2.22       | --             | --          | Peak     | 144.00         | 150         | Vertical | N/A     |
| 3** | 5262.200        | 88.86            | -2.22       | --             | --          | AV       | 144.00         | 150         | Vertical | N/A     |
| 4   | 7330.337        | 49.63            | -3.45       | 74.0           | 24.37       | Peak     | 79.00          | 400         | Vertical | Pass    |
| 4** | 7330.337        | 40.57            | -3.45       | 54.0           | 13.43       | AV       | 79.00          | 400         | Vertical | Pass    |
| 5   | 12287.700       | 52.88            | 1.72        | 74.0           | 21.12       | Peak     | 273.00         | 100         | Vertical | Pass    |
| 5** | 12287.700       | 44.21            | 1.72        | 54.0           | 9.79        | AV       | 273.00         | 100         | Vertical | Pass    |
| 6   | 15852.225       | 55.33            | 1.27        | 74.0           | 18.67       | Peak     | 270.00         | 300         | Vertical | Pass    |
| 6** | 15852.225       | 46.09            | 1.27        | 54.0           | 7.91        | AV       | 270.00         | 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   | 1538.100        | 38.72            | -17.09      | 74.0           | 35.28       | Peak     | 120.00         | 400         | Horizontal | Pass    |
| 1** | 1538.100        | 29.93            | -17.09      | 54.0           | 24.07       | AV       | 120.00         | 400         | Horizontal | Pass    |
| 2   | 4382.200        | 50.43            | -3.64       | 74.0           | 23.57       | Peak     | 329.00         | 100         | Horizontal | Pass    |
| 2** | 4382.200        | 42.34            | -3.64       | 54.0           | 11.66       | AV       | 329.00         | 100         | Horizontal | Pass    |
| 3   | 5296.600        | 105.95           | -2.89       | --             | --          | Peak     | 144.00         | 150         | Horizontal | N/A     |
| 3** | 5296.600        | 98.75            | -2.89       | --             | --          | AV       | 144.00         | 150         | Horizontal | N/A     |
| 4   | 7686.837        | 49.90            | -2.03       | 74.0           | 24.10       | Peak     | 109.00         | 400         | Horizontal | Pass    |
| 4** | 7686.837        | 40.49            | -2.03       | 54.0           | 13.51       | AV       | 109.00         | 400         | Horizontal | Pass    |
| 5   | 12279.075       | 53.56            | 1.77        | 74.0           | 20.44       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 5** | 12279.075       | 44.13            | 1.77        | 54.0           | 9.87        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 6   | 15507.299       | 55.68            | 1.35        | 74.0           | 18.32       | Peak     | 343.00         | 200         | Horizontal | Pass    |
| 6** | 15507.299       | 45.60            | 1.35        | 54.0           | 8.40        | AV       | 343.00         | 200         | 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   | 1540.800        | 39.29            | -16.95      | 74.0           | 34.71       | Peak     | 304.00         | 400         | Vertical | Pass    |
| 1** | 1540.800        | 29.67            | -16.95      | 54.0           | 24.33       | AV       | 304.00         | 400         | Vertical | Pass    |
| 2   | 4390.200        | 49.94            | -3.31       | 74.0           | 24.06       | Peak     | 309.00         | 400         | Vertical | Pass    |
| 2** | 4390.200        | 41.74            | -3.31       | 54.0           | 12.26       | AV       | 309.00         | 400         | Vertical | Pass    |
| 3   | 5301.200        | 97.55            | -2.82       | --             | --          | Peak     | 141.00         | 100         | Vertical | N/A     |
| 3** | 5301.200        | 89.99            | -2.82       | --             | --          | AV       | 141.00         | 100         | Vertical | N/A     |
| 4   | 7678.788        | 50.60            | -2.47       | 74.0           | 23.40       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 4** | 7678.788        | 41.07            | -2.47       | 54.0           | 12.93       | AV       | 360.00         | 100         | Vertical | Pass    |
| 5   | 11947.300       | 53.47            | 1.47        | 74.0           | 20.53       | Peak     | 204.00         | 100         | Vertical | Pass    |
| 5** | 11947.300       | 43.15            | 1.47        | 54.0           | 10.85       | AV       | 204.00         | 100         | Vertical | Pass    |
| 6   | 15508.350       | 55.97            | 1.39        | 74.0           | 18.03       | Peak     | 1.00           | 300         | Vertical | Pass    |
| 6** | 15508.350       | 46.64            | 1.39        | 54.0           | 7.36        | AV       | 1.00           | 300         | 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   | 1587.500        | 39.18            | -17.03      | 74.0           | 34.82       | Peak     | 159.00         | 400         | Horizontal | Pass    |
| 1** | 1587.500        | 29.80            | -17.03      | 54.0           | 24.20       | AV       | 159.00         | 400         | Horizontal | Pass    |
| 2   | 4385.000        | 50.78            | -3.47       | 74.0           | 23.22       | Peak     | 49.00          | 300         | Horizontal | Pass    |
| 2** | 4385.000        | 41.13            | -3.47       | 54.0           | 12.87       | AV       | 49.00          | 300         | Horizontal | Pass    |
| 3   | 5321.600        | 106.39           | -2.21       | --             | --          | Peak     | 143.00         | 150         | Horizontal | N/A     |
| 3** | 5321.600        | 98.84            | -2.21       | --             | --          | AV       | 143.00         | 150         | Horizontal | N/A     |
| 4   | 7353.050        | 50.01            | -3.82       | 74.0           | 23.99       | Peak     | 258.00         | 100         | Horizontal | Pass    |
| 4** | 7353.050        | 39.71            | -3.82       | 54.0           | 14.29       | AV       | 258.00         | 100         | Horizontal | Pass    |
| 5   | 12313.575       | 53.35            | 1.39        | 74.0           | 20.65       | Peak     | 14.00          | 100         | Horizontal | Pass    |
| 5** | 12313.575       | 44.53            | 1.39        | 54.0           | 9.47        | AV       | 14.00          | 100         | Horizontal | Pass    |
| 6   | 15513.338       | 55.80            | 1.41        | 74.0           | 18.20       | Peak     | 287.00         | 100         | Horizontal | Pass    |
| 6** | 15513.338       | 46.24            | 1.41        | 54.0           | 7.76        | AV       | 287.00         | 100         | 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   | 1496.800        | 39.03            | -16.94      | 74.0           | 34.97       | Peak     | 123.00         | 300         | Vertical | Pass    |
| 1** | 1496.800        | 29.03            | -16.94      | 54.0           | 24.97       | AV       | 123.00         | 300         | Vertical | Pass    |
| 2   | 4392.000        | 49.84            | -3.50       | 74.0           | 24.16       | Peak     | 141.00         | 100         | Vertical | Pass    |
| 2** | 4392.000        | 41.90            | -3.50       | 54.0           | 12.10       | AV       | 141.00         | 100         | Vertical | Pass    |
| 3   | 5322.600        | 97.62            | -1.95       | --             | --          | Peak     | 141.00         | 200         | Vertical | N/A     |
| 3** | 5322.600        | 90.19            | -1.95       | --             | --          | AV       | 141.00         | 200         | Vertical | N/A     |
| 4   | 7569.825        | 48.84            | -2.97       | 74.0           | 25.16       | Peak     | 79.00          | 100         | Vertical | Pass    |
| 4** | 7569.825        | 39.27            | -2.97       | 54.0           | 14.73       | AV       | 79.00          | 100         | Vertical | Pass    |
| 5   | 11951.037       | 52.82            | 1.35        | 74.0           | 21.18       | Peak     | 200.00         | 150         | Vertical | Pass    |
| 5** | 11951.037       | 43.08            | 1.35        | 54.0           | 10.92       | AV       | 200.00         | 150         | Vertical | Pass    |
| 6   | 15512.549       | 55.82            | 1.42        | 74.0           | 18.18       | Peak     | 199.00         | 100         | Vertical | Pass    |
| 6** | 15512.549       | 47.00            | 1.42        | 54.0           | 7.00        | AV       | 199.00         | 100         | 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   | 1482.700        | 38.91            | -17.00      | 74.0           | 35.09       | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 1** | 1482.700        | 30.31            | -17.00      | 54.0           | 23.69       | AV       | 331.00         | 100         | Horizontal | Pass    |
| 2   | 4387.600        | 50.31            | -3.37       | 74.0           | 23.69       | Peak     | 284.00         | 200         | Horizontal | Pass    |
| 2** | 4387.600        | 41.96            | -3.37       | 54.0           | 12.04       | AV       | 284.00         | 200         | Horizontal | Pass    |
| 3   | 5258.800        | 105.50           | -1.76       | --             | --          | Peak     | 147.00         | 150         | Horizontal | N/A     |
| 3** | 5258.800        | 98.13            | -1.76       | --             | --          | AV       | 147.00         | 150         | Horizontal | N/A     |
| 4   | 7484.725        | 49.83            | -3.55       | 74.0           | 24.17       | Peak     | 210.00         | 400         | Horizontal | Pass    |
| 4** | 7484.725        | 39.30            | -3.55       | 54.0           | 14.70       | AV       | 210.00         | 400         | Horizontal | Pass    |
| 5   | 12233.362       | 53.56            | 1.21        | 74.0           | 20.44       | Peak     | 127.00         | 100         | Horizontal | Pass    |
| 5** | 12233.362       | 44.36            | 1.21        | 54.0           | 9.64        | AV       | 127.00         | 100         | Horizontal | Pass    |
| 6   | 15782.400       | 56.15            | 1.67        | 74.0           | 17.85       | Peak     | 78.00          | 400         | Horizontal | Pass    |
| 6** | 15782.400       | 46.45            | 1.67        | 54.0           | 7.55        | AV       | 78.00          | 400         | 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   | 1492.900        | 40.62            | -16.88      | 74.0           | 33.38       | Peak     | 116.00         | 400         | Vertical | Pass    |
| 1** | 1492.900        | 31.45            | -16.88      | 54.0           | 22.55       | AV       | 116.00         | 400         | Vertical | Pass    |
| 2   | 4388.400        | 49.96            | -3.40       | 74.0           | 24.04       | Peak     | 21.00          | 300         | Vertical | Pass    |
| 2** | 4388.400        | 41.01            | -3.40       | 54.0           | 12.99       | AV       | 21.00          | 300         | Vertical | Pass    |
| 3   | 5261.600        | 96.98            | -2.08       | --             | --          | Peak     | 149.00         | 150         | Vertical | N/A     |
| 3** | 5261.600        | 88.96            | -2.08       | --             | --          | AV       | 149.00         | 150         | Vertical | N/A     |
| 4   | 7687.413        | 50.22            | -2.12       | 74.0           | 23.78       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 4** | 7687.413        | 40.44            | -2.12       | 54.0           | 13.56       | AV       | 0.00           | 300         | Vertical | Pass    |
| 5   | 12219.275       | 53.11            | 1.22        | 74.0           | 20.89       | Peak     | 13.00          | 150         | Vertical | Pass    |
| 5** | 12219.275       | 43.41            | 1.22        | 54.0           | 10.59       | AV       | 13.00          | 150         | Vertical | Pass    |
| 6   | 15833.062       | 56.51            | 1.47        | 74.0           | 17.49       | Peak     | 193.00         | 200         | Vertical | Pass    |
| 6** | 15833.062       | 46.48            | 1.47        | 54.0           | 7.52        | AV       | 193.00         | 200         | 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   | 1575.800        | 38.73            | -17.26      | 74.0           | 35.27       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 1** | 1575.800        | 29.66            | -17.26      | 54.0           | 24.34       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 2   | 4135.200        | 50.21            | -4.74       | 74.0           | 23.79       | Peak     | 174.00         | 100         | Horizontal | Pass    |
| 2** | 4135.200        | 40.42            | -4.74       | 54.0           | 13.58       | AV       | 174.00         | 100         | Horizontal | Pass    |
| 3   | 5298.800        | 105.89           | -2.90       | --             | --          | Peak     | 141.00         | 200         | Horizontal | N/A     |
| 3** | 5298.800        | 97.97            | -2.90       | --             | --          | AV       | 141.00         | 200         | Horizontal | N/A     |
| 4   | 7732.550        | 49.72            | -2.19       | 74.0           | 24.28       | Peak     | 260.00         | 300         | Horizontal | Pass    |
| 4** | 7732.550        | 40.11            | -2.19       | 54.0           | 13.89       | AV       | 260.00         | 300         | Horizontal | Pass    |
| 5   | 12069.775       | 53.48            | 0.79        | 74.0           | 20.52       | Peak     | 94.00          | 100         | Horizontal | Pass    |
| 5** | 12069.775       | 42.87            | 0.79        | 54.0           | 11.13       | AV       | 94.00          | 100         | Horizontal | Pass    |
| 6   | 15842.513       | 56.40            | 1.41        | 74.0           | 17.60       | Peak     | 339.00         | 300         | Horizontal | Pass    |
| 6** | 15842.513       | 46.49            | 1.41        | 54.0           | 7.51        | AV       | 339.00         | 300         | 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   | 1562.400        | 39.30            | -16.82      | 74.0           | 34.70       | Peak     | 52.00          | 300         | Vertical | Pass    |
| 1** | 1562.400        | 29.90            | -16.82      | 54.0           | 24.10       | AV       | 52.00          | 300         | Vertical | Pass    |
| 2   | 4378.200        | 49.72            | -3.44       | 74.0           | 24.28       | Peak     | 276.00         | 200         | Vertical | Pass    |
| 2** | 4378.200        | 41.55            | -3.44       | 54.0           | 12.45       | AV       | 276.00         | 200         | Vertical | Pass    |
| 3   | 5299.000        | 96.52            | -2.92       | --             | --          | Peak     | 150.00         | 200         | Vertical | N/A     |
| 3** | 5299.000        | 89.28            | -2.92       | --             | --          | AV       | 150.00         | 200         | Vertical | N/A     |
| 4   | 7452.237        | 49.37            | -3.16       | 74.0           | 24.63       | Peak     | 89.00          | 200         | Vertical | Pass    |
| 4** | 7452.237        | 40.78            | -3.16       | 54.0           | 13.22       | AV       | 89.00          | 200         | Vertical | Pass    |
| 5   | 12261.826       | 53.06            | 1.15        | 74.0           | 20.94       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 5** | 12261.826       | 43.32            | 1.15        | 54.0           | 10.68       | AV       | 0.00           | 200         | Vertical | Pass    |
| 6   | 16082.700       | 56.07            | 1.58        | 74.0           | 17.93       | Peak     | 175.00         | 200         | Vertical | Pass    |
| 6** | 16082.700       | 46.28            | 1.58        | 54.0           | 7.72        | AV       | 175.00         | 200         | 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   | 1486.300        | 39.89            | -16.71      | 74.0           | 34.11       | Peak     | 11.00          | 200         | Horizontal | Pass    |
| 1** | 1486.300        | 29.42            | -16.71      | 54.0           | 24.58       | AV       | 11.00          | 200         | Horizontal | Pass    |
| 2   | 4392.400        | 50.29            | -3.55       | 74.0           | 23.71       | Peak     | 187.00         | 100         | Horizontal | Pass    |
| 2** | 4392.400        | 41.40            | -3.55       | 54.0           | 12.60       | AV       | 187.00         | 100         | Horizontal | Pass    |
| 3   | 5322.600        | 105.94           | -1.95       | --             | --          | Peak     | 144.00         | 150         | Horizontal | N/A     |
| 3** | 5322.600        | 97.96            | -1.95       | --             | --          | AV       | 144.00         | 150         | Horizontal | N/A     |
| 4   | 7437.287        | 49.29            | -3.42       | 74.0           | 24.71       | Peak     | 164.00         | 300         | Horizontal | Pass    |
| 4** | 7437.287        | 40.27            | -3.42       | 54.0           | 13.73       | AV       | 164.00         | 300         | Horizontal | Pass    |
| 5   | 12280.800       | 52.84            | 1.80        | 74.0           | 21.16       | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12280.800       | 43.83            | 1.80        | 54.0           | 10.17       | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15798.674       | 56.29            | 2.29        | 74.0           | 17.71       | Peak     | 281.00         | 200         | Horizontal | Pass    |
| 6** | 15798.674       | 46.40            | 2.29        | 54.0           | 7.60        | AV       | 281.00         | 200         | 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   | 1494.400        | 40.08            | -16.87      | 74.0           | 33.92       | Peak     | 99.00          | 100         | Vertical | Pass    |
| 1** | 1494.400        | 29.43            | -16.87      | 54.0           | 24.57       | AV       | 99.00          | 100         | Vertical | Pass    |
| 2   | 4391.000        | 50.28            | -3.38       | 74.0           | 23.72       | Peak     | 317.00         | 200         | Vertical | Pass    |
| 2** | 4391.000        | 41.58            | -3.38       | 54.0           | 12.42       | AV       | 317.00         | 200         | Vertical | Pass    |
| 3   | 5321.400        | 97.34            | -2.26       | --             | --          | Peak     | 152.00         | 150         | Vertical | N/A     |
| 3** | 5321.400        | 89.55            | -2.26       | --             | --          | AV       | 152.00         | 150         | Vertical | N/A     |
| 4   | 7529.575        | 50.04            | -2.83       | 74.0           | 23.96       | Peak     | 102.00         | 400         | Vertical | Pass    |
| 4** | 7529.575        | 39.42            | -2.83       | 54.0           | 14.58       | AV       | 102.00         | 400         | Vertical | Pass    |
| 5   | 12212.088       | 53.16            | 1.09        | 74.0           | 20.84       | Peak     | 201.00         | 100         | Vertical | Pass    |
| 5** | 12212.088       | 42.80            | 1.09        | 54.0           | 11.20       | AV       | 201.00         | 100         | Vertical | Pass    |
| 6   | 15866.662       | 56.33            | 0.75        | 74.0           | 17.67       | Peak     | 280.00         | 200         | Vertical | Pass    |
| 6** | 15866.662       | 46.77            | 0.75        | 54.0           | 7.23        | AV       | 280.00         | 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   | 1594.500        | 38.81            | -17.37      | 74.0           | 35.19       | Peak     | 135.00         | 300         | Horizontal | Pass    |
| 1** | 1594.500        | 29.60            | -17.37      | 54.0           | 24.40       | AV       | 135.00         | 300         | Horizontal | Pass    |
| 2   | 4382.600        | 50.29            | -3.64       | 74.0           | 23.71       | Peak     | 341.00         | 300         | Horizontal | Pass    |
| 2** | 4382.600        | 41.54            | -3.64       | 54.0           | 12.46       | AV       | 341.00         | 300         | Horizontal | Pass    |
| 3   | 5271.400        | 103.04           | -2.58       | --             | --          | Peak     | 136.00         | 150         | Horizontal | N/A     |
| 3** | 5271.400        | 95.77            | -2.58       | --             | --          | AV       | 136.00         | 150         | Horizontal | N/A     |
| 4   | 7356.212        | 49.81            | -3.81       | 74.0           | 24.19       | Peak     | 114.00         | 300         | Horizontal | Pass    |
| 4** | 7356.212        | 40.18            | -3.81       | 54.0           | 13.82       | AV       | 114.00         | 300         | Horizontal | Pass    |
| 5   | 12248.313       | 53.31            | 0.97        | 74.0           | 20.69       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 5** | 12248.313       | 43.67            | 0.97        | 54.0           | 10.33       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 6   | 16144.388       | 55.71            | 1.04        | 74.0           | 18.29       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 6** | 16144.388       | 46.66            | 1.04        | 54.0           | 7.34        | AV       | 0.00           | 300         | 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   | 1493.400        | 39.62            | -16.88      | 74.0           | 34.38       | Peak     | 102.00         | 200         | Vertical | Pass    |
| 1** | 1493.400        | 29.53            | -16.88      | 54.0           | 24.47       | AV       | 102.00         | 200         | Vertical | Pass    |
| 2   | 4374.000        | 50.04            | -3.92       | 74.0           | 23.96       | Peak     | 285.00         | 100         | Vertical | Pass    |
| 2** | 4374.000        | 40.50            | -3.92       | 54.0           | 13.50       | AV       | 285.00         | 100         | Vertical | Pass    |
| 3   | 5271.600        | 94.06            | -2.61       | --             | --          | Peak     | 145.00         | 200         | Vertical | N/A     |
| 3** | 5271.600        | 86.63            | -2.61       | --             | --          | AV       | 145.00         | 200         | Vertical | N/A     |
| 4   | 7338.387        | 49.53            | -2.90       | 74.0           | 24.47       | Peak     | 230.00         | 100         | Vertical | Pass    |
| 4** | 7338.387        | 40.79            | -2.90       | 54.0           | 13.21       | AV       | 230.00         | 100         | Vertical | Pass    |
| 5   | 12603.662       | 53.00            | 1.91        | 74.0           | 21.00       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 12603.662       | 44.45            | 1.91        | 54.0           | 9.55        | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 15826.237       | 56.43            | 1.60        | 74.0           | 17.57       | Peak     | 226.00         | 400         | Vertical | Pass    |
| 6** | 15826.237       | 46.38            | 1.60        | 54.0           | 7.62        | AV       | 226.00         | 400         | 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   | 1624.300        | 39.32            | -17.09      | 74.0           | 34.68       | Peak     | 113.00         | 300         | Horizontal | Pass    |
| 1** | 1624.300        | 29.12            | -17.09      | 54.0           | 24.88       | AV       | 113.00         | 300         | Horizontal | Pass    |
| 2   | 4392.800        | 49.90            | -3.61       | 74.0           | 24.10       | Peak     | 149.00         | 400         | Horizontal | Pass    |
| 2** | 4392.800        | 40.63            | -3.61       | 54.0           | 13.37       | AV       | 149.00         | 400         | Horizontal | Pass    |
| 3   | 5314.400        | 103.48           | -2.35       | --             | --          | Peak     | 138.00         | 100         | Horizontal | N/A     |
| 3** | 5314.400        | 95.02            | -2.35       | --             | --          | AV       | 138.00         | 100         | Horizontal | N/A     |
| 4   | 7364.837        | 49.72            | -3.42       | 74.0           | 24.28       | Peak     | 98.00          | 400         | Horizontal | Pass    |
| 4** | 7364.837        | 39.92            | -3.42       | 54.0           | 14.08       | AV       | 98.00          | 400         | Horizontal | Pass    |
| 5   | 12611.713       | 52.71            | 1.89        | 74.0           | 21.29       | Peak     | 148.00         | 100         | Horizontal | Pass    |
| 5** | 12611.713       | 43.12            | 1.89        | 54.0           | 10.88       | AV       | 148.00         | 100         | Horizontal | Pass    |
| 6   | 16083.488       | 56.13            | 1.56        | 74.0           | 17.87       | Peak     | 68.00          | 100         | Horizontal | Pass    |
| 6** | 16083.488       | 46.61            | 1.56        | 54.0           | 7.39        | AV       | 68.00          | 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   | 1500.300        | 39.26            | -16.88      | 74.0           | 34.74       | Peak     | 106.00         | 200         | Vertical | Pass    |
| 1** | 1500.300        | 29.57            | -16.88      | 54.0           | 24.43       | AV       | 106.00         | 200         | Vertical | Pass    |
| 2   | 4389.800        | 50.03            | -3.33       | 74.0           | 23.97       | Peak     | 152.00         | 100         | Vertical | Pass    |
| 2** | 4389.800        | 41.04            | -3.33       | 54.0           | 12.96       | AV       | 152.00         | 100         | Vertical | Pass    |
| 3   | 5312.000        | 95.74            | -2.34       | --             | --          | Peak     | 140.00         | 200         | Vertical | N/A     |
| 3** | 5312.000        | 87.84            | -2.34       | --             | --          | AV       | 140.00         | 200         | Vertical | N/A     |
| 4   | 7685.975        | 49.27            | -1.99       | 74.0           | 24.73       | Peak     | 311.00         | 200         | Vertical | Pass    |
| 4** | 7685.975        | 40.90            | -1.99       | 54.0           | 13.10       | AV       | 311.00         | 200         | Vertical | Pass    |
| 5   | 12433.750       | 53.32            | 1.66        | 74.0           | 20.68       | Peak     | 208.00         | 150         | Vertical | Pass    |
| 5** | 12433.750       | 43.51            | 1.66        | 54.0           | 10.49       | AV       | 208.00         | 150         | Vertical | Pass    |
| 6   | 15820.200       | 56.81            | 1.87        | 74.0           | 17.19       | Peak     | 8.00           | 300         | Vertical | Pass    |
| 6** | 15820.200       | 46.95            | 1.87        | 54.0           | 7.05        | AV       | 8.00           | 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   | 1544.500        | 39.02            | -17.25      | 74.0           | 34.98       | Peak     | 204.00         | 200         | Horizontal | Pass    |
| 1** | 1544.500        | 29.58            | -17.25      | 54.0           | 24.42       | AV       | 204.00         | 200         | Horizontal | Pass    |
| 2   | 4176.800        | 50.01            | -4.83       | 74.0           | 23.99       | Peak     | 329.00         | 300         | Horizontal | Pass    |
| 2** | 4176.800        | 40.17            | -4.83       | 54.0           | 13.83       | AV       | 329.00         | 300         | Horizontal | Pass    |
| 3   | 5259.200        | 105.34           | -1.76       | --             | --          | Peak     | 143.00         | 150         | Horizontal | N/A     |
| 3** | 5259.200        | 98.27            | -1.76       | --             | --          | AV       | 143.00         | 150         | Horizontal | N/A     |
| 4   | 7496.513        | 49.39            | -3.59       | 74.0           | 24.61       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 4** | 7496.513        | 40.05            | -3.59       | 54.0           | 13.95       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 5   | 12247.162       | 53.28            | 0.99        | 74.0           | 20.72       | Peak     | 273.00         | 200         | Horizontal | Pass    |
| 5** | 12247.162       | 43.91            | 0.99        | 54.0           | 10.09       | AV       | 273.00         | 200         | Horizontal | Pass    |
| 6   | 15823.350       | 55.99            | 1.72        | 74.0           | 18.01       | Peak     | 153.00         | 100         | Horizontal | Pass    |
| 6** | 15823.350       | 46.86            | 1.72        | 54.0           | 7.14        | AV       | 153.00         | 100         | 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   | 1494.300        | 39.01            | -16.87      | 74.0           | 34.99       | Peak     | 214.00         | 100         | Vertical | Pass    |
| 1** | 1494.300        | 29.67            | -16.87      | 54.0           | 24.33       | AV       | 214.00         | 100         | Vertical | Pass    |
| 2   | 4392.800        | 51.35            | -3.61       | 74.0           | 22.65       | Peak     | 107.00         | 400         | Vertical | Pass    |
| 2** | 4392.800        | 42.39            | -3.61       | 54.0           | 11.61       | AV       | 107.00         | 400         | Vertical | Pass    |
| 3   | 5258.600        | 96.65            | -1.77       | --             | --          | Peak     | 140.00         | 150         | Vertical | N/A     |
| 3** | 5258.600        | 89.88            | -1.77       | --             | --          | AV       | 140.00         | 150         | Vertical | N/A     |
| 4   | 7347.013        | 49.34            | -3.63       | 74.0           | 24.66       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 4** | 7347.013        | 40.36            | -3.63       | 54.0           | 13.64       | AV       | 360.00         | 400         | Vertical | Pass    |
| 5   | 10932.712       | 52.80            | 0.03        | 74.0           | 21.20       | Peak     | 215.00         | 100         | Vertical | Pass    |
| 5** | 10932.712       | 43.98            | 0.03        | 54.0           | 10.02       | AV       | 215.00         | 100         | Vertical | Pass    |
| 6   | 15837.000       | 55.64            | 1.45        | 74.0           | 18.36       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 6** | 15837.000       | 46.77            | 1.45        | 54.0           | 7.23        | AV       | 0.00           | 400         | 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   | 1466.800        | 39.34            | -17.37      | 74.0           | 34.66       | Peak     | 190.00         | 300         | Horizontal | Pass    |
| 1** | 1466.800        | 30.06            | -17.37      | 54.0           | 23.94       | AV       | 190.00         | 300         | Horizontal | Pass    |
| 2   | 4285.400        | 50.35            | -4.26       | 74.0           | 23.65       | Peak     | 107.00         | 300         | Horizontal | Pass    |
| 2** | 4285.400        | 41.22            | -4.26       | 54.0           | 12.78       | AV       | 107.00         | 300         | Horizontal | Pass    |
| 3   | 5298.200        | 106.32           | -2.86       | --             | --          | Peak     | 141.00         | 200         | Horizontal | N/A     |
| 3** | 5298.200        | 98.38            | -2.86       | --             | --          | AV       | 141.00         | 200         | Horizontal | N/A     |
| 4   | 7345.000        | 49.42            | -3.49       | 74.0           | 24.58       | Peak     | 128.00         | 100         | Horizontal | Pass    |
| 4** | 7345.000        | 41.38            | -3.49       | 54.0           | 12.62       | AV       | 128.00         | 100         | Horizontal | Pass    |
| 5   | 12338.588       | 53.48            | 1.30        | 74.0           | 20.52       | Peak     | 34.00          | 100         | Horizontal | Pass    |
| 5** | 12338.588       | 43.56            | 1.30        | 54.0           | 10.44       | AV       | 34.00          | 100         | Horizontal | Pass    |
| 6   | 15399.412       | 57.18            | 0.75        | 74.0           | 16.82       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 15399.412       | 45.79            | 0.75        | 54.0           | 8.21        | AV       | 360.00         | 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   | 1499.900        | 39.41            | -16.96      | 74.0           | 34.59       | Peak     | 111.00         | 400         | Vertical | Pass    |
| 1** | 1499.900        | 29.38            | -16.96      | 54.0           | 24.62       | AV       | 111.00         | 400         | Vertical | Pass    |
| 2   | 4384.600        | 50.03            | -3.54       | 74.0           | 23.97       | Peak     | 178.00         | 400         | Vertical | Pass    |
| 2** | 4384.600        | 41.21            | -3.54       | 54.0           | 12.79       | AV       | 178.00         | 400         | Vertical | Pass    |
| 3   | 5302.600        | 97.19            | -2.72       | --             | --          | Peak     | 145.00         | 150         | Vertical | N/A     |
| 3** | 5302.600        | 89.96            | -2.72       | --             | --          | AV       | 145.00         | 150         | Vertical | N/A     |
| 4   | 7336.950        | 49.83            | -3.01       | 74.0           | 24.17       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 4** | 7336.950        | 40.95            | -3.01       | 54.0           | 13.05       | AV       | 360.00         | 100         | Vertical | Pass    |
| 5   | 12279.075       | 52.98            | 1.77        | 74.0           | 21.02       | Peak     | 350.00         | 150         | Vertical | Pass    |
| 5** | 12279.075       | 44.17            | 1.77        | 54.0           | 9.83        | AV       | 350.00         | 150         | Vertical | Pass    |
| 6   | 15814.950       | 55.92            | 2.06        | 74.0           | 18.08       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 6** | 15814.950       | 47.15            | 2.06        | 54.0           | 6.85        | AV       | 0.00           | 400         | 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   | 1612.100        | 39.10            | -17.24      | 74.0           | 34.90       | Peak     | 61.00          | 300         | Horizontal | Pass    |
| 1** | 1612.100        | 29.85            | -17.24      | 54.0           | 24.15       | AV       | 61.00          | 300         | Horizontal | Pass    |
| 2   | 4394.200        | 50.07            | -3.81       | 74.0           | 23.93       | Peak     | 71.00          | 300         | Horizontal | Pass    |
| 2** | 4394.200        | 41.55            | -3.81       | 54.0           | 12.45       | AV       | 71.00          | 300         | Horizontal | Pass    |
| 3   | 5318.000        | 105.73           | -2.47       | --             | --          | Peak     | 144.00         | 200         | Horizontal | N/A     |
| 3** | 5318.000        | 98.25            | -2.47       | --             | --          | AV       | 144.00         | 200         | Horizontal | N/A     |
| 4   | 7342.987        | 49.98            | -3.31       | 74.0           | 24.02       | Peak     | 222.00         | 300         | Horizontal | Pass    |
| 4** | 7342.987        | 41.18            | -3.31       | 54.0           | 12.82       | AV       | 222.00         | 300         | Horizontal | Pass    |
| 5   | 12302.937       | 53.03            | 1.42        | 74.0           | 20.97       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 5** | 12302.937       | 43.46            | 1.42        | 54.0           | 10.54       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 6   | 15799.725       | 55.59            | 2.33        | 74.0           | 18.41       | Peak     | 167.00         | 100         | Horizontal | Pass    |
| 6** | 15799.725       | 47.01            | 2.33        | 54.0           | 6.99        | AV       | 167.00         | 100         | 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   | 1584.000        | 38.89            | -17.03      | 74.0           | 35.11       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 1584.000        | 29.78            | -17.03      | 54.0           | 24.22       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 4224.600        | 50.09            | -4.25       | 74.0           | 23.91       | Peak     | 316.00         | 100         | Vertical | Pass    |
| 2** | 4224.600        | 39.57            | -4.25       | 54.0           | 14.43       | AV       | 316.00         | 100         | Vertical | Pass    |
| 3   | 5318.800        | 98.07            | -2.36       | --             | --          | Peak     | 150.00         | 100         | Vertical | N/A     |
| 3** | 5318.800        | 90.30            | -2.36       | --             | --          | AV       | 150.00         | 100         | Vertical | N/A     |
| 4   | 7621.000        | 49.40            | -2.74       | 74.0           | 24.60       | Peak     | 119.00         | 100         | Vertical | Pass    |
| 4** | 7621.000        | 40.16            | -2.74       | 54.0           | 13.84       | AV       | 119.00         | 100         | Vertical | Pass    |
| 5   | 12290.288       | 53.00            | 1.66        | 74.0           | 21.00       | Peak     | 85.00          | 100         | Vertical | Pass    |
| 5** | 12290.288       | 43.91            | 1.66        | 54.0           | 10.09       | AV       | 85.00          | 100         | Vertical | Pass    |
| 6   | 16031.250       | 55.92            | 0.72        | 74.0           | 18.08       | Peak     | 155.00         | 100         | Vertical | Pass    |
| 6** | 16031.250       | 46.02            | 0.72        | 54.0           | 7.98        | AV       | 155.00         | 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   | 1493.700        | 39.39            | -16.88      | 74.0           | 34.61       | Peak     | 43.00          | 100         | Horizontal | Pass    |
| 1** | 1493.700        | 30.35            | -16.88      | 54.0           | 23.65       | AV       | 43.00          | 100         | Horizontal | Pass    |
| 2   | 4377.200        | 49.80            | -3.65       | 74.0           | 24.20       | Peak     | 84.00          | 400         | Horizontal | Pass    |
| 2** | 4377.200        | 41.28            | -3.65       | 54.0           | 12.72       | AV       | 84.00          | 400         | Horizontal | Pass    |
| 3   | 5271.600        | 103.20           | -2.61       | --             | --          | Peak     | 142.00         | 200         | Horizontal | N/A     |
| 3** | 5271.600        | 95.66            | -2.61       | --             | --          | AV       | 142.00         | 200         | Horizontal | N/A     |
| 4   | 7349.887        | 49.74            | -3.65       | 74.0           | 24.26       | Peak     | 299.00         | 100         | Horizontal | Pass    |
| 4** | 7349.887        | 41.00            | -3.65       | 54.0           | 13.00       | AV       | 299.00         | 100         | Horizontal | Pass    |
| 5   | 12238.537       | 53.26            | 1.09        | 74.0           | 20.74       | Peak     | 149.00         | 100         | Horizontal | Pass    |
| 5** | 12238.537       | 43.54            | 1.09        | 54.0           | 10.46       | AV       | 149.00         | 100         | Horizontal | Pass    |
| 6   | 15504.151       | 55.65            | 1.26        | 74.0           | 18.35       | Peak     | 58.00          | 400         | Horizontal | Pass    |
| 6** | 15504.151       | 46.39            | 1.26        | 54.0           | 7.61        | AV       | 58.00          | 400         | 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   | 1534.300        | 39.09            | -17.17      | 74.0           | 34.91       | Peak     | 324.00         | 200         | Vertical | Pass    |
| 1** | 1534.300        | 28.82            | -17.17      | 54.0           | 25.18       | AV       | 324.00         | 200         | Vertical | Pass    |
| 2   | 4301.400        | 50.58            | -4.30       | 74.0           | 23.42       | Peak     | 254.00         | 100         | Vertical | Pass    |
| 2** | 4301.400        | 40.77            | -4.30       | 54.0           | 13.23       | AV       | 254.00         | 100         | Vertical | Pass    |
| 3   | 5271.600        | 94.57            | -2.61       | --             | --          | Peak     | 148.00         | 200         | Vertical | N/A     |
| 3** | 5271.600        | 87.00            | -2.61       | --             | --          | AV       | 148.00         | 200         | Vertical | N/A     |
| 4   | 7569.825        | 49.75            | -2.97       | 74.0           | 24.25       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7569.825        | 39.69            | -2.97       | 54.0           | 14.31       | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 12302.937       | 53.19            | 1.42        | 74.0           | 20.81       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 5** | 12302.937       | 43.63            | 1.42        | 54.0           | 10.37       | AV       | 0.00           | 200         | Vertical | Pass    |
| 6   | 15795.787       | 55.97            | 2.19        | 74.0           | 18.03       | Peak     | 342.00         | 100         | Vertical | Pass    |
| 6** | 15795.787       | 46.88            | 2.19        | 54.0           | 7.12        | AV       | 342.00         | 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   | 1491.100        | 39.35            | -16.82      | 74.0           | 34.65       | Peak     | 19.00          | 200         | Horizontal | Pass    |
| 1** | 1491.100        | 29.65            | -16.82      | 54.0           | 24.35       | AV       | 19.00          | 200         | Horizontal | Pass    |
| 2   | 4393.400        | 50.81            | -3.70       | 74.0           | 23.19       | Peak     | 105.00         | 100         | Horizontal | Pass    |
| 2** | 4393.400        | 41.94            | -3.70       | 54.0           | 12.06       | AV       | 105.00         | 100         | Horizontal | Pass    |
| 3   | 5310.800        | 103.67           | -2.36       | --             | --          | Peak     | 133.00         | 100         | Horizontal | N/A     |
| 3** | 5310.800        | 94.20            | -2.36       | --             | --          | AV       | 133.00         | 100         | Horizontal | N/A     |
| 4   | 7685.687        | 49.98            | -2.09       | 74.0           | 24.02       | Peak     | 248.00         | 300         | Horizontal | Pass    |
| 4** | 7685.687        | 40.28            | -2.09       | 54.0           | 13.72       | AV       | 248.00         | 300         | Horizontal | Pass    |
| 5   | 12242.275       | 53.76            | 1.04        | 74.0           | 20.24       | Peak     | 86.00          | 150         | Horizontal | Pass    |
| 5** | 12242.275       | 43.70            | 1.04        | 54.0           | 10.30       | AV       | 86.00          | 150         | Horizontal | Pass    |
| 6   | 16025.213       | 55.43            | 0.68        | 74.0           | 18.57       | Peak     | 146.00         | 100         | Horizontal | Pass    |
| 6** | 16025.213       | 46.07            | 0.68        | 54.0           | 7.93        | AV       | 146.00         | 100         | 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   | 1484.800        | 39.80            | -16.76      | 74.0           | 34.20       | Peak     | 45.00          | 100         | Vertical | Pass    |
| 1** | 1484.800        | 29.90            | -16.76      | 54.0           | 24.10       | AV       | 45.00          | 100         | Vertical | Pass    |
| 2   | 4380.400        | 50.72            | -3.39       | 74.0           | 23.28       | Peak     | 328.00         | 400         | Vertical | Pass    |
| 2** | 4380.400        | 41.07            | -3.39       | 54.0           | 12.93       | AV       | 328.00         | 400         | Vertical | Pass    |
| 3   | 5308.000        | 95.60            | -2.32       | --             | --          | Peak     | 151.00         | 200         | Vertical | N/A     |
| 3** | 5308.000        | 88.09            | -2.32       | --             | --          | AV       | 151.00         | 200         | Vertical | N/A     |
| 4   | 7722.487        | 49.72            | -2.63       | 74.0           | 24.28       | Peak     | 297.00         | 200         | Vertical | Pass    |
| 4** | 7722.487        | 39.96            | -2.63       | 54.0           | 14.04       | AV       | 297.00         | 200         | Vertical | Pass    |
| 5   | 12283.675       | 52.91            | 1.78        | 74.0           | 21.09       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 12283.675       | 44.00            | 1.78        | 54.0           | 10.00       | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 15858.525       | 56.06            | 1.01        | 74.0           | 17.94       | Peak     | 300.00         | 100         | Vertical | Pass    |
| 6** | 15858.525       | 46.76            | 1.01        | 54.0           | 7.24        | AV       | 300.00         | 100         | 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   | 1501.800        | 38.71            | -16.98      | 74.0           | 35.29       | Peak     | 50.00          | 300         | Horizontal | Pass    |
| 1** | 1501.800        | 29.63            | -16.98      | 54.0           | 24.37       | AV       | 50.00          | 300         | Horizontal | Pass    |
| 2   | 4386.000        | 50.36            | -3.30       | 74.0           | 23.64       | Peak     | 39.00          | 300         | Horizontal | Pass    |
| 2** | 4386.000        | 41.89            | -3.30       | 54.0           | 12.11       | AV       | 39.00          | 300         | Horizontal | Pass    |
| 3   | 5282.800        | 100.77           | -2.58       | --             | --          | Peak     | 137.00         | 200         | Horizontal | N/A     |
| 3** | 5282.800        | 94.07            | -2.58       | --             | --          | AV       | 137.00         | 200         | Horizontal | N/A     |
| 4   | 7347.875        | 49.71            | -3.73       | 74.0           | 24.29       | Peak     | 170.00         | 200         | Horizontal | Pass    |
| 4** | 7347.875        | 39.85            | -3.73       | 54.0           | 14.15       | AV       | 170.00         | 200         | Horizontal | Pass    |
| 5   | 12329.675       | 53.00            | 1.42        | 74.0           | 21.00       | Peak     | 148.00         | 150         | Horizontal | Pass    |
| 5** | 12329.675       | 44.35            | 1.42        | 54.0           | 9.65        | AV       | 148.00         | 150         | Horizontal | Pass    |
| 6   | 15503.625       | 56.13            | 1.25        | 74.0           | 17.87       | Peak     | 208.00         | 300         | Horizontal | Pass    |
| 6** | 15503.625       | 45.97            | 1.25        | 54.0           | 8.03        | AV       | 208.00         | 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   | 1598.600        | 38.89            | -17.34      | 74.0           | 35.11       | Peak     | 38.00          | 300         | Vertical | Pass    |
| 1** | 1598.600        | 29.07            | -17.34      | 54.0           | 24.93       | AV       | 38.00          | 300         | Vertical | Pass    |
| 2   | 4380.000        | 49.94            | -3.32       | 74.0           | 24.06       | Peak     | 203.00         | 300         | Vertical | Pass    |
| 2** | 4380.000        | 42.69            | -3.32       | 54.0           | 11.31       | AV       | 203.00         | 300         | Vertical | Pass    |
| 3   | 5288.000        | 91.56            | -2.71       | --             | --          | Peak     | 148.00         | 150         | Vertical | N/A     |
| 3** | 5288.000        | 83.93            | -2.71       | --             | --          | AV       | 148.00         | 150         | Vertical | N/A     |
| 4   | 7610.075        | 49.33            | -2.88       | 74.0           | 24.67       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 4** | 7610.075        | 40.22            | -2.88       | 54.0           | 13.78       | AV       | 0.00           | 300         | Vertical | Pass    |
| 5   | 12245.437       | 53.17            | 1.01        | 74.0           | 20.83       | Peak     | 258.00         | 200         | Vertical | Pass    |
| 5** | 12245.437       | 43.61            | 1.01        | 54.0           | 10.39       | AV       | 258.00         | 200         | Vertical | Pass    |
| 6   | 16073.250       | 55.57            | 1.47        | 74.0           | 18.43       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 16073.250       | 47.34            | 1.47        | 54.0           | 6.66        | AV       | 0.00           | 200         | 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   | 1489.900        | 39.54            | -16.72      | 74.0           | 34.46       | Peak     | 59.00          | 400         | Horizontal | Pass    |
| 1** | 1489.900        | 29.74            | -16.72      | 54.0           | 24.26       | AV       | 59.00          | 400         | Horizontal | Pass    |
| 2   | 4389.600        | 50.39            | -3.34       | 74.0           | 23.61       | Peak     | 201.00         | 300         | Horizontal | Pass    |
| 2** | 4389.600        | 41.26            | -3.34       | 54.0           | 12.74       | AV       | 201.00         | 300         | Horizontal | Pass    |
| 3   | 5498.800        | 105.70           | -1.67       | --             | --          | Peak     | 170.00         | 100         | Horizontal | N/A     |
| 3** | 5498.800        | 97.48            | -1.67       | --             | --          | AV       | 170.00         | 100         | Horizontal | N/A     |
| 4   | 7341.550        | 49.81            | -3.12       | 74.0           | 24.19       | Peak     | 66.00          | 300         | Horizontal | Pass    |
| 4** | 7341.550        | 40.89            | -3.12       | 54.0           | 13.11       | AV       | 66.00          | 300         | Horizontal | Pass    |
| 5   | 12323.925       | 53.11            | 1.42        | 74.0           | 20.89       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 5** | 12323.925       | 44.10            | 1.42        | 54.0           | 9.90        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 6   | 15828.076       | 55.75            | 1.55        | 74.0           | 18.25       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 15828.076       | 46.20            | 1.55        | 54.0           | 7.80        | AV       | 360.00         | 200         | 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   | 1498.000        | 39.42            | -17.17      | 74.0           | 34.58       | Peak     | 111.00         | 100         | Vertical | Pass    |
| 1** | 1498.000        | 28.97            | -17.17      | 54.0           | 25.03       | AV       | 111.00         | 100         | Vertical | Pass    |
| 2   | 4386.600        | 50.55            | -3.30       | 74.0           | 23.45       | Peak     | 146.00         | 400         | Vertical | Pass    |
| 2** | 4386.600        | 42.15            | -3.30       | 54.0           | 11.85       | AV       | 146.00         | 400         | Vertical | Pass    |
| 3   | 5501.400        | 94.00            | -1.43       | --             | --          | Peak     | 28.00          | 100         | Vertical | N/A     |
| 3** | 5501.400        | 86.89            | -1.43       | --             | --          | AV       | 28.00          | 100         | Vertical | N/A     |
| 4   | 7626.462        | 49.84            | -2.69       | 74.0           | 24.16       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 4** | 7626.462        | 40.64            | -2.69       | 54.0           | 13.36       | AV       | 0.00           | 200         | Vertical | Pass    |
| 5   | 12433.463       | 52.87            | 1.65        | 74.0           | 21.13       | Peak     | 299.00         | 150         | Vertical | Pass    |
| 5** | 12433.463       | 43.23            | 1.65        | 54.0           | 10.77       | AV       | 299.00         | 150         | Vertical | Pass    |
| 6   | 15803.924       | 55.98            | 2.28        | 74.0           | 18.02       | Peak     | 71.00          | 400         | Vertical | Pass    |
| 6** | 15803.924       | 47.02            | 2.28        | 54.0           | 6.98        | AV       | 71.00          | 400         | 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   | 1471.500        | 39.51            | -17.42      | 74.0           | 34.49       | Peak     | 43.00          | 400         | Horizontal | Pass    |
| 1** | 1471.500        | 29.46            | -17.42      | 54.0           | 24.54       | AV       | 43.00          | 400         | Horizontal | Pass    |
| 2   | 4386.600        | 51.06            | -3.30       | 74.0           | 22.94       | Peak     | 21.00          | 400         | Horizontal | Pass    |
| 2** | 4386.600        | 42.24            | -3.30       | 54.0           | 11.76       | AV       | 21.00          | 400         | Horizontal | Pass    |
| 3   | 5579.200        | 105.27           | -1.63       | --             | --          | Peak     | 170.00         | 100         | Horizontal | N/A     |
| 3** | 5579.200        | 98.92            | -1.63       | --             | --          | AV       | 170.00         | 100         | Horizontal | N/A     |
| 4   | 7381.513        | 49.31            | -3.39       | 74.0           | 24.69       | Peak     | 30.00          | 100         | Horizontal | Pass    |
| 4** | 7381.513        | 40.94            | -3.39       | 54.0           | 13.06       | AV       | 30.00          | 100         | Horizontal | Pass    |
| 5   | 12492.975       | 53.11            | 1.66        | 74.0           | 20.89       | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 5** | 12492.975       | 43.63            | 1.66        | 54.0           | 10.37       | AV       | 267.00         | 150         | Horizontal | Pass    |
| 6   | 15849.600       | 55.89            | 1.33        | 74.0           | 18.11       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 15849.600       | 46.79            | 1.33        | 54.0           | 7.21        | AV       | 360.00         | 200         | 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   | 1496.000        | 39.27            | -16.84      | 74.0           | 34.73       | Peak     | 92.00          | 300         | Vertical | Pass    |
| 1** | 1496.000        | 29.84            | -16.84      | 54.0           | 24.16       | AV       | 92.00          | 300         | Vertical | Pass    |
| 2   | 4385.600        | 50.10            | -3.36       | 74.0           | 23.90       | Peak     | 25.00          | 400         | Vertical | Pass    |
| 2** | 4385.600        | 41.78            | -3.36       | 54.0           | 12.22       | AV       | 25.00          | 400         | Vertical | Pass    |
| 3   | 5582.000        | 95.80            | -1.73       | --             | --          | Peak     | 66.00          | 200         | Vertical | N/A     |
| 3** | 5582.000        | 88.41            | -1.73       | --             | --          | AV       | 66.00          | 200         | Vertical | N/A     |
| 4   | 7336.088        | 49.53            | -3.18       | 74.0           | 24.47       | Peak     | 232.00         | 300         | Vertical | Pass    |
| 4** | 7336.088        | 40.22            | -3.18       | 54.0           | 13.78       | AV       | 232.00         | 300         | Vertical | Pass    |
| 5   | 11915.963       | 53.61            | 1.49        | 74.0           | 20.39       | Peak     | 274.00         | 200         | Vertical | Pass    |
| 5** | 11915.963       | 43.65            | 1.49        | 54.0           | 10.35       | AV       | 274.00         | 200         | Vertical | Pass    |
| 6   | 15832.800       | 56.59            | 1.47        | 74.0           | 17.41       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 15832.800       | 47.56            | 1.47        | 54.0           | 6.44        | AV       | 0.00           | 200         | 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   | 1443.200        | 38.73            | -17.01      | 74.0           | 35.27       | Peak     | 124.00         | 300         | Horizontal | Pass    |
| 1** | 1443.200        | 29.70            | -17.01      | 54.0           | 24.30       | AV       | 124.00         | 300         | Horizontal | Pass    |
| 2   | 4380.800        | 49.77            | -3.46       | 74.0           | 24.23       | Peak     | 307.00         | 100         | Horizontal | Pass    |
| 2** | 4380.800        | 41.69            | -3.46       | 54.0           | 12.31       | AV       | 307.00         | 100         | Horizontal | Pass    |
| 3   | 5701.000        | 105.61           | -1.44       | --             | --          | Peak     | 148.00         | 100         | Horizontal | N/A     |
| 3** | 5701.000        | 98.41            | -1.44       | --             | --          | AV       | 148.00         | 100         | Horizontal | N/A     |
| 4   | 7627.612        | 49.53            | -2.79       | 74.0           | 24.47       | Peak     | 156.00         | 400         | Horizontal | Pass    |
| 4** | 7627.612        | 40.43            | -2.79       | 54.0           | 13.57       | AV       | 156.00         | 400         | Horizontal | Pass    |
| 5   | 11848.974       | 53.10            | 1.13        | 74.0           | 20.90       | Peak     | 195.00         | 100         | Horizontal | Pass    |
| 5** | 11848.974       | 42.67            | 1.13        | 54.0           | 11.33       | AV       | 195.00         | 100         | Horizontal | Pass    |
| 6   | 15624.375       | 55.72            | 1.71        | 74.0           | 18.28       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 6** | 15624.375       | 46.24            | 1.71        | 54.0           | 7.76        | AV       | 0.00           | 100         | 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   | 1459.100        | 39.71            | -17.01      | 74.0           | 34.29       | Peak     | 12.00          | 400         | Vertical | Pass    |
| 1** | 1459.100        | 29.39            | -17.01      | 54.0           | 24.61       | AV       | 12.00          | 400         | Vertical | Pass    |
| 2   | 4380.000        | 50.54            | -3.32       | 74.0           | 23.46       | Peak     | 274.00         | 100         | Vertical | Pass    |
| 2** | 4380.000        | 41.30            | -3.32       | 54.0           | 12.70       | AV       | 274.00         | 100         | Vertical | Pass    |
| 3   | 5698.200        | 96.39            | -1.08       | --             | --          | Peak     | 71.00          | 100         | Vertical | N/A     |
| 3** | 5698.200        | 89.12            | -1.08       | --             | --          | AV       | 71.00          | 100         | Vertical | N/A     |
| 4   | 7338.100        | 50.22            | -2.89       | 74.0           | 23.78       | Peak     | 33.00          | 100         | Vertical | Pass    |
| 4** | 7338.100        | 40.92            | -2.89       | 54.0           | 13.08       | AV       | 33.00          | 100         | Vertical | Pass    |
| 5   | 12321.050       | 53.92            | 1.42        | 74.0           | 20.08       | Peak     | 185.00         | 150         | Vertical | Pass    |
| 5** | 12321.050       | 44.05            | 1.42        | 54.0           | 9.95        | AV       | 185.00         | 150         | Vertical | Pass    |
| 6   | 15844.350       | 55.63            | 1.38        | 74.0           | 18.37       | Peak     | 6.00           | 100         | Vertical | Pass    |
| 6** | 15844.350       | 47.48            | 1.38        | 54.0           | 6.52        | AV       | 6.00           | 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   | 1572.700        | 38.78            | -17.07      | 74.0           | 35.22       | Peak     | 42.00          | 100         | Horizontal | Pass    |
| 1** | 1572.700        | 29.78            | -17.07      | 54.0           | 24.22       | AV       | 42.00          | 100         | Horizontal | Pass    |
| 2   | 4369.600        | 50.33            | -3.97       | 74.0           | 23.67       | Peak     | 323.00         | 400         | Horizontal | Pass    |
| 2** | 4369.600        | 41.21            | -3.97       | 54.0           | 12.79       | AV       | 323.00         | 400         | Horizontal | Pass    |
| 3   | 5501.200        | 106.53           | -1.47       | --             | --          | Peak     | 177.00         | 100         | Horizontal | N/A     |
| 3** | 5501.200        | 99.44            | -1.47       | --             | --          | AV       | 177.00         | 100         | Horizontal | N/A     |
| 4   | 7603.463        | 49.62            | -2.74       | 74.0           | 24.38       | Peak     | 197.00         | 100         | Horizontal | Pass    |
| 4** | 7603.463        | 39.87            | -2.74       | 54.0           | 14.13       | AV       | 197.00         | 100         | Horizontal | Pass    |
| 5   | 12319.901       | 53.04            | 1.42        | 74.0           | 20.96       | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 5** | 12319.901       | 43.20            | 1.42        | 54.0           | 10.80       | AV       | 162.00         | 150         | Horizontal | Pass    |
| 6   | 15849.075       | 55.96            | 1.34        | 74.0           | 18.04       | Peak     | 80.00          | 100         | Horizontal | Pass    |
| 6** | 15849.075       | 46.63            | 1.34        | 54.0           | 7.37        | AV       | 80.00          | 100         | 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   | 1514.000        | 39.41            | -17.23      | 74.0           | 34.59       | Peak     | 93.00          | 100         | Vertical | Pass    |
| 1** | 1514.000        | 29.76            | -17.23      | 54.0           | 24.24       | AV       | 93.00          | 100         | Vertical | Pass    |
| 2   | 4379.200        | 51.49            | -3.34       | 74.0           | 22.51       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 4379.200        | 41.88            | -3.34       | 54.0           | 12.12       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 5499.000        | 94.91            | -1.68       | --             | --          | Peak     | 154.00         | 200         | Vertical | N/A     |
| 3** | 5499.000        | 87.15            | -1.68       | --             | --          | AV       | 154.00         | 200         | Vertical | N/A     |
| 4   | 7339.825        | 49.54            | -2.95       | 74.0           | 24.46       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 4** | 7339.825        | 40.57            | -2.95       | 54.0           | 13.43       | AV       | 0.00           | 300         | Vertical | Pass    |
| 5   | 11502.250       | 53.10            | -0.01       | 74.0           | 20.90       | Peak     | 326.00         | 100         | Vertical | Pass    |
| 5** | 11502.250       | 42.98            | -0.01       | 54.0           | 11.02       | AV       | 326.00         | 100         | Vertical | Pass    |
| 6   | 16081.125       | 55.74            | 1.62        | 74.0           | 18.26       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 6** | 16081.125       | 47.08            | 1.62        | 54.0           | 6.92        | AV       | 360.00         | 400         | 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   | 1495.500        | 39.34            | -16.85      | 74.0           | 34.66       | Peak     | 177.00         | 100         | Horizontal | Pass    |
| 1** | 1495.500        | 29.52            | -16.85      | 54.0           | 24.48       | AV       | 177.00         | 100         | Horizontal | Pass    |
| 2   | 4397.200        | 50.24            | -4.14       | 74.0           | 23.76       | Peak     | 299.00         | 300         | Horizontal | Pass    |
| 2** | 4397.200        | 40.28            | -4.14       | 54.0           | 13.72       | AV       | 299.00         | 300         | Horizontal | Pass    |
| 3   | 5580.600        | 104.96           | -1.69       | --             | --          | Peak     | 184.00         | 200         | Horizontal | N/A     |
| 3** | 5580.600        | 97.06            | -1.69       | --             | --          | AV       | 184.00         | 200         | Horizontal | N/A     |
| 4   | 7715.300        | 49.33            | -2.54       | 74.0           | 24.67       | Peak     | 169.00         | 100         | Horizontal | Pass    |
| 4** | 7715.300        | 40.04            | -2.54       | 54.0           | 13.96       | AV       | 169.00         | 100         | Horizontal | Pass    |
| 5   | 12268.724       | 53.09            | 1.41        | 74.0           | 20.91       | Peak     | 48.00          | 200         | Horizontal | Pass    |
| 5** | 12268.724       | 43.89            | 1.41        | 54.0           | 10.11       | AV       | 48.00          | 200         | Horizontal | Pass    |
| 6   | 15663.750       | 55.54            | 1.32        | 74.0           | 18.46       | Peak     | 21.00          | 200         | Horizontal | Pass    |
| 6** | 15663.750       | 46.30            | 1.32        | 54.0           | 7.70        | AV       | 21.00          | 200         | 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   | 1447.300        | 39.34            | -17.18      | 74.0           | 34.66       | Peak     | 115.00         | 200         | Vertical | Pass    |
| 1** | 1447.300        | 29.40            | -17.18      | 54.0           | 24.60       | AV       | 115.00         | 200         | Vertical | Pass    |
| 2   | 4336.600        | 49.97            | -4.37       | 74.0           | 24.03       | Peak     | 20.00          | 300         | Vertical | Pass    |
| 2** | 4336.600        | 39.17            | -4.37       | 54.0           | 14.83       | AV       | 20.00          | 300         | Vertical | Pass    |
| 3   | 5578.400        | 95.46            | -1.60       | --             | --          | Peak     | 99.00          | 150         | Vertical | N/A     |
| 3** | 5578.400        | 87.95            | -1.60       | --             | --          | AV       | 99.00          | 150         | Vertical | N/A     |
| 4   | 7338.675        | 49.72            | -2.91       | 74.0           | 24.28       | Peak     | 117.00         | 200         | Vertical | Pass    |
| 4** | 7338.675        | 40.94            | -2.91       | 54.0           | 13.06       | AV       | 117.00         | 200         | Vertical | Pass    |
| 5   | 12298.338       | 53.85            | 1.51        | 74.0           | 20.15       | Peak     | 344.00         | 100         | Vertical | Pass    |
| 5** | 12298.338       | 43.54            | 1.51        | 54.0           | 10.46       | AV       | 344.00         | 100         | Vertical | Pass    |
| 6   | 16133.625       | 55.90            | 1.05        | 74.0           | 18.10       | Peak     | 154.00         | 200         | Vertical | Pass    |
| 6** | 16133.625       | 46.90            | 1.05        | 54.0           | 7.10        | AV       | 154.00         | 200         | 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   | 1582.500        | 39.16            | -17.12      | 74.0           | 34.84       | Peak     | 175.00         | 200         | Horizontal | Pass    |
| 1** | 1582.500        | 29.43            | -17.12      | 54.0           | 24.57       | AV       | 175.00         | 200         | Horizontal | Pass    |
| 2   | 4380.200        | 50.18            | -3.35       | 74.0           | 23.82       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 4380.200        | 41.43            | -3.35       | 54.0           | 12.57       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 5700.600        | 105.50           | -1.32       | --             | --          | Peak     | 186.00         | 100         | Horizontal | N/A     |
| 3** | 5700.600        | 97.75            | -1.32       | --             | --          | AV       | 186.00         | 100         | Horizontal | N/A     |
| 4   | 7408.250        | 49.54            | -3.84       | 74.0           | 24.46       | Peak     | 220.00         | 400         | Horizontal | Pass    |
| 4** | 7408.250        | 39.75            | -3.84       | 54.0           | 14.25       | AV       | 220.00         | 400         | Horizontal | Pass    |
| 5   | 12598.200       | 53.19            | 1.86        | 74.0           | 20.81       | Peak     | 27.00          | 200         | Horizontal | Pass    |
| 5** | 12598.200       | 44.02            | 1.86        | 54.0           | 9.98        | AV       | 27.00          | 200         | Horizontal | Pass    |
| 6   | 15668.213       | 55.91            | 1.40        | 74.0           | 18.09       | Peak     | 135.00         | 300         | Horizontal | Pass    |
| 6** | 15668.213       | 45.98            | 1.40        | 54.0           | 8.02        | AV       | 135.00         | 300         | 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   | 1590.600        | 38.53            | -17.27      | 74.0           | 35.47       | Peak     | 74.00          | 300         | Vertical | Pass    |
| 1** | 1590.600        | 29.47            | -17.27      | 54.0           | 24.53       | AV       | 74.00          | 300         | Vertical | Pass    |
| 2   | 4297.800        | 49.92            | -4.03       | 74.0           | 24.08       | Peak     | 69.00          | 100         | Vertical | Pass    |
| 2** | 4297.800        | 40.49            | -4.03       | 54.0           | 13.51       | AV       | 69.00          | 100         | Vertical | Pass    |
| 3   | 5703.000        | 96.43            | -1.66       | --             | --          | Peak     | 55.00          | 200         | Vertical | N/A     |
| 3** | 5703.000        | 89.02            | -1.66       | --             | --          | AV       | 55.00          | 200         | Vertical | N/A     |
| 4   | 7349.600        | 49.81            | -3.67       | 74.0           | 24.19       | Peak     | 339.00         | 200         | Vertical | Pass    |
| 4** | 7349.600        | 40.26            | -3.67       | 54.0           | 13.74       | AV       | 339.00         | 200         | Vertical | Pass    |
| 5   | 12611.425       | 53.51            | 1.89        | 74.0           | 20.49       | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 12611.425       | 43.51            | 1.89        | 54.0           | 10.49       | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15515.963       | 56.18            | 1.40        | 74.0           | 17.82       | Peak     | 29.00          | 100         | Vertical | Pass    |
| 6** | 15515.963       | 46.42            | 1.40        | 54.0           | 7.58        | AV       | 29.00          | 100         | 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   | 1505.800        | 39.65            | -16.83      | 74.0           | 34.35       | Peak     | 117.00         | 400         | Horizontal | Pass    |
| 1** | 1505.800        | 29.80            | -16.83      | 54.0           | 24.20       | AV       | 117.00         | 400         | Horizontal | Pass    |
| 2   | 4386.600        | 49.93            | -3.30       | 74.0           | 24.07       | Peak     | 126.00         | 300         | Horizontal | Pass    |
| 2** | 4386.600        | 41.81            | -3.30       | 54.0           | 12.19       | AV       | 126.00         | 300         | Horizontal | Pass    |
| 3   | 5504.600        | 104.33           | -1.23       | --             | --          | Peak     | 178.00         | 150         | Horizontal | N/A     |
| 3** | 5504.600        | 95.40            | -1.23       | --             | --          | AV       | 178.00         | 150         | Horizontal | N/A     |
| 4   | 7342.700        | 49.81            | -3.27       | 74.0           | 24.19       | Peak     | 118.00         | 400         | Horizontal | Pass    |
| 4** | 7342.700        | 40.97            | -3.27       | 54.0           | 13.03       | AV       | 118.00         | 400         | Horizontal | Pass    |
| 5   | 12281.375       | 53.89            | 1.80        | 74.0           | 20.11       | Peak     | 97.00          | 200         | Horizontal | Pass    |
| 5** | 12281.375       | 44.37            | 1.80        | 54.0           | 9.63        | AV       | 97.00          | 200         | Horizontal | Pass    |
| 6   | 15854.588       | 55.67            | 1.20        | 74.0           | 18.33       | Peak     | 23.00          | 300         | Horizontal | Pass    |
| 6** | 15854.588       | 45.92            | 1.20        | 54.0           | 8.08        | AV       | 23.00          | 300         | 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   | 1486.400        | 39.09            | -16.72      | 74.0           | 34.91       | Peak     | 327.00         | 300         | Vertical | Pass    |
| 1** | 1486.400        | 29.76            | -16.72      | 54.0           | 24.24       | AV       | 327.00         | 300         | Vertical | Pass    |
| 2   | 4384.200        | 50.50            | -3.61       | 74.0           | 23.50       | Peak     | 269.00         | 100         | Vertical | Pass    |
| 2** | 4384.200        | 41.45            | -3.61       | 54.0           | 12.55       | AV       | 269.00         | 100         | Vertical | Pass    |
| 3   | 5512.400        | 91.85            | -0.95       | --             | --          | Peak     | 43.00          | 100         | Vertical | N/A     |
| 3** | 5512.400        | 84.42            | -0.95       | --             | --          | AV       | 43.00          | 100         | Vertical | N/A     |
| 4   | 7340.975        | 49.42            | -3.07       | 74.0           | 24.58       | Peak     | 274.00         | 400         | Vertical | Pass    |
| 4** | 7340.975        | 40.72            | -3.07       | 54.0           | 13.28       | AV       | 274.00         | 400         | Vertical | Pass    |
| 5   | 12657.424       | 53.24            | 1.00        | 74.0           | 20.76       | Peak     | 220.00         | 200         | Vertical | Pass    |
| 5** | 12657.424       | 43.26            | 1.00        | 54.0           | 10.74       | AV       | 220.00         | 200         | Vertical | Pass    |
| 6   | 15827.025       | 55.38            | 1.58        | 74.0           | 18.62       | Peak     | 162.00         | 400         | Vertical | Pass    |
| 6** | 15827.025       | 46.36            | 1.58        | 54.0           | 7.64        | AV       | 162.00         | 400         | 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   | 1589.100        | 38.91            | -17.16      | 74.0           | 35.09       | Peak     | 36.00          | 400         | Horizontal | Pass    |
| 1** | 1589.100        | 30.17            | -17.16      | 54.0           | 23.83       | AV       | 36.00          | 400         | Horizontal | Pass    |
| 2   | 4380.000        | 51.71            | -3.32       | 74.0           | 22.29       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 2** | 4380.000        | 41.98            | -3.32       | 54.0           | 12.02       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 3   | 5587.000        | 102.48           | -1.75       | --             | --          | Peak     | 158.00         | 100         | Horizontal | N/A     |
| 3** | 5587.000        | 94.84            | -1.75       | --             | --          | AV       | 158.00         | 100         | Horizontal | N/A     |
| 4   | 7323.725        | 49.30            | -3.39       | 74.0           | 24.70       | Peak     | 136.00         | 400         | Horizontal | Pass    |
| 4** | 7323.725        | 40.53            | -3.39       | 54.0           | 13.47       | AV       | 136.00         | 400         | Horizontal | Pass    |
| 5   | 12066.037       | 52.80            | 0.87        | 74.0           | 21.20       | Peak     | 213.00         | 150         | Horizontal | Pass    |
| 5** | 12066.037       | 43.24            | 0.87        | 54.0           | 10.76       | AV       | 213.00         | 150         | Horizontal | Pass    |
| 6   | 15806.287       | 56.18            | 2.24        | 74.0           | 17.82       | Peak     | 263.00         | 100         | Horizontal | Pass    |
| 6** | 15806.287       | 46.66            | 2.24        | 54.0           | 7.34        | AV       | 263.00         | 100         | 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   | 1459.300        | 39.31            | -17.02      | 74.0           | 34.69       | Peak     | 123.00         | 300         | Vertical | Pass    |
| 1** | 1459.300        | 29.28            | -17.02      | 54.0           | 24.72       | AV       | 123.00         | 300         | Vertical | Pass    |
| 2   | 4372.800        | 50.22            | -3.94       | 74.0           | 23.78       | Peak     | 159.00         | 200         | Vertical | Pass    |
| 2** | 4372.800        | 41.00            | -3.94       | 54.0           | 13.00       | AV       | 159.00         | 200         | Vertical | Pass    |
| 3   | 5591.200        | 92.41            | -2.21       | --             | --          | Peak     | 44.00          | 150         | Vertical | N/A     |
| 3** | 5591.200        | 84.69            | -2.21       | --             | --          | AV       | 44.00          | 150         | Vertical | N/A     |
| 4   | 7687.413        | 49.27            | -2.12       | 74.0           | 24.73       | Peak     | 300.00         | 400         | Vertical | Pass    |
| 4** | 7687.413        | 40.83            | -2.12       | 54.0           | 13.17       | AV       | 300.00         | 400         | Vertical | Pass    |
| 5   | 12290.288       | 53.26            | 1.66        | 74.0           | 20.74       | Peak     | 194.00         | 150         | Vertical | Pass    |
| 5** | 12290.288       | 44.97            | 1.66        | 54.0           | 9.03        | AV       | 194.00         | 150         | Vertical | Pass    |
| 6   | 15845.925       | 55.50            | 1.36        | 74.0           | 18.50       | Peak     | 211.00         | 200         | Vertical | Pass    |
| 6** | 15845.925       | 46.55            | 1.36        | 54.0           | 7.45        | AV       | 211.00         | 200         | 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   | 1508.600        | 39.98            | -17.12      | 74.0           | 34.02       | Peak     | 148.00         | 100         | Horizontal | Pass    |
| 1** | 1508.600        | 29.31            | -17.12      | 54.0           | 24.69       | AV       | 148.00         | 100         | Horizontal | Pass    |
| 2   | 4369.000        | 50.22            | -3.88       | 74.0           | 23.78       | Peak     | 221.00         | 100         | Horizontal | Pass    |
| 2** | 4369.000        | 40.82            | -3.88       | 54.0           | 13.18       | AV       | 221.00         | 100         | Horizontal | Pass    |
| 3   | 5666.400        | 102.75           | -2.47       | --             | --          | Peak     | 181.00         | 100         | Horizontal | N/A     |
| 3** | 5666.400        | 94.82            | -2.47       | --             | --          | AV       | 181.00         | 100         | Horizontal | N/A     |
| 4   | 7279.737        | 49.71            | -3.03       | 74.0           | 24.29       | Peak     | 252.00         | 300         | Horizontal | Pass    |
| 4** | 7279.737        | 39.85            | -3.03       | 54.0           | 14.15       | AV       | 252.00         | 300         | Horizontal | Pass    |
| 5   | 12219.563       | 52.88            | 1.22        | 74.0           | 21.12       | Peak     | 101.00         | 100         | Horizontal | Pass    |
| 5** | 12219.563       | 43.10            | 1.22        | 54.0           | 10.90       | AV       | 101.00         | 100         | Horizontal | Pass    |
| 6   | 15848.813       | 55.63            | 1.34        | 74.0           | 18.37       | Peak     | 347.00         | 200         | Horizontal | Pass    |
| 6** | 15848.813       | 46.82            | 1.34        | 54.0           | 7.18        | AV       | 347.00         | 200         | 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   | 1497.400        | 40.85            | -17.06      | 74.0           | 33.15       | Peak     | 91.00          | 300         | Vertical | Pass    |
| 1** | 1497.400        | 30.54            | -17.06      | 54.0           | 23.46       | AV       | 91.00          | 300         | Vertical | Pass    |
| 2   | 4381.000        | 50.34            | -3.49       | 74.0           | 23.66       | Peak     | 21.00          | 100         | Vertical | Pass    |
| 2** | 4381.000        | 42.18            | -3.49       | 54.0           | 11.82       | AV       | 21.00          | 100         | Vertical | Pass    |
| 3   | 5671.800        | 93.40            | -2.29       | --             | --          | Peak     | 141.00         | 100         | Vertical | N/A     |
| 3** | 5671.800        | 86.23            | -2.29       | --             | --          | AV       | 141.00         | 100         | Vertical | N/A     |
| 4   | 7445.913        | 49.48            | -3.12       | 74.0           | 24.52       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 4** | 7445.913        | 40.49            | -3.12       | 54.0           | 13.51       | AV       | 360.00         | 400         | Vertical | Pass    |
| 5   | 12603.662       | 52.99            | 1.91        | 74.0           | 21.01       | Peak     | 4.00           | 100         | Vertical | Pass    |
