

# TEST REPORT

**Applicant:** Xiaomi Communications Co., Ltd.  
**Address:** #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road,  
Haidian District, Beijing, China, 100085  
**Equipment Type:** Mobile Phone  
**Model Name:** 2312DRAABG  
**Brand Name:** Redmi  
**FCC ID:** 2AFZZAABG  
**Test Standard:** 47 CFR Part 15 Subpart E  
(refer to section 3.1)  
**Sample Arrival Date:** Jul. 20, 2023  
**Test Date:** Aug. 03, 2023 - Aug. 29, 2023  
**Date of Issue:** Oct. 07, 2023

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

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**Approved by:** Liao Jianming

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| <b>Revision History</b> |                      |                      |
|-------------------------|----------------------|----------------------|
| Version                 | Issue Date           | Revisions            |
| <u>Rev. 01</u>          | <u>Oct. 07, 2023</u> | <u>Initial Issue</u> |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

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

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |   |
|-----------|---|
| Applicant | Xiaomi Communications Co., Ltd.   |
| Address   | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085 |

### 2.2 Manufacturer Information

|              |   |
|--------------|---|
| Manufacturer | Xiaomi Communications Co., Ltd.   |
| Address      | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085 |

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

|   |  |
|---|--|
| EUT Name                                  | Mobile Phone   |
| Model Name Under Test                     | 2312DRAABG   |
| Series Model Name                         | N/A  |
| Description of Model name differentiation | N/A  |
| Hardware Version                          | P2   |
| Software Version                          | MIUI 14  |
| Dimensions (Approx.)                      | N/A  |
| Weight (Approx.)                          | N/A  |
| EUT ID                                    | S03, S57, S22, S26   |
| IMEI Number                               | S03: 862210060131903<br>S57: 862210060184803<br>S22: 862210060192889<br>S26: 862210060180660 |

## 2.4 Technical Information

|                                   |  |
|-----------------------------------|--|
| Network and Wireless connectivity | <p>2G Network GSM/GPRS/EDGE 850/900/1800/1900</p> <p>3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA Band 1/2/4/5/8</p> <p>4G Network FDD LTE Band 1/2/3/4/5/7/8/12/13/17/20/26/28/32/66<br/>TDD LTE Band 38/40/41</p> <p>LTE CA Uplink (UL): CA_3C, CA_7C, CA_38C, CA_40C, CA_1A-3A, CA_1A-7A, CA_1A-8A, CA_3A-7A, CA_2A-4A, CA_1A-20A, CA_3A-20A, CA_4A-7A, CA_7A-28A, CA_7A-20A</p> <p>LTE CA Downlink (DL): CA_20A-32A</p> <p>5G Network</p> <p>SA: NR n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n66/n77/n78</p> <p>NSA(EN-DC): DC_1A_n3A, DC_1A_n5A, DC_1A_n7A, DC_1A_n8A, DC_1A_n20A, DC_1A_n28A, DC_1A_n38A, DC_1A_n40A, DC_1A_n41A, DC_1A_n77A, DC_1A_n78A, DC_2A_n66A, DC_2A_n78A, DC_3A_n1A, DC_3A_n3A, DC_3A_n5A, DC_3A_n7A, DC_3A_n20A, DC_3A_n28A, DC_3A_n38A, DC_3A_n40A, DC_3A_n41A, DC_3A_n77A, DC_3A_n78A, DC_5A_n1A, DC_5A_n3A, DC_5A_n40A, DC_5A_n66A, DC_5A_n78A, DC_7A_n1A, DC_7A_n3A, DC_7A_n5A, DC_7A_n8A, DC_7A_n20A, DC_7A_n28A, DC_7A_n78A, DC_8A_n1A, DC_8A_n3A, DC_8A_n40A, DC_8A_n41A, DC_8A_n77A, DC_8A_n78A, DC_12A_n66A, DC_20A_n1A, DC_20A_n3A, DC_20A_n7A, DC_20A_n28A, DC_20A_n41A, DC_20A_n78A, DC_26A_n78A, DC_28A_n1A, DC_28A_n3A, DC_28A_n7A, DC_28A_n40A, DC_28A_n41A, DC_28A_n77A, DC_28A_n78A, DC_38A_n28A, DC_38A_n78A, DC_40A_n1A, DC_40A_n28A, DC_40A_n78A, DC_41A_n78A, DC_41A_n41A, DC_41A_n1A, DC_41A_n28A, DC_66A_n38A, DC_66A_n41A, DC_66A_n78A, DC_66A_n7A, DC_5A_n7A</p> <p>Bluetooth (BR+EDR+BLE)</p> <p>2.4G WIFI 802.11b, 802.11g, 802.11n(HT20)</p> <p>5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80)</p> <p>U-NII-1/2A/2C/3, GPS, GLONASS, Galileo, BDS, NFC, FM receiver</p> |
|-----------------------------------|--|

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  |
| Product Type          | Portable for FCC standard   |

|   |  |
|---|--|
| 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: 65.46 mW<br>U-NII-2A: 55.72 mW<br>U-NII-2C: 53.83 mW<br>U-NII-3: 30.13 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: -3.20 dBi<br>U-NII-2A: 5250 MHz to 5350 MHz: -2.98 dBi<br>U-NII-2C: 5470 MHz to 5725 MHz: -3.37 dBi<br>U-NII-3: 5725 MHz to 5850 MHz: -3.47 dBi |
| About the Product   | The equipment is mobile phone, 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>     |                |                 |                |                 |

Note: This report equipment will not transmit in the 5600-5650 MHz frequency band when used in Canada. This restriction is to protect weather radars operating in this frequency band.



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            |

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. | Test Result | Verdict               |
|-----|--|--------------|-------------|-----------------------|
| 1   | Antenna Requirement  | 15.203       | --          | Pass <sup>Note1</sup> |
| 2   | RF Output Power  | 15.407(a)    | ANNEX A.1   | Pass                  |
| 3   | Emission Bandwidth<br>& 99% Occupied Bandwidth                 | 15.407(a)    | ANNEX A.2   | Pass                  |
| 4   | 6 dB bandwidth   | 15.407(e)    | ANNEX A.3   | Pass                  |
| 5   | Power Spectral Density   | 15.407(a)    | ANNEX A.4   | Pass                  |
| 6   | Conducted Emission   | 15.207       | ANNEX A.5   | Pass                  |
| 7   | Radiated Spurious Emissions and Band<br>Edge (Restricted-band) | 15.407(b)    | 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          | 45% to 55%              |                    |
| Atmospheric Pressure       | 100 kPa to 102 kPa      |                    |
| Temperature                | NT (Normal Temperature) | +22.1°C to +25.0°C |
|                            | LT (Low Temperature)    | 0.0°C              |
|                            | HT (High Temperature)   | +40.0°C            |
| Working Voltage of the EUT | NV (Normal Voltage)     | 3.89 V             |
|                            | LV (Low Voltage)        | 3.60 V             |
|                            | HV (High Voltage)       | 4.48 V             |

### 4.2 Test Equipment List

| Description         | Manufacturer                  | Model                 | Serial No. | Cal. Date  | Cal. Due   |
|---------------------|-------------------------------|-----------------------|------------|------------|------------|
| Spectrum Analyzer   | KEYSIGHT                      | N9020A                | MY46471071 | 2023.07.25 | 2024.07.24 |
| Power Sensor        | KEYSIGHT                      | U2063XA               | MY58000251 | 2023.07.12 | 2024.07.11 |
| Spectrum Analyzer   | ROHDE&SCHWARZ                 | FSV-40                | 101544     | 2022.12.28 | 2023.12.27 |
| Spectrum Analyzer   | KEYSIGHT                      | N9020A                | MY50531259 | 2022.09.06 | 2023.09.05 |
| Signaling Unit      | ROHDE&SCHWARZ                 | CMW500                | 171150     | 2023.06.19 | 2024.06.18 |
| Test Antenna-Horn   | SCHWARZBECK                   | BBHA<br>9120D         | 02460      | 2021.05.19 | 2024.05.08 |
| Test Antenna-Horn   | A-INFO                        | LB-<br>180400KF       | J211060273 | 2021.07.02 | 2024.07.01 |
| Anechoic Chamber    | RAINFORD                      | 9m*6m*6m              | 140        | 2022.02.19 | 2024.08.15 |
| EMI Receiver        | ROHDE&SCHWARZ                 | ESRP                  | 101036     | 2022.09.09 | 2023.09.08 |
| Test Antenna-Loop   | SCHWARZBECK                   | FMZB 1519             | 1519-037   | 2021.04.16 | 2024.04.15 |
| Anechoic Chamber    | EMC Electronic Co.,<br>Ltd    | 20.10*11.60<br>*7.35m | 130        | 2021.08.15 | 2024.08.14 |
| EMI Receiver        | KEYSIGHT                      | N9010B                | MY57110309 | 2022.09.09 | 2023.09.08 |
| LISN                | SCHWARZBECK                   | NSLK 8127             | 8127-687   | 2023.05.16 | 2024.05.15 |
| Shielded Enclosure  | YiHeng Electronic<br>Co., Ltd | 3.5m*3.1m*<br>2.8m    | 112        | 2022.02.19 | 2025.02.18 |
| EMI Receiver        | Agilent                       | N9038A                | MY55330120 | 2022.09.09 | 2023.09.08 |
| Test Antenna-Bi-Log | SCHWARZBECK                   | VULB 9168             | 9168-00867 | 2022.04.12 | 2025.04.11 |
| Anechoic Chamber    | YiHeng                        | 9m*6m*6m              | 142        | 2022.02.19 | 2024.08.18 |
| Amplifier           | COM-MV                        | LSCX_LNA<br>1-12G-01  | 180602     | 2020.09.08 | 2023.09.07 |
| Amplifier           | COM-MV                        | XKu_LNA7-<br>18G-01   | 180601     | 2020.09.08 | 2023.09.07 |
| Amplifier           | COM-MV                        | KA_LNA18-             | 18050001   | 2020.09.08 | 2023.09.07 |

| Description | Manufacturer | Model      | Serial No.  | Cal. Date  | Cal. Due   |
|-------------|--------------|------------|-------------|------------|------------|
|             |              | 40G-01     |             |            |            |
| Amplifier   | COM-MV       | ZT30-1000M | B2017119082 | 2022.12.07 | 2023.12.06 |

### 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°C       |
| Humidity                          | 4%          |

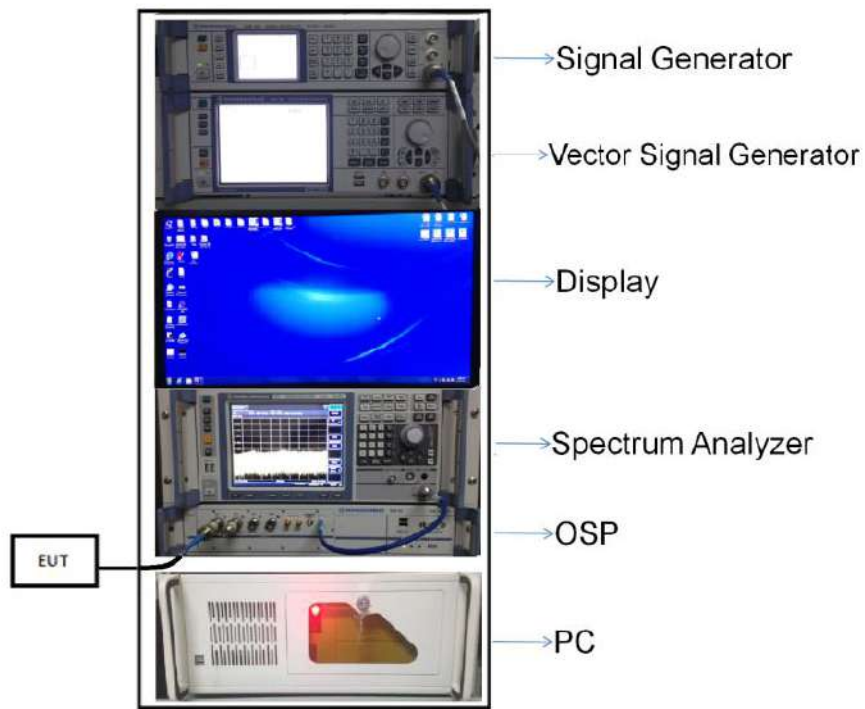
## 4.5 Description of Test Setup

### 4.5.1 For Antenna Port Test

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

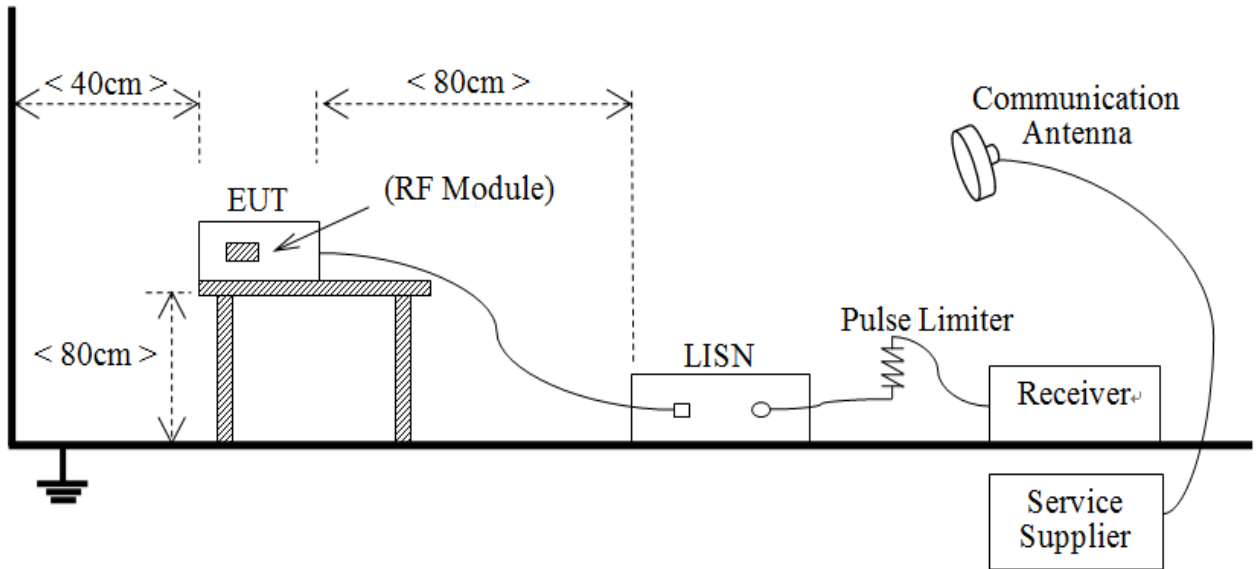
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



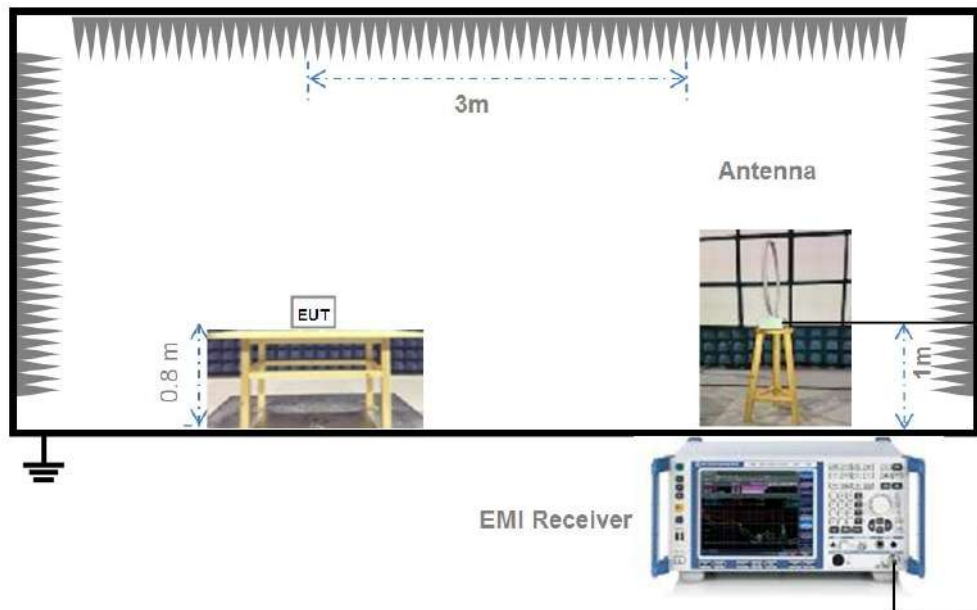
(Diagram 1)