| 5** | 12603.662       | 43.63            | 1.91        | 54.0           | 10.37       | AV       | 4.00           | 100         | Vertical | Pass    |
| 6   | 15864.300       | 56.26            | 0.83        | 74.0           | 17.74       | Peak     | 309.00         | 100         | Vertical | Pass    |
| 6** | 15864.300       | 45.79            | 0.83        | 54.0           | 8.21        | AV       | 309.00         | 100         | 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   | 1546.200        | 38.90            | -17.26      | 74.0           | 35.10       | Peak     | 271.00         | 200         | Horizontal | Pass    |
| 1** | 1546.200        | 29.28            | -17.26      | 54.0           | 24.72       | AV       | 271.00         | 200         | Horizontal | Pass    |
| 2   | 4391.200        | 50.04            | -3.40       | 74.0           | 23.96       | Peak     | 224.00         | 400         | Horizontal | Pass    |
| 2** | 4391.200        | 41.26            | -3.40       | 54.0           | 12.74       | AV       | 224.00         | 400         | Horizontal | Pass    |
| 3   | 5501.600        | 105.86           | -1.40       | --             | --          | Peak     | 181.00         | 100         | Horizontal | N/A     |
| 3** | 5501.600        | 98.69            | -1.40       | --             | --          | AV       | 181.00         | 100         | Horizontal | N/A     |
| 4   | 7323.438        | 49.35            | -3.37       | 74.0           | 24.65       | Peak     | 327.00         | 100         | Horizontal | Pass    |
| 4** | 7323.438        | 40.45            | -3.37       | 54.0           | 13.55       | AV       | 327.00         | 100         | Horizontal | Pass    |
| 5   | 12605.388       | 53.15            | 1.91        | 74.0           | 20.85       | Peak     | 144.00         | 150         | Horizontal | Pass    |
| 5** | 12605.388       | 43.67            | 1.91        | 54.0           | 10.33       | AV       | 144.00         | 150         | Horizontal | Pass    |
| 6   | 15798.938       | 55.61            | 2.30        | 74.0           | 18.39       | Peak     | 334.00         | 100         | Horizontal | Pass    |
| 6** | 15798.938       | 46.46            | 2.30        | 54.0           | 7.54        | AV       | 334.00         | 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   | 1461.000        | 38.95            | -17.19      | 74.0           | 35.05       | Peak     | 78.00          | 100         | Vertical | Pass    |
| 1** | 1461.000        | 29.03            | -17.19      | 54.0           | 24.97       | AV       | 78.00          | 100         | Vertical | Pass    |
| 2   | 4385.400        | 50.27            | -3.40       | 74.0           | 23.73       | Peak     | 339.00         | 100         | Vertical | Pass    |
| 2** | 4385.400        | 41.75            | -3.40       | 54.0           | 12.25       | AV       | 339.00         | 100         | Vertical | Pass    |
| 3   | 5502.800        | 93.63            | -1.37       | --             | --          | Peak     | 95.00          | 100         | Vertical | N/A     |
| 3** | 5502.800        | 86.11            | -1.37       | --             | --          | AV       | 95.00          | 100         | Vertical | N/A     |
| 4   | 7741.750        | 49.68            | -3.01       | 74.0           | 24.32       | Peak     | 200.00         | 200         | Vertical | Pass    |
| 4** | 7741.750        | 39.26            | -3.01       | 54.0           | 14.74       | AV       | 200.00         | 200         | Vertical | Pass    |
| 5   | 12211.225       | 52.93            | 1.06        | 74.0           | 21.07       | Peak     | 28.00          | 200         | Vertical | Pass    |
| 5** | 12211.225       | 43.81            | 1.06        | 54.0           | 10.19       | AV       | 28.00          | 200         | Vertical | Pass    |
| 6   | 15793.424       | 55.81            | 2.12        | 74.0           | 18.19       | Peak     | 347.00         | 400         | Vertical | Pass    |
| 6** | 15793.424       | 46.41            | 2.12        | 54.0           | 7.59        | AV       | 347.00         | 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   | 1493.700        | 39.29            | -16.88      | 74.0           | 34.71       | Peak     | 309.00         | 400         | Horizontal | Pass    |
| 1** | 1493.700        | 29.26            | -16.88      | 54.0           | 24.74       | AV       | 309.00         | 400         | Horizontal | Pass    |
| 2   | 4386.000        | 50.75            | -3.30       | 74.0           | 23.25       | Peak     | 275.00         | 200         | Horizontal | Pass    |
| 2** | 4386.000        | 41.25            | -3.30       | 54.0           | 12.75       | AV       | 275.00         | 200         | Horizontal | Pass    |
| 3   | 5579.000        | 105.04           | -1.62       | --             | --          | Peak     | 176.00         | 100         | Horizontal | N/A     |
| 3** | 5579.000        | 97.77            | -1.62       | --             | --          | AV       | 176.00         | 100         | Horizontal | N/A     |
| 4   | 7574.425        | 49.43            | -3.05       | 74.0           | 24.57       | Peak     | 329.00         | 200         | Horizontal | Pass    |
| 4** | 7574.425        | 39.37            | -3.05       | 54.0           | 14.63       | AV       | 329.00         | 200         | Horizontal | Pass    |
| 5   | 12323.925       | 52.95            | 1.42        | 74.0           | 21.05       | Peak     | 185.00         | 150         | Horizontal | Pass    |
| 5** | 12323.925       | 44.61            | 1.42        | 54.0           | 9.39        | AV       | 185.00         | 150         | Horizontal | Pass    |
| 6   | 16190.588       | 55.44            | 1.58        | 74.0           | 18.56       | Peak     | 303.00         | 100         | Horizontal | Pass    |
| 6** | 16190.588       | 46.15            | 1.58        | 54.0           | 7.85        | AV       | 303.00         | 100         | 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   | 1586.400        | 38.97            | -16.89      | 74.0           | 35.03       | Peak     | 143.00         | 200         | Vertical | Pass    |
| 1** | 1586.400        | 30.60            | -16.89      | 54.0           | 23.40       | AV       | 143.00         | 200         | Vertical | Pass    |
| 2   | 4396.000        | 50.79            | -3.96       | 74.0           | 23.21       | Peak     | 255.00         | 300         | Vertical | Pass    |
| 2** | 4396.000        | 40.92            | -3.96       | 54.0           | 13.08       | AV       | 255.00         | 300         | Vertical | Pass    |
| 3   | 5581.000        | 94.81            | -1.70       | --             | --          | Peak     | 349.00         | 150         | Vertical | N/A     |
| 3** | 5581.000        | 87.00            | -1.70       | --             | --          | AV       | 349.00         | 150         | Vertical | N/A     |
| 4   | 7339.825        | 49.75            | -2.95       | 74.0           | 24.25       | Peak     | 262.00         | 300         | Vertical | Pass    |
| 4** | 7339.825        | 40.72            | -2.95       | 54.0           | 13.28       | AV       | 262.00         | 300         | Vertical | Pass    |
| 5   | 12312.138       | 53.02            | 1.38        | 74.0           | 20.98       | Peak     | 337.00         | 200         | Vertical | Pass    |
| 5** | 12312.138       | 44.17            | 1.38        | 54.0           | 9.83        | AV       | 337.00         | 200         | Vertical | Pass    |
| 6   | 15841.724       | 56.15            | 1.42        | 74.0           | 17.85       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 6** | 15841.724       | 47.08            | 1.42        | 54.0           | 6.92        | AV       | 360.00         | 200         | 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   | 1561.700        | 38.70            | -16.78      | 74.0           | 35.30       | Peak     | 256.00         | 100         | Horizontal | Pass    |
| 1** | 1561.700        | 29.98            | -16.78      | 54.0           | 24.02       | AV       | 256.00         | 100         | Horizontal | Pass    |
| 2   | 4281.600        | 50.39            | -4.87       | 74.0           | 23.61       | Peak     | 219.00         | 300         | Horizontal | Pass    |
| 2** | 4281.600        | 40.29            | -4.87       | 54.0           | 13.71       | AV       | 219.00         | 300         | Horizontal | Pass    |
| 3   | 5701.800        | 105.45           | -1.60       | --             | --          | Peak     | 162.00         | 200         | Horizontal | N/A     |
| 3** | 5701.800        | 99.16            | -1.60       | --             | --          | AV       | 162.00         | 200         | Horizontal | N/A     |
| 4   | 7341.263        | 50.17            | -3.09       | 74.0           | 23.83       | Peak     | 14.00          | 300         | Horizontal | Pass    |
| 4** | 7341.263        | 40.90            | -3.09       | 54.0           | 13.10       | AV       | 14.00          | 300         | Horizontal | Pass    |
| 5   | 12272.463       | 52.88            | 1.53        | 74.0           | 21.12       | Peak     | 208.00         | 200         | Horizontal | Pass    |
| 5** | 12272.463       | 43.99            | 1.53        | 54.0           | 10.01       | AV       | 208.00         | 200         | Horizontal | Pass    |
| 6   | 15848.025       | 56.68            | 1.35        | 74.0           | 17.32       | Peak     | 194.00         | 200         | Horizontal | Pass    |
| 6** | 15848.025       | 46.08            | 1.35        | 54.0           | 7.92        | AV       | 194.00         | 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   | 1582.300        | 39.14            | -17.11      | 74.0           | 34.86       | Peak     | 316.00         | 100         | Vertical | Pass    |
| 1** | 1582.300        | 29.10            | -17.11      | 54.0           | 24.90       | AV       | 316.00         | 100         | Vertical | Pass    |
| 2   | 4392.200        | 49.94            | -3.53       | 74.0           | 24.06       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 4392.200        | 41.44            | -3.53       | 54.0           | 12.56       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 5699.200        | 97.58            | -0.96       | --             | --          | Peak     | 69.00          | 200         | Vertical | N/A     |
| 3** | 5699.200        | 90.36            | -0.96       | --             | --          | AV       | 69.00          | 200         | Vertical | N/A     |
| 4   | 7332.350        | 49.59            | -3.24       | 74.0           | 24.41       | Peak     | 326.00         | 300         | Vertical | Pass    |
| 4** | 7332.350        | 40.81            | -3.24       | 54.0           | 13.19       | AV       | 326.00         | 300         | Vertical | Pass    |
| 5   | 12284.250       | 52.95            | 1.78        | 74.0           | 21.05       | Peak     | 270.00         | 200         | Vertical | Pass    |
| 5** | 12284.250       | 44.80            | 1.78        | 54.0           | 9.20        | AV       | 270.00         | 200         | Vertical | Pass    |
| 6   | 16035.713       | 56.14            | 0.76        | 74.0           | 17.86       | Peak     | 119.00         | 300         | Vertical | Pass    |
| 6** | 16035.713       | 45.84            | 0.76        | 54.0           | 8.16        | AV       | 119.00         | 300         | 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   | 1561.600        | 40.08            | -16.79      | 74.0           | 33.92       | Peak     | 119.00         | 200         | Horizontal | Pass    |
| 1** | 1561.600        | 29.64            | -16.79      | 54.0           | 24.36       | AV       | 119.00         | 200         | Horizontal | Pass    |
| 2   | 4379.200        | 50.57            | -3.34       | 74.0           | 23.43       | Peak     | 130.00         | 400         | Horizontal | Pass    |
| 2** | 4379.200        | 41.63            | -3.34       | 54.0           | 12.37       | AV       | 130.00         | 400         | Horizontal | Pass    |
| 3   | 5505.200        | 103.65           | -1.14       | --             | --          | Peak     | 184.00         | 200         | Horizontal | N/A     |
| 3** | 5505.200        | 95.21            | -1.14       | --             | --          | AV       | 184.00         | 200         | Horizontal | N/A     |
| 4   | 7633.650        | 49.64            | -2.93       | 74.0           | 24.36       | Peak     | 164.00         | 200         | Horizontal | Pass    |
| 4** | 7633.650        | 40.28            | -2.93       | 54.0           | 13.72       | AV       | 164.00         | 200         | Horizontal | Pass    |
| 5   | 12616.313       | 52.95            | 1.85        | 74.0           | 21.05       | Peak     | 128.00         | 100         | Horizontal | Pass    |
| 5** | 12616.313       | 44.46            | 1.85        | 54.0           | 9.54        | AV       | 128.00         | 100         | Horizontal | Pass    |
| 6   | 15853.799       | 56.40            | 1.23        | 74.0           | 17.60       | Peak     | 40.00          | 300         | Horizontal | Pass    |
| 6** | 15853.799       | 46.42            | 1.23        | 54.0           | 7.58        | AV       | 40.00          | 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   | 1490.400        | 38.83            | -16.76      | 74.0           | 35.17       | Peak     | 301.00         | 200         | Vertical | Pass    |
| 1** | 1490.400        | 30.07            | -16.76      | 54.0           | 23.93       | AV       | 301.00         | 200         | Vertical | Pass    |
| 2   | 4390.400        | 49.92            | -3.30       | 74.0           | 24.08       | Peak     | 349.00         | 200         | Vertical | Pass    |
| 2** | 4390.400        | 41.63            | -3.30       | 54.0           | 12.37       | AV       | 349.00         | 200         | Vertical | Pass    |
| 3   | 5507.600        | 91.86            | -0.95       | --             | --          | Peak     | 46.00          | 150         | Vertical | N/A     |
| 3** | 5507.600        | 83.95            | -0.95       | --             | --          | AV       | 46.00          | 150         | Vertical | N/A     |
| 4   | 7441.025        | 49.45            | -3.45       | 74.0           | 24.55       | Peak     | 95.00          | 100         | Vertical | Pass    |
| 4** | 7441.025        | 41.10            | -3.45       | 54.0           | 12.90       | AV       | 95.00          | 100         | Vertical | Pass    |
| 5   | 12605.963       | 53.39            | 1.91        | 74.0           | 20.61       | Peak     | 162.00         | 150         | Vertical | Pass    |
| 5** | 12605.963       | 43.45            | 1.91        | 54.0           | 10.55       | AV       | 162.00         | 150         | Vertical | Pass    |
| 6   | 16095.300       | 56.06            | 1.32        | 74.0           | 17.94       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 6** | 16095.300       | 45.97            | 1.32        | 54.0           | 8.03        | AV       | 360.00         | 400         | 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   | 1537.100        | 39.02            | -16.95      | 74.0           | 34.98       | Peak     | 311.00         | 200         | Horizontal | Pass    |
| 1** | 1537.100        | 29.97            | -16.95      | 54.0           | 24.03       | AV       | 311.00         | 200         | Horizontal | Pass    |
| 2   | 4381.400        | 51.10            | -3.56       | 74.0           | 22.90       | Peak     | 218.00         | 400         | Horizontal | Pass    |
| 2** | 4381.400        | 41.68            | -3.56       | 54.0           | 12.32       | AV       | 218.00         | 400         | Horizontal | Pass    |
| 3   | 5591.800        | 102.70           | -2.21       | --             | --          | Peak     | 181.00         | 150         | Horizontal | N/A     |
| 3** | 5591.800        | 95.00            | -2.21       | --             | --          | AV       | 181.00         | 150         | Horizontal | N/A     |
| 4   | 7338.387        | 50.27            | -2.90       | 74.0           | 23.73       | Peak     | 168.00         | 300         | Horizontal | Pass    |
| 4** | 7338.387        | 41.33            | -2.90       | 54.0           | 12.67       | AV       | 168.00         | 300         | Horizontal | Pass    |
| 5   | 12445.825       | 53.03            | 1.83        | 74.0           | 20.97       | Peak     | 280.00         | 150         | Horizontal | Pass    |
| 5** | 12445.825       | 44.21            | 1.83        | 54.0           | 9.79        | AV       | 280.00         | 150         | Horizontal | Pass    |
| 6   | 16163.025       | 56.70            | 0.99        | 74.0           | 17.30       | Peak     | 346.00         | 100         | Horizontal | Pass    |
| 6** | 16163.025       | 46.27            | 0.99        | 54.0           | 7.73        | AV       | 346.00         | 100         | 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   | 1492.600        | 38.94            | -16.88      | 74.0           | 35.06       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 1** | 1492.600        | 29.82            | -16.88      | 54.0           | 24.18       | AV       | 360.00         | 100         | Vertical | Pass    |
| 2   | 4377.400        | 50.17            | -3.58       | 74.0           | 23.83       | Peak     | 233.00         | 300         | Vertical | Pass    |
| 2** | 4377.400        | 41.58            | -3.58       | 54.0           | 12.42       | AV       | 233.00         | 300         | Vertical | Pass    |
| 3   | 5592.600        | 92.31            | -2.21       | --             | --          | Peak     | 95.00          | 100         | Vertical | N/A     |
| 3** | 5592.600        | 85.77            | -2.21       | --             | --          | AV       | 95.00          | 100         | Vertical | N/A     |
| 4   | 7280.312        | 49.62            | -2.95       | 74.0           | 24.38       | Peak     | 227.00         | 100         | Vertical | Pass    |
| 4** | 7280.312        | 40.01            | -2.95       | 54.0           | 13.99       | AV       | 227.00         | 100         | Vertical | Pass    |
| 5   | 12280.225       | 53.70            | 1.80        | 74.0           | 20.30       | Peak     | 337.00         | 200         | Vertical | Pass    |
| 5** | 12280.225       | 44.04            | 1.80        | 54.0           | 9.96        | AV       | 337.00         | 200         | Vertical | Pass    |
| 6   | 15789.487       | 55.57            | 1.99        | 74.0           | 18.43       | Peak     | 285.00         | 100         | Vertical | Pass    |
| 6** | 15789.487       | 46.33            | 1.99        | 54.0           | 7.67        | AV       | 285.00         | 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   | 1506.300        | 38.75            | -16.83      | 74.0           | 35.25       | Peak     | 281.00         | 200         | Horizontal | Pass    |
| 1** | 1506.300        | 28.88            | -16.83      | 54.0           | 25.12       | AV       | 281.00         | 200         | Horizontal | Pass    |
| 2   | 4388.600        | 50.52            | -3.39       | 74.0           | 23.48       | Peak     | 263.00         | 100         | Horizontal | Pass    |
| 2** | 4388.600        | 41.37            | -3.39       | 54.0           | 12.63       | AV       | 263.00         | 100         | Horizontal | Pass    |
| 3   | 5671.800        | 103.29           | -2.29       | --             | --          | Peak     | 160.00         | 100         | Horizontal | N/A     |
| 3** | 5671.800        | 95.59            | -2.29       | --             | --          | AV       | 160.00         | 100         | Horizontal | N/A     |
| 4   | 7382.375        | 49.40            | -3.36       | 74.0           | 24.60       | Peak     | 325.00         | 200         | Horizontal | Pass    |
| 4** | 7382.375        | 39.65            | -3.36       | 54.0           | 14.35       | AV       | 325.00         | 200         | Horizontal | Pass    |
| 5   | 12617.463       | 53.51            | 1.83        | 74.0           | 20.49       | Peak     | 250.00         | 100         | Horizontal | Pass    |
| 5** | 12617.463       | 43.80            | 1.83        | 54.0           | 10.20       | AV       | 250.00         | 100         | Horizontal | Pass    |
| 6   | 16027.575       | 55.79            | 0.69        | 74.0           | 18.21       | Peak     | 321.00         | 400         | Horizontal | Pass    |
| 6** | 16027.575       | 46.18            | 0.69        | 54.0           | 7.82        | AV       | 321.00         | 400         | 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   | 1464.600        | 38.86            | -17.41      | 74.0           | 35.14       | Peak     | 250.00         | 100         | Vertical | Pass    |
| 1** | 1464.600        | 28.89            | -17.41      | 54.0           | 25.11       | AV       | 250.00         | 100         | Vertical | Pass    |
| 2   | 4385.200        | 50.58            | -3.43       | 74.0           | 23.42       | Peak     | 81.00          | 400         | Vertical | Pass    |
| 2** | 4385.200        | 41.69            | -3.43       | 54.0           | 12.31       | AV       | 81.00          | 400         | Vertical | Pass    |
| 3   | 5672.600        | 93.73            | -2.23       | --             | --          | Peak     | 360.00         | 150         | Vertical | N/A     |
| 3** | 5672.600        | 85.96            | -2.23       | --             | --          | AV       | 360.00         | 150         | Vertical | N/A     |
| 4   | 7675.913        | 50.29            | -2.51       | 74.0           | 23.71       | Peak     | 268.00         | 300         | Vertical | Pass    |
| 4** | 7675.913        | 39.97            | -2.51       | 54.0           | 14.03       | AV       | 268.00         | 300         | Vertical | Pass    |
| 5   | 12610.275       | 52.73            | 1.89        | 74.0           | 21.27       | Peak     | 213.00         | 100         | Vertical | Pass    |
| 5** | 12610.275       | 43.90            | 1.89        | 54.0           | 10.10       | AV       | 213.00         | 100         | Vertical | Pass    |
| 6   | 15510.713       | 55.56            | 1.43        | 74.0           | 18.44       | Peak     | 61.00          | 200         | Vertical | Pass    |
| 6** | 15510.713       | 46.71            | 1.43        | 54.0           | 7.29        | AV       | 61.00          | 200         | 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   | 1586.900        | 38.74            | -16.95      | 74.0           | 35.26       | Peak     | 143.00         | 400         | Horizontal | Pass    |
| 1** | 1586.900        | 29.16            | -16.95      | 54.0           | 24.84       | AV       | 143.00         | 400         | Horizontal | Pass    |
| 2   | 4377.000        | 50.60            | -3.71       | 74.0           | 23.40       | Peak     | 173.00         | 100         | Horizontal | Pass    |
| 2** | 4377.000        | 40.78            | -3.71       | 54.0           | 13.22       | AV       | 173.00         | 100         | Horizontal | Pass    |
| 3   | 5535.400        | 100.46           | -1.84       | --             | --          | Peak     | 173.00         | 150         | Horizontal | N/A     |
| 3** | 5535.400        | 93.73            | -1.84       | --             | --          | AV       | 173.00         | 150         | Horizontal | N/A     |
| 4   | 7452.237        | 50.16            | -3.16       | 74.0           | 23.84       | Peak     | 272.00         | 300         | Horizontal | Pass    |
| 4** | 7452.237        | 40.74            | -3.16       | 54.0           | 13.26       | AV       | 272.00         | 300         | Horizontal | Pass    |
| 5   | 12620.912       | 53.82            | 1.76        | 74.0           | 20.18       | Peak     | 32.00          | 150         | Horizontal | Pass    |
| 5** | 12620.912       | 44.13            | 1.76        | 54.0           | 9.87        | AV       | 32.00          | 150         | Horizontal | Pass    |
| 6   | 15823.088       | 55.83            | 1.73        | 74.0           | 18.17       | Peak     | 216.00         | 400         | Horizontal | Pass    |
| 6** | 15823.088       | 46.50            | 1.73        | 54.0           | 7.50        | AV       | 216.00         | 400         | 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   | 1598.200        | 39.12            | -17.28      | 74.0           | 34.88       | Peak     | 181.00         | 400         | Vertical | Pass    |
| 1** | 1598.200        | 29.55            | -17.28      | 54.0           | 24.45       | AV       | 181.00         | 400         | Vertical | Pass    |
| 2   | 4385.600        | 50.61            | -3.36       | 74.0           | 23.39       | Peak     | 269.00         | 300         | Vertical | Pass    |
| 2** | 4385.600        | 41.27            | -3.36       | 54.0           | 12.73       | AV       | 269.00         | 300         | Vertical | Pass    |
| 3   | 5540.400        | 90.20            | -1.99       | --             | --          | Peak     | 45.00          | 100         | Vertical | N/A     |
| 3** | 5540.400        | 82.20            | -1.99       | --             | --          | AV       | 45.00          | 100         | Vertical | N/A     |
| 4   | 7459.425        | 50.03            | -3.61       | 74.0           | 23.97       | Peak     | 125.00         | 300         | Vertical | Pass    |
| 4** | 7459.425        | 39.86            | -3.61       | 54.0           | 14.14       | AV       | 125.00         | 300         | Vertical | Pass    |
| 5   | 12312.713       | 52.89            | 1.39        | 74.0           | 21.11       | Peak     | 343.00         | 150         | Vertical | Pass    |
| 5** | 12312.713       | 43.95            | 1.39        | 54.0           | 10.05       | AV       | 343.00         | 150         | Vertical | Pass    |
| 6   | 15520.425       | 55.94            | 1.38        | 74.0           | 18.06       | Peak     | 20.00          | 100         | Vertical | Pass    |
| 6** | 15520.425       | 45.92            | 1.38        | 54.0           | 8.08        | AV       | 20.00          | 100         | 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   | 1481.500        | 39.55            | -17.12      | 74.0           | 34.45       | Peak     | 334.00         | 300         | Horizontal | Pass    |
| 1** | 1481.500        | 29.06            | -17.12      | 54.0           | 24.94       | AV       | 334.00         | 300         | Horizontal | Pass    |
| 2   | 4381.400        | 50.64            | -3.56       | 74.0           | 23.36       | Peak     | 55.00          | 400         | Horizontal | Pass    |
| 2** | 4381.400        | 41.72            | -3.56       | 54.0           | 12.28       | AV       | 55.00          | 400         | Horizontal | Pass    |
| 3   | 5603.200        | 101.02           | -1.97       | --             | --          | Peak     | 176.00         | 100         | Horizontal | N/A     |
| 3** | 5603.200        | 92.78            | -1.97       | --             | --          | AV       | 176.00         | 100         | Horizontal | N/A     |
| 4   | 7452.812        | 49.19            | -3.24       | 74.0           | 24.81       | Peak     | 122.00         | 400         | Horizontal | Pass    |
| 4** | 7452.812        | 40.13            | -3.24       | 54.0           | 13.87       | AV       | 122.00         | 400         | Horizontal | Pass    |
| 5   | 12280.513       | 52.77            | 1.80        | 74.0           | 21.23       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 5** | 12280.513       | 44.09            | 1.80        | 54.0           | 9.91        | AV       | 0.00           | 200         | Horizontal | Pass    |
| 6   | 15804.713       | 56.04            | 2.27        | 74.0           | 17.96       | Peak     | 189.00         | 200         | Horizontal | Pass    |
| 6** | 15804.713       | 47.17            | 2.27        | 54.0           | 6.83        | AV       | 189.00         | 200         | 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   | 1493.400        | 39.50            | -16.88      | 74.0           | 34.50       | Peak     | 40.00          | 300         | Vertical | Pass    |
| 1** | 1493.400        | 29.32            | -16.88      | 54.0           | 24.68       | AV       | 40.00          | 300         | Vertical | Pass    |
| 2   | 4239.400        | 50.42            | -4.13       | 74.0           | 23.58       | Peak     | 324.00         | 100         | Vertical | Pass    |
| 2** | 4239.400        | 40.42            | -4.13       | 54.0           | 13.58       | AV       | 324.00         | 100         | Vertical | Pass    |
| 3   | 5606.800        | 91.24            | -1.89       | --             | --          | Peak     | 348.00         | 150         | Vertical | N/A     |
| 3** | 5606.800        | 82.92            | -1.89       | --             | --          | AV       | 348.00         | 150         | Vertical | N/A     |
| 4   | 7335.225        | 49.89            | -3.26       | 74.0           | 24.11       | Peak     | 307.00         | 300         | Vertical | Pass    |
| 4** | 7335.225        | 40.57            | -3.26       | 54.0           | 13.43       | AV       | 307.00         | 300         | Vertical | Pass    |
| 5   | 12346.063       | 53.47            | 1.27        | 74.0           | 20.53       | Peak     | 290.00         | 100         | Vertical | Pass    |
| 5** | 12346.063       | 43.90            | 1.27        | 54.0           | 10.10       | AV       | 290.00         | 100         | Vertical | Pass    |
| 6   | 15798.412       | 55.67            | 2.28        | 74.0           | 18.33       | Peak     | 348.00         | 100         | Vertical | Pass    |
| 6** | 15798.412       | 46.88            | 2.28        | 54.0           | 7.12        | AV       | 348.00         | 100         | 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   | 1502.100        | 39.17            | -17.01      | 74.0           | 34.83       | Peak     | 330.00         | 100         | Horizontal | Pass    |
| 1** | 1502.100        | 29.71            | -17.01      | 54.0           | 24.29       | AV       | 330.00         | 100         | Horizontal | Pass    |
| 2   | 4387.600        | 49.82            | -3.37       | 74.0           | 24.18       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 4387.600        | 41.78            | -3.37       | 54.0           | 12.22       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 5744.200        | 106.44           | -2.07       | --             | --          | Peak     | 185.00         | 150         | Horizontal | N/A     |
| 3** | 5744.200        | 99.14            | -2.07       | --             | --          | AV       | 185.00         | 150         | Horizontal | N/A     |
| 4   | 7444.763        | 50.12            | -3.20       | 74.0           | 23.88       | Peak     | 13.00          | 100         | Horizontal | Pass    |
| 4** | 7444.763        | 40.18            | -3.20       | 54.0           | 13.82       | AV       | 13.00          | 100         | Horizontal | Pass    |
| 5   | 12461.924       | 53.90            | 1.77        | 74.0           | 20.10       | Peak     | 291.00         | 100         | Horizontal | Pass    |
| 5** | 12461.924       | 43.85            | 1.77        | 54.0           | 10.15       | AV       | 291.00         | 100         | Horizontal | Pass    |
| 6   | 16023.900       | 56.87            | 0.64        | 74.0           | 17.13       | Peak     | 202.00         | 300         | Horizontal | Pass    |
| 6** | 16023.900       | 46.40            | 0.64        | 54.0           | 7.60        | AV       | 202.00         | 300         | 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   | 1498.300        | 40.16            | -17.23      | 74.0           | 33.84       | Peak     | 87.00          | 400         | Vertical | Pass    |
| 1** | 1498.300        | 29.03            | -17.23      | 54.0           | 24.97       | AV       | 87.00          | 400         | Vertical | Pass    |
| 2   | 4389.000        | 50.49            | -3.37       | 74.0           | 23.51       | Peak     | 29.00          | 100         | Vertical | Pass    |
| 2** | 4389.000        | 40.71            | -3.37       | 54.0           | 13.29       | AV       | 29.00          | 100         | Vertical | Pass    |
| 3   | 5744.400        | 97.47            | -2.09       | --             | --          | Peak     | 20.00          | 150         | Vertical | N/A     |
| 3** | 5744.400        | 91.67            | -2.09       | --             | --          | AV       | 20.00          | 150         | Vertical | N/A     |
| 4   | 7345.000        | 49.74            | -3.49       | 74.0           | 24.26       | Peak     | 216.00         | 400         | Vertical | Pass    |
| 4** | 7345.000        | 40.45            | -3.49       | 54.0           | 13.55       | AV       | 216.00         | 400         | Vertical | Pass    |
| 5   | 12272.750       | 52.94            | 1.54        | 74.0           | 21.06       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 12272.750       | 43.16            | 1.54        | 54.0           | 10.84       | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 16006.838       | 55.62            | 0.37        | 74.0           | 18.38       | Peak     | 76.00          | 400         | Vertical | Pass    |
| 6** | 16006.838       | 45.52            | 0.37        | 54.0           | 8.48        | AV       | 76.00          | 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   | 1437.400        | 38.92            | -17.29      | 74.0           | 35.08       | Peak     | 151.00         | 100         | Horizontal | Pass    |
| 1** | 1437.400        | 29.41            | -17.29      | 54.0           | 24.59       | AV       | 151.00         | 100         | Horizontal | Pass    |
| 2   | 4381.200        | 50.69            | -3.52       | 74.0           | 23.31       | Peak     | 338.00         | 200         | Horizontal | Pass    |
| 2** | 4381.200        | 41.15            | -3.52       | 54.0           | 12.85       | AV       | 338.00         | 200         | Horizontal | Pass    |
| 3   | 5784.200        | 106.93           | -1.59       | --             | --          | Peak     | 157.00         | 100         | Horizontal | N/A     |
| 3** | 5784.200        | 99.43            | -1.59       | --             | --          | AV       | 157.00         | 100         | Horizontal | N/A     |
| 4   | 7673.612        | 49.70            | -2.31       | 74.0           | 24.30       | Peak     | 130.00         | 100         | Horizontal | Pass    |
| 4** | 7673.612        | 40.25            | -2.31       | 54.0           | 13.75       | AV       | 130.00         | 100         | Horizontal | Pass    |
| 5   | 12242.562       | 53.52            | 1.04        | 74.0           | 20.48       | Peak     | 130.00         | 200         | Horizontal | Pass    |
| 5** | 12242.562       | 43.62            | 1.04        | 54.0           | 10.38       | AV       | 130.00         | 200         | Horizontal | Pass    |
| 6   | 15776.888       | 56.18            | 1.37        | 74.0           | 17.82       | Peak     | 20.00          | 200         | Horizontal | Pass    |
| 6** | 15776.888       | 46.72            | 1.37        | 54.0           | 7.28        | AV       | 20.00          | 200         | 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   | 1581.500        | 39.11            | -17.09      | 74.0           | 34.89       | Peak     | 31.00          | 400         | Vertical | Pass    |
| 1** | 1581.500        | 29.96            | -17.09      | 54.0           | 24.04       | AV       | 31.00          | 400         | Vertical | Pass    |
| 2   | 4385.800        | 50.19            | -3.33       | 74.0           | 23.81       | Peak     | 71.00          | 200         | Vertical | Pass    |
| 2** | 4385.800        | 42.50            | -3.33       | 54.0           | 11.50       | AV       | 71.00          | 200         | Vertical | Pass    |
| 3   | 5786.800        | 98.45            | -1.67       | --             | --          | Peak     | 21.00          | 200         | Vertical | N/A     |
| 3** | 5786.800        | 91.27            | -1.67       | --             | --          | AV       | 21.00          | 200         | Vertical | N/A     |
| 4   | 7337.812        | 49.59            | -2.88       | 74.0           | 24.41       | Peak     | 32.00          | 300         | Vertical | Pass    |
| 4** | 7337.812        | 41.55            | -2.88       | 54.0           | 12.45       | AV       | 32.00          | 300         | Vertical | Pass    |
| 5   | 12235.088       | 53.37            | 1.16        | 74.0           | 20.63       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 5** | 12235.088       | 43.38            | 1.16        | 54.0           | 10.62       | AV       | 0.00           | 200         | Vertical | Pass    |
| 6   | 15796.575       | 55.80            | 2.22        | 74.0           | 18.20       | Peak     | 175.00         | 200         | Vertical | Pass    |
| 6** | 15796.575       | 46.91            | 2.22        | 54.0           | 7.09        | AV       | 175.00         | 200         | 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   | 1440.700        | 39.08            | -17.16      | 74.0           | 34.92       | Peak     | 214.00         | 400         | Horizontal | Pass    |
| 1** | 1440.700        | 29.52            | -17.16      | 54.0           | 24.48       | AV       | 214.00         | 400         | Horizontal | Pass    |
| 2   | 4377.800        | 50.36            | -3.48       | 74.0           | 23.64       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 4377.800        | 40.97            | -3.48       | 54.0           | 13.03       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 5827.200        | 107.05           | -1.96       | --             | --          | Peak     | 183.00         | 100         | Horizontal | N/A     |
| 3** | 5827.200        | 99.40            | -1.96       | --             | --          | AV       | 183.00         | 100         | Horizontal | N/A     |
| 4   | 7331.200        | 49.50            | -3.38       | 74.0           | 24.50       | Peak     | 175.00         | 200         | Horizontal | Pass    |
| 4** | 7331.200        | 40.88            | -3.38       | 54.0           | 13.12       | AV       | 175.00         | 200         | Horizontal | Pass    |
| 5   | 12228.763       | 52.87            | 1.30        | 74.0           | 21.13       | Peak     | 195.00         | 100         | Horizontal | Pass    |
| 5** | 12228.763       | 44.54            | 1.30        | 54.0           | 9.46        | AV       | 195.00         | 100         | Horizontal | Pass    |
| 6   | 16103.963       | 56.38            | 1.02        | 74.0           | 17.62       | Peak     | 21.00          | 400         | Horizontal | Pass    |
| 6** | 16103.963       | 47.30            | 1.02        | 54.0           | 6.70        | AV       | 21.00          | 400         | 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   | 1499.400        | 39.14            | -17.05      | 74.0           | 34.86       | Peak     | 333.00         | 200         | Vertical | Pass    |
| 1** | 1499.400        | 29.90            | -17.05      | 54.0           | 24.10       | AV       | 333.00         | 200         | Vertical | Pass    |
| 2   | 4378.800        | 49.89            | -3.38       | 74.0           | 24.11       | Peak     | 248.00         | 300         | Vertical | Pass    |
| 2** | 4378.800        | 42.33            | -3.38       | 54.0           | 11.67       | AV       | 248.00         | 300         | Vertical | Pass    |
| 3   | 5823.000        | 98.92            | -2.13       | --             | --          | Peak     | 191.00         | 200         | Vertical | N/A     |
| 3** | 5823.000        | 91.08            | -2.13       | --             | --          | AV       | 191.00         | 200         | Vertical | N/A     |
| 4   | 7349.887        | 49.91            | -3.65       | 74.0           | 24.09       | Peak     | 106.00         | 100         | Vertical | Pass    |
| 4** | 7349.887        | 41.53            | -3.65       | 54.0           | 12.47       | AV       | 106.00         | 100         | Vertical | Pass    |
| 5   | 12287.412       | 52.82            | 1.72        | 74.0           | 21.18       | Peak     | 141.00         | 200         | Vertical | Pass    |
| 5** | 12287.412       | 44.15            | 1.72        | 54.0           | 9.85        | AV       | 141.00         | 200         | Vertical | Pass    |
| 6   | 15681.863       | 55.74            | 1.53        | 74.0           | 18.26       | Peak     | 290.00         | 200         | Vertical | Pass    |
| 6** | 15681.863       | 45.96            | 1.53        | 54.0           | 8.04        | AV       | 290.00         | 200         | 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   | 1508.100        | 39.58            | -17.03      | 74.0           | 34.42       | Peak     | 176.00         | 200         | Horizontal | Pass    |
| 1** | 1508.100        | 29.57            | -17.03      | 54.0           | 24.43       | AV       | 176.00         | 200         | Horizontal | Pass    |
| 2   | 4381.200        | 50.42            | -3.52       | 74.0           | 23.58       | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 2** | 4381.200        | 41.38            | -3.52       | 54.0           | 12.62       | AV       | 331.00         | 100         | Horizontal | Pass    |
| 3   | 5743.600        | 106.00           | -2.09       | --             | --          | Peak     | 181.00         | 150         | Horizontal | N/A     |
| 3** | 5743.600        | 98.31            | -2.09       | --             | --          | AV       | 181.00         | 150         | Horizontal | N/A     |
| 4   | 7334.938        | 49.79            | -3.24       | 74.0           | 24.21       | Peak     | 282.00         | 400         | Horizontal | Pass    |
| 4** | 7334.938        | 40.72            | -3.24       | 54.0           | 13.28       | AV       | 282.00         | 400         | Horizontal | Pass    |
| 5   | 12694.799       | 52.88            | 0.83        | 74.0           | 21.12       | Peak     | 202.00         | 150         | Horizontal | Pass    |
| 5** | 12694.799       | 43.47            | 0.83        | 54.0           | 10.53       | AV       | 202.00         | 150         | Horizontal | Pass    |
| 6   | 15833.850       | 55.60            | 1.46        | 74.0           | 18.40       | Peak     | 82.00          | 300         | Horizontal | Pass    |
| 6** | 15833.850       | 46.13            | 1.46        | 54.0           | 7.87        | AV       | 82.00          | 300         | 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   | 1494.100        | 39.22            | -16.87      | 74.0           | 34.78       | Peak     | 105.00         | 400         | Vertical | Pass    |
| 1** | 1494.100        | 29.37            | -16.87      | 54.0           | 24.63       | AV       | 105.00         | 400         | Vertical | Pass    |
| 2   | 4385.000        | 50.11            | -3.47       | 74.0           | 23.89       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 2** | 4385.000        | 42.07            | -3.47       | 54.0           | 11.93       | AV       | 360.00         | 300         | Vertical | Pass    |
| 3   | 5746.400        | 98.13            | -2.21       | --             | --          | Peak     | 12.00          | 150         | Vertical | N/A     |
| 3** | 5746.400        | 90.97            | -2.21       | --             | --          | AV       | 12.00          | 150         | Vertical | N/A     |
| 4   | 7339.537        | 50.00            | -2.93       | 74.0           | 24.00       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 4** | 7339.537        | 41.10            | -2.93       | 54.0           | 12.90       | AV       | 360.00         | 400         | Vertical | Pass    |
| 5   | 11040.525       | 52.74            | -0.52       | 74.0           | 21.26       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 11040.525       | 42.32            | -0.52       | 54.0           | 11.68       | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 15839.362       | 55.42            | 1.45        | 74.0           | 18.58       | Peak     | 357.00         | 300         | Vertical | Pass    |
| 6** | 15839.362       | 46.87            | 1.45        | 54.0           | 7.13        | AV       | 357.00         | 300         | 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   | 1507.500        | 38.71            | -16.93      | 74.0           | 35.29       | Peak     | 167.00         | 400         | Horizontal | Pass    |
| 1** | 1507.500        | 29.42            | -16.93      | 54.0           | 24.58       | AV       | 167.00         | 400         | Horizontal | Pass    |
| 2   | 4379.200        | 49.94            | -3.34       | 74.0           | 24.06       | Peak     | 108.00         | 100         | Horizontal | Pass    |
| 2** | 4379.200        | 42.55            | -3.34       | 54.0           | 11.45       | AV       | 108.00         | 100         | Horizontal | Pass    |
| 3   | 5783.400        | 107.18           | -1.48       | --             | --          | Peak     | 190.00         | 200         | Horizontal | N/A     |
| 3** | 5783.400        | 99.00            | -1.48       | --             | --          | AV       | 190.00         | 200         | Horizontal | N/A     |
| 4   | 7446.200        | 49.48            | -3.13       | 74.0           | 24.52       | Peak     | 8.00           | 100         | Horizontal | Pass    |
| 4** | 7446.200        | 41.27            | -3.13       | 54.0           | 12.73       | AV       | 8.00           | 100         | Horizontal | Pass    |
| 5   | 12327.088       | 53.80            | 1.42        | 74.0           | 20.20       | Peak     | 356.00         | 200         | Horizontal | Pass    |
| 5** | 12327.088       | 44.12            | 1.42        | 54.0           | 9.88        | AV       | 356.00         | 200         | Horizontal | Pass    |
| 6   | 15511.500       | 55.76            | 1.43        | 74.0           | 18.24       | Peak     | 315.00         | 400         | Horizontal | Pass    |
| 6** | 15511.500       | 48.09            | 1.43        | 54.0           | 5.91        | AV       | 315.00         | 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   | 1586.300        | 39.16            | -16.88      | 74.0           | 34.84       | Peak     | 69.00          | 100         | Vertical | Pass    |
| 1** | 1586.300        | 30.04            | -16.88      | 54.0           | 23.96       | AV       | 69.00          | 100         | Vertical | Pass    |
| 2   | 4380.600        | 49.95            | -3.42       | 74.0           | 24.05       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 2** | 4380.600        | 42.16            | -3.42       | 54.0           | 11.84       | AV       | 360.00         | 200         | Vertical | Pass    |
| 3   | 5783.800        | 98.61            | -1.54       | --             | --          | Peak     | 187.00         | 100         | Vertical | N/A     |
| 3** | 5783.800        | 90.24            | -1.54       | --             | --          | AV       | 187.00         | 100         | Vertical | N/A     |
| 4   | 7504.275        | 49.30            | -3.04       | 74.0           | 24.70       | Peak     | 336.00         | 300         | Vertical | Pass    |
| 4** | 7504.275        | 40.94            | -3.04       | 54.0           | 13.06       | AV       | 336.00         | 300         | Vertical | Pass    |
| 5   | 12346.925       | 53.49            | 1.26        | 74.0           | 20.51       | Peak     | 336.00         | 150         | Vertical | Pass    |
| 5** | 12346.925       | 43.33            | 1.26        | 54.0           | 10.67       | AV       | 336.00         | 150         | Vertical | Pass    |
| 6   | 15564.262       | 56.43            | 1.31        | 74.0           | 17.57       | Peak     | 30.00          | 200         | Vertical | Pass    |
| 6** | 15564.262       | 45.59            | 1.31        | 54.0           | 8.41        | AV       | 30.00          | 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   | 1502.400        | 39.08            | -17.04      | 74.0           | 34.92       | Peak     | 267.00         | 400         | Horizontal | Pass    |
| 1** | 1502.400        | 29.01            | -17.04      | 54.0           | 24.99       | AV       | 267.00         | 400         | Horizontal | Pass    |
| 2   | 4396.800        | 50.17            | -4.02       | 74.0           | 23.83       | Peak     | 235.00         | 200         | Horizontal | Pass    |
| 2** | 4396.800        | 40.90            | -4.02       | 54.0           | 13.10       | AV       | 235.00         | 200         | Horizontal | Pass    |
| 3   | 5824.000        | 105.96           | -2.13       | --             | --          | Peak     | 98.00          | 200         | Horizontal | N/A     |
| 3** | 5824.000        | 99.00            | -2.13       | --             | --          | AV       | 98.00          | 200         | Horizontal | N/A     |
| 4   | 7365.125        | 49.75            | -3.36       | 74.0           | 24.25       | Peak     | 269.00         | 200         | Horizontal | Pass    |
| 4** | 7365.125        | 40.81            | -3.36       | 54.0           | 13.19       | AV       | 269.00         | 200         | Horizontal | Pass    |
| 5   | 12283.675       | 53.77            | 1.78        | 74.0           | 20.23       | Peak     | 180.00         | 200         | Horizontal | Pass    |
| 5** | 12283.675       | 44.73            | 1.78        | 54.0           | 9.27        | AV       | 180.00         | 200         | Horizontal | Pass    |
| 6   | 15851.175       | 56.12            | 1.30        | 74.0           | 17.88       | Peak     | 156.00         | 400         | Horizontal | Pass    |
| 6** | 15851.175       | 45.92            | 1.30        | 54.0           | 8.08        | AV       | 156.00         | 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   | 1505.600        | 38.45            | -16.84      | 74.0           | 35.55       | Peak     | 250.00         | 300         | Vertical | Pass    |
| 1** | 1505.600        | 29.67            | -16.84      | 54.0           | 24.33       | AV       | 250.00         | 300         | Vertical | Pass    |
| 2   | 4386.400        | 50.44            | -3.29       | 74.0           | 23.56       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 4386.400        | 41.19            | -3.29       | 54.0           | 12.81       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 5823.000        | 98.33            | -2.13       | --             | --          | Peak     | 50.00          | 150         | Vertical | N/A     |
| 3** | 5823.000        | 90.59            | -2.13       | --             | --          | AV       | 50.00          | 150         | Vertical | N/A     |
| 4   | 7320.563        | 50.54            | -3.09       | 74.0           | 23.46       | Peak     | 218.00         | 200         | Vertical | Pass    |
| 4** | 7320.563        | 40.43            | -3.09       | 54.0           | 13.57       | AV       | 218.00         | 200         | Vertical | Pass    |
| 5   | 11961.099       | 53.39            | 0.90        | 74.0           | 20.61       | Peak     | 218.00         | 150         | Vertical | Pass    |
| 5** | 11961.099       | 43.13            | 0.90        | 54.0           | 10.87       | AV       | 218.00         | 150         | Vertical | Pass    |
| 6   | 15808.650       | 55.21            | 2.19        | 74.0           | 18.79       | Peak     | 1.00           | 300         | Vertical | Pass    |
| 6** | 15808.650       | 45.18            | 2.19        | 54.0           | 8.82        | AV       | 1.00           | 300         | 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   | 1449.300        | 39.77            | -17.29      | 74.0           | 34.23       | Peak     | 345.00         | 100         | Horizontal | Pass    |
| 1** | 1449.300        | 28.85            | -17.29      | 54.0           | 25.15       | AV       | 345.00         | 100         | Horizontal | Pass    |
| 2   | 4374.600        | 49.87            | -4.04       | 74.0           | 24.13       | Peak     | 79.00          | 100         | Horizontal | Pass    |
| 2** | 4374.600        | 41.14            | -4.04       | 54.0           | 12.86       | AV       | 79.00          | 100         | Horizontal | Pass    |
| 3   | 5752.800        | 104.17           | -1.96       | --             | --          | Peak     | 184.00         | 150         | Horizontal | N/A     |
| 3** | 5752.800        | 96.81            | -1.96       | --             | --          | AV       | 184.00         | 150         | Horizontal | N/A     |
| 4   | 7678.213        | 49.87            | -2.51       | 74.0           | 24.13       | Peak     | 41.00          | 200         | Horizontal | Pass    |
| 4** | 7678.213        | 40.60            | -2.51       | 54.0           | 13.40       | AV       | 41.00          | 200         | Horizontal | Pass    |
| 5   | 12405.287       | 52.94            | 1.48        | 74.0           | 21.06       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 12405.287       | 43.84            | 1.48        | 54.0           | 10.16       | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 16124.174       | 56.84            | 0.77        | 74.0           | 17.16       | Peak     | 270.00         | 300         | Horizontal | Pass    |
| 6** | 16124.174       | 45.89            | 0.77        | 54.0           | 8.11        | AV       | 270.00         | 300         | 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   | 1497.700        | 40.31            | -17.11      | 74.0           | 33.69       | Peak     | 20.00          | 300         | Vertical | Pass    |
| 1** | 1497.700        | 29.05            | -17.11      | 54.0           | 24.95       | AV       | 20.00          | 300         | Vertical | Pass    |
| 2   | 4395.000        | 50.05            | -3.90       | 74.0           | 23.95       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 2** | 4395.000        | 40.91            | -3.90       | 54.0           | 13.09       | AV       | 0.00           | 100         | Vertical | Pass    |
| 3   | 5757.200        | 95.13            | -1.77       | --             | --          | Peak     | 142.00         | 150         | Vertical | N/A     |
| 3** | 5757.200        | 87.50            | -1.77       | --             | --          | AV       | 142.00         | 150         | Vertical | N/A     |
| 4   | 7382.663        | 49.97            | -3.40       | 74.0           | 24.03       | Peak     | 343.00         | 300         | Vertical | Pass    |
| 4** | 7382.663        | 41.22            | -3.40       | 54.0           | 12.78       | AV       | 343.00         | 300         | Vertical | Pass    |
| 5   | 12245.437       | 53.18            | 1.01        | 74.0           | 20.82       | Peak     | 97.00          | 100         | Vertical | Pass    |
| 5** | 12245.437       | 43.27            | 1.01        | 54.0           | 10.73       | AV       | 97.00          | 100         | Vertical | Pass    |
| 6   | 15843.299       | 56.03            | 1.39        | 74.0           | 17.97       | Peak     | 339.00         | 100         | Vertical | Pass    |
| 6** | 15843.299       | 46.64            | 1.39        | 54.0           | 7.36        | AV       | 339.00         | 100         | 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   | 1540.800        | 39.29            | -16.95      | 74.0           | 34.71       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 1** | 1540.800        | 29.35            | -16.95      | 54.0           | 24.65       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 2   | 4386.400        | 50.20            | -3.29       | 74.0           | 23.80       | Peak     | 165.00         | 200         | Horizontal | Pass    |
| 2** | 4386.400        | 41.41            | -3.29       | 54.0           | 12.59       | AV       | 165.00         | 200         | Horizontal | Pass    |
| 3   | 5798.200        | 103.32           | -1.68       | --             | --          | Peak     | 189.00         | 200         | Horizontal | N/A     |
| 3** | 5798.200        | 95.88            | -1.68       | --             | --          | AV       | 189.00         | 200         | Horizontal | N/A     |
| 4   | 7347.875        | 49.78            | -3.73       | 74.0           | 24.22       | Peak     | 210.00         | 200         | Horizontal | Pass    |
| 4** | 7347.875        | 40.71            | -3.73       | 54.0           | 13.29       | AV       | 210.00         | 200         | Horizontal | Pass    |
| 5   | 12280.513       | 53.60            | 1.80        | 74.0           | 20.40       | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 5** | 12280.513       | 44.36            | 1.80        | 54.0           | 9.64        | AV       | 267.00         | 150         | Horizontal | Pass    |
| 6   | 15845.925       | 55.77            | 1.36        | 74.0           | 18.23       | Peak     | 314.00         | 300         | Horizontal | Pass    |
| 6** | 15845.925       | 47.08            | 1.36        | 54.0           | 6.92        | AV       | 314.00         | 300         | 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   | 1499.200        | 39.53            | -17.09      | 74.0           | 34.47       | Peak     | 296.00         | 100         | Vertical | Pass    |
| 1** | 1499.200        | 29.77            | -17.09      | 54.0           | 24.23       | AV       | 296.00         | 100         | Vertical | Pass    |
| 2   | 4385.800        | 51.04            | -3.33       | 74.0           | 22.96       | Peak     | 146.00         | 400         | Vertical | Pass    |
| 2** | 4385.800        | 41.43            | -3.33       | 54.0           | 12.57       | AV       | 146.00         | 400         | Vertical | Pass    |
| 3   | 5799.200        | 95.06            | -1.64       | --             | --          | Peak     | 15.00          | 200         | Vertical | N/A     |
| 3** | 5799.200        | 86.34            | -1.64       | --             | --          | AV       | 15.00          | 200         | Vertical | N/A     |
| 4   | 7338.387        | 50.11            | -2.90       | 74.0           | 23.89       | Peak     | 87.00          | 200         | Vertical | Pass    |
| 4** | 7338.387        | 41.76            | -2.90       | 54.0           | 12.24       | AV       | 87.00          | 200         | Vertical | Pass    |
| 5   | 12308.400       | 53.26            | 1.38        | 74.0           | 20.74       | Peak     | 53.00          | 150         | Vertical | Pass    |
| 5** | 12308.400       | 44.24            | 1.38        | 54.0           | 9.76        | AV       | 53.00          | 150         | Vertical | Pass    |
| 6   | 16194.525       | 55.57            | 1.59        | 74.0           | 18.43       | Peak     | 333.00         | 200         | Vertical | Pass    |
| 6** | 16194.525       | 45.85            | 1.59        | 54.0           | 8.15        | AV       | 333.00         | 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   | 1538.700        | 38.92            | -17.17      | 74.0           | 35.08       | Peak     | 218.00         | 100         | Horizontal | Pass    |
| 1** | 1538.700        | 29.48            | -17.17      | 54.0           | 24.52       | AV       | 218.00         | 100         | Horizontal | Pass    |
| 2   | 4383.200        | 50.37            | -3.64       | 74.0           | 23.63       | Peak     | 169.00         | 100         | Horizontal | Pass    |
| 2** | 4383.200        | 41.71            | -3.64       | 54.0           | 12.29       | AV       | 169.00         | 100         | Horizontal | Pass    |
| 3   | 5746.600        | 106.04           | -2.21       | --             | --          | Peak     | 157.00         | 100         | Horizontal | N/A     |
| 3** | 5746.600        | 98.53            | -2.21       | --             | --          | AV       | 157.00         | 100         | Horizontal | N/A     |
| 4   | 7625.888        | 49.50            | -2.77       | 74.0           | 24.50       | Peak     | 191.00         | 300         | Horizontal | Pass    |
| 4** | 7625.888        | 40.48            | -2.77       | 54.0           | 13.52       | AV       | 191.00         | 300         | Horizontal | Pass    |
| 5   | 12239.400       | 53.35            | 1.08        | 74.0           | 20.65       | Peak     | 60.00          | 200         | Horizontal | Pass    |
| 5** | 12239.400       | 43.94            | 1.08        | 54.0           | 10.06       | AV       | 60.00          | 200         | Horizontal | Pass    |
| 6   | 15858.525       | 55.67            | 1.01        | 74.0           | 18.33       | Peak     | 324.00         | 400         | Horizontal | Pass    |
| 6** | 15858.525       | 47.24            | 1.01        | 54.0           | 6.76        | AV       | 324.00         | 400         | 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   | 1500.100        | 39.07            | -16.92      | 74.0           | 34.93       | Peak     | 303.00         | 200         | Vertical | Pass    |
| 1** | 1500.100        | 29.90            | -16.92      | 54.0           | 24.10       | AV       | 303.00         | 200         | Vertical | Pass    |
| 2   | 4380.000        | 50.97            | -3.32       | 74.0           | 23.03       | Peak     | 93.00          | 100         | Vertical | Pass    |
| 2** | 4380.000        | 41.68            | -3.32       | 54.0           | 12.32       | AV       | 93.00          | 100         | Vertical | Pass    |
| 3   | 5746.800        | 98.25            | -2.21       | --             | --          | Peak     | 47.00          | 100         | Vertical | N/A     |
| 3** | 5746.800        | 90.68            | -2.21       | --             | --          | AV       | 47.00          | 100         | Vertical | N/A     |
| 4   | 7339.537        | 49.91            | -2.93       | 74.0           | 24.09       | Peak     | 179.00         | 300         | Vertical | Pass    |
| 4** | 7339.537        | 41.12            | -2.93       | 54.0           | 12.88       | AV       | 179.00         | 300         | Vertical | Pass    |
| 5   | 12248.025       | 53.70            | 0.98        | 74.0           | 20.30       | Peak     | 142.00         | 200         | Vertical | Pass    |
| 5** | 12248.025       | 43.25            | 0.98        | 54.0           | 10.75       | AV       | 142.00         | 200         | Vertical | Pass    |
| 6   | 15825.188       | 56.13            | 1.64        | 74.0           | 17.87       | Peak     | 242.00         | 300         | Vertical | Pass    |
| 6** | 15825.188       | 46.42            | 1.64        | 54.0           | 7.58        | AV       | 242.00         | 300         | 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   | 1537.600        | 39.21            | -17.02      | 74.0           | 34.79       | Peak     | 192.00         | 200         | Horizontal | Pass    |
| 1** | 1537.600        | 29.42            | -17.02      | 54.0           | 24.58       | AV       | 192.00         | 200         | Horizontal | Pass    |
| 2   | 4211.200        | 50.00            | -4.45       | 74.0           | 24.00       | Peak     | 188.00         | 400         | Horizontal | Pass    |
| 2** | 4211.200        | 40.34            | -4.45       | 54.0           | 13.66       | AV       | 188.00         | 400         | Horizontal | Pass    |
| 3   | 5782.800        | 106.58           | -1.40       | --             | --          | Peak     | 162.00         | 200         | Horizontal | N/A     |
| 3** | 5782.800        | 99.50            | -1.40       | --             | --          | AV       | 162.00         | 200         | Horizontal | N/A     |
| 4   | 7351.325        | 49.39            | -3.71       | 74.0           | 24.61       | Peak     | 325.00         | 200         | Horizontal | Pass    |
| 4** | 7351.325        | 41.07            | -3.71       | 54.0           | 12.93       | AV       | 325.00         | 200         | Horizontal | Pass    |
| 5   | 12237.100       | 53.33            | 1.12        | 74.0           | 20.67       | Peak     | 84.00          | 200         | Horizontal | Pass    |
| 5** | 12237.100       | 43.75            | 1.12        | 54.0           | 10.25       | AV       | 84.00          | 200         | Horizontal | Pass    |
| 6   | 15796.575       | 56.82            | 2.22        | 74.0           | 17.18       | Peak     | 295.00         | 100         | Horizontal | Pass    |
| 6** | 15796.575       | 46.80            | 2.22        | 54.0           | 7.20        | AV       | 295.00         | 100         | 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   | 1511.700        | 39.34            | -17.22      | 74.0           | 34.66       | Peak     | 39.00          | 200         | Vertical | Pass    |
| 1** | 1511.700        | 29.31            | -17.22      | 54.0           | 24.69       | AV       | 39.00          | 200         | Vertical | Pass    |
| 2   | 4380.000        | 50.74            | -3.32       | 74.0           | 23.26       | Peak     | 105.00         | 400         | Vertical | Pass    |
| 2** | 4380.000        | 42.44            | -3.32       | 54.0           | 11.56       | AV       | 105.00         | 400         | Vertical | Pass    |
| 3   | 5786.600        | 98.28            | -1.66       | --             | --          | Peak     | 72.00          | 100         | Vertical | N/A     |
| 3** | 5786.600        | 90.99            | -1.66       | --             | --          | AV       | 72.00          | 100         | Vertical | N/A     |
| 4   | 7337.525        | 50.46            | -2.90       | 74.0           | 23.54       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7337.525        | 41.86            | -2.90       | 54.0           | 12.14       | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 11953.050       | 53.57            | 1.26        | 74.0           | 20.43       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 11953.050       | 43.82            | 1.26        | 54.0           | 10.18       | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 15801.825       | 55.83            | 2.31        | 74.0           | 18.17       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 6** | 15801.825       | 47.48            | 2.31        | 54.0           | 6.52        | AV       | 360.00         | 300         | 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   | 1617.300        | 39.20            | -17.10      | 74.0           | 34.80       | Peak     | 47.00          | 100         | Horizontal | Pass    |
| 1** | 1617.300        | 29.51            | -17.10      | 54.0           | 24.49       | AV       | 47.00          | 100         | Horizontal | Pass    |
| 2   | 4380.000        | 50.14            | -3.32       | 74.0           | 23.86       | Peak     | 176.00         | 100         | Horizontal | Pass    |
| 2** | 4380.000        | 41.40            | -3.32       | 54.0           | 12.60       | AV       | 176.00         | 100         | Horizontal | Pass    |
| 3   | 5827.600        | 106.91           | -1.92       | --             | --          | Peak     | 190.00         | 200         | Horizontal | N/A     |
| 3** | 5827.600        | 99.53            | -1.92       | --             | --          | AV       | 190.00         | 200         | Horizontal | N/A     |
| 4   | 7379.500        | 49.63            | -3.47       | 74.0           | 24.37       | Peak     | 269.00         | 200         | Horizontal | Pass    |
| 4** | 7379.500        | 39.78            | -3.47       | 54.0           | 14.22       | AV       | 269.00         | 200         | Horizontal | Pass    |
| 5   | 12697.099       | 52.80            | 0.83        | 74.0           | 21.20       | Peak     | 313.00         | 100         | Horizontal | Pass    |
| 5** | 12697.099       | 43.20            | 0.83        | 54.0           | 10.80       | AV       | 313.00         | 100         | Horizontal | Pass    |
| 6   | 15520.162       | 55.89            | 1.38        | 74.0           | 18.11       | Peak     | 6.00           | 400         | Horizontal | Pass    |
| 6** | 15520.162       | 46.19            | 1.38        | 54.0           | 7.81        | AV       | 6.00           | 400         | 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   | 1498.900        | 39.41            | -17.14      | 74.0           | 34.59       | Peak     | 99.00          | 100         | Vertical | Pass    |
| 1** | 1498.900        | 29.14            | -17.14      | 54.0           | 24.86       | AV       | 99.00          | 100         | Vertical | Pass    |
| 2   | 4386.800        | 50.15            | -3.31       | 74.0           | 23.85       | Peak     | 181.00         | 400         | Vertical | Pass    |
| 2** | 4386.800        | 41.75            | -3.31       | 54.0           | 12.25       | AV       | 181.00         | 400         | Vertical | Pass    |
| 3   | 5827.200        | 97.91            | -1.96       | --             | --          | Peak     | 47.00          | 200         | Vertical | N/A     |
| 3** | 5827.200        | 91.25            | -1.96       | --             | --          | AV       | 47.00          | 200         | Vertical | N/A     |
| 4   | 7508.013        | 50.00            | -3.11       | 74.0           | 24.00       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 4** | 7508.013        | 41.24            | -3.11       | 54.0           | 12.76       | AV       | 0.00           | 400         | Vertical | Pass    |
| 5   | 12231.063       | 53.04            | 1.27        | 74.0           | 20.96       | Peak     | 84.00          | 100         | Vertical | Pass    |
| 5** | 12231.063       | 44.51            | 1.27        | 54.0           | 9.49        | AV       | 84.00          | 100         | Vertical | Pass    |
| 6   | 16195.049       | 55.84            | 1.60        | 74.0           | 18.16       | Peak     | 253.00         | 100         | Vertical | Pass    |
| 6** | 16195.049       | 46.35            | 1.60        | 54.0           | 7.65        | AV       | 253.00         | 100         | 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   | 1505.900        | 39.03            | -16.83      | 74.0           | 34.97       | Peak     | 42.00          | 400         | Horizontal | Pass    |
| 1** | 1505.900        | 30.17            | -16.83      | 54.0           | 23.83       | AV       | 42.00          | 400         | Horizontal | Pass    |
| 2   | 4385.400        | 50.13            | -3.40       | 74.0           | 23.87       | Peak     | 248.00         | 200         | Horizontal | Pass    |
| 2** | 4385.400        | 41.82            | -3.40       | 54.0           | 12.18       | AV       | 248.00         | 200         | Horizontal | Pass    |
| 3   | 5757.200        | 103.89           | -1.77       | --             | --          | Peak     | 187.00         | 100         | Horizontal | N/A     |
| 3** | 5757.200        | 96.82            | -1.77       | --             | --          | AV       | 187.00         | 100         | Horizontal | N/A     |
| 4   | 7340.400        | 49.62            | -3.01       | 74.0           | 24.38       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 4** | 7340.400        | 41.06            | -3.01       | 54.0           | 12.94       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 5   | 11516.338       | 53.05            | -0.36       | 74.0           | 20.95       | Peak     | 290.00         | 100         | Horizontal | Pass    |
| 5** | 11516.338       | 43.04            | -0.36       | 54.0           | 10.96       | AV       | 290.00         | 100         | Horizontal | Pass    |
| 6   | 15814.950       | 56.21            | 2.06        | 74.0           | 17.79       | Peak     | 95.00          | 100         | Horizontal | Pass    |
| 6** | 15814.950       | 47.20            | 2.06        | 54.0           | 6.80        | AV       | 95.00          | 100         | 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   | 1487.900        | 39.30            | -16.82      | 74.0           | 34.70       | Peak     | 330.00         | 300         | Vertical | Pass    |
| 1** | 1487.900        | 29.09            | -16.82      | 54.0           | 24.91       | AV       | 330.00         | 300         | Vertical | Pass    |
| 2   | 4388.000        | 50.53            | -3.39       | 74.0           | 23.47       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 4388.000        | 41.43            | -3.39       | 54.0           | 12.57       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 5759.200        | 95.09            | -1.59       | --             | --          | Peak     | 12.00          | 100         | Vertical | N/A     |
| 3** | 5759.200        | 86.75            | -1.59       | --             | --          | AV       | 12.00          | 100         | Vertical | N/A     |
| 4   | 7678.500        | 49.54            | -2.49       | 74.0           | 24.46       | Peak     | 87.00          | 100         | Vertical | Pass    |
| 4** | 7678.500        | 40.06            | -2.49       | 54.0           | 13.94       | AV       | 87.00          | 100         | Vertical | Pass    |
| 5   | 12397.813       | 53.24            | 1.59        | 74.0           | 20.76       | Peak     | 51.00          | 150         | Vertical | Pass    |
| 5** | 12397.813       | 43.67            | 1.59        | 54.0           | 10.33       | AV       | 51.00          | 150         | Vertical | Pass    |
| 6   | 16027.312       | 56.17            | 0.69        | 74.0           | 17.83       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 6** | 16027.312       | 45.88            | 0.69        | 54.0           | 8.12        | AV       | 360.00         | 300         | 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   | 1489.100        | 39.86            | -16.76      | 74.0           | 34.14       | Peak     | 348.00         | 100         | Horizontal | Pass    |
| 1** | 1489.100        | 29.95            | -16.76      | 54.0           | 24.05       | AV       | 348.00         | 100         | Horizontal | Pass    |
| 2   | 3731.600        | 50.09            | -5.21       | 74.0           | 23.91       | Peak     | 94.00          | 200         | Horizontal | Pass    |
| 2** | 3731.600        | 39.92            | -5.21       | 54.0           | 14.08       | AV       | 94.00          | 200         | Horizontal | Pass    |
| 3   | 5792.600        | 102.70           | -1.87       | --             | --          | Peak     | 186.00         | 200         | Horizontal | N/A     |
| 3** | 5792.600        | 96.53            | -1.87       | --             | --          | AV       | 186.00         | 200         | Horizontal | N/A     |
| 4   | 7336.663        | 50.17            | -3.07       | 74.0           | 23.83       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 4** | 7336.663        | 40.93            | -3.07       | 54.0           | 13.07       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 5   | 12407.012       | 53.39            | 1.46        | 74.0           | 20.61       | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 5** | 12407.012       | 43.23            | 1.46        | 54.0           | 10.77       | AV       | 272.00         | 150         | Horizontal | Pass    |
| 6   | 15496.275       | 56.13            | 1.08        | 74.0           | 17.87       | Peak     | 127.00         | 400         | Horizontal | Pass    |
| 6** | 15496.275       | 45.79            | 1.08        | 54.0           | 8.21        | AV       | 127.00         | 400         | 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   | 1537.000        | 39.49            | -16.94      | 74.0           | 34.51       | Peak     | 94.00          | 300         | Vertical | Pass    |
| 1** | 1537.000        | 29.59            | -16.94      | 54.0           | 24.41       | AV       | 94.00          | 300         | Vertical | Pass    |
| 2   | 4386.600        | 50.24            | -3.30       | 74.0           | 23.76       | Peak     | 159.00         | 200         | Vertical | Pass    |
| 2** | 4386.600        | 41.49            | -3.30       | 54.0           | 12.51       | AV       | 159.00         | 200         | Vertical | Pass    |
| 3   | 5788.800        | 94.49            | -1.74       | --             | --          | Peak     | 12.00          | 150         | Vertical | N/A     |
| 3** | 5788.800        | 86.20            | -1.74       | --             | --          | AV       | 12.00          | 150         | Vertical | N/A     |
| 4   | 7363.975        | 49.99            | -3.62       | 74.0           | 24.01       | Peak     | 239.00         | 100         | Vertical | Pass    |
| 4** | 7363.975        | 40.63            | -3.62       | 54.0           | 13.37       | AV       | 239.00         | 100         | Vertical | Pass    |
| 5   | 12353.825       | 53.01            | 1.18        | 74.0           | 20.99       | Peak     | 343.00         | 150         | Vertical | Pass    |
| 5** | 12353.825       | 43.98            | 1.18        | 54.0           | 10.02       | AV       | 343.00         | 150         | Vertical | Pass    |
| 6   | 16075.875       | 56.02            | 1.56        | 74.0           | 17.98       | Peak     | 264.00         | 300         | Vertical | Pass    |
| 6** | 16075.875       | 46.59            | 1.56        | 54.0           | 7.41        | AV       | 264.00         | 300         | 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   | 1500.100        | 40.15            | -16.92      | 74.0           | 33.85       | Peak     | 147.00         | 300         | Horizontal | Pass    |
| 1** | 1500.100        | 29.53            | -16.92      | 54.0           | 24.47       | AV       | 147.00         | 300         | Horizontal | Pass    |
| 2   | 4385.600        | 50.57            | -3.36       | 74.0           | 23.43       | Peak     | 134.00         | 400         | Horizontal | Pass    |
| 2** | 4385.600        | 41.64            | -3.36       | 54.0           | 12.36       | AV       | 134.00         | 400         | Horizontal | Pass    |
| 3   | 5768.400        | 101.22           | -1.92       | --             | --          | Peak     | 178.00         | 200         | Horizontal | N/A     |
| 3** | 5768.400        | 92.86            | -1.92       | --             | --          | AV       | 178.00         | 200         | Horizontal | N/A     |
| 4   | 7728.237        | 50.34            | -2.53       | 74.0           | 23.66       | Peak     | 326.00         | 200         | Horizontal | Pass    |
| 4** | 7728.237        | 39.81            | -2.53       | 54.0           | 14.19       | AV       | 326.00         | 200         | Horizontal | Pass    |
| 5   | 12607.400       | 53.55            | 1.90        | 74.0           | 20.45       | Peak     | 75.00          | 100         | Horizontal | Pass    |
| 5** | 12607.400       | 44.30            | 1.90        | 54.0           | 9.70        | AV       | 75.00          | 100         | Horizontal | Pass    |
| 6   | 15793.424       | 56.90            | 2.12        | 74.0           | 17.10       | Peak     | 75.00          | 400         | Horizontal | Pass    |
| 6** | 15793.424       | 46.30            | 2.12        | 54.0           | 7.70        | AV       | 75.00          | 400         | 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   | 1499.600        | 39.99            | -17.01      | 74.0           | 34.01       | Peak     | 92.00          | 100         | Vertical | Pass    |
| 1** | 1499.600        | 30.44            | -17.01      | 54.0           | 23.56       | AV       | 92.00          | 100         | Vertical | Pass    |
| 2   | 4377.800        | 50.17            | -3.48       | 74.0           | 23.83       | Peak     | 339.00         | 400         | Vertical | Pass    |
| 2** | 4377.800        | 42.02            | -3.48       | 54.0           | 11.98       | AV       | 339.00         | 400         | Vertical | Pass    |
| 3   | 5781.400        | 93.10            | -1.49       | --             | --          | Peak     | 25.00          | 200         | Vertical | N/A     |
| 3** | 5781.400        | 85.07            | -1.49       | --             | --          | AV       | 25.00          | 200         | Vertical | N/A     |
| 4   | 7342.987        | 49.41            | -3.31       | 74.0           | 24.59       | Peak     | 86.00          | 100         | Vertical | Pass    |
| 4** | 7342.987        | 41.53            | -3.31       | 54.0           | 12.47       | AV       | 86.00          | 100         | Vertical | Pass    |
| 5   | 12292.588       | 53.06            | 1.62        | 74.0           | 20.94       | Peak     | 290.00         | 150         | Vertical | Pass    |
| 5** | 12292.588       | 44.13            | 1.62        | 54.0           | 9.87        | AV       | 290.00         | 150         | Vertical | Pass    |
| 6   | 15803.662       | 56.25            | 2.29        | 74.0           | 17.75       | Peak     | 225.00         | 300         | Vertical | Pass    |
| 6** | 15803.662       | 46.59            | 2.29        | 54.0           | 7.41        | AV       | 225.00         | 300         | Vertical | Pass    |



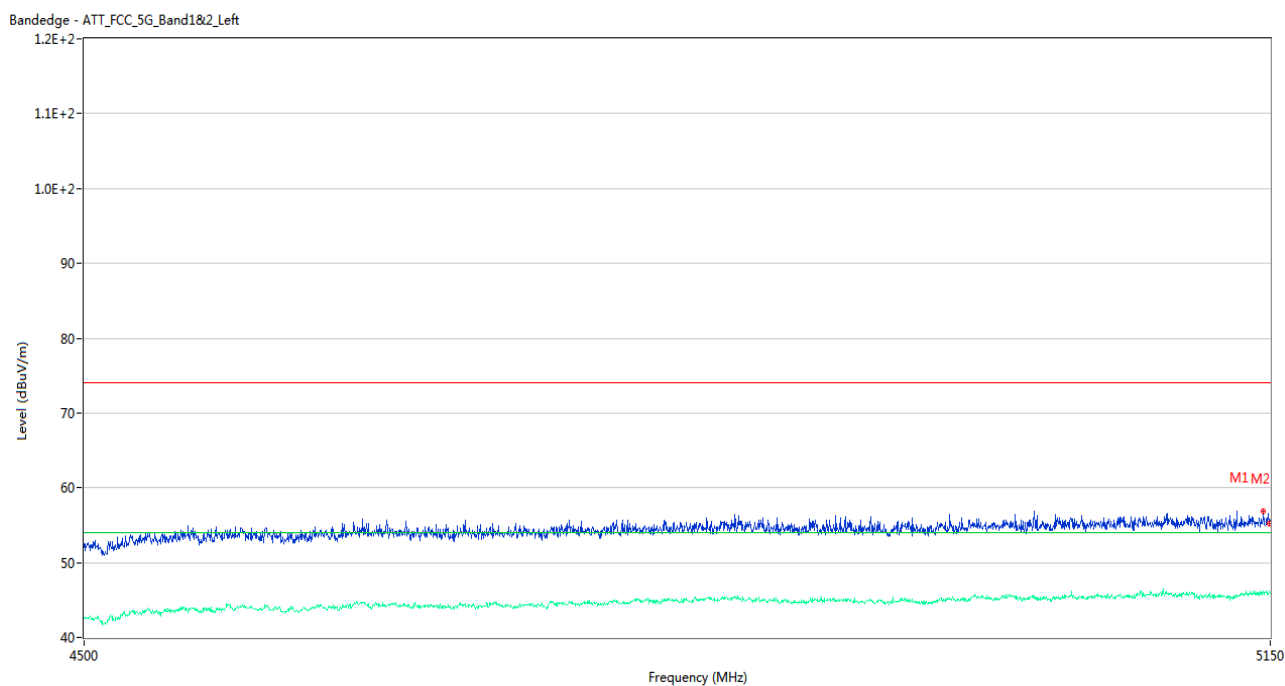
## A.6.2 Band Edge (Restricted-band)