4.5.2 For AC Power Supply Port Test



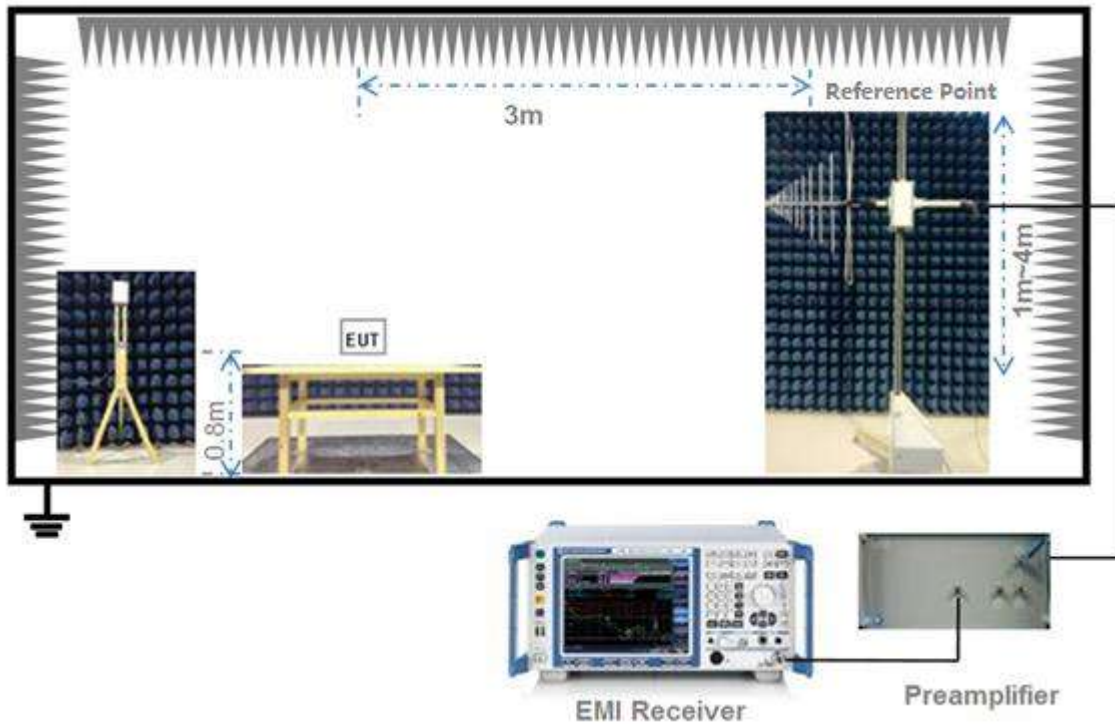
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



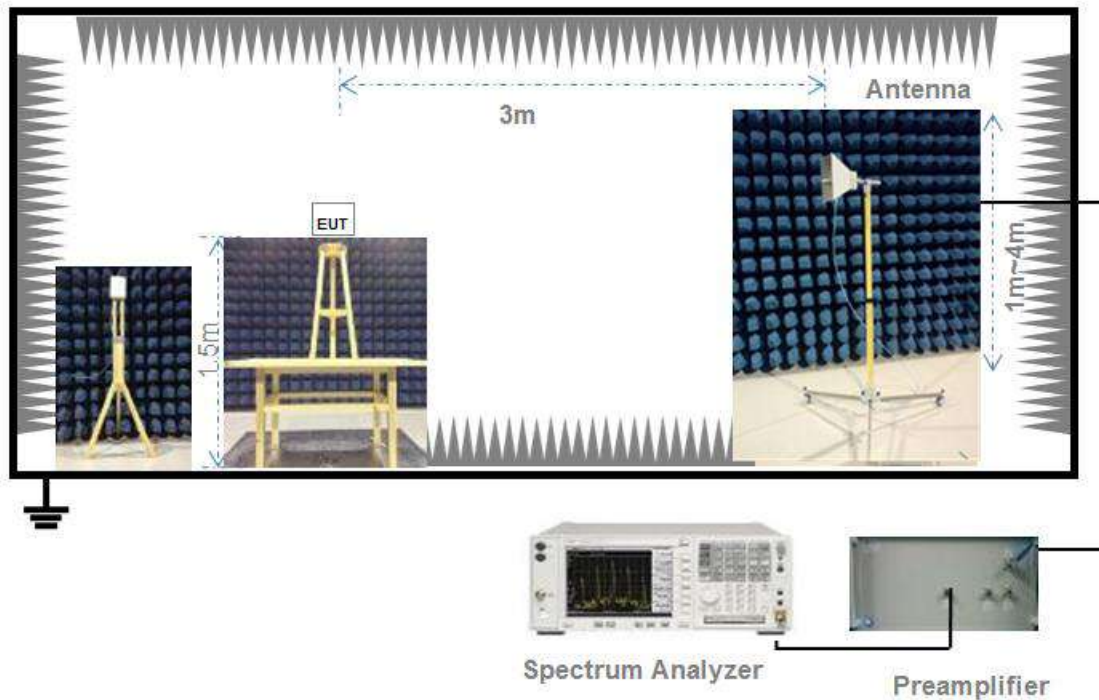
(Diagram 3)

#### 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

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

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\*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 1: 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 |
|--------------|--------------|------------------|------------|
| 11a          | 1.39         | 1.43             | 97.20%     |
| 11n (HT20)   | 1.30         | 1.34             | 97.38%     |
| 11n (HT40)   | 0.65         | 0.68             | 94.85%     |
| 11ac (VHT20) | 1.31         | 1.35             | 97.33%     |
| 11ac (VHT40) | 0.65         | 0.69             | 94.88%     |
| 11ac (VHT80) | 0.32         | 0.37             | 88.17%     |