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

## Test Data and Plots

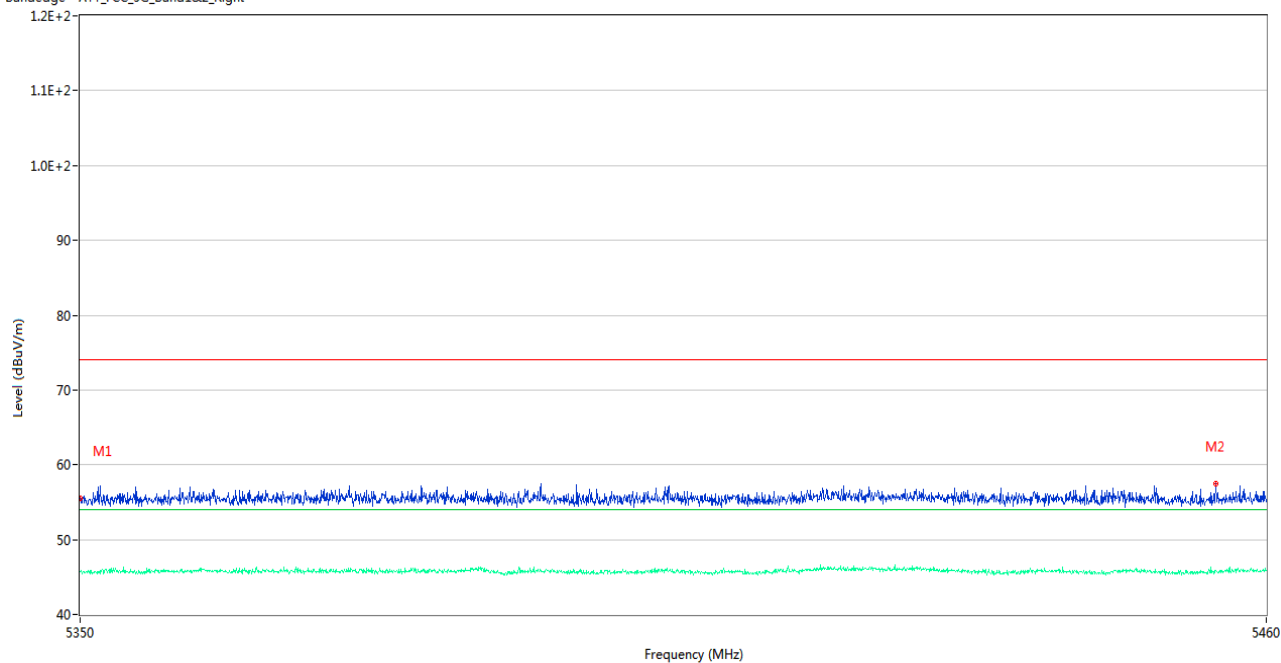
### U-NII-1 11a Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5146.100        | 56.86            | 2.28        | 74.0           | 17.14       | Peak     | 109.00         | 200         | Horizontal | Pass    |
| 1** | 5146.100        | 45.99            | 2.28        | 54.0           | 8.01        | AV       | 109.00         | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 55.19            | 2.07        | 74.0           | 18.81       | Peak     | 194.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 46.07            | 2.07        | 54.0           | 7.93        | AV       | 194.00         | 200         | Horizontal | Pass    |