#### Test Data

##### Conducted Power

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 17.91                 | 61.80                | 250            | Pass    |
| 11a                       | CH44    | 18.05                 | 63.83                | 250            | Pass    |
| 11a                       | CH48    | 18.16                 | 65.46                | 250            | Pass    |
| 11n (HT20)                | CH36    | 16.83                 | 48.19                | 250            | Pass    |
| 11n (HT20)                | CH44    | 16.80                 | 47.86                | 250            | Pass    |
| 11n (HT20)                | CH48    | 16.74                 | 47.21                | 250            | Pass    |
| 11n (HT40)                | CH38    | 15.92                 | 39.08                | 250            | Pass    |
| 11n (HT40)                | CH46    | 15.95                 | 39.36                | 250            | Pass    |
| 11ac (VHT20)              | CH36    | 16.85                 | 48.42                | 250            | Pass    |
| 11ac (VHT20)              | CH44    | 17.00                 | 50.12                | 250            | Pass    |
| 11ac (VHT20)              | CH48    | 17.02                 | 50.35                | 250            | Pass    |
| 11ac (VHT40)              | CH38    | 15.93                 | 39.17                | 250            | Pass    |
| 11ac (VHT40)              | CH46    | 16.04                 | 40.18                | 250            | Pass    |
| 11ac (VHT80)              | CH42    | 14.85                 | 30.55                | 250            | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH52    | 17.27                 | 53.33                | 250            | Pass    |
| 11a                        | CH60    | 17.42                 | 55.21                | 250            | Pass    |
| 11a                        | CH64    | 17.46                 | 55.72                | 250            | Pass    |
| 11n (HT20)                 | CH52    | 16.06                 | 40.36                | 250            | Pass    |
| 11n (HT20)                 | CH60    | 16.33                 | 42.95                | 250            | Pass    |
| 11n (HT20)                 | CH64    | 16.16                 | 41.30                | 250            | Pass    |
| 11n (HT40)                 | CH54    | 15.24                 | 33.42                | 250            | Pass    |
| 11n (HT40)                 | CH62    | 15.35                 | 34.28                | 250            | Pass    |
| 11ac (VHT20)               | CH52    | 16.15                 | 41.21                | 250            | Pass    |
| 11ac (VHT20)               | CH60    | 16.34                 | 43.05                | 250            | Pass    |
| 11ac (VHT20)               | CH64    | 16.23                 | 41.98                | 250            | Pass    |
| 11ac (VHT40)               | CH54    | 15.29                 | 33.81                | 250            | Pass    |
| 11ac (VHT40)               | CH62    | 15.30                 | 33.88                | 250            | Pass    |
| 11ac (VHT80)               | CH58    | 13.96                 | 24.89                | 250            | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH100   | 17.27                 | 53.33                | 250            | Pass    |
| 11a                        | CH116   | 17.31                 | 53.83                | 250            | Pass    |
| 11a                        | CH140   | 15.25                 | 33.50                | 250            | Pass    |
| 11n (HT20)                 | CH100   | 16.02                 | 39.99                | 250            | Pass    |
| 11n (HT20)                 | CH116   | 16.51                 | 44.77                | 250            | Pass    |
| 11n (HT20)                 | CH140   | 15.10                 | 32.36                | 250            | Pass    |
| 11n (HT40)                 | CH102   | 13.11                 | 20.46                | 250            | Pass    |
| 11n (HT40)                 | CH118   | 14.18                 | 26.18                | 250            | Pass    |
| 11n (HT40)                 | CH134   | 14.19                 | 26.24                | 250            | Pass    |
| 11ac (VHT20)               | CH100   | 16.60                 | 45.71                | 250            | Pass    |
| 11ac (VHT20)               | CH116   | 17.18                 | 52.24                | 250            | Pass    |
| 11ac (VHT20)               | CH140   | 14.55                 | 28.51                | 250            | Pass    |
| 11ac (VHT40)               | CH102   | 14.58                 | 28.71                | 250            | Pass    |
| 11ac (VHT40)               | CH118   | 15.77                 | 37.76                | 250            | Pass    |
| 11ac (VHT40)               | CH134   | 15.73                 | 37.41                | 250            | Pass    |
| 11ac (VHT80)               | CH106   | 13.32                 | 21.48                | 250            | Pass    |
| 11ac (VHT80)               | CH122   | 13.86                 | 24.32                | 250            | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 14.69                 | 29.44                | 1000           | Pass    |
| 11a                       | CH157   | 14.75                 | 29.85                | 1000           | Pass    |
| 11a                       | CH165   | 14.79                 | 30.13                | 1000           | Pass    |
| 11n (HT20)                | CH149   | 14.00                 | 25.12                | 1000           | Pass    |
| 11n (HT20)                | CH157   | 14.12                 | 25.82                | 1000           | Pass    |
| 11n (HT20)                | CH165   | 14.18                 | 26.18                | 1000           | Pass    |
| 11n (HT40)                | CH151   | 14.69                 | 29.44                | 1000           | Pass    |
| 11n (HT40)                | CH159   | 14.65                 | 29.17                | 1000           | Pass    |
| 11ac (VHT20)              | CH149   | 14.51                 | 28.25                | 1000           | Pass    |
| 11ac (VHT20)              | CH157   | 14.61                 | 28.91                | 1000           | Pass    |
| 11ac (VHT20)              | CH165   | 14.63                 | 29.04                | 1000           | Pass    |
| 11ac (VHT40)              | CH151   | 14.65                 | 29.17                | 1000           | Pass    |
| 11ac (VHT40)              | CH159   | 14.76                 | 29.92                | 1000           | Pass    |
| 11ac (VHT80)              | CH155   | 14.35                 | 27.23                | 1000           | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2380575-604 Data Part 1.pdf".

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 25.47                 | 16.66               |
| 11a                       | CH44    | 23.60                 | 16.68               |
| 11a                       | CH48    | 26.42                 | 16.66               |
| 11n (HT20)                | CH36    | 23.17                 | 17.69               |
| 11n (HT20)                | CH44    | 23.93                 | 17.66               |
| 11n (HT20)                | CH48    | 23.10                 | 17.68               |
| 11n (HT40)                | CH38    | 40.96                 | 36.19               |
| 11n (HT40)                | CH46    | 40.76                 | 36.17               |
| 11ac (VHT20)              | CH36    | 20.78                 | 17.65               |
| 11ac (VHT20)              | CH44    | 22.01                 | 17.65               |
| 11ac (VHT20)              | CH48    | 21.44                 | 17.66               |
| 11ac (VHT40)              | CH38    | 40.91                 | 36.08               |
| 11ac (VHT40)              | CH46    | 40.71                 | 36.08               |
| 11ac (VHT80)              | CH42    | 81.18                 | 75.35               |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH52    | 23.39                 | 16.60               |
| 11a                        | CH60    | 21.75                 | 16.60               |
| 11a                        | CH64    | 22.66                 | 16.60               |
| 11n (HT20)                 | CH52    | 20.34                 | 17.66               |
| 11n (HT20)                 | CH60    | 21.23                 | 17.66               |
| 11n (HT20)                 | CH64    | 20.34                 | 17.67               |
| 11n (HT40)                 | CH54    | 40.77                 | 36.12               |
| 11n (HT40)                 | CH62    | 40.73                 | 36.11               |
| 11ac (VHT20)               | CH52    | 20.36                 | 17.62               |
| 11ac (VHT20)               | CH60    | 21.19                 | 17.64               |
| 11ac (VHT20)               | CH64    | 20.92                 | 17.62               |
| 11ac (VHT40)               | CH54    | 40.67                 | 36.07               |
| 11ac (VHT40)               | CH62    | 40.75                 | 36.06               |
| 11ac (VHT80)               | CH58    | 81.15                 | 75.35               |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH100   | 22.20                 | 16.56               |
| 11a                        | CH116   | 23.18                 | 16.60               |
| 11a                        | CH140   | 23.73                 | 16.61               |
| 11n (HT20)                 | CH100   | 20.36                 | 17.66               |
| 11n (HT20)                 | CH116   | 21.54                 | 17.65               |
| 11n (HT20)                 | CH140   | 21.00                 | 17.67               |
| 11n (HT40)                 | CH102   | 40.54                 | 36.09               |
| 11n (HT40)                 | CH118   | 40.63                 | 36.03               |
| 11n (HT40)                 | CH134   | 40.39                 | 36.09               |
| 11ac (VHT20)               | CH100   | 20.50                 | 17.62               |
| 11ac (VHT20)               | CH116   | 21.07                 | 17.65               |
| 11ac (VHT20)               | CH140   | 22.14                 | 17.66               |
| 11ac (VHT40)               | CH102   | 40.75                 | 36.06               |
| 11ac (VHT40)               | CH118   | 40.65                 | 36.03               |
| 11ac (VHT40)               | CH134   | 40.67                 | 36.06               |
| 11ac (VHT80)               | CH106   | 81.23                 | 75.33               |
| 11ac (VHT80)               | CH122   | 81.07                 | 75.32               |



| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 24.25                 | 16.67               |
| 11a                       | CH157   | 25.03                 | 16.64               |
| 11a                       | CH165   | 24.01                 | 16.64               |
| 11n (HT20)                | CH149   | 22.14                 | 17.68               |
| 11n (HT20)                | CH157   | 22.37                 | 17.69               |
| 11n (HT20)                | CH165   | 21.98                 | 17.68               |
| 11n (HT40)                | CH151   | 40.67                 | 36.17               |
| 11n (HT40)                | CH159   | 40.79                 | 36.18               |
| 11ac (VHT20)              | CH149   | 22.37                 | 17.66               |
| 11ac (VHT20)              | CH157   | 22.95                 | 17.67               |
| 11ac (VHT20)              | CH165   | 21.31                 | 17.67               |
| 11ac (VHT40)              | CH151   | 40.87                 | 36.07               |
| 11ac (VHT40)              | CH159   | 40.98                 | 36.11               |
| 11ac (VHT80)              | CH155   | 81.44                 | 75.45               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2380575-604 Data Part 2.pdf".

#### Test Data

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 15.25                | 500.00      | Pass    |
| 11a                       | CH157   | 15.25                | 500.00      | Pass    |
| 11a                       | CH165   | 15.25                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 15.25                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.25                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.20                | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.15                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 35.20                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.25                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.25                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.25                | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.20                | 500.00      | Pass    |
| 11ac (VHT40)              | CH159   | 35.20                | 500.00      | Pass    |
| 11ac (VHT80)              | CH155   | 75.20                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note : Test plots please refer to the document “Annex No.: BL-SZ2380575-604 Data Part 3.pdf”..

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | 6.40          | 11.00           | Pass    |
| 11a                       | CH44    | 6.03          | 11.00           | Pass    |
| 11a                       | CH48    | 6.13          | 11.00           | Pass    |
| 11n (HT20)                | CH36    | 4.94          | 11.00           | Pass    |
| 11n (HT20)                | CH44    | 4.77          | 11.00           | Pass    |
| 11n (HT20)                | CH48    | 4.86          | 11.00           | Pass    |
| 11n (HT40)                | CH38    | 1.04          | 11.00           | Pass    |
| 11n (HT40)                | CH46    | 0.67          | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | 4.97          | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | 4.81          | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | 4.89          | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | 1.06          | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | 0.68          | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -4.06         | 11.00           | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH52    | 5.17          | 11.00           | Pass    |
| 11a                        | CH60    | 5.19          | 11.00           | Pass    |
| 11a                        | CH64    | 5.31          | 11.00           | Pass    |
| 11n (HT20)                 | CH52    | 3.87          | 11.00           | Pass    |
| 11n (HT20)                 | CH60    | 3.90          | 11.00           | Pass    |
| 11n (HT20)                 | CH64    | 3.95          | 11.00           | Pass    |
| 11n (HT40)                 | CH54    | -0.34         | 11.00           | Pass    |
| 11n (HT40)                 | CH62    | -0.07         | 11.00           | Pass    |
| 11ac (VHT20)               | CH52    | 3.83          | 11.00           | Pass    |
| 11ac (VHT20)               | CH60    | 3.94          | 11.00           | Pass    |
| 11ac (VHT20)               | CH64    | 3.93          | 11.00           | Pass    |
| 11ac (VHT40)               | CH54    | -0.21         | 11.00           | Pass    |
| 11ac (VHT40)               | CH62    | -0.18         | 11.00           | Pass    |
| 11ac (VHT80)               | CH58    | -5.04         | 11.00           | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH100   | 5.47          | 11.00           | Pass    |
| 11a                        | CH116   | 5.55          | 11.00           | Pass    |
| 11a                        | CH140   | 5.58          | 11.00           | Pass    |
| 11n (HT20)                 | CH100   | 4.63          | 11.00           | Pass    |
| 11n (HT20)                 | CH116   | 4.87          | 11.00           | Pass    |
| 11n (HT20)                 | CH140   | 4.71          | 11.00           | Pass    |
| 11n (HT40)                 | CH102   | -1.00         | 11.00           | Pass    |
| 11n (HT40)                 | CH118   | -0.74         | 11.00           | Pass    |
| 11n (HT40)                 | CH134   | -0.90         | 11.00           | Pass    |
| 11ac (VHT20)               | CH100   | 4.72          | 11.00           | Pass    |
| 11ac (VHT20)               | CH116   | 4.85          | 11.00           | Pass    |
| 11ac (VHT20)               | CH140   | 4.66          | 11.00           | Pass    |
| 11ac (VHT40)               | CH102   | 0.57          | 11.00           | Pass    |
| 11ac (VHT40)               | CH118   | 0.76          | 11.00           | Pass    |
| 11ac (VHT40)               | CH134   | 0.66          | 11.00           | Pass    |
| 11ac (VHT80)               | CH106   | -4.85         | 11.00           | Pass    |
| 11ac (VHT80)               | CH122   | -4.42         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                     |                       |         |
|---------------------------|---------|---------------------|-----------------------|---------|
| Mode                      | Channel | PSD<br>(dBm/500kHz) | Limit<br>(dBm/500kHz) | Verdict |
| 11a                       | CH149   | 2.91                | 30.00                 | Pass    |
| 11a                       | CH157   | 2.76                | 30.00                 | Pass    |
| 11a                       | CH165   | 2.94                | 30.00                 | Pass    |
| 11n (HT20)                | CH149   | 1.48                | 30.00                 | Pass    |
| 11n (HT20)                | CH157   | 1.40                | 30.00                 | Pass    |
| 11n (HT20)                | CH165   | 1.40                | 30.00                 | Pass    |
| 11n (HT40)                | CH151   | -2.59               | 30.00                 | Pass    |
| 11n (HT40)                | CH159   | -2.57               | 30.00                 | Pass    |
| 11ac (VHT20)              | CH149   | 1.49                | 30.00                 | Pass    |
| 11ac (VHT20)              | CH157   | 1.35                | 30.00                 | Pass    |
| 11ac (VHT20)              | CH165   | 1.50                | 30.00                 | Pass    |
| 11ac (VHT40)              | CH151   | -2.59               | 30.00                 | Pass    |
| 11ac (VHT40)              | CH159   | -2.81               | 30.00                 | Pass    |
| 11ac (VHT80)              | CH155   | -7.56               | 30.00                 | Pass    |

## A.5 Conducted Emissions

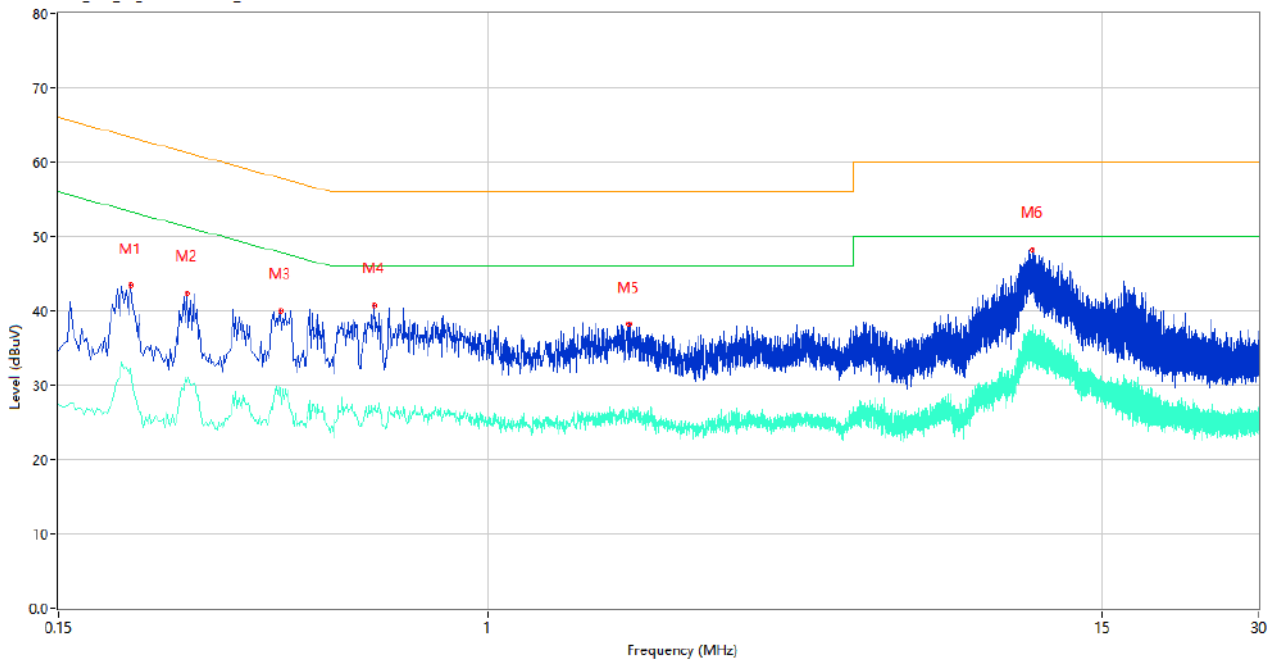
Note <sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