## U-NII-1 11a High Channel

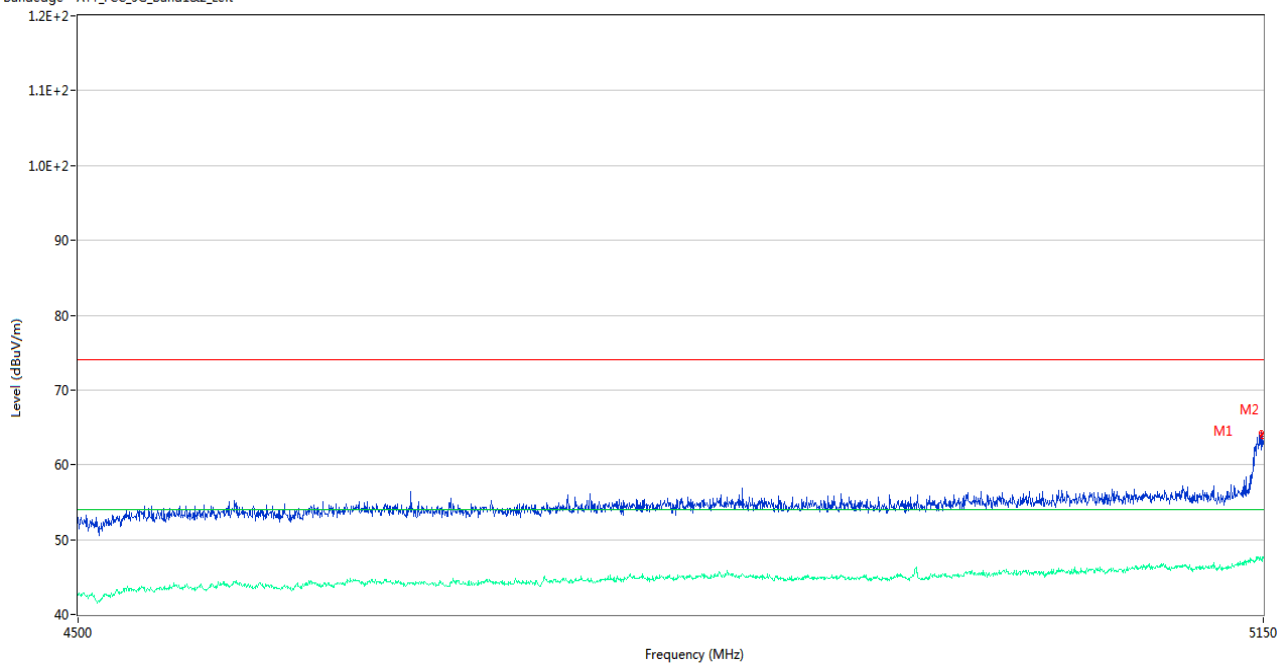
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.52            | 1.93        | 74.0           | 18.48       | Peak     | 286.00         | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 45.78            | 1.93        | 54.0           | 8.22        | AV       | 286.00         | 100         | Horizontal | Pass    |
| 2   | 5455.270        | 57.51            | 2.31        | 74.0           | 16.49       | Peak     | 204.00         | 150         | Horizontal | Pass    |
| 2** | 5455.270        | 45.92            | 2.31        | 54.0           | 8.08        | AV       | 204.00         | 150         | Horizontal | Pass    |

## U-NII-1 11n20 Low Channel

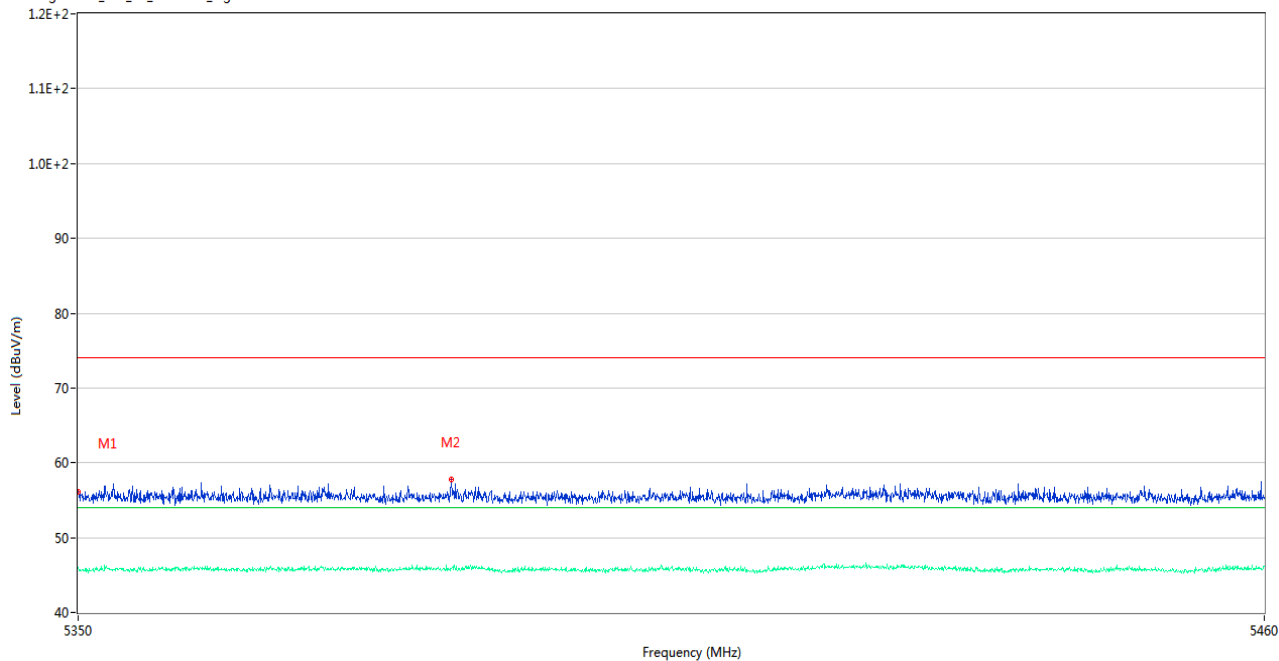
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5138.300        | 58.89            | 2.39        | 74.0           | 15.11       | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 1** | 5138.300        | 45.57            | 2.39        | 54.0           | 8.43        | AV       | 76.00          | 150         | Horizontal | Pass    |
| 2   | 5149.675        | 55.45            | 2.07        | 74.0           | 18.55       | Peak     | 87.00          | 150         | Horizontal | Pass    |
| 2** | 5149.675        | 45.93            | 2.07        | 54.0           | 8.07        | AV       | 87.00          | 150         | Horizontal | Pass    |

## U-NII-1 11n20 High Channel

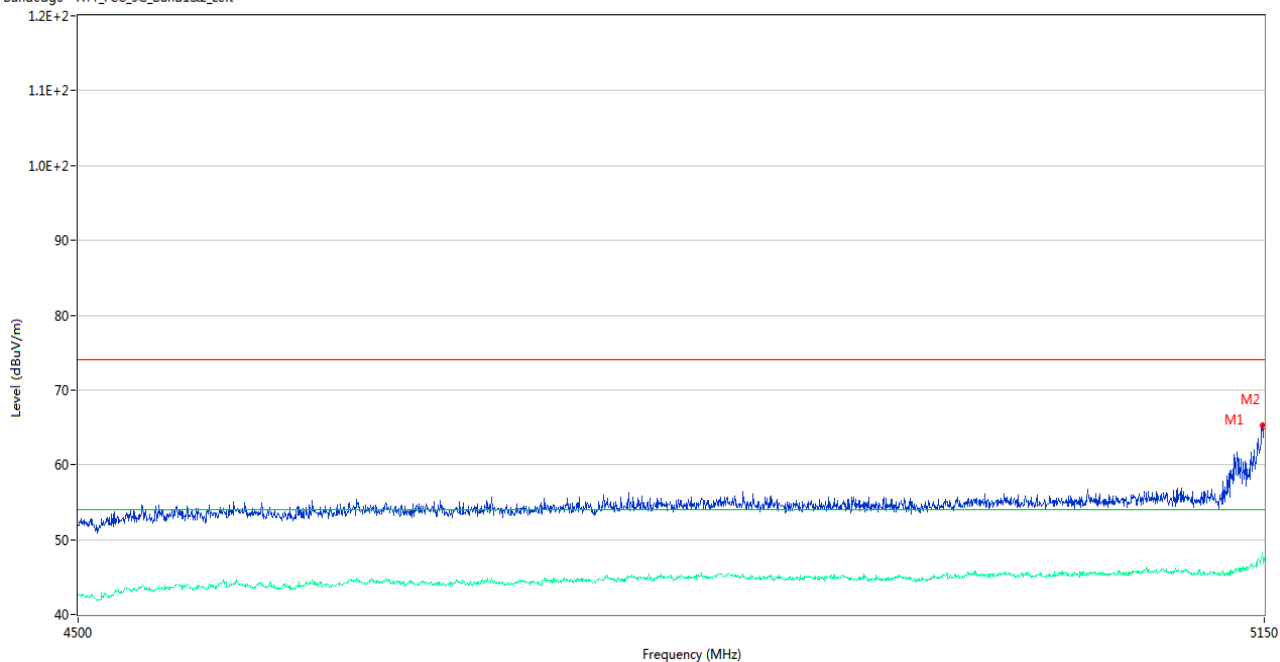
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 56.18            | 1.93        | 74.0           | 17.82       | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 1** | 5350.000        | 46.08            | 1.93        | 54.0           | 7.92        | AV       | 140.00         | 150         | Horizontal | Pass    |
| 2   | 5384.375        | 57.82            | 2.19        | 74.0           | 16.18       | Peak     | 245.00         | 200         | Horizontal | Pass    |
| 2** | 5384.375        | 45.85            | 2.19        | 54.0           | 8.15        | AV       | 245.00         | 200         | Horizontal | Pass    |

## U-NII-1 11n40 Low Channel

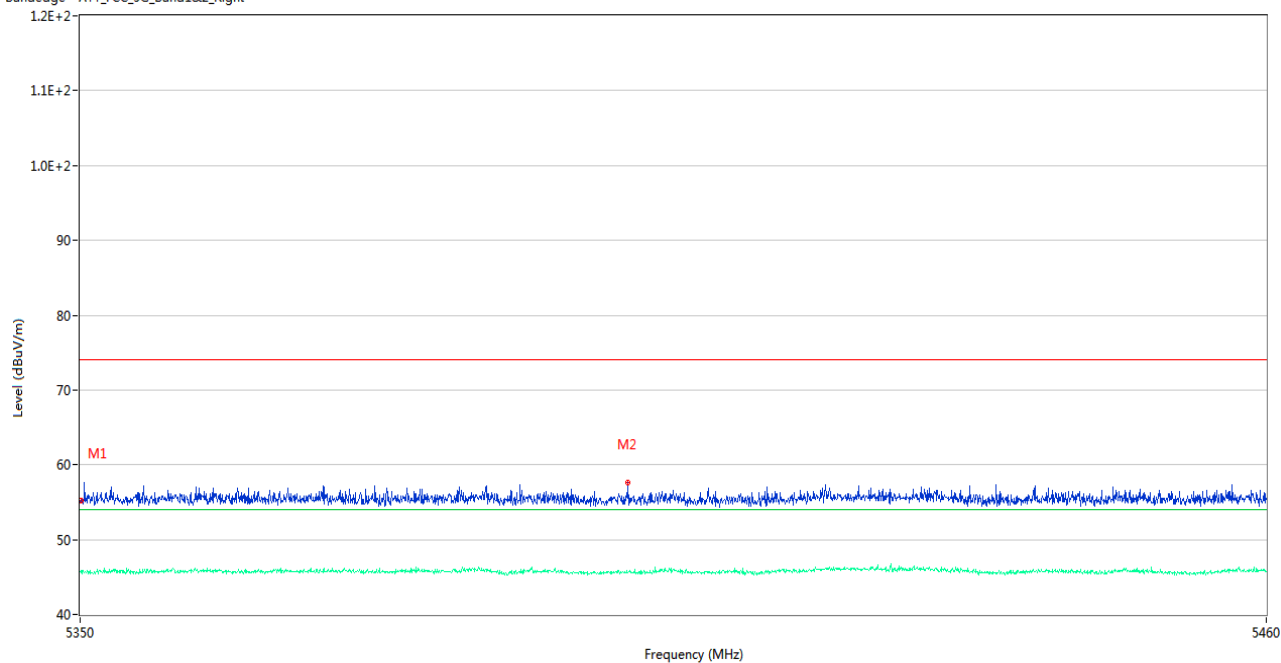
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.025        | 65.25            | 2.02        | 74.0           | 8.75        | Peak     | 141.00         | 200         | Horizontal | Pass    |
| 1** | 5149.025        | 48.01            | 2.02        | 54.0           | 5.99        | AV       | 141.00         | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 65.09            | 2.07        | 74.0           | 8.91        | Peak     | 157.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 46.76            | 2.07        | 54.0           | 7.24        | AV       | 157.00         | 200         | Horizontal | Pass    |

## U-NII-1 11n40 High Channel

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

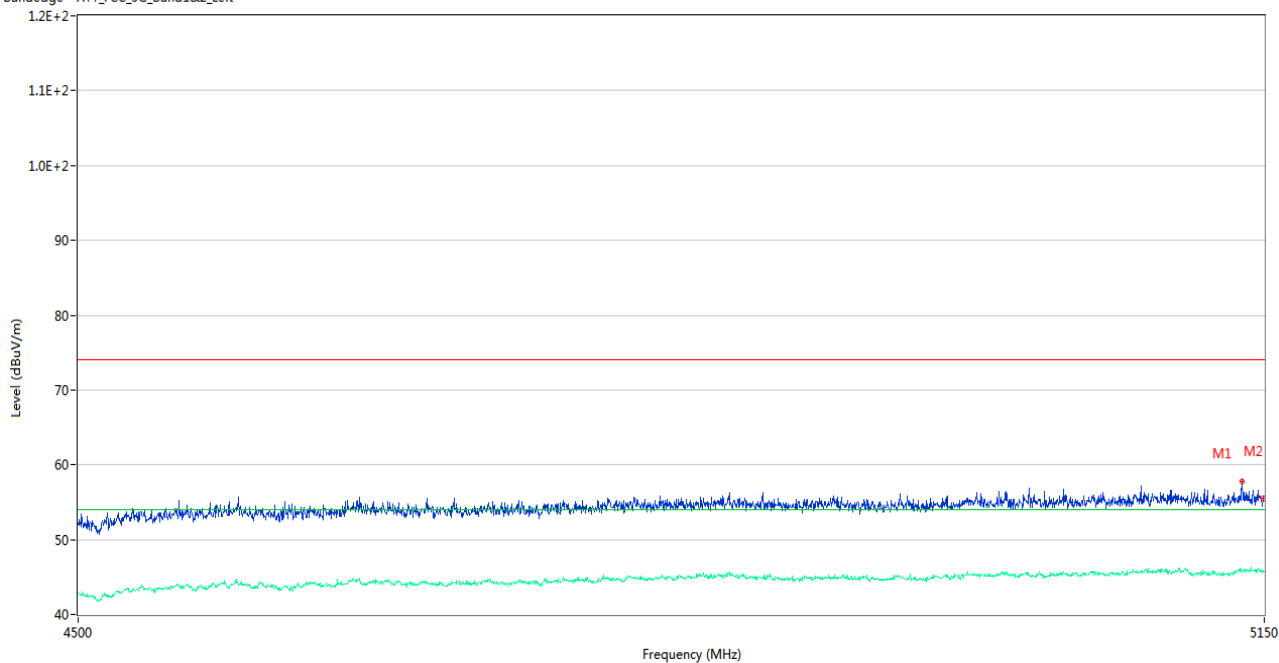


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.22            | 1.93        | 74.0           | 18.78       | Peak     | 92.00          | 150         | Horizontal | Pass    |
| 1** | 5350.055        | 45.83            | 1.93        | 54.0           | 8.17        | AV       | 92.00          | 150         | Horizontal | Pass    |
| 2   | 5400.545        | 57.68            | 1.98        | 74.0           | 16.32       | Peak     | 21.00          | 100         | Horizontal | Pass    |
| 2** | 5400.545        | 45.57            | 1.98        | 54.0           | 8.43        | AV       | 21.00          | 100         | Horizontal | Pass    |



## U-NII-1 11ac20 Low Channel

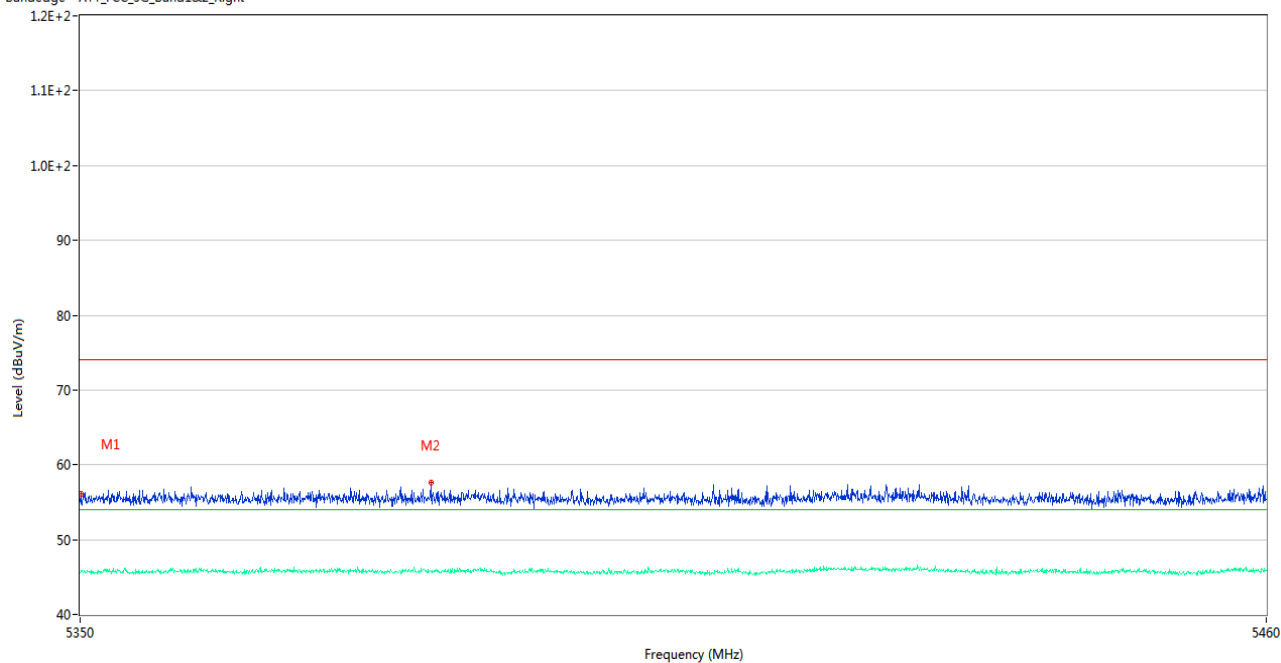
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5137.000        | 57.84            | 2.41        | 74.0           | 16.16       | Peak     | 174.00         | 100         | Horizontal | Pass    |
| 1** | 5137.000        | 45.64            | 2.41        | 54.0           | 8.36        | AV       | 174.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.56            | 2.07        | 74.0           | 18.44       | Peak     | 289.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.94            | 2.07        | 54.0           | 8.06        | AV       | 289.00         | 200         | Horizontal | Pass    |

## U-NII-1 11ac20 High Channel

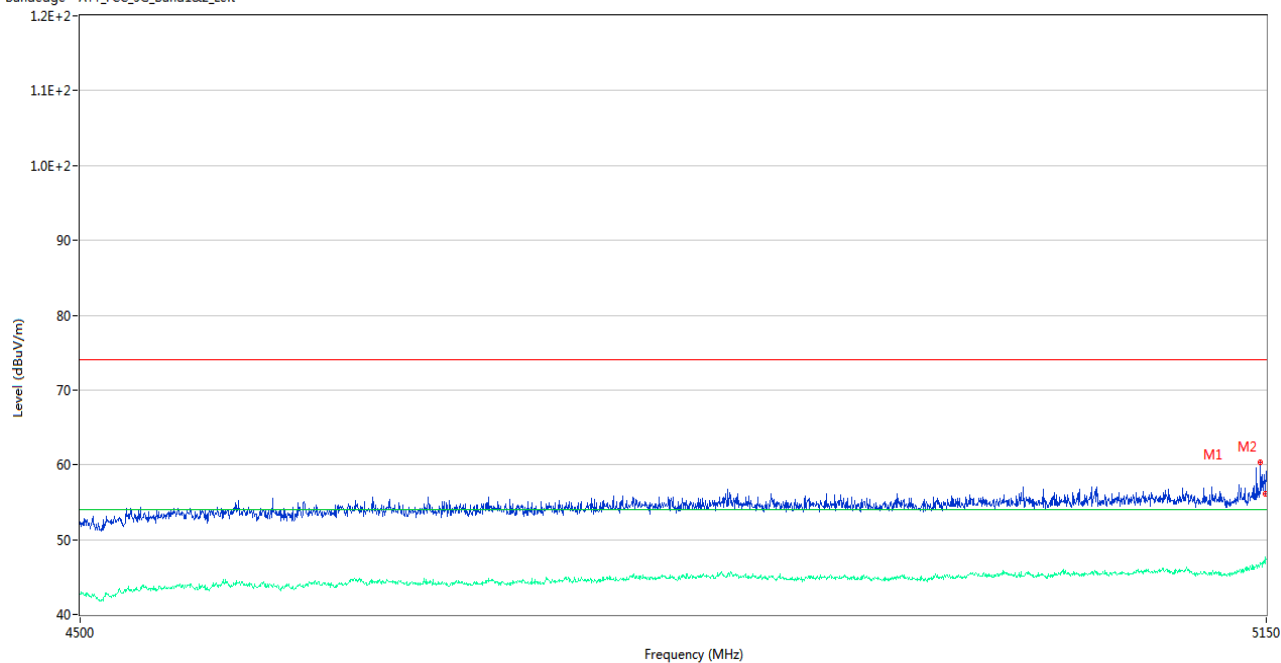
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 56.13            | 1.93        | 74.0           | 17.87       | Peak     | 146.00         | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 45.78            | 1.93        | 54.0           | 8.22        | AV       | 146.00         | 100         | Horizontal | Pass    |
| 2   | 5382.285        | 57.56            | 2.19        | 74.0           | 16.44       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 5382.285        | 45.79            | 2.19        | 54.0           | 8.21        | AV       | 360.00         | 150         | Horizontal | Pass    |

## U-NII-1 11ac40 Low Channel

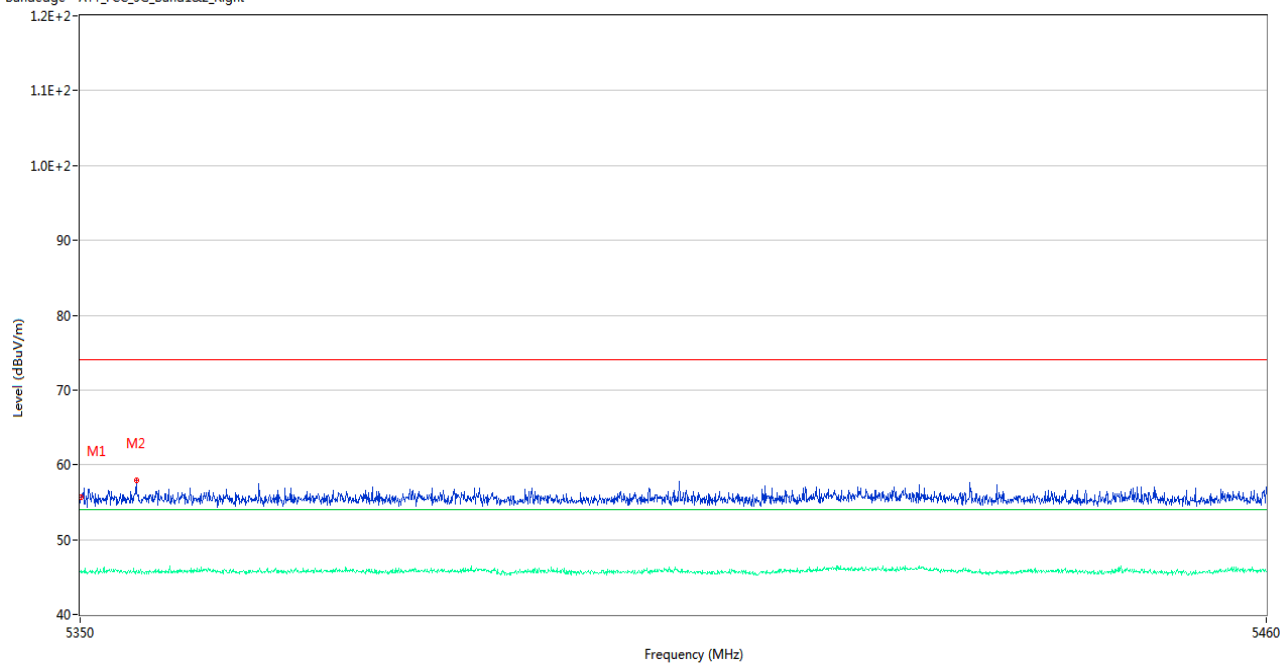
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5146.750        | 60.34            | 2.29        | 74.0           | 13.66       | Peak     | 154.00         | 100         | Horizontal | Pass    |
| 1** | 5146.750        | 46.96            | 2.29        | 54.0           | 7.04        | AV       | 154.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 56.18            | 2.07        | 74.0           | 17.82       | Peak     | 141.00         | 100         | Horizontal | Pass    |
| 2** | 5149.675        | 47.75            | 2.07        | 54.0           | 6.25        | AV       | 141.00         | 100         | Horizontal | Pass    |

## U-NII-1 11ac40 High Channel

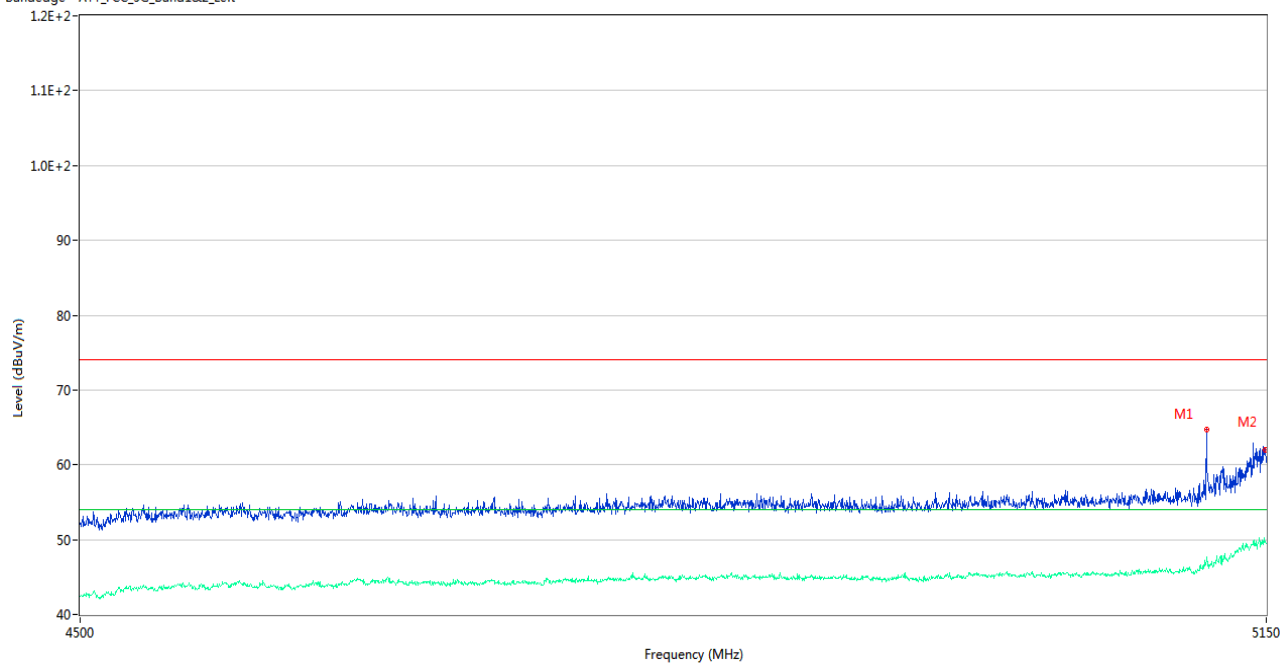
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.68            | 1.93        | 74.0           | 18.32       | Peak     | 91.00          | 150         | Horizontal | Pass    |
| 1** | 5350.055        | 45.81            | 1.93        | 54.0           | 8.19        | AV       | 91.00          | 150         | Horizontal | Pass    |
| 2   | 5355.170        | 57.92            | 2.05        | 74.0           | 16.08       | Peak     | 141.00         | 100         | Horizontal | Pass    |
| 2** | 5355.170        | 45.83            | 2.05        | 54.0           | 8.17        | AV       | 141.00         | 100         | Horizontal | Pass    |

## U-NII-1 11ac80 Middle Channel

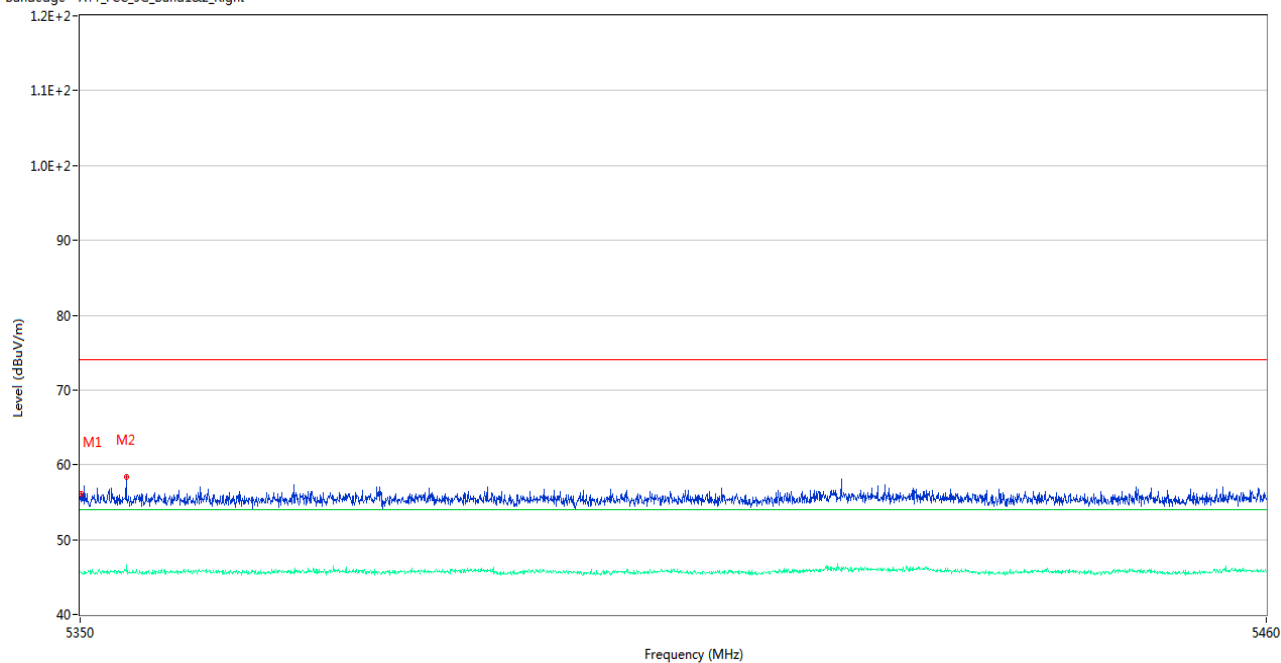
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5115.225        | 64.76            | 2.17        | 74.0           | 9.24        | Peak     | 147.00         | 200         | Horizontal | Pass    |
| 1** | 5115.225        | 47.09            | 2.17        | 54.0           | 6.91        | AV       | 147.00         | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 62.06            | 2.07        | 74.0           | 11.94       | Peak     | 147.00         | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 49.68            | 2.07        | 54.0           | 4.32        | AV       | 147.00         | 200         | Horizontal | Pass    |

## U-NII-1 11ac80 Middle Channel

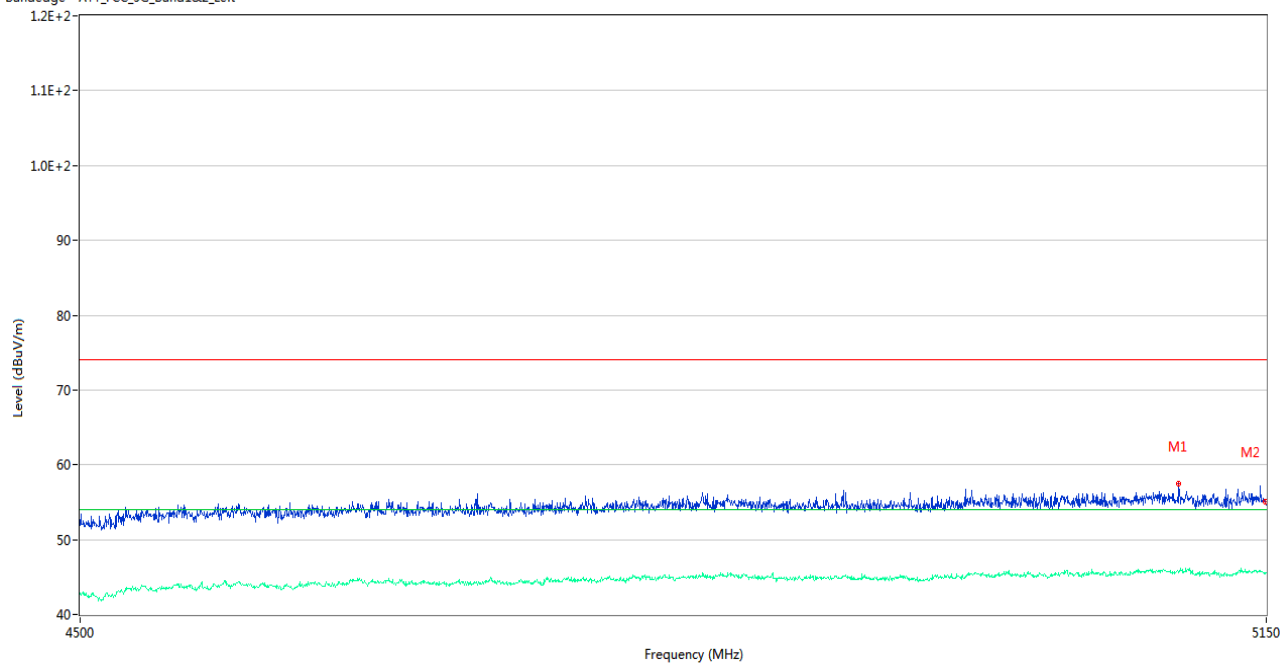
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 56.15            | 1.93        | 74.0           | 17.85       | Peak     | 179.00         | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 45.57            | 1.93        | 54.0           | 8.43        | AV       | 179.00         | 100         | Horizontal | Pass    |
| 2   | 5354.235        | 58.34            | 2.09        | 74.0           | 15.66       | Peak     | 177.00         | 150         | Horizontal | Pass    |
| 2** | 5354.235        | 45.66            | 2.09        | 54.0           | 8.34        | AV       | 177.00         | 150         | Horizontal | Pass    |

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

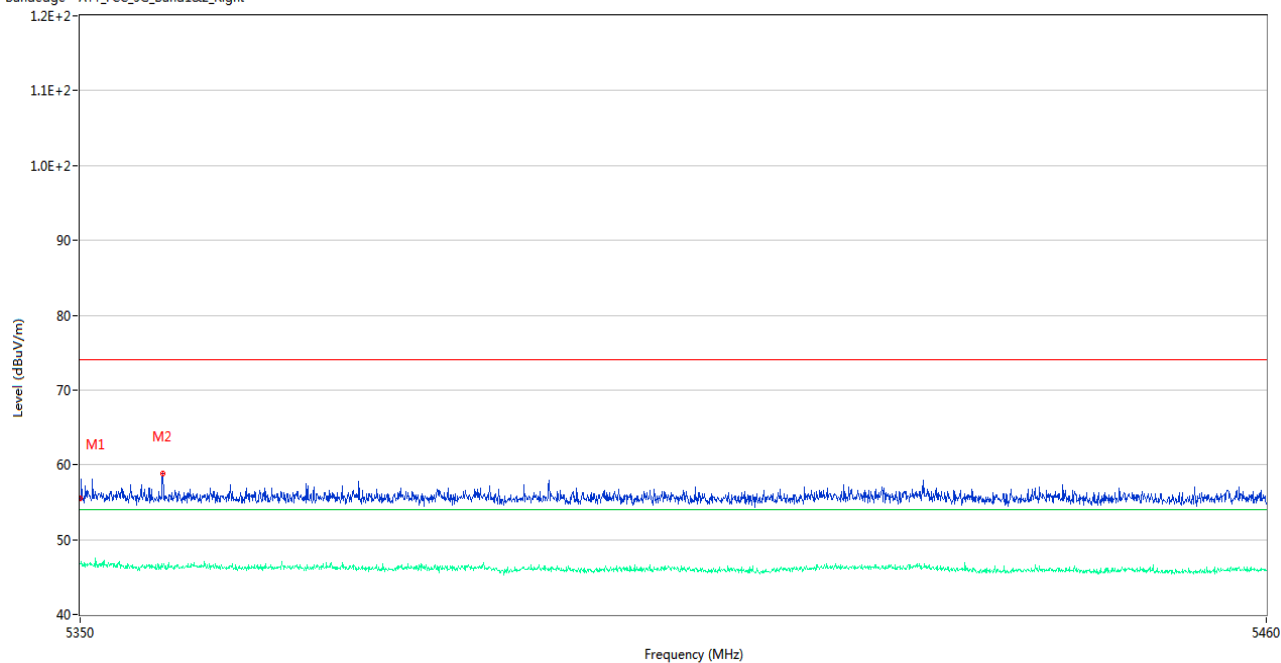
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5098.975        | 57.49            | 2.33        | 74.0           | 16.51       | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 1** | 5098.975        | 45.65            | 2.33        | 54.0           | 8.35        | AV       | 344.00         | 150         | Horizontal | Pass    |
| 2   | 5149.675        | 55.03            | 2.07        | 74.0           | 18.97       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 5149.675        | 45.46            | 2.07        | 54.0           | 8.54        | AV       | 360.00         | 150         | Horizontal | Pass    |

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

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

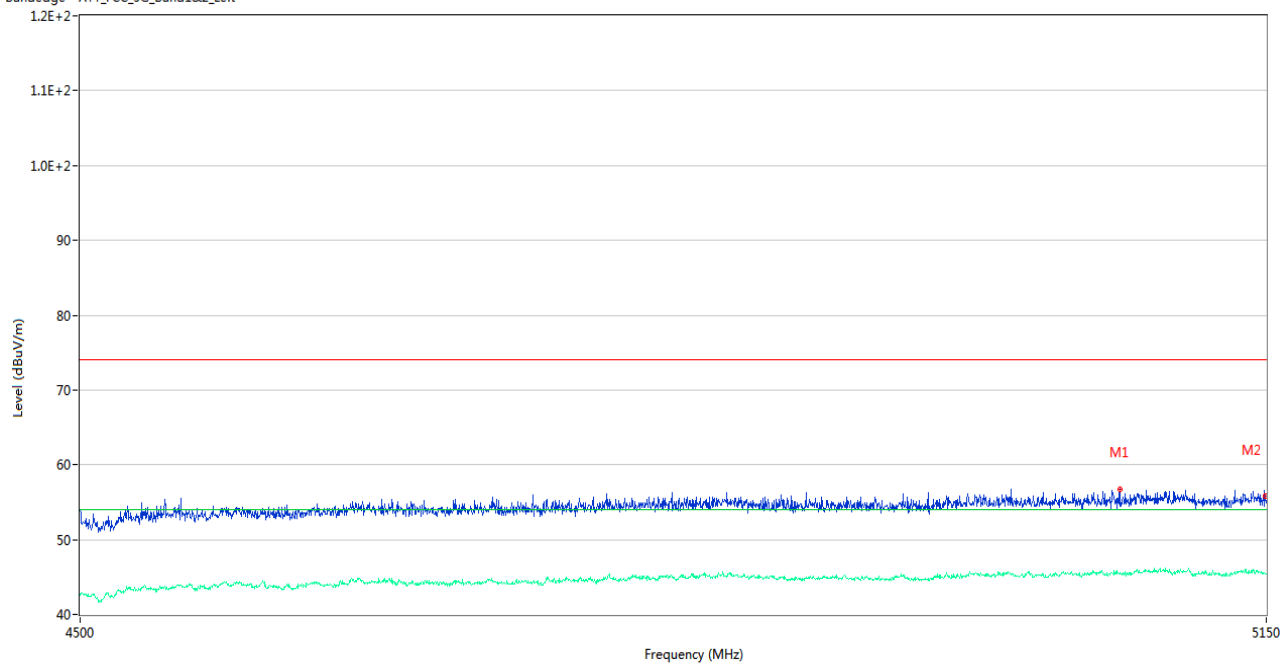


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.52            | 1.93        | 74.0           | 18.48       | Peak     | 90.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 46.76            | 1.93        | 54.0           | 7.24        | AV       | 90.00          | 100         | Horizontal | Pass    |
| 2   | 5357.590        | 58.79            | 2.21        | 74.0           | 15.21       | Peak     | 147.00         | 150         | Horizontal | Pass    |
| 2** | 5357.590        | 46.32            | 2.21        | 54.0           | 7.68        | AV       | 147.00         | 150         | Horizontal | Pass    |



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

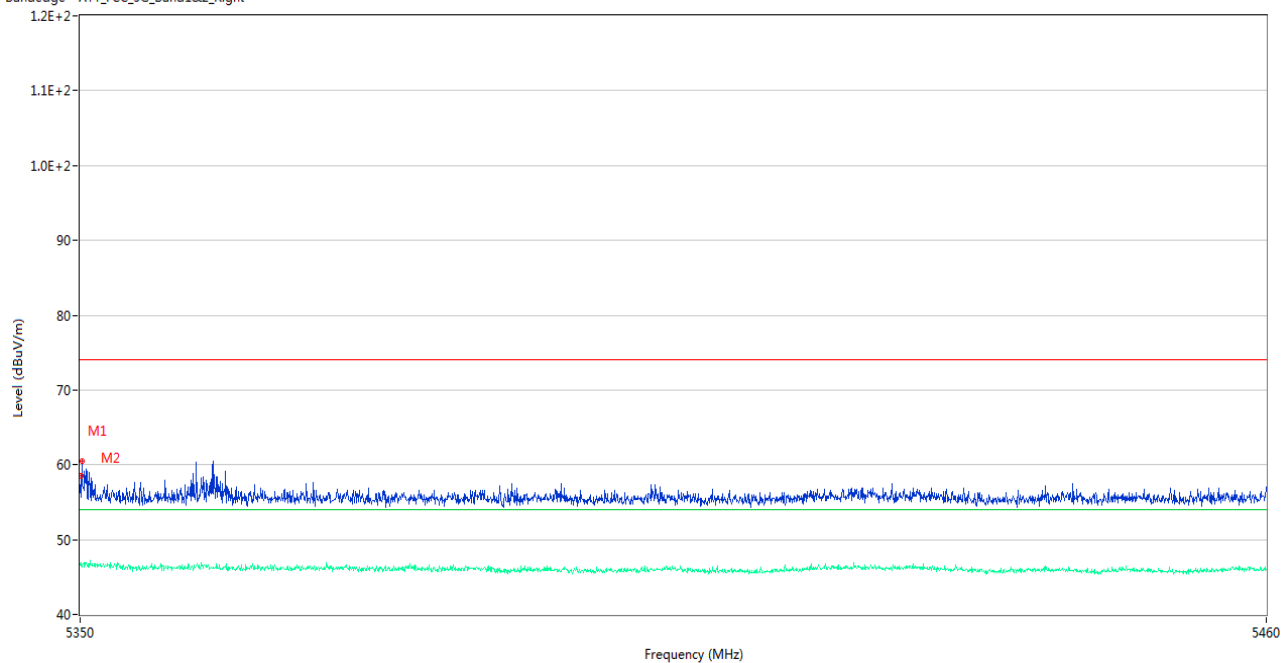
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5064.850        | 56.67            | 2.01        | 74.0           | 17.33       | Peak     | 104.00         | 100         | Horizontal | Pass    |
| 1** | 5064.850        | 45.57            | 2.01        | 54.0           | 8.43        | AV       | 104.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.83            | 2.07        | 74.0           | 18.17       | Peak     | 27.00          | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.44            | 2.07        | 54.0           | 8.56        | AV       | 27.00          | 200         | Horizontal | Pass    |

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

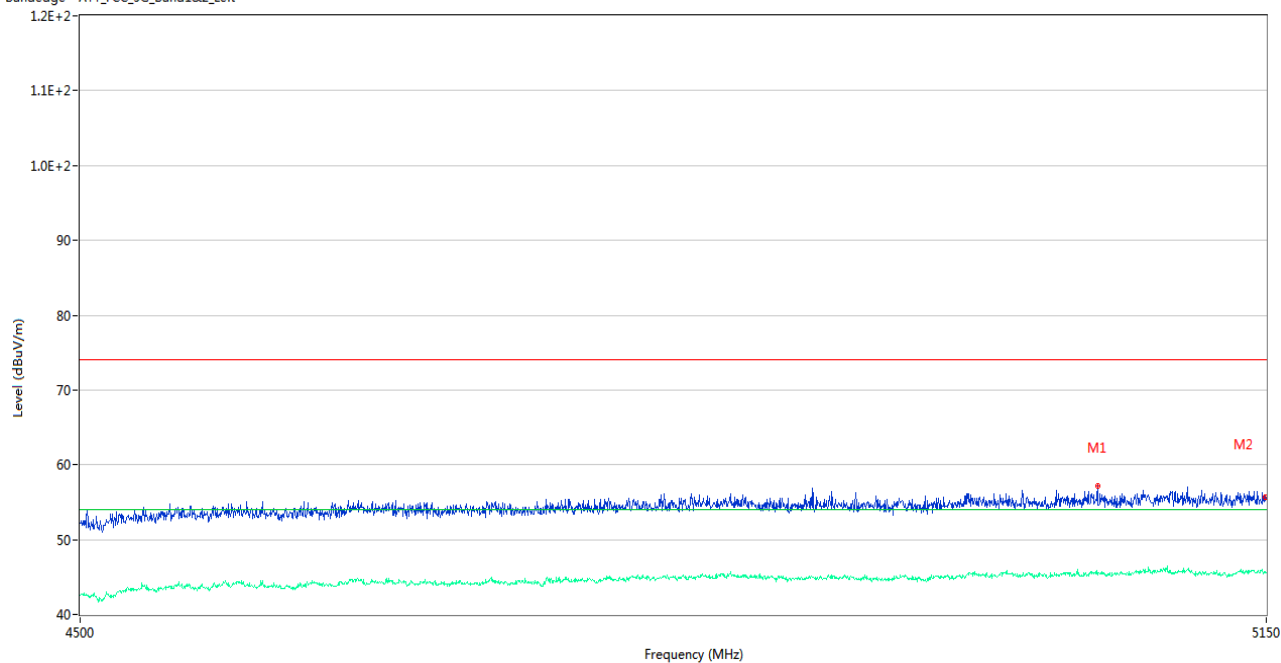
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 58.60            | 1.93        | 74.0           | 15.40       | Peak     | 164.00         | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 46.87            | 1.93        | 54.0           | 7.13        | AV       | 164.00         | 100         | Horizontal | Pass    |
| 2   | 5350.165        | 60.55            | 1.92        | 74.0           | 13.45       | Peak     | 144.00         | 100         | Horizontal | Pass    |
| 2** | 5350.165        | 46.34            | 1.92        | 54.0           | 7.66        | AV       | 144.00         | 100         | Horizontal | Pass    |

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

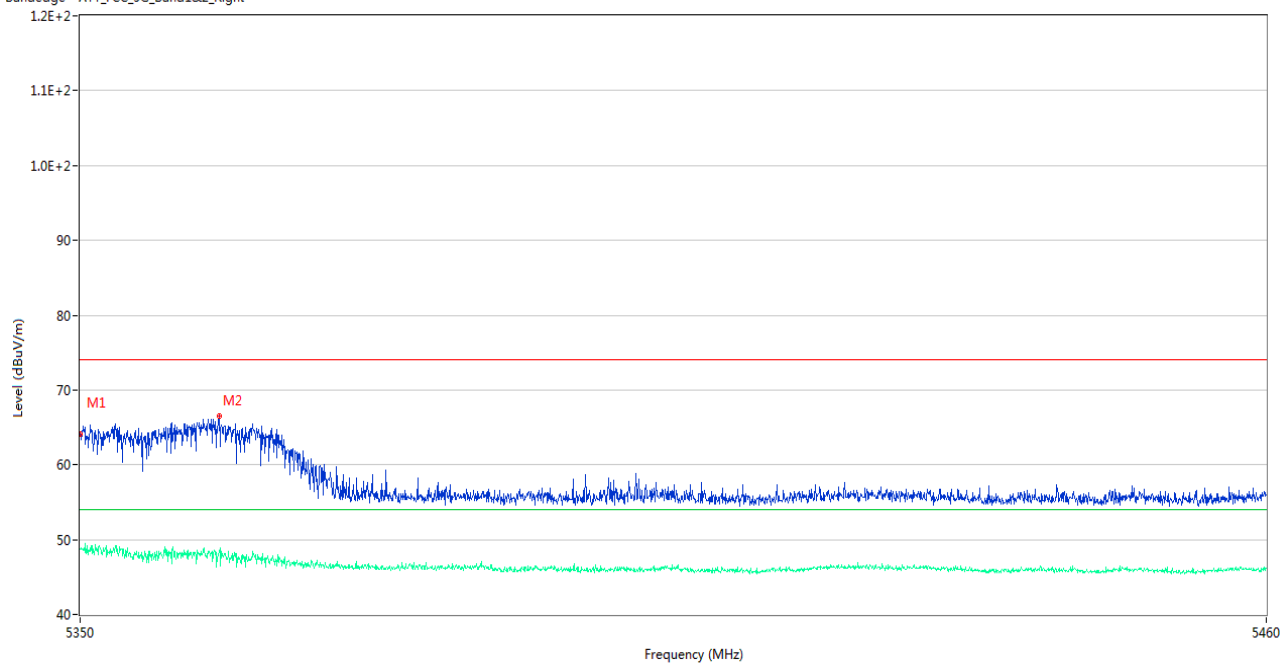
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5052.175        | 57.25            | 2.07        | 74.0           | 16.75       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 1** | 5052.175        | 45.29            | 2.07        | 54.0           | 8.71        | AV       | 0.00           | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 55.64            | 2.07        | 74.0           | 18.36       | Peak     | 85.00          | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.59            | 2.07        | 54.0           | 8.41        | AV       | 85.00          | 200         | Horizontal | Pass    |

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

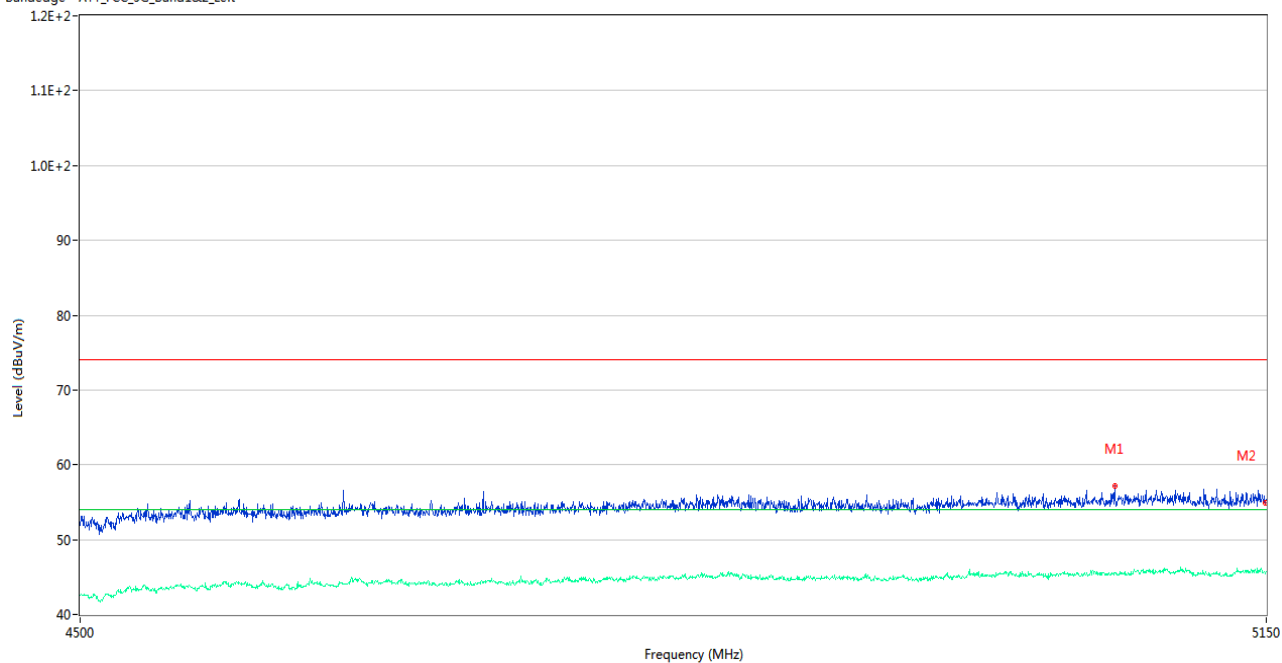
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 64.10            | 1.93        | 74.0           | 9.90        | Peak     | 182.00         | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 48.68            | 1.93        | 54.0           | 5.32        | AV       | 182.00         | 100         | Horizontal | Pass    |
| 2   | 5362.815        | 66.49            | 2.24        | 74.0           | 7.51        | Peak     | 173.00         | 100         | Horizontal | Pass    |
| 2** | 5362.815        | 48.26            | 2.24        | 54.0           | 5.74        | AV       | 173.00         | 100         | Horizontal | Pass    |

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

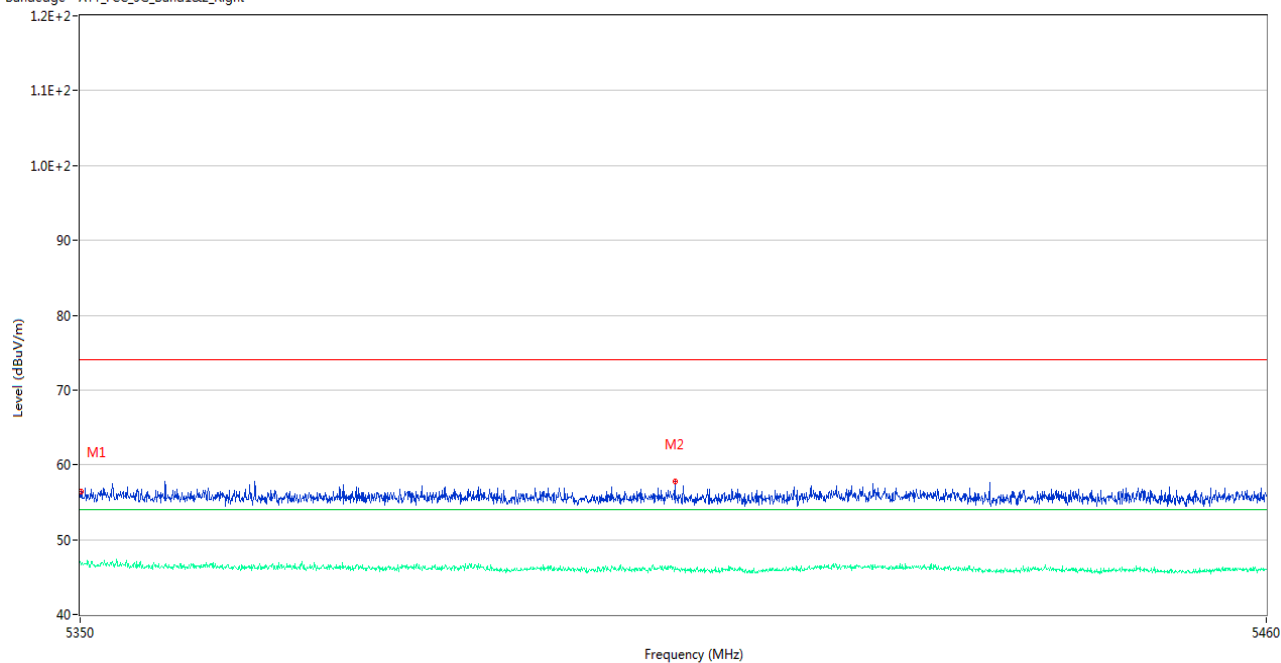
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5061.925        | 57.14            | 2.15        | 74.0           | 16.86       | Peak     | 32.00          | 200         | Horizontal | Pass    |
| 1** | 5061.925        | 45.54            | 2.15        | 54.0           | 8.46        | AV       | 32.00          | 200         | Horizontal | Pass    |
| 2   | 5149.675        | 54.91            | 2.07        | 74.0           | 19.09       | Peak     | 90.00          | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.48            | 2.07        | 54.0           | 8.52        | AV       | 90.00          | 200         | Horizontal | Pass    |

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

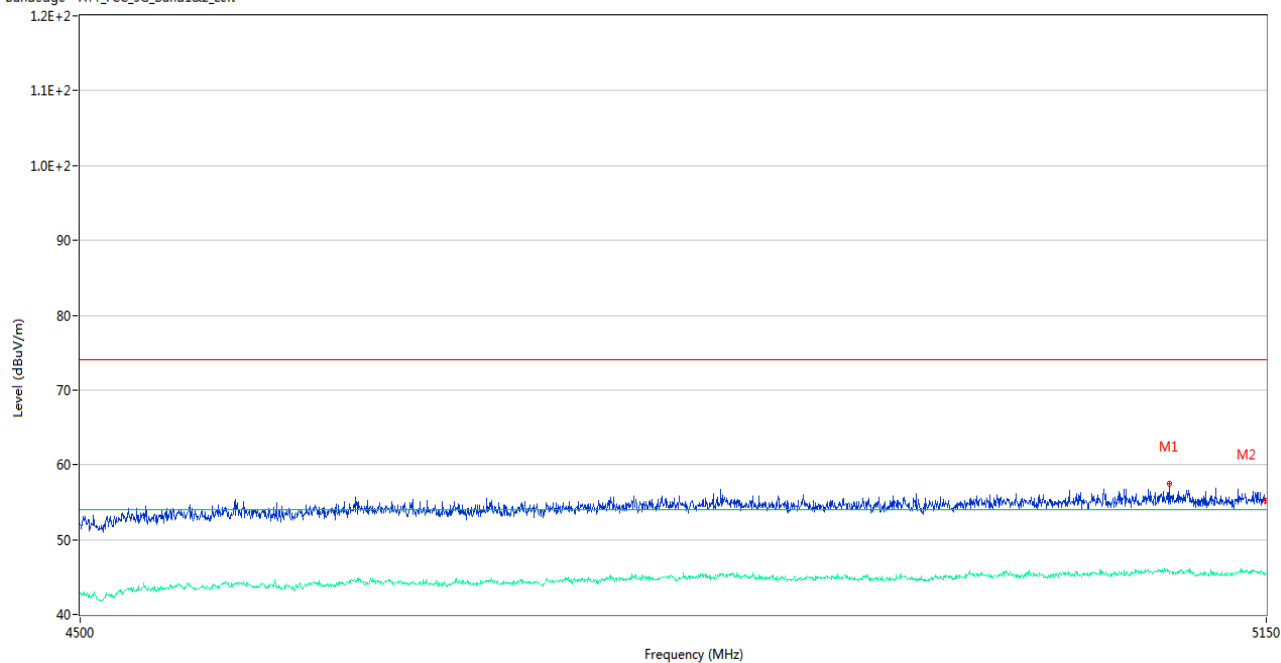
Bandedge - ATT\_FCC\_5G\_Band1&amp;2\_Right



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 56.47            | 1.93        | 74.0           | 17.53       | Peak     | 164.00         | 100         | Horizontal | Pass    |
| 1** | 5350.055        | 46.68            | 1.93        | 54.0           | 7.32        | AV       | 164.00         | 100         | Horizontal | Pass    |
| 2   | 5404.890        | 57.79            | 2.10        | 74.0           | 16.21       | Peak     | 79.00          | 100         | Horizontal | Pass    |
| 2** | 5404.890        | 46.17            | 2.10        | 54.0           | 7.83        | AV       | 79.00          | 100         | Horizontal | Pass    |

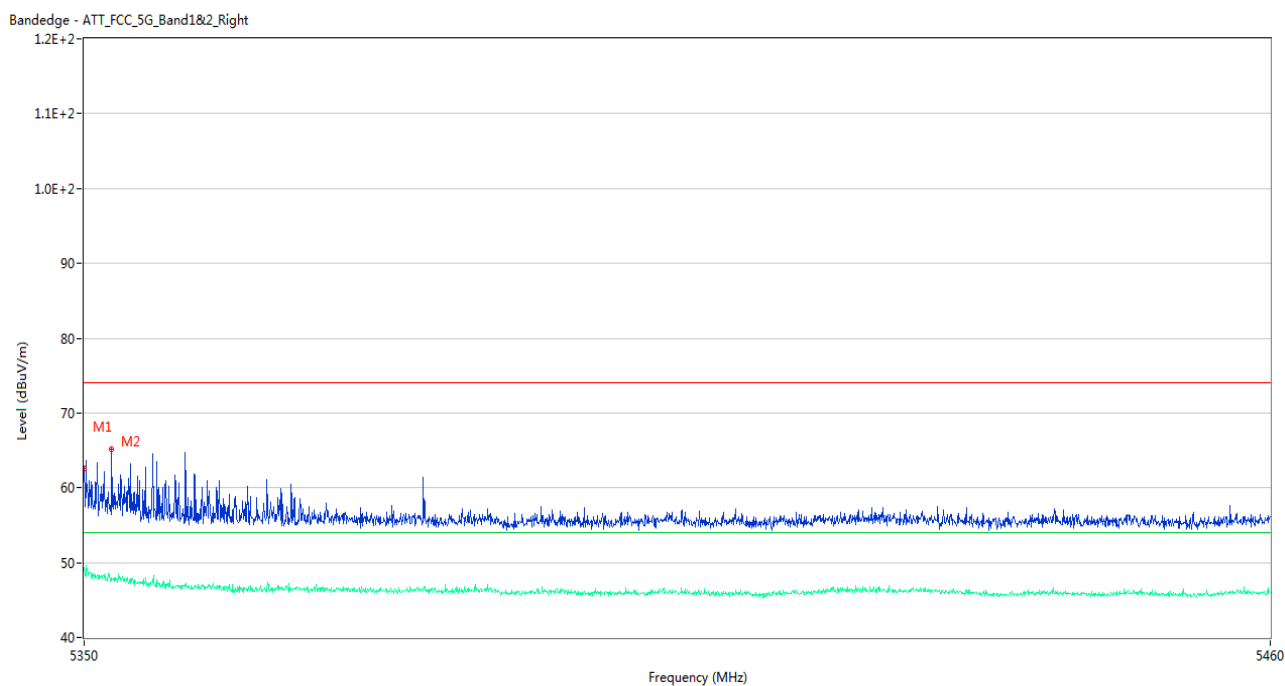
## U-NII-2A 11ac40 Low Channel

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   | 5093.450        | 57.43            | 2.27        | 74.0           | 16.57       | Peak     | 308.00         | 100         | Horizontal | Pass    |
| 1** | 5093.450        | 45.75            | 2.27        | 54.0           | 8.25        | AV       | 308.00         | 100         | Horizontal | Pass    |
| 2   | 5149.675        | 55.27            | 2.07        | 74.0           | 18.73       | Peak     | 72.00          | 150         | Horizontal | Pass    |
| 2** | 5149.675        | 45.38            | 2.07        | 54.0           | 8.62        | AV       | 72.00          | 150         | Horizontal | Pass    |

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

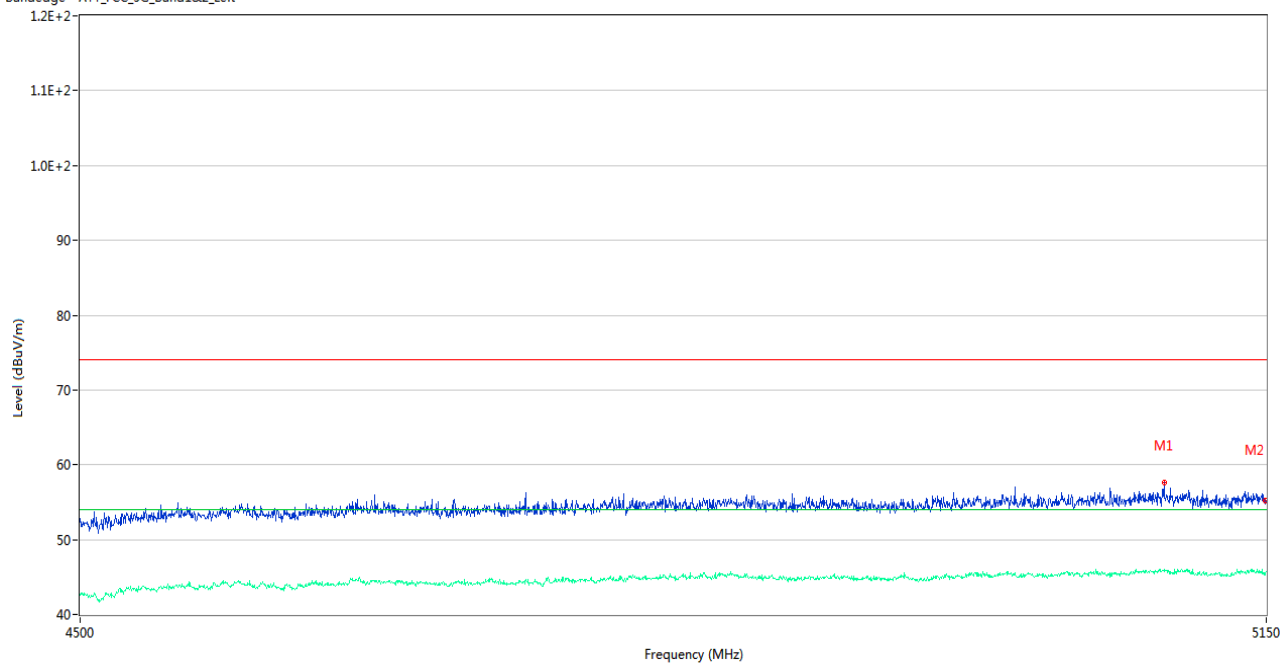


| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 62.59            | 1.93        | 74.0           | 11.41       | Peak     | 163.00         | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 49.33            | 1.93        | 54.0           | 4.67        | AV       | 163.00         | 100         | Horizontal | Pass    |
| 2   | 5352.530        | 65.10            | 2.11        | 74.0           | 8.90        | Peak     | 101.00         | 200         | Horizontal | Pass    |
| 2** | 5352.530        | 47.47            | 2.11        | 54.0           | 6.53        | AV       | 101.00         | 200         | Horizontal | Pass    |



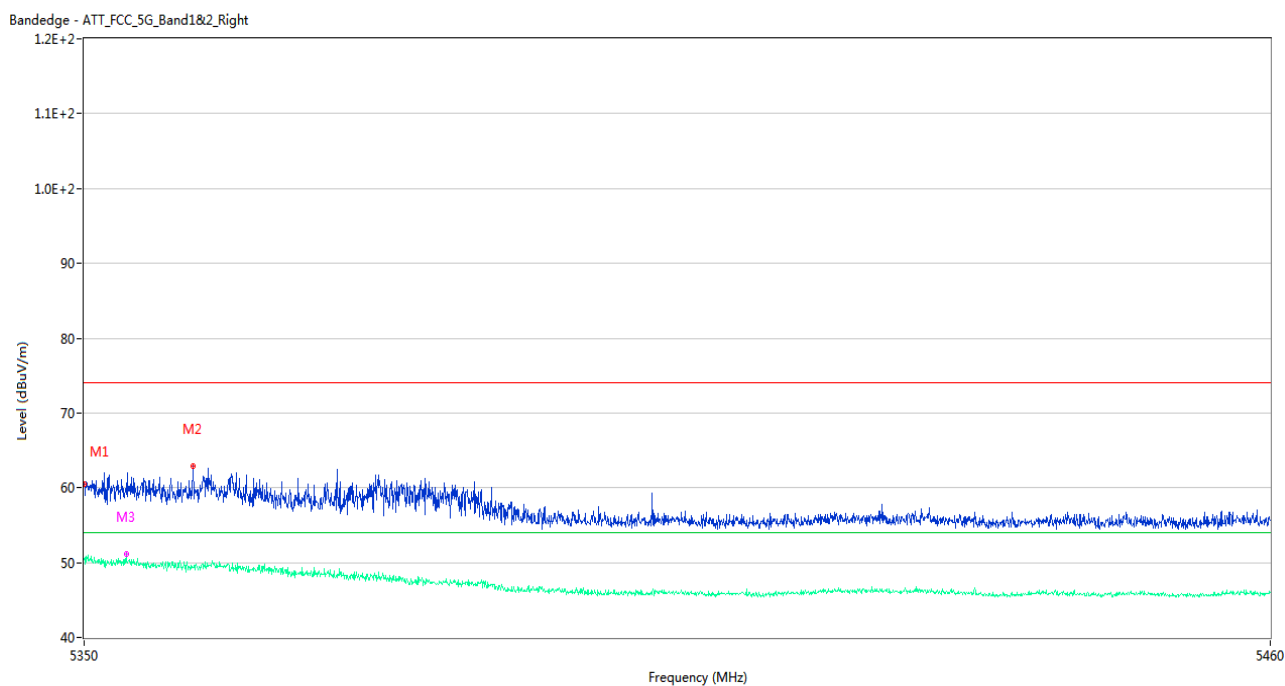
## U-NII-2A 11ac80 Middle Channel

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



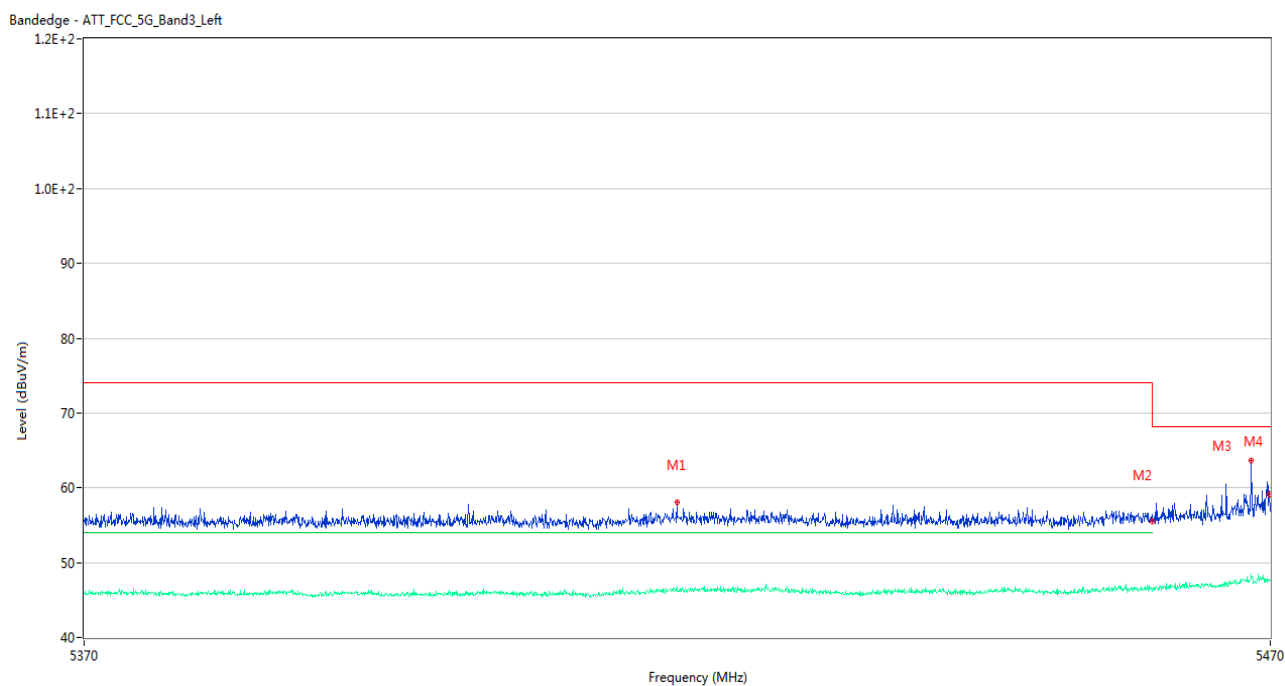
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5090.525        | 57.61            | 2.43        | 74.0           | 16.39       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 5090.525        | 45.78            | 2.43        | 54.0           | 8.22        | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 5149.675        | 55.23            | 2.07        | 74.0           | 18.77       | Peak     | 69.00          | 200         | Horizontal | Pass    |
| 2** | 5149.675        | 45.52            | 2.07        | 54.0           | 8.48        | AV       | 69.00          | 200         | 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        | 60.56            | 1.93        | 74.0           | 13.44       | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 1** | 5350.000        | 50.34            | 1.93        | 54.0           | 3.66        | AV       | 166.00         | 150         | Horizontal | Pass    |
| 2   | 5360.010        | 62.85            | 2.27        | 74.0           | 11.15       | Peak     | 170.00         | 200         | Horizontal | Pass    |
| 2** | 5360.010        | 49.38            | 2.27        | 54.0           | 4.62        | AV       | 170.00         | 200         | Horizontal | Pass    |
| 3   | 5353.850        | 59.17            | 2.12        | 74.0           | 14.83       | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 3** | 5353.850        | 50.98            | 2.12        | 54.0           | 3.02        | AV       | 170.00         | 150         | Horizontal | Pass    |