### Test Data and Plots

**PHASE L**

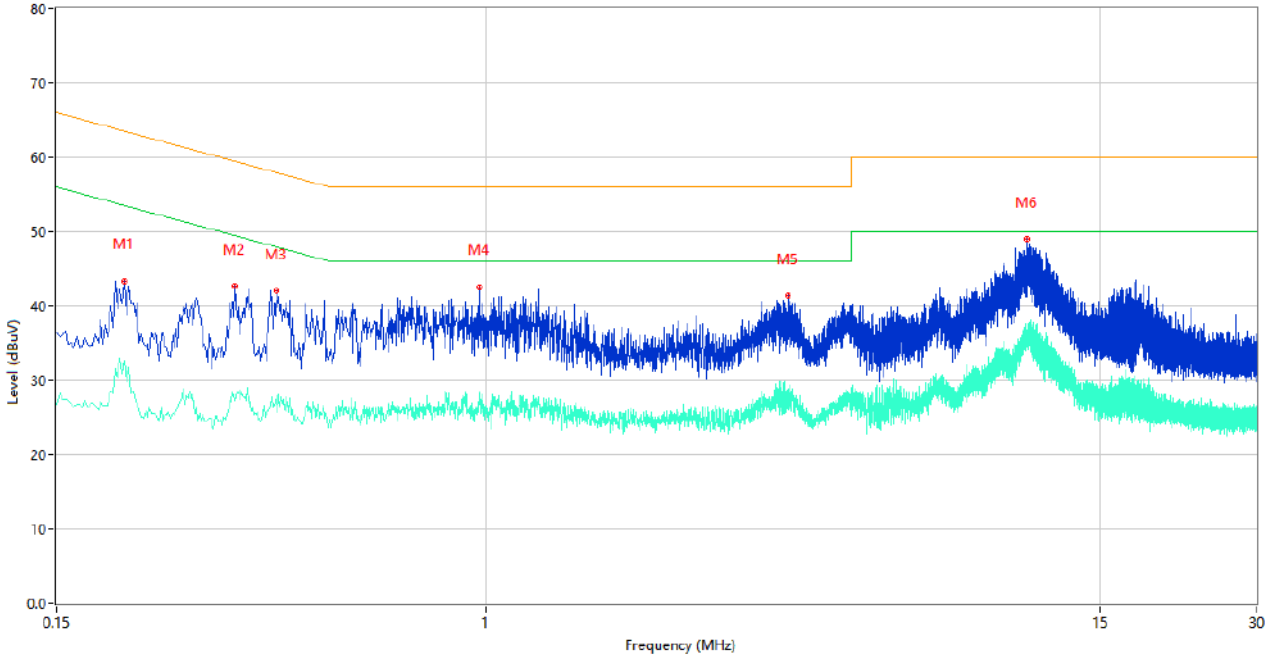
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBUV) | Factor (dB) | Limit (dBUV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.206           | 43.43          | 9.77        | 63.37        | 19.94       | Peak     | L    | Pass    |
| 1** | 0.206           | 32.26          | 9.77        | 53.37        | 21.11       | AV       | L    | Pass    |
| 2   | 0.264           | 42.40          | 9.76        | 61.30        | 18.90       | Peak     | L    | Pass    |
| 2** | 0.264           | 30.48          | 9.76        | 51.30        | 20.82       | AV       | L    | Pass    |
| 3   | 0.400           | 40.06          | 10.55       | 57.85        | 17.79       | Peak     | L    | Pass    |
| 3** | 0.400           | 29.62          | 10.55       | 47.85        | 18.23       | AV       | L    | Pass    |
| 4   | 0.604           | 40.81          | 10.17       | 56.00        | 15.19       | Peak     | L    | Pass    |
| 4** | 0.604           | 26.92          | 10.17       | 46.00        | 19.08       | AV       | L    | Pass    |
| 5   | 1.862           | 38.22          | 10.27       | 56.00        | 17.78       | Peak     | L    | Pass    |
| 5** | 1.862           | 26.81          | 10.27       | 46.00        | 19.19       | AV       | L    | Pass    |
| 6   | 11.018          | 48.30          | 10.59       | 60.00        | 11.70       | Peak     | L    | Pass    |
| 6** | 11.018          | 33.66          | 10.59       | 50.00        | 16.34       | AV       | L    | Pass    |

PHASE N

CE Test case FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.202           | 43.37          | 9.77        | 63.53        | 20.16       | Peak     | N    | Pass    |
| 1** | 0.202           | 32.69          | 9.77        | 53.53        | 20.84       | AV       | N    | Pass    |
| 2   | 0.330           | 42.72          | 10.36       | 59.45        | 16.73       | Peak     | N    | Pass    |
| 2** | 0.330           | 27.30          | 10.36       | 49.45        | 22.15       | AV       | N    | Pass    |
| 3   | 0.396           | 42.03          | 10.57       | 57.94        | 15.91       | Peak     | N    | Pass    |
| 3** | 0.396           | 27.99          | 10.57       | 47.94        | 19.95       | AV       | N    | Pass    |
| 4   | 0.968           | 42.55          | 10.03       | 56.00        | 13.45       | Peak     | N    | Pass    |
| 4** | 0.968           | 28.33          | 10.03       | 46.00        | 17.67       | AV       | N    | Pass    |
| 5   | 3.786           | 41.42          | 10.36       | 56.00        | 14.58       | Peak     | N    | Pass    |
| 5** | 3.786           | 28.52          | 10.36       | 46.00        | 17.48       | AV       | N    | Pass    |
| 6   | 10.856          | 49.01          | 10.48       | 60.00        | 10.99       | Peak     | N    | Pass    |
| 6** | 10.856          | 36.29          | 10.48       | 50.00        | 13.71       | AV       | N    | Pass    |



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

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

Note 2: 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.

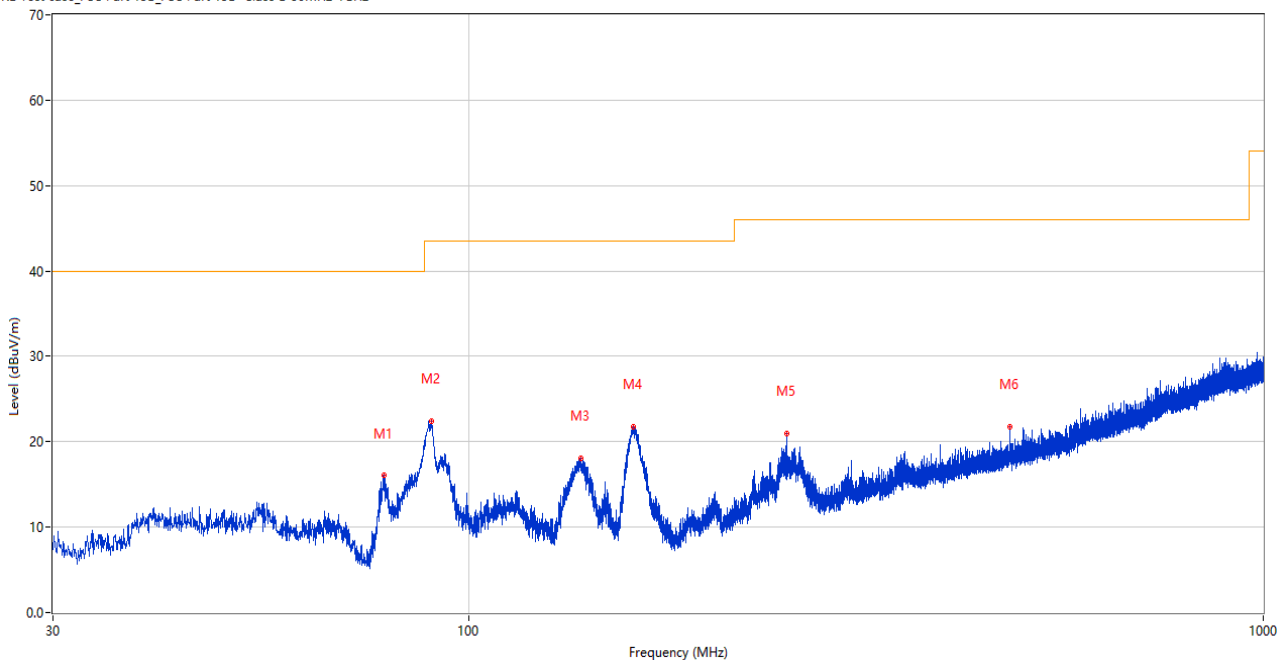
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: 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