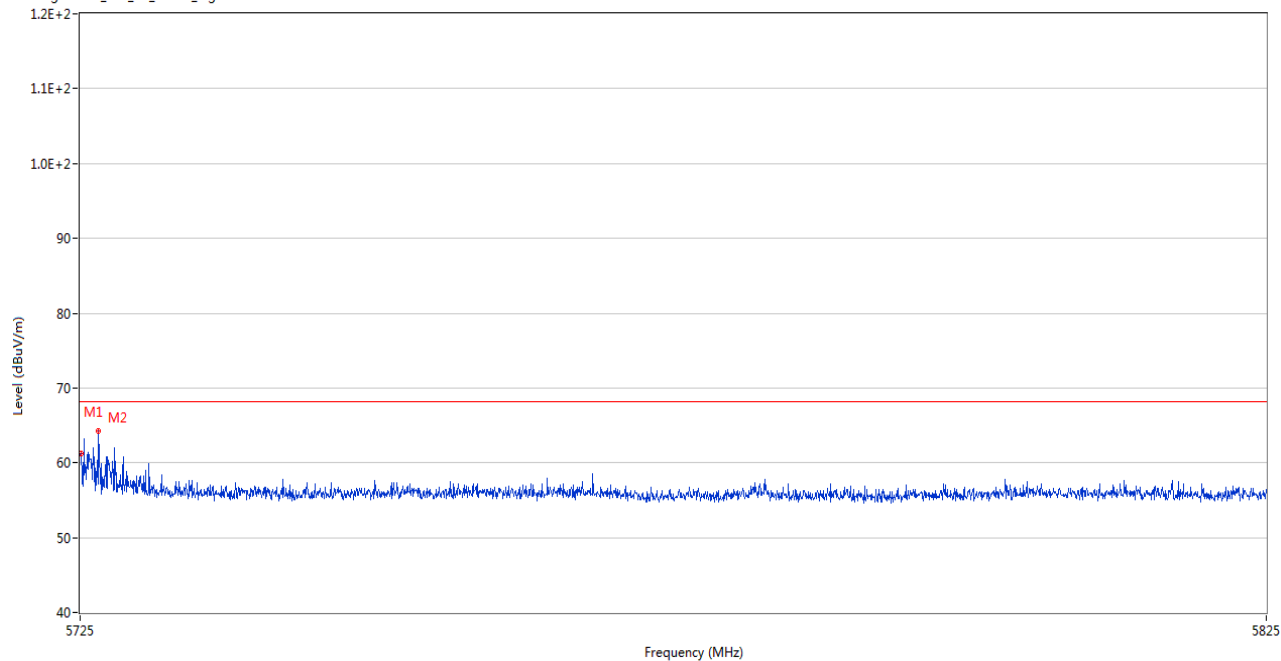
## U-NII-2C 11a Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5419.750        | 58.07            | 2.45        | 74.0           | 15.93       | Peak     | 194.00         | 100         | Horizontal | Pass    |
| 1** | 5419.750        | 46.71            | 2.45        | 54.0           | 7.29        | AV       | 194.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 55.49            | 2.50        | 74.0           | 18.51       | Peak     | 251.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 46.47            | 2.50        | 54.0           | 7.53        | AV       | 251.00         | 100         | Horizontal | Pass    |
| 3   | 5468.400        | 63.71            | 3.07        | 68.2           | 4.49        | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 3** | 5468.400        | 48.41            | 3.07        | --             | --          | AV       | 166.00         | 150         | Horizontal | N/A     |
| 4   | 5469.950        | 59.21            | 2.87        | 68.2           | 8.99        | Peak     | 163.00         | 200         | Horizontal | Pass    |
| 4** | 5469.950        | 47.55            | 2.87        | --             | --          | AV       | 163.00         | 200         | Horizontal | N/A     |

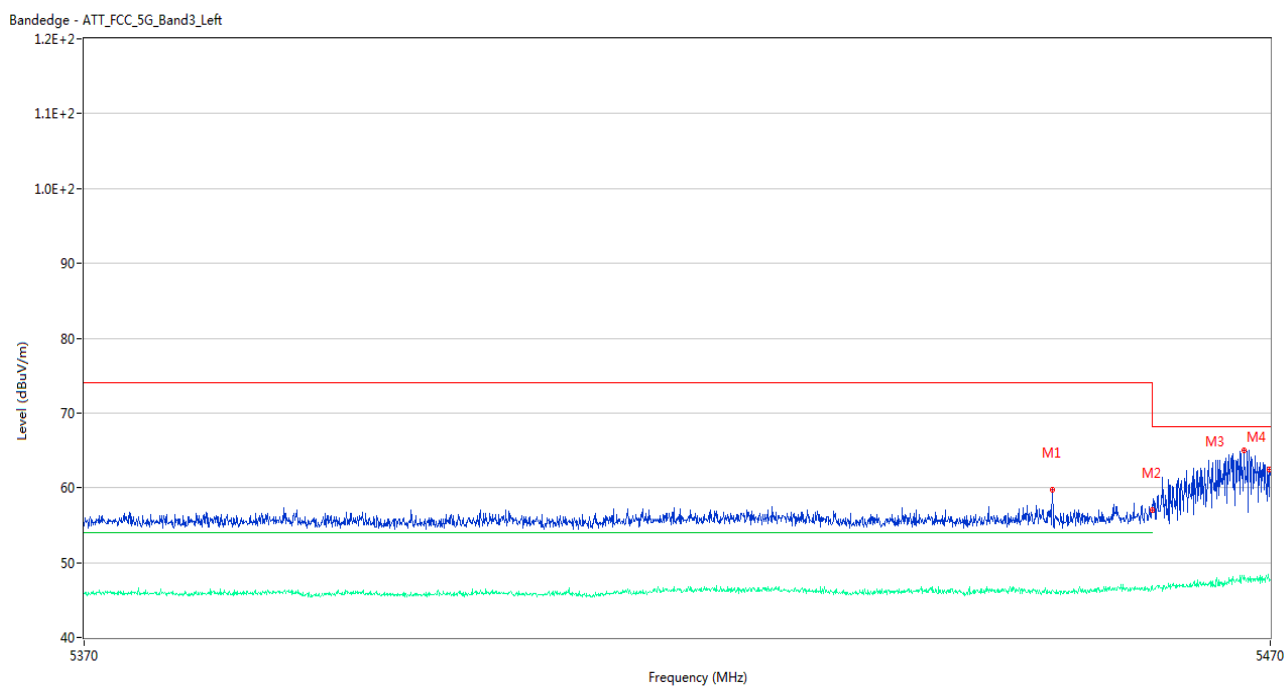
## U-NII-2C 11a High Channel

Bandedge - ATT\_FCC\_5G\_Band3\_Right



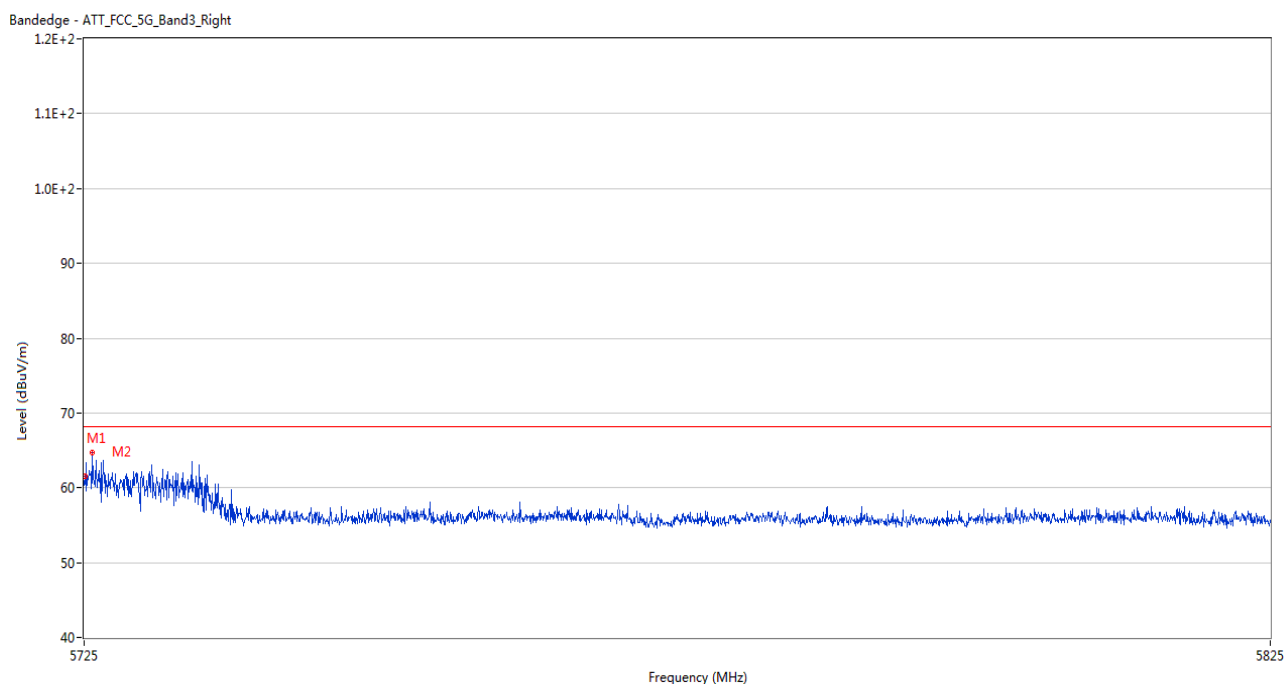
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.050        | 61.19            | 2.55        | 68.2           | 7.01        | Peak     | 176.00         | 100         | Horizontal | Pass    |
| 2   | 5726.550        | 64.24            | 2.52        | 68.2           | 3.96        | Peak     | 159.00         | 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   | 5451.500        | 59.76            | 2.17        | 74.0           | 14.24       | Peak     | 173.00         | 150         | Horizontal | Pass    |
| 1** | 5451.500        | 46.35            | 2.17        | 54.0           | 7.65        | AV       | 173.00         | 150         | Horizontal | Pass    |
| 2   | 5460.000        | 57.05            | 2.50        | 74.0           | 16.95       | Peak     | 142.00         | 150         | Horizontal | Pass    |
| 2** | 5460.000        | 46.63            | 2.50        | 54.0           | 7.37        | AV       | 142.00         | 150         | Horizontal | Pass    |
| 3   | 5467.750        | 65.05            | 3.16        | 68.2           | 3.15        | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 3** | 5467.750        | 47.73            | 3.16        | --             | --          | AV       | 170.00         | 150         | Horizontal | N/A     |
| 4   | 5469.950        | 62.51            | 2.87        | 68.2           | 5.69        | Peak     | 179.00         | 100         | Horizontal | Pass    |
| 4** | 5469.950        | 47.73            | 2.87        | --             | --          | AV       | 179.00         | 100         | Horizontal | N/A     |

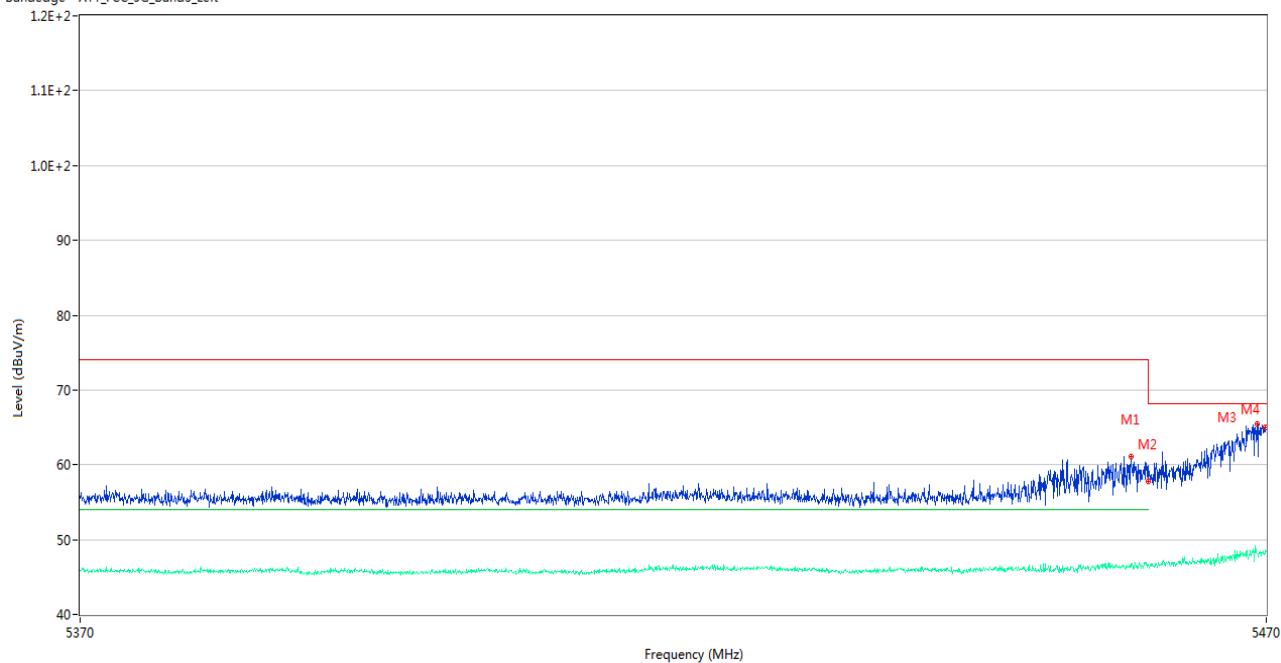
## U-NII-2C 11n20 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.050        | 61.59            | 2.55        | 68.2           | 6.61        | Peak     | 173.00         | 100         | Horizontal | Pass    |
| 2   | 5725.700        | 64.73            | 2.54        | 68.2           | 3.47        | Peak     | 162.00         | 150         | Horizontal | Pass    |

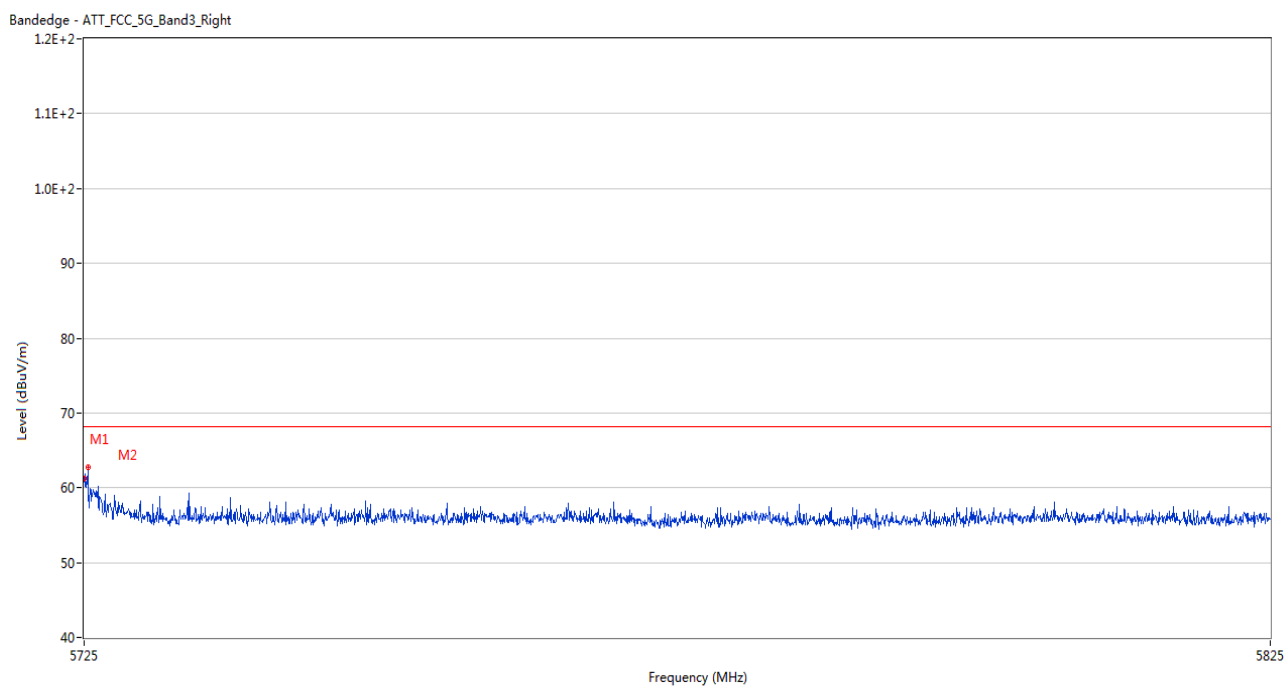
## U-NII-2C 11n40 Low Channel

Bandedge - ATT\_FCC\_5G\_Band3\_Left



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5458.500        | 61.12            | 2.44        | 74.0           | 12.88       | Peak     | 167.00         | 100         | Horizontal | Pass    |
| 1** | 5458.500        | 46.37            | 2.44        | 54.0           | 7.63        | AV       | 167.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 57.76            | 2.50        | 74.0           | 16.24       | Peak     | 155.00         | 150         | Horizontal | Pass    |
| 2** | 5460.000        | 46.63            | 2.50        | 54.0           | 7.37        | AV       | 155.00         | 150         | Horizontal | Pass    |
| 3   | 5469.250        | 65.17            | 2.95        | 68.2           | 3.03        | Peak     | 169.00         | 150         | Horizontal | Pass    |
| 3** | 5469.250        | 48.11            | 2.95        | --             | --          | AV       | 169.00         | 150         | Horizontal | N/A     |
| 4   | 5469.950        | 65.00            | 2.87        | 68.2           | 3.20        | Peak     | 169.00         | 200         | Horizontal | Pass    |
| 4** | 5469.950        | 48.53            | 2.87        | --             | --          | AV       | 169.00         | 200         | Horizontal | N/A     |

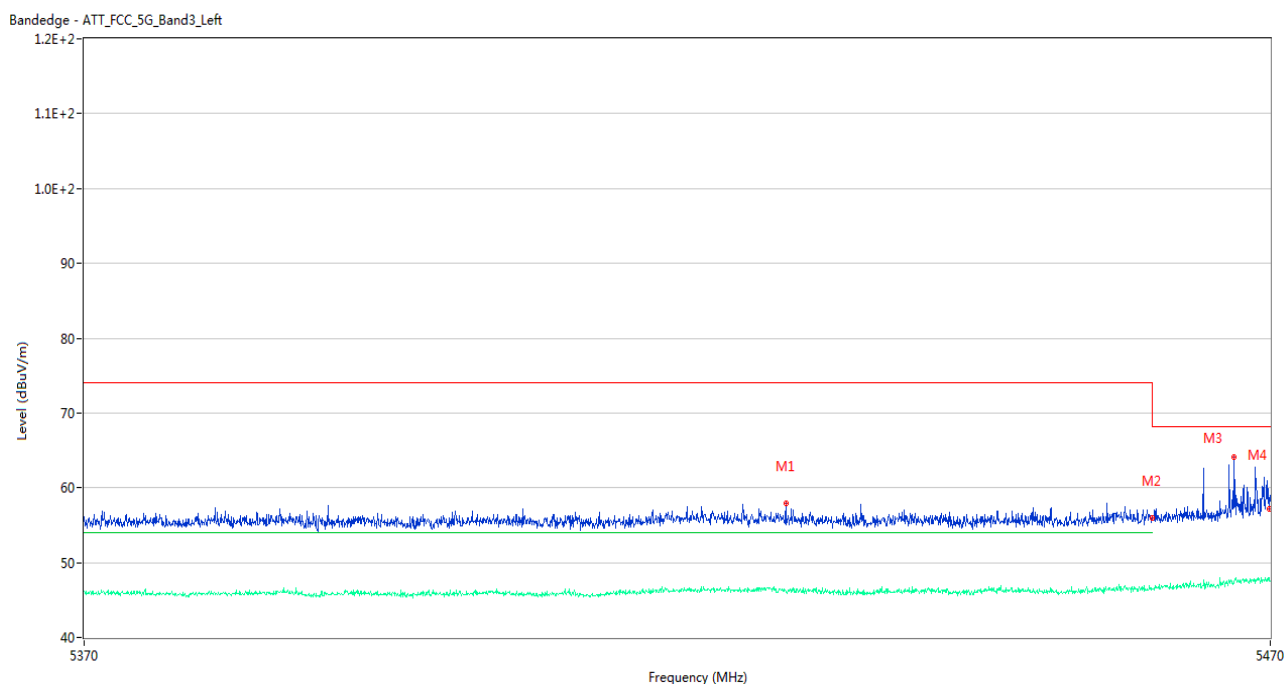
## U-NII-2C 11n40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 61.27            | 2.55        | 68.2           | 6.93        | Peak     | 158.00         | 150         | Horizontal | Pass    |
| 2   | 5725.300        | 62.72            | 2.54        | 68.2           | 5.48        | Peak     | 158.00         | 150         | Horizontal | Pass    |

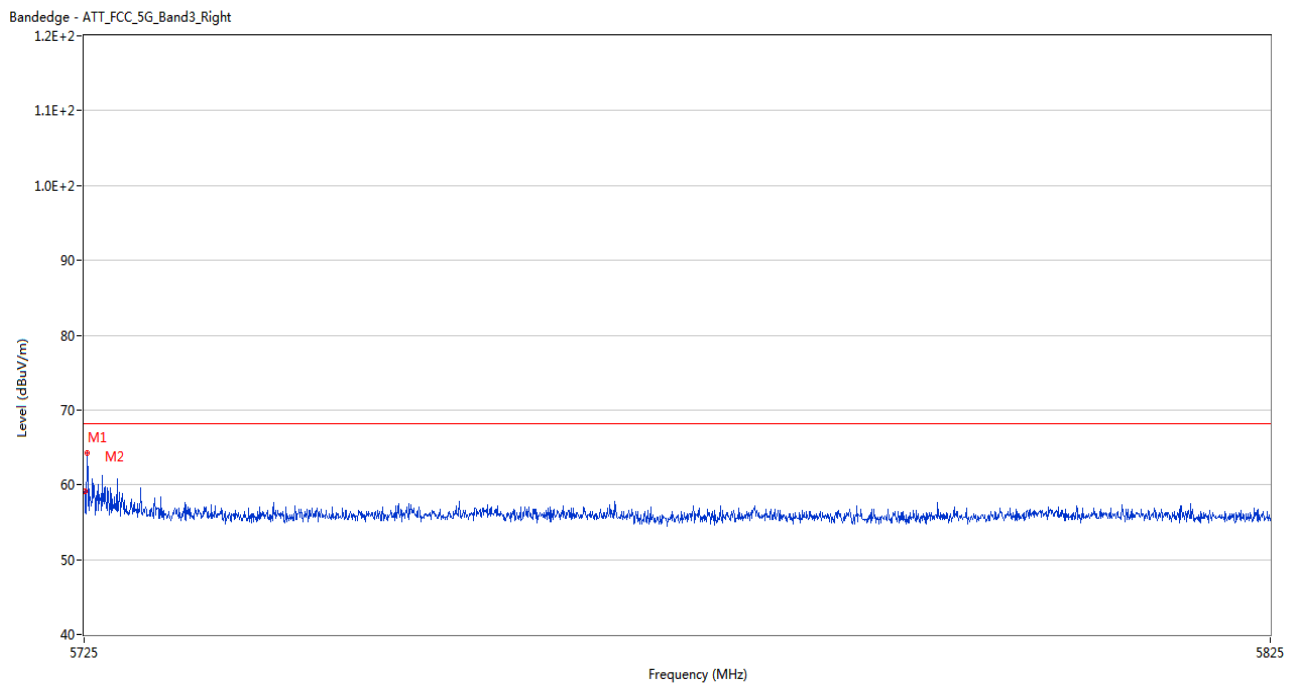


## U-NII-2C 11ac20 Low Channel



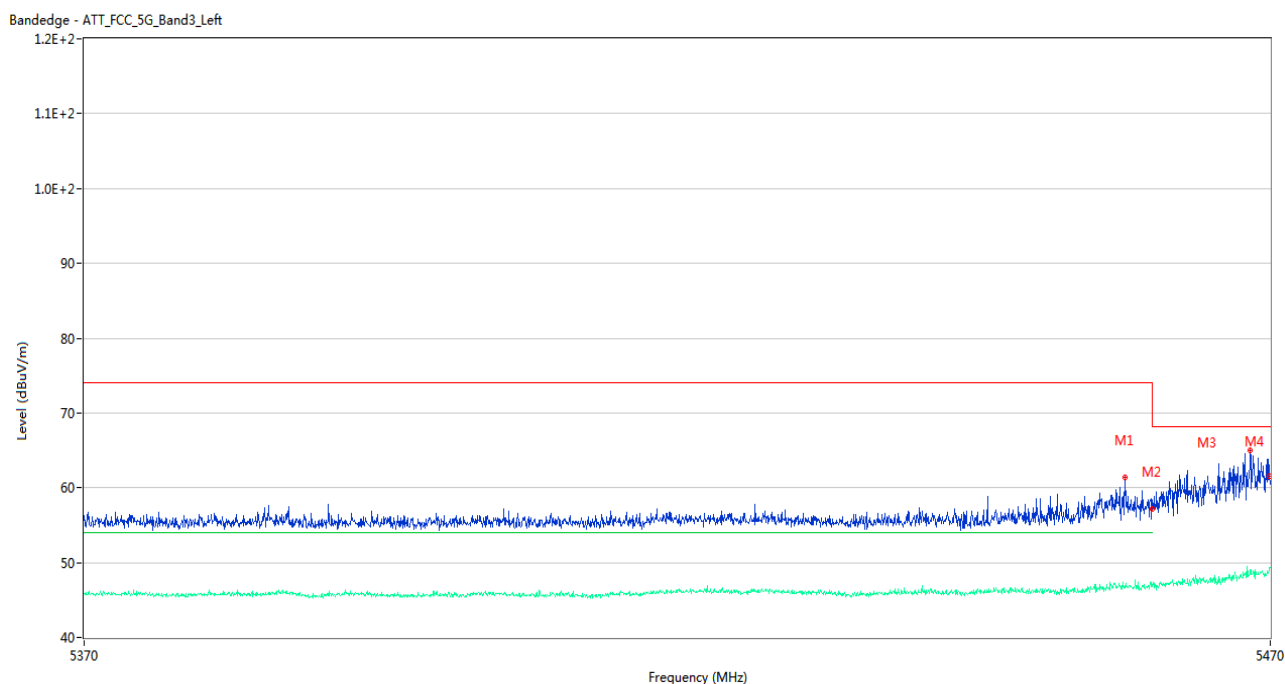
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5428.950        | 57.90            | 2.36        | 74.0           | 16.10       | Peak     | 159.00         | 200         | Horizontal | Pass    |
| 1** | 5428.950        | 46.23            | 2.36        | 54.0           | 7.77        | AV       | 159.00         | 200         | Horizontal | Pass    |
| 2   | 5460.000        | 55.89            | 2.50        | 74.0           | 18.11       | Peak     | 196.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 46.53            | 2.50        | 54.0           | 7.47        | AV       | 196.00         | 100         | Horizontal | Pass    |
| 3   | 5466.950        | 64.15            | 2.98        | 68.2           | 4.05        | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 3** | 5466.950        | 47.34            | 2.98        | --             | --          | AV       | 162.00         | 150         | Horizontal | N/A     |
| 4   | 5469.950        | 57.15            | 2.87        | 68.2           | 11.05       | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 47.49            | 2.87        | --             | --          | AV       | 170.00         | 150         | Horizontal | N/A     |

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



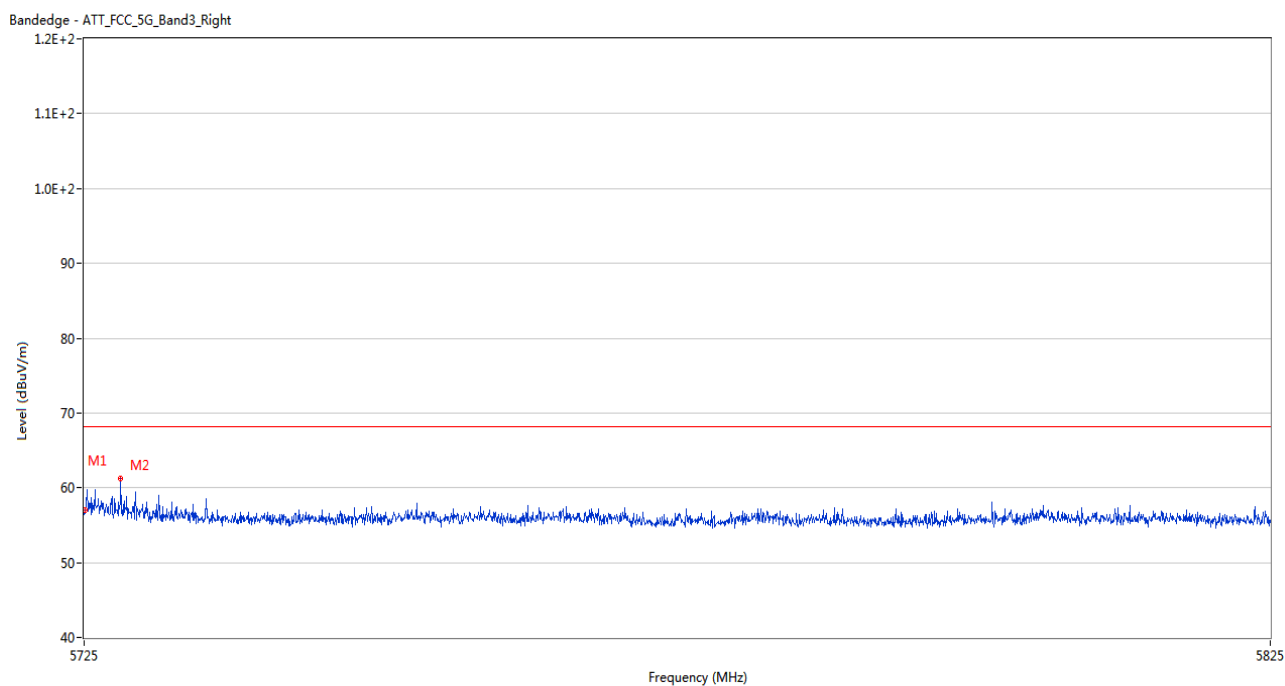
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.050        | 59.17            | 2.55        | 68.2           | 9.03        | Peak     | 252.00         | 100         | Horizontal | Pass    |
| 2   | 5725.250        | 64.26            | 2.55        | 68.2           | 3.94        | Peak     | 179.00         | 200         | Horizontal | Pass    |

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



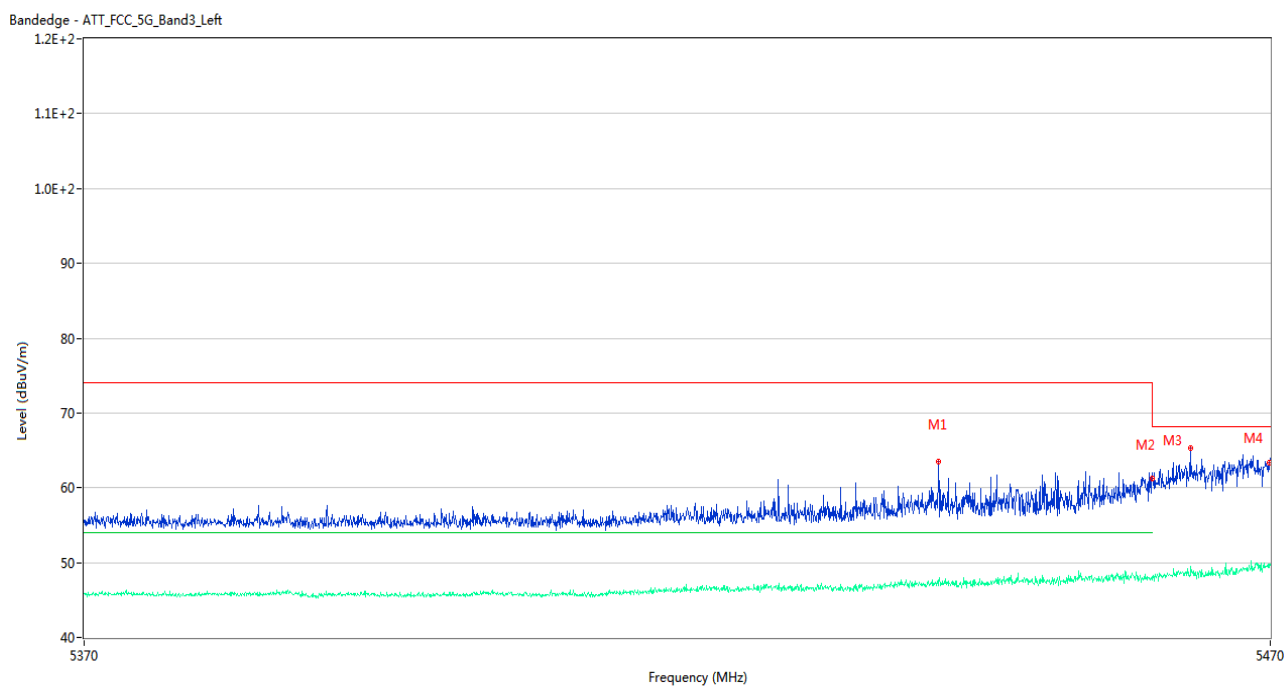
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5457.650        | 61.32            | 2.49        | 74.0           | 12.68       | Peak     | 163.00         | 150         | Horizontal | Pass    |
| 1** | 5457.650        | 46.70            | 2.49        | 54.0           | 7.30        | AV       | 163.00         | 150         | Horizontal | Pass    |
| 2   | 5460.000        | 57.10            | 2.50        | 74.0           | 16.90       | Peak     | 170.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 46.84            | 2.50        | 54.0           | 7.16        | AV       | 170.00         | 100         | Horizontal | Pass    |
| 3   | 5468.300        | 64.98            | 3.08        | 68.2           | 3.22        | Peak     | 166.00         | 100         | Horizontal | Pass    |
| 3** | 5468.300        | 49.02            | 3.08        | --             | --          | AV       | 166.00         | 100         | Horizontal | N/A     |
| 4   | 5469.950        | 61.51            | 2.87        | 68.2           | 6.69        | Peak     | 174.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 49.37            | 2.87        | --             | --          | AV       | 174.00         | 150         | Horizontal | N/A     |

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



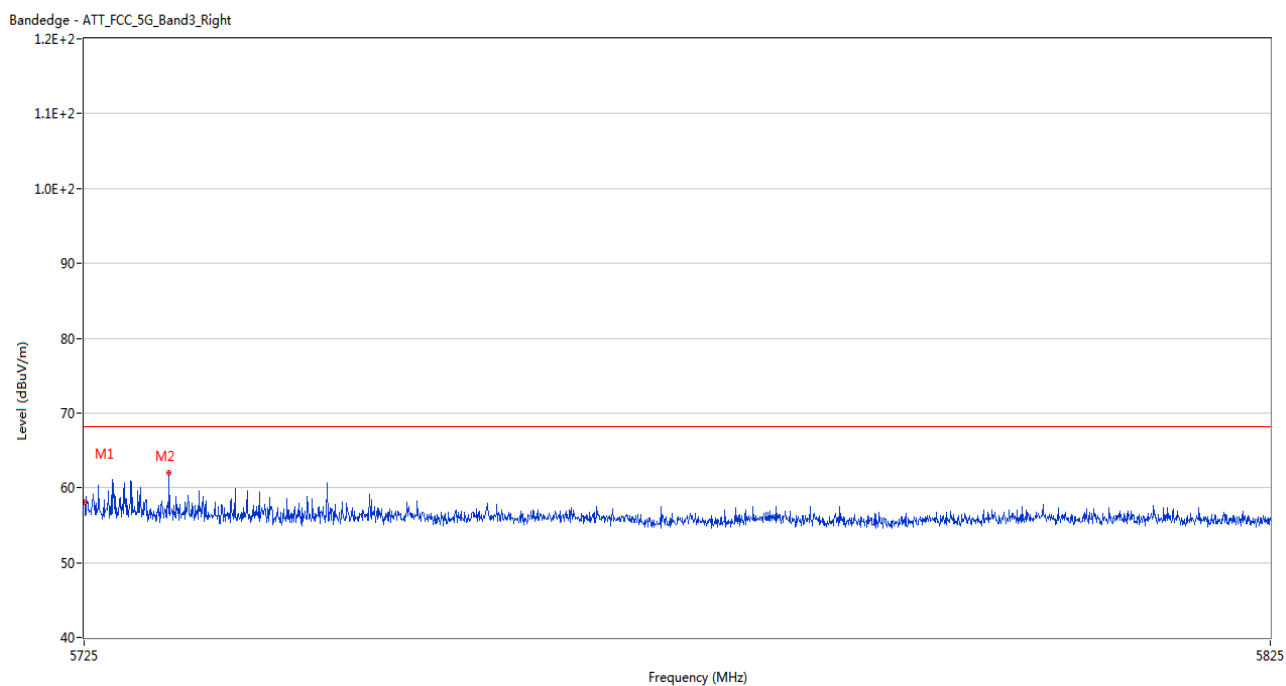
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.050        | 57.07            | 2.55        | 68.2           | 11.13       | Peak     | 161.00         | 200         | Horizontal | Pass    |
| 2   | 5728.050        | 61.27            | 2.58        | 68.2           | 6.93        | Peak     | 174.00         | 150         | Horizontal | Pass    |

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



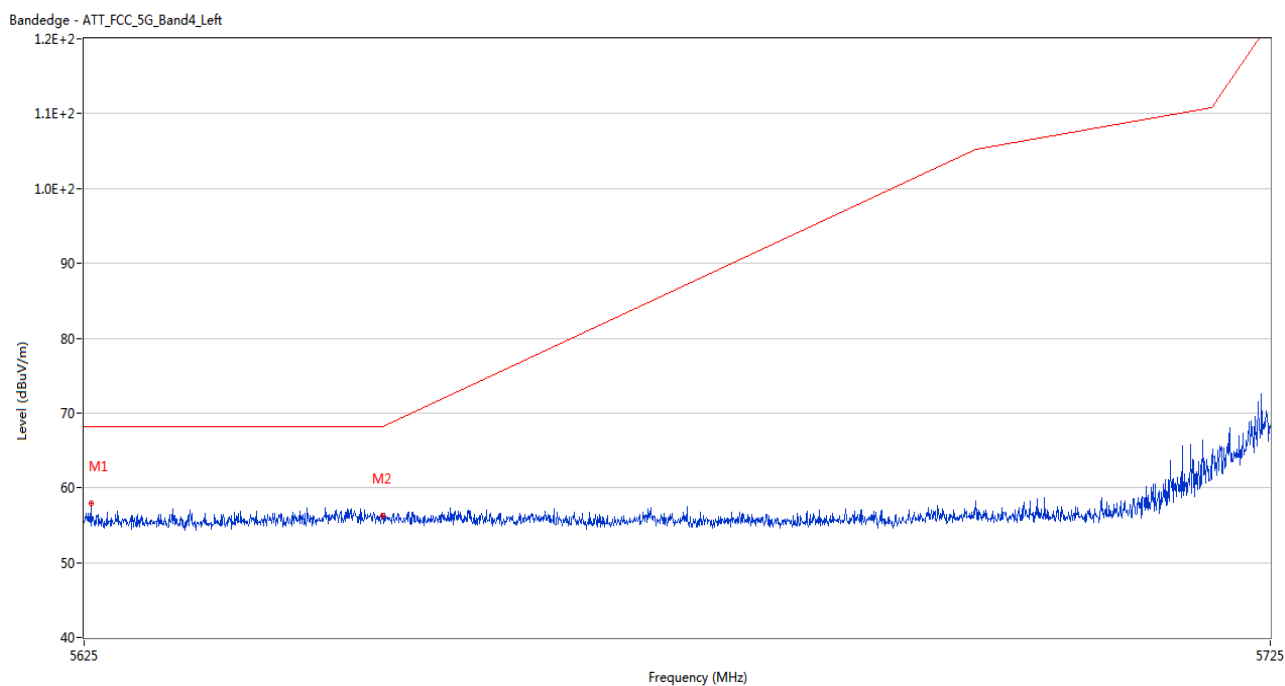
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5441.850        | 63.43            | 2.29        | 74.0           | 10.57       | Peak     | 150.00         | 100         | Horizontal | Pass    |
| 1** | 5441.850        | 47.40            | 2.29        | 54.0           | 6.60        | AV       | 150.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 61.22            | 2.50        | 74.0           | 12.78       | Peak     | 175.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 48.13            | 2.50        | 54.0           | 5.87        | AV       | 175.00         | 100         | Horizontal | Pass    |
| 3   | 5463.200        | 65.18            | 2.80        | 68.2           | 3.02        | Peak     | 172.00         | 150         | Horizontal | Pass    |
| 3** | 5463.200        | 48.25            | 2.80        | --             | --          | AV       | 172.00         | 150         | Horizontal | N/A     |
| 4   | 5469.950        | 63.31            | 2.87        | 68.2           | 4.89        | Peak     | 147.00         | 150         | Horizontal | Pass    |
| 4** | 5469.950        | 49.41            | 2.87        | --             | --          | AV       | 147.00         | 150         | Horizontal | N/A     |

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



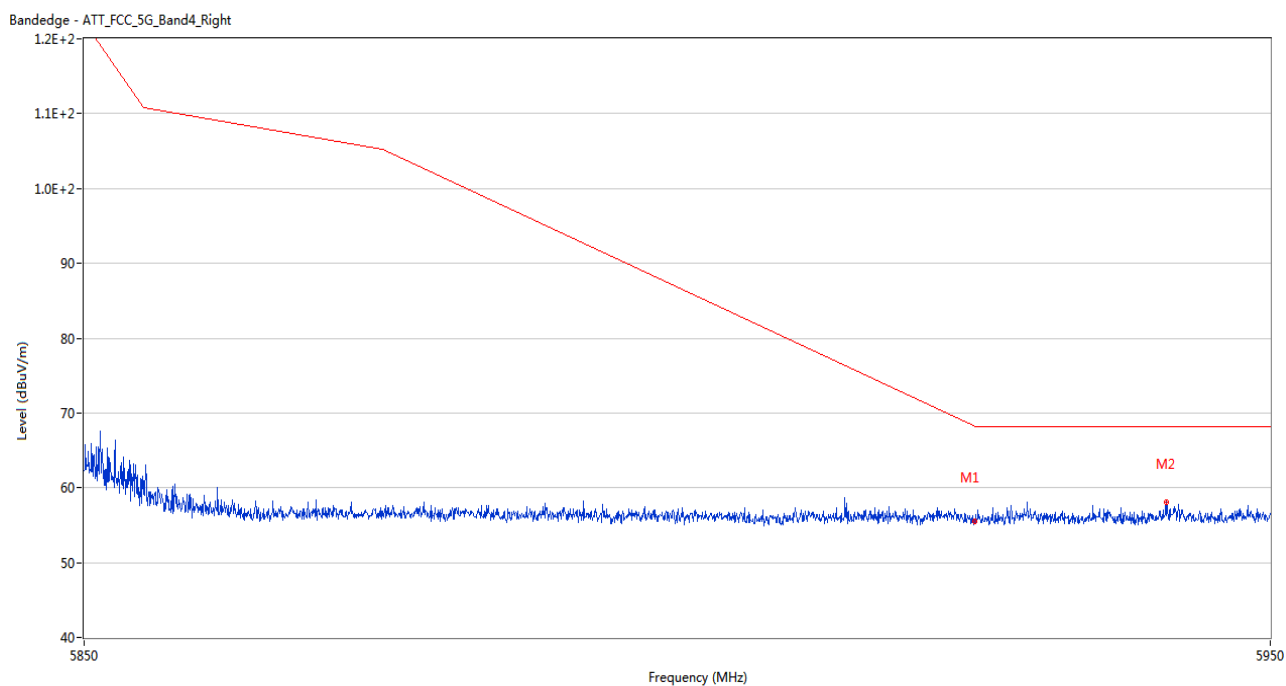
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 58.07            | 2.55        | 68.2           | 10.13       | Peak     | 155.00         | 100         | Horizontal | Pass    |
| 2   | 5732.100        | 61.97            | 2.20        | 68.2           | 6.23        | Peak     | 155.00         | 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   | 5625.550        | 57.98            | 2.38        | 68.2           | 10.22       | Peak     | 248.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 56.30            | 2.54        | 68.2           | 11.90       | Peak     | 232.00         | 150         | Horizontal | Pass    |

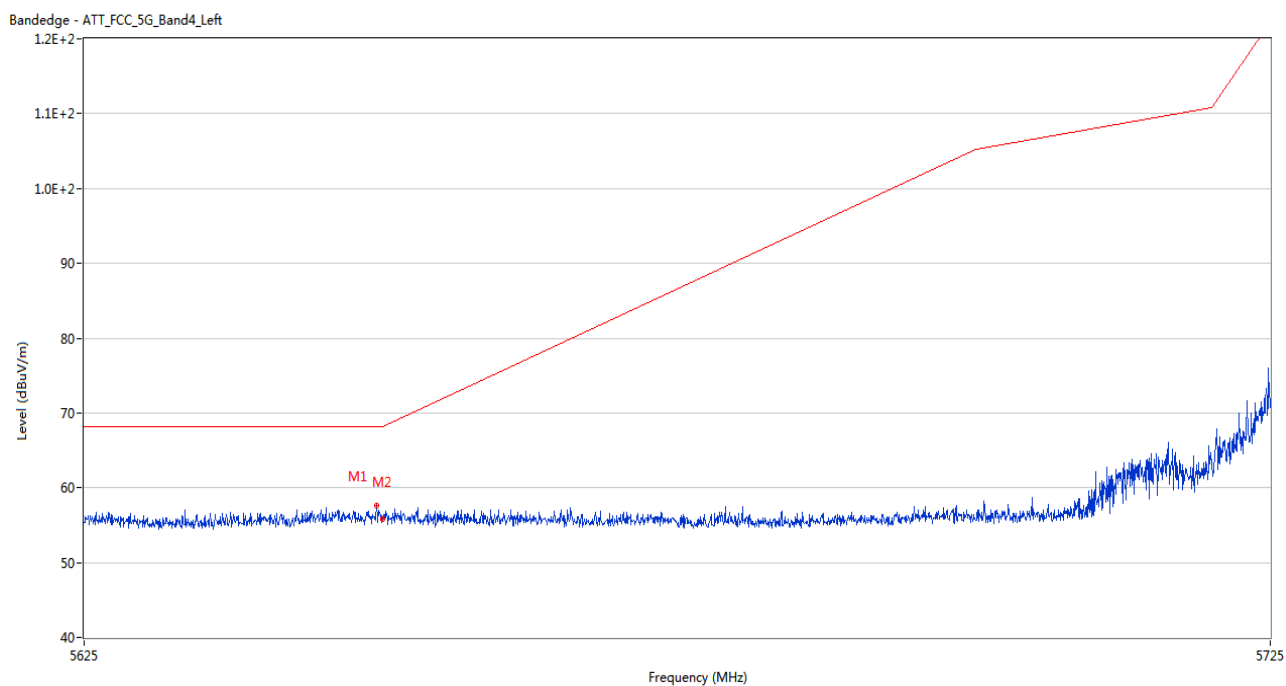
## U-NII-3 11a High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 55.47            | 2.32        | 68.2           | 12.73       | Peak     | 47.00          | 200         | Horizontal | Pass    |
| 2   | 5941.150        | 58.15            | 2.78        | 68.2           | 10.05       | Peak     | 112.00         | 100         | Horizontal | Pass    |

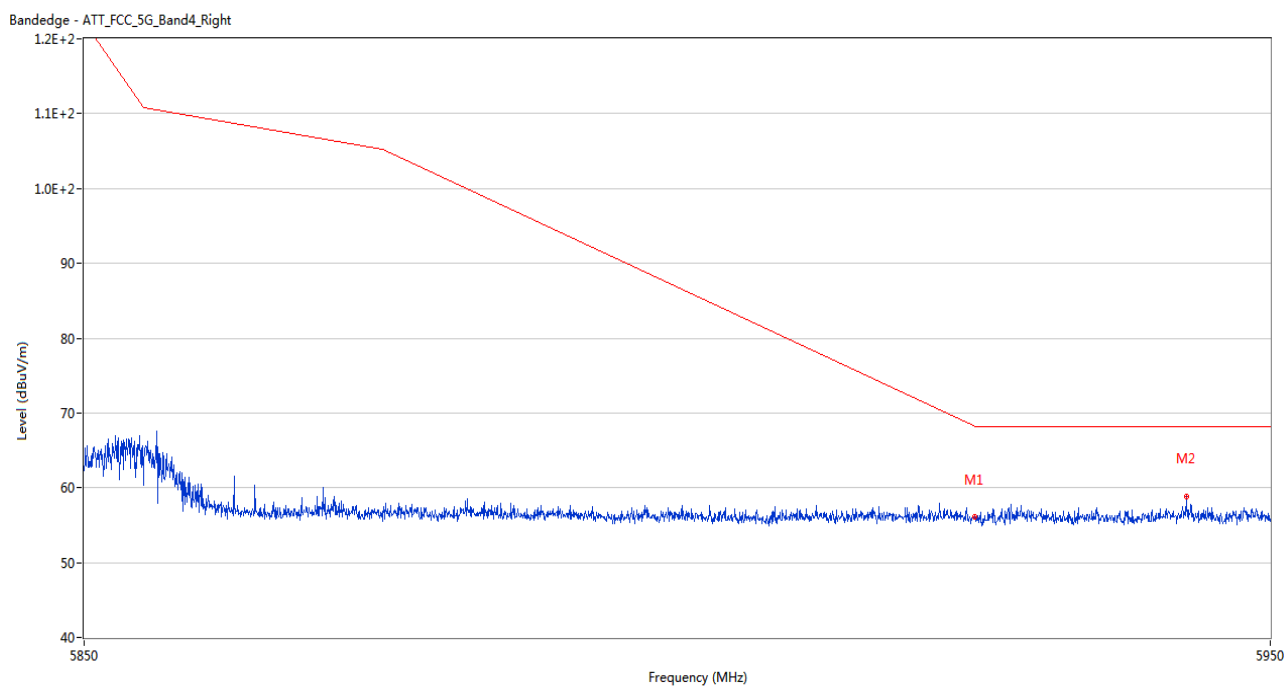


## U-NII-3 11n20 Low Channel



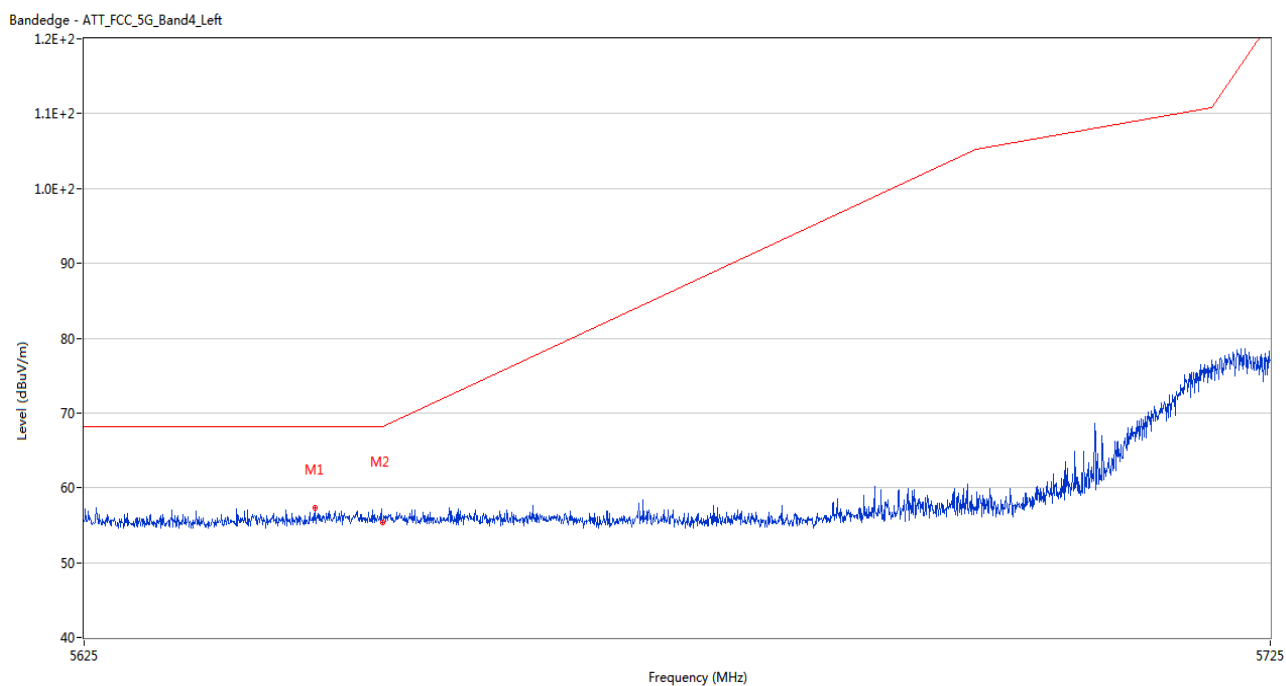
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5649.500        | 57.61            | 2.53        | 68.2           | 10.59       | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 2   | 5650.000        | 55.80            | 2.54        | 68.2           | 12.40       | Peak     | 231.00         | 150         | Horizontal | Pass    |

## U-NII-3 11n20 High Channel



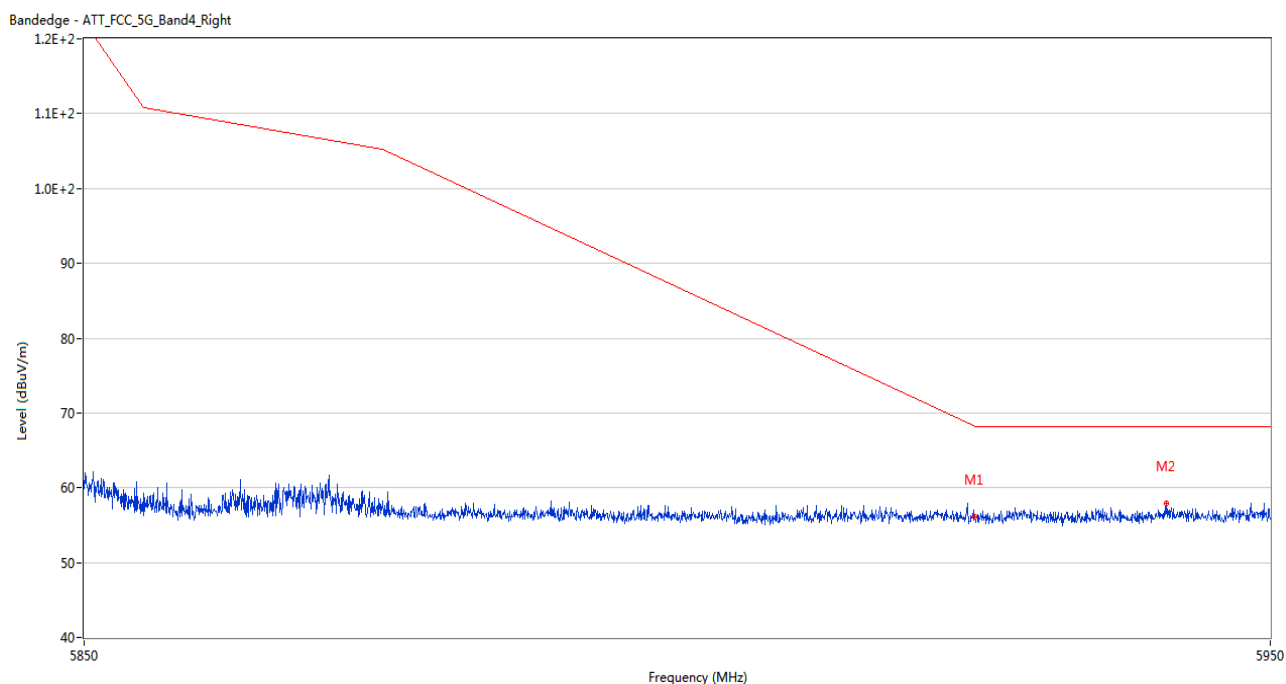
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 56.08            | 2.32        | 68.2           | 12.12       | Peak     | 293.00         | 150         | Horizontal | Pass    |
| 2   | 5942.850        | 58.88            | 2.64        | 68.2           | 9.32        | Peak     | 286.00         | 150         | Horizontal | Pass    |

## U-NII-3 11n40 Low Channel



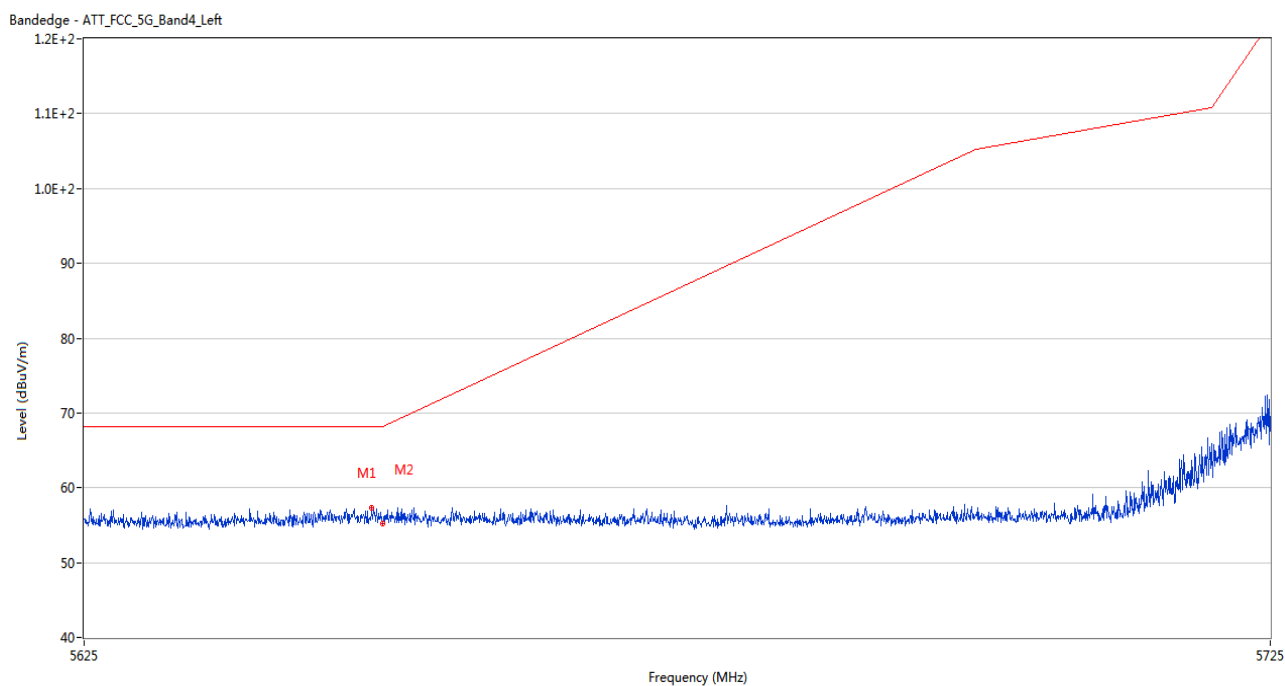
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5644.300        | 57.40            | 2.41        | 68.2           | 10.80       | Peak     | 112.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.33            | 2.54        | 68.2           | 12.87       | Peak     | 81.00          | 100         | Horizontal | Pass    |

## U-NII-3 11n40 High Channel



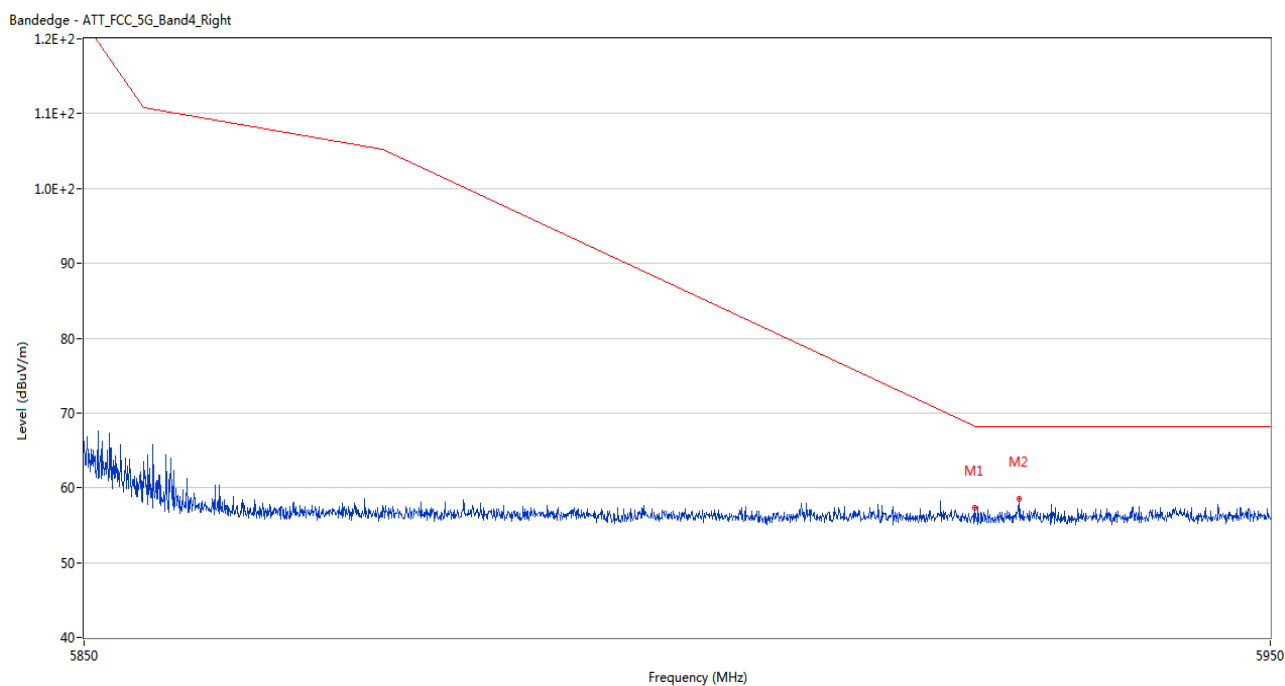
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 56.07            | 2.32        | 68.2           | 12.13       | Peak     | 230.00         | 200         | Horizontal | Pass    |
| 2   | 5941.200        | 57.97            | 2.80        | 68.2           | 10.23       | Peak     | 97.00          | 150         | Horizontal | Pass    |

## U-NII-3 11ac20 Low Channel



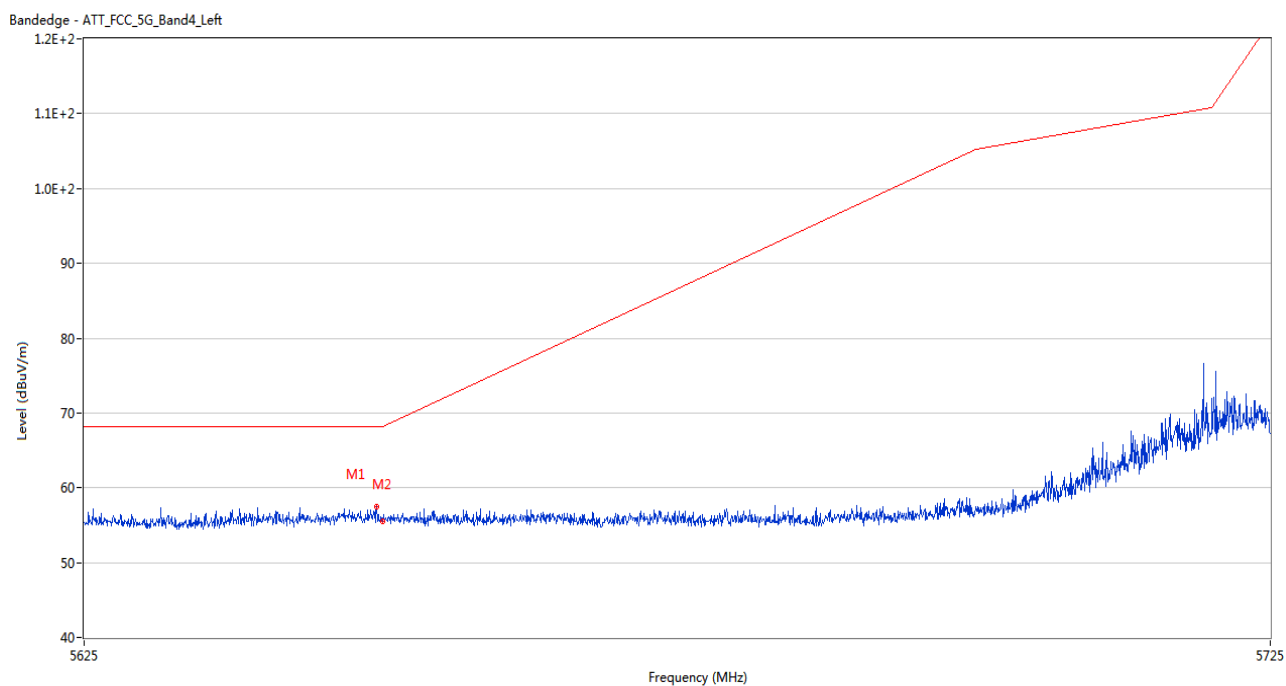
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5649.100        | 57.28            | 2.52        | 68.2           | 10.92       | Peak     | 176.00         | 150         | Horizontal | Pass    |
| 2   | 5650.000        | 55.27            | 2.54        | 68.2           | 12.93       | Peak     | 0.00           | 150         | Horizontal | Pass    |

## U-NII-3 11ac20 High Channel



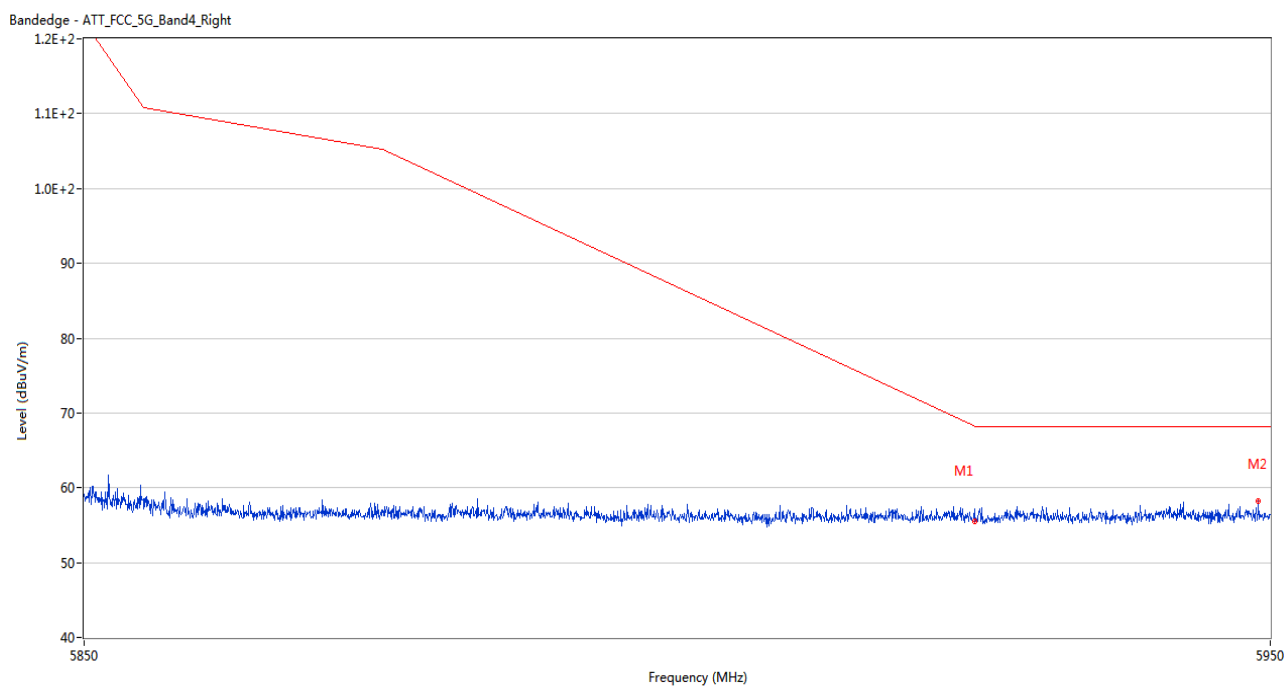
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 57.30            | 2.32        | 68.2           | 10.90       | Peak     | 179.00         | 150         | Horizontal | Pass    |
| 2   | 5928.650        | 58.54            | 2.67        | 68.2           | 9.66        | Peak     | 114.00         | 150         | Horizontal | Pass    |

## U-NII-3 11ac40 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5649.500        | 57.41            | 2.53        | 68.2           | 10.79       | Peak     | 153.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.45            | 2.54        | 68.2           | 12.75       | Peak     | 54.00          | 100         | Horizontal | Pass    |

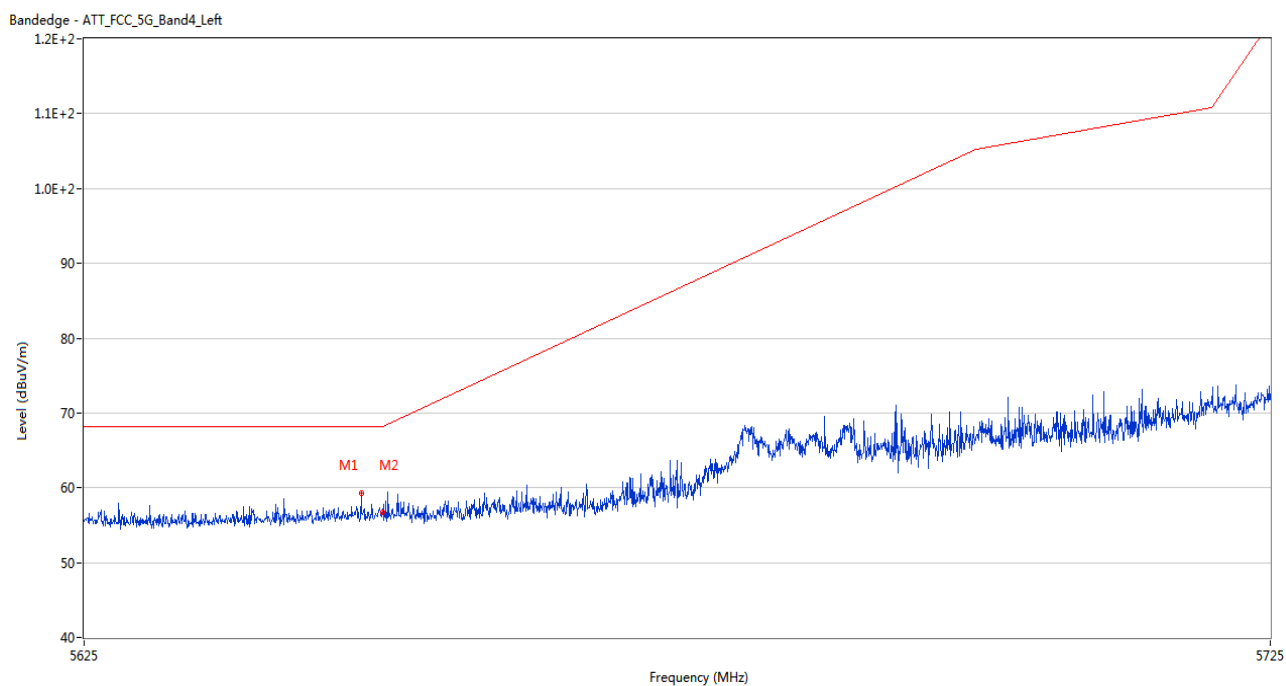
## U-NII-3 11ac40 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.950        | 55.46            | 2.32        | 68.2           | 12.74       | Peak     | 1.00           | 100         | Horizontal | Pass    |
| 2   | 5949.000        | 58.18            | 2.61        | 68.2           | 10.02       | Peak     | 35.00          | 150         | Horizontal | Pass    |

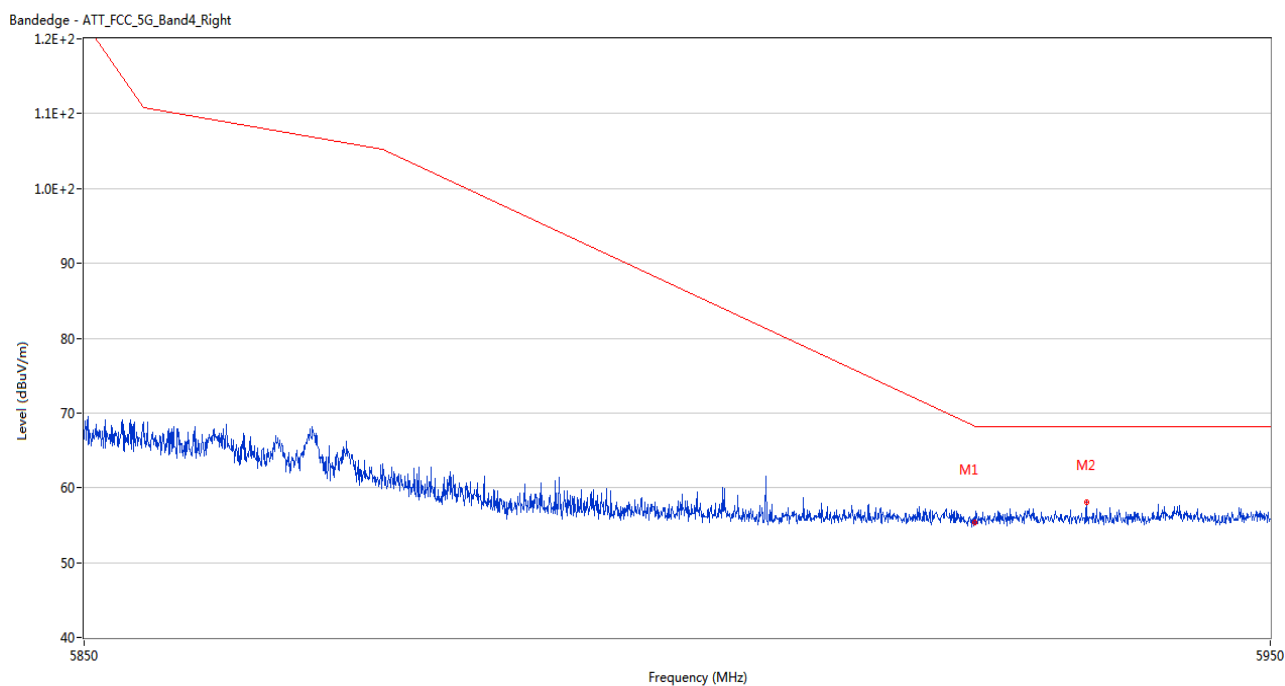


## U-NII-3 11ac80 Middle Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5648.200        | 59.28            | 2.53        | 68.2           | 8.92        | Peak     | 147.00         | 100         | Horizontal | Pass    |
| 2   | 5650.000        | 56.69            | 2.54        | 68.2           | 11.51       | Peak     | 96.00          | 150         | 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   | 5924.950        | 55.36            | 2.32        | 68.2           | 12.84       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2   | 5934.400        | 58.04            | 2.42        | 68.2           | 10.16       | Peak     | 109.00         | 100         | Horizontal | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2451145-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2451145-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2451145-AI.PDF”.

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--END OF REPORT--