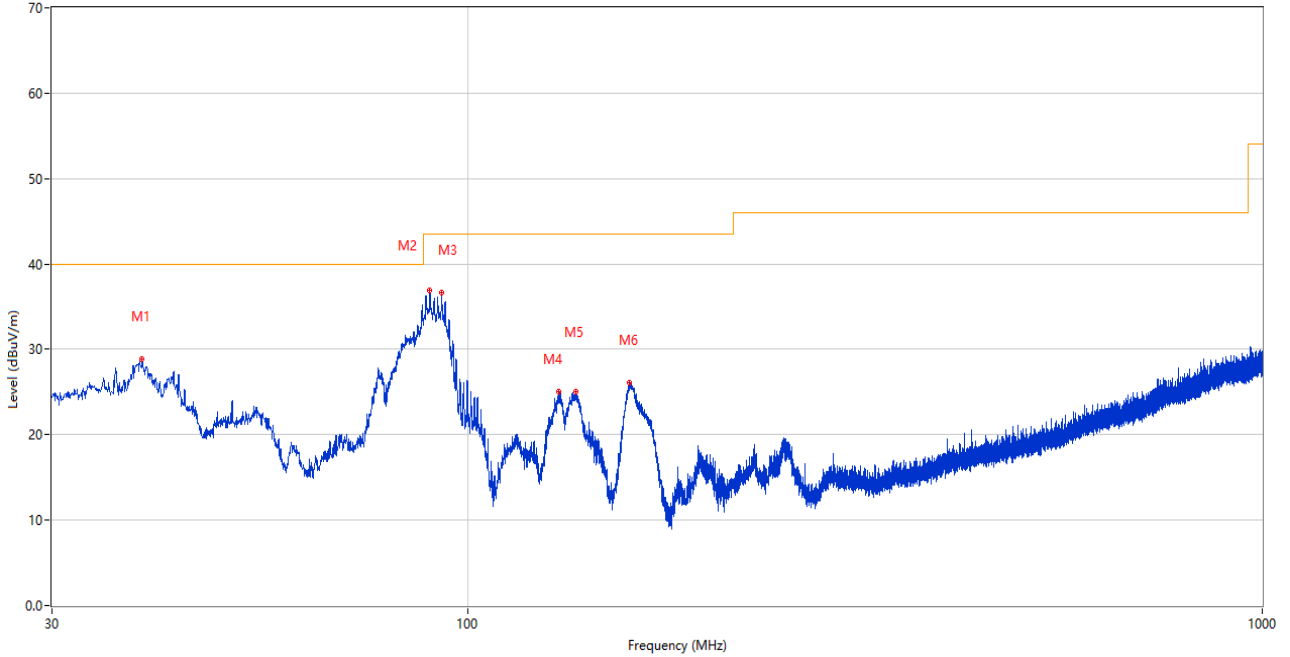
RE Test case\_FCC Part 15B\_FCC Part 15B Class B 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 78.257          | 16.02            | -31.11      | 40.0           | 23.98       | Peak     | 342.00         | 200         | Horizontal | Pass    |
| 2   | 89.752          | 22.39            | -28.60      | 43.5           | 21.11       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 3   | 138.543         | 18.07            | -30.19      | 43.5           | 25.43       | Peak     | 75.00          | 200         | Horizontal | Pass    |
| 4   | 161.096         | 21.78            | -29.53      | 43.5           | 21.72       | Peak     | 275.00         | 200         | Horizontal | Pass    |
| 5   | 251.208         | 20.95            | -24.88      | 46.0           | 25.05       | Peak     | 224.00         | 100         | Horizontal | Pass    |
| 6   | 479.983         | 21.78            | -19.19      | 46.0           | 24.22       | Peak     | 87.00          | 200         | Horizontal | Pass    |

30 MHz to 1 GHz, ANT V

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 38.972          | 28.87            | -27.00      | 40.0           | 11.13       | Peak     | 223.00         | 100         | Vertical | Pass    |
| 2   | 89.655          | 36.93            | -28.64      | 43.5           | 6.57        | Peak     | 342.00         | 100         | Vertical | Pass    |
| 3   | 92.759          | 36.67            | -27.93      | 43.5           | 6.83        | Peak     | 247.00         | 100         | Vertical | Pass    |
| 4   | 130.395         | 25.04            | -29.77      | 43.5           | 18.46       | Peak     | 25.00          | 100         | Vertical | Pass    |
| 5   | 136.749         | 25.08            | -30.13      | 43.5           | 18.42       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 6   | 159.689         | 26.08            | -29.59      | 43.5           | 17.42       | Peak     | 226.00         | 100         | Vertical | Pass    |

Note 1: The marked "N/A" spikes near 5150MHz-5850MHz MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious from 18GHz to 40GHz 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   | 1470.300        | 36.94            | -19.77      | 74.0           | 37.06       | Peak     | 251.00         | 200         | Horizontal | Pass    |
| 1** | 1470.300        | 27.67            | -19.77      | 54.0           | 26.33       | AV       | 251.00         | 200         | Horizontal | Pass    |
| 2   | 2889.100        | 43.71            | -12.14      | 74.0           | 30.29       | Peak     | 237.00         | 100         | Horizontal | Pass    |
| 2** | 2889.100        | 34.33            | -12.14      | 54.0           | 19.67       | AV       | 237.00         | 100         | Horizontal | Pass    |
| 3   | 4338.500        | 47.22            | -6.17       | 74.0           | 26.78       | Peak     | 346.00         | 100         | Horizontal | Pass    |
| 3** | 4338.500        | 39.53            | -6.17       | 54.0           | 14.47       | AV       | 346.00         | 100         | Horizontal | Pass    |
| 4   | 5181.250        | 104.98           | -4.67       | --             | --          | Peak     | 85.00          | 100         | Horizontal | N/A     |
| 4** | 5181.250        | 98.06            | -4.67       | --             | --          | AV       | 85.00          | 100         | Horizontal | N/A     |
| 5   | 7493.000        | 54.56            | -0.42       | 74.0           | 19.44       | Peak     | 51.00          | 100         | Horizontal | Pass    |
| 5** | 7493.000        | 46.06            | -0.42       | 54.0           | 7.94        | AV       | 51.00          | 100         | Horizontal | Pass    |
| 6   | 12455.737       | 52.62            | 0.84        | 74.0           | 21.38       | Peak     | 96.00          | 200         | Horizontal | Pass    |
| 6** | 12455.737       | 43.30            | 0.84        | 54.0           | 10.70       | AV       | 96.00          | 200         | 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   | 1532.000        | 37.55            | -19.71      | 74.0           | 36.45       | Peak     | 96.00          | 100         | Vertical | Pass    |
| 1** | 1532.000        | 27.89            | -19.71      | 54.0           | 26.11       | AV       | 96.00          | 100         | Vertical | Pass    |
| 2   | 2858.300        | 43.69            | -12.34      | 74.0           | 30.31       | Peak     | 333.00         | 300         | Vertical | Pass    |
| 2** | 2858.300        | 34.40            | -12.34      | 54.0           | 19.60       | AV       | 333.00         | 300         | Vertical | Pass    |
| 3   | 4341.750        | 47.40            | -6.31       | 74.0           | 26.60       | Peak     | 48.00          | 100         | Vertical | Pass    |
| 3** | 4341.750        | 38.03            | -6.31       | 54.0           | 15.97       | AV       | 48.00          | 100         | Vertical | Pass    |
| 4   | 5181.750        | 100.42           | -4.65       | --             | --          | Peak     | 360.00         | 100         | Vertical | N/A     |
| 4** | 5181.750        | 93.01            | -4.65       | --             | --          | AV       | 360.00         | 100         | Vertical | N/A     |
| 5   | 7535.500        | 54.68            | -0.41       | 74.0           | 19.32       | Peak     | 240.00         | 200         | Vertical | Pass    |
| 5** | 7535.500        | 45.33            | -0.41       | 54.0           | 8.67        | AV       | 240.00         | 200         | Vertical | Pass    |
| 6   | 12569.975       | 52.85            | 1.43        | 74.0           | 21.15       | Peak     | 167.00         | 300         | Vertical | Pass    |
| 6** | 12569.975       | 43.44            | 1.43        | 54.0           | 10.56       | AV       | 167.00         | 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   | 1483.200        | 36.86            | -19.60      | 74.0           | 37.14       | Peak     | 66.00          | 200         | Horizontal | Pass    |
| 1** | 1483.200        | 27.81            | -19.60      | 54.0           | 26.19       | AV       | 66.00          | 200         | Horizontal | Pass    |
| 2   | 2804.600        | 43.46            | -13.01      | 74.0           | 30.54       | Peak     | 91.00          | 100         | Horizontal | Pass    |
| 2** | 2804.600        | 34.20            | -13.01      | 54.0           | 19.80       | AV       | 91.00          | 100         | Horizontal | Pass    |
| 3   | 4291.250        | 47.13            | -6.75       | 74.0           | 26.87       | Peak     | 90.00          | 100         | Horizontal | Pass    |
| 3** | 4291.250        | 38.17            | -6.75       | 54.0           | 15.83       | AV       | 90.00          | 100         | Horizontal | Pass    |
| 4   | 5215.750        | 105.73           | -4.70       | --             | --          | Peak     | 90.00          | 100         | Horizontal | N/A     |
| 4** | 5215.750        | 97.29            | -4.70       | --             | --          | AV       | 90.00          | 100         | Horizontal | N/A     |
| 5   | 7502.750        | 54.62            | -0.92       | 74.0           | 19.38       | Peak     | 57.00          | 200         | Horizontal | Pass    |
| 5** | 7502.750        | 46.19            | -0.92       | 54.0           | 7.81        | AV       | 57.00          | 200         | Horizontal | Pass    |
| 6   | 12296.849       | 52.93            | 0.64        | 74.0           | 21.07       | Peak     | 206.00         | 200         | Horizontal | Pass    |
| 6** | 12296.849       | 43.28            | 0.64        | 54.0           | 10.72       | AV       | 206.00         | 200         | 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   | 1487.600        | 38.37            | -19.58      | 74.0           | 35.63       | Peak     | 47.00          | 100         | Vertical | Pass    |
| 1** | 1487.600        | 27.69            | -19.58      | 54.0           | 26.31       | AV       | 47.00          | 100         | Vertical | Pass    |
| 2   | 2768.600        | 43.61            | -12.80      | 74.0           | 30.39       | Peak     | 247.00         | 100         | Vertical | Pass    |
| 2** | 2768.600        | 33.18            | -12.80      | 54.0           | 20.82       | AV       | 247.00         | 100         | Vertical | Pass    |
| 3   | 4314.500        | 47.44            | -6.00       | 74.0           | 26.56       | Peak     | 180.00         | 200         | Vertical | Pass    |
| 3** | 4314.500        | 38.92            | -6.00       | 54.0           | 15.08       | AV       | 180.00         | 200         | Vertical | Pass    |
| 4   | 5218.750        | 98.81            | -4.79       | --             | --          | Peak     | 356.00         | 100         | Vertical | N/A     |
| 4** | 5218.750        | 91.29            | -4.79       | --             | --          | AV       | 356.00         | 100         | Vertical | N/A     |
| 5   | 7598.500        | 54.22            | -0.37       | 74.0           | 19.78       | Peak     | 188.00         | 100         | Vertical | Pass    |
| 5** | 7598.500        | 45.25            | -0.37       | 54.0           | 8.75        | AV       | 188.00         | 100         | Vertical | Pass    |
| 6   | 12611.063       | 53.20            | 1.06        | 74.0           | 20.80       | Peak     | 135.00         | 100         | Vertical | Pass    |
| 6** | 12611.063       | 44.43            | 1.06        | 54.0           | 9.57        | AV       | 135.00         | 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   | 1569.900        | 37.15            | -19.94      | 74.0           | 36.85       | Peak     | 147.00         | 100         | Horizontal | Pass    |
| 1** | 1569.900        | 27.62            | -19.94      | 54.0           | 26.38       | AV       | 147.00         | 100         | Horizontal | Pass    |
| 2   | 2790.200        | 43.54            | -12.60      | 74.0           | 30.46       | Peak     | 257.00         | 100         | Horizontal | Pass    |
| 2** | 2790.200        | 34.47            | -12.60      | 54.0           | 19.53       | AV       | 257.00         | 100         | Horizontal | Pass    |
| 3   | 4338.000        | 47.73            | -6.14       | 74.0           | 26.27       | Peak     | 33.00          | 100         | Horizontal | Pass    |
| 3** | 4338.000        | 39.13            | -6.14       | 54.0           | 14.87       | AV       | 33.00          | 100         | Horizontal | Pass    |
| 4   | 5238.750        | 106.23           | -5.18       | --             | --          | Peak     | 82.00          | 100         | Horizontal | N/A     |
| 4** | 5238.750        | 98.86            | -5.18       | --             | --          | AV       | 82.00          | 100         | Horizontal | N/A     |
| 5   | 7597.750        | 55.72            | -0.40       | 74.0           | 18.28       | Peak     | 253.00         | 200         | Horizontal | Pass    |
| 5** | 7597.750        | 45.32            | -0.40       | 54.0           | 8.68        | AV       | 253.00         | 200         | Horizontal | Pass    |
| 6   | 12620.800       | 52.40            | 0.97        | 74.0           | 21.60       | Peak     | 161.00         | 100         | Horizontal | Pass    |
| 6** | 12620.800       | 42.73            | 0.97        | 54.0           | 11.27       | AV       | 161.00         | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1512.000        | 37.16            | -19.64      | 74.0           | 36.84       | Peak     | 41.00          | 200         | Vertical | Pass    |
| 1** | 1512.000        | 27.11            | -19.64      | 54.0           | 26.89       | AV       | 41.00          | 200         | Vertical | Pass    |
| 2   | 2791.400        | 43.64            | -12.58      | 74.0           | 30.36       | Peak     | 257.00         | 100         | Vertical | Pass    |
| 2** | 2791.400        | 34.30            | -12.58      | 54.0           | 19.70       | AV       | 257.00         | 100         | Vertical | Pass    |
| 3   | 4347.750        | 47.50            | -6.50       | 74.0           | 26.50       | Peak     | 74.00          | 200         | Vertical | Pass    |
| 3** | 4347.750        | 38.21            | -6.50       | 54.0           | 15.79       | AV       | 74.00          | 200         | Vertical | Pass    |
| 4   | 5237.500        | 98.76            | -5.17       | --             | --          | Peak     | 348.00         | 200         | Vertical | N/A     |
| 4** | 5237.500        | 90.94            | -5.17       | --             | --          | AV       | 348.00         | 200         | Vertical | N/A     |
| 5   | 7495.250        | 54.17            | -0.43       | 74.0           | 19.83       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 7495.250        | 45.58            | -0.43       | 54.0           | 8.42        | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 12393.513       | 52.68            | 0.36        | 74.0           | 21.32       | Peak     | 132.00         | 200         | Vertical | Pass    |
| 6** | 12393.513       | 43.31            | 0.36        | 54.0           | 10.69       | AV       | 132.00         | 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   | 1467.800        | 37.24            | -19.78      | 74.0           | 36.76       | Peak     | 291.00         | 100         | Horizontal | Pass    |
| 1** | 1467.800        | 27.18            | -19.78      | 54.0           | 26.82       | AV       | 291.00         | 100         | Horizontal | Pass    |
| 2   | 2886.800        | 43.80            | -12.17      | 74.0           | 30.20       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 2** | 2886.800        | 34.22            | -12.17      | 54.0           | 19.78       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 3   | 4302.000        | 47.36            | -6.56       | 74.0           | 26.64       | Peak     | 129.00         | 300         | Horizontal | Pass    |
| 3** | 4302.000        | 37.78            | -6.56       | 54.0           | 16.22       | AV       | 129.00         | 300         | Horizontal | Pass    |
| 4   | 5177.500        | 103.94           | -4.86       | --             | --          | Peak     | 72.00          | 200         | Horizontal | N/A     |
| 4** | 5177.500        | 96.08            | -4.86       | --             | --          | AV       | 72.00          | 200         | Horizontal | N/A     |
| 5   | 7572.250        | 54.07            | -1.60       | 74.0           | 19.93       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 5** | 7572.250        | 44.91            | -1.60       | 54.0           | 9.09        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 6   | 12545.275       | 52.88            | 1.51        | 74.0           | 21.12       | Peak     | 153.00         | 100         | Horizontal | Pass    |
| 6** | 12545.275       | 43.96            | 1.51        | 54.0           | 10.04       | AV       | 153.00         | 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   | 1518.800        | 36.88            | -19.62      | 74.0           | 37.12       | Peak     | 2.00           | 200         | Vertical | Pass    |
| 1** | 1518.800        | 28.01            | -19.62      | 54.0           | 25.99       | AV       | 2.00           | 200         | Vertical | Pass    |
| 2   | 2715.200        | 43.18            | -12.60      | 74.0           | 30.82       | Peak     | 2.00           | 100         | Vertical | Pass    |
| 2** | 2715.200        | 34.50            | -12.60      | 54.0           | 19.50       | AV       | 2.00           | 100         | Vertical | Pass    |
| 3   | 4359.750        | 47.56            | -6.67       | 74.0           | 26.44       | Peak     | 133.00         | 100         | Vertical | Pass    |
| 3** | 4359.750        | 38.20            | -6.67       | 54.0           | 15.80       | AV       | 133.00         | 100         | Vertical | Pass    |
| 4   | 5181.500        | 99.37            | -4.66       | --             | --          | Peak     | 360.00         | 100         | Vertical | N/A     |
| 4** | 5181.500        | 92.27            | -4.66       | --             | --          | AV       | 360.00         | 100         | Vertical | N/A     |
| 5   | 7495.000        | 54.75            | -0.41       | 74.0           | 19.25       | Peak     | 355.00         | 200         | Vertical | Pass    |
| 5** | 7495.000        | 46.36            | -0.41       | 54.0           | 7.64        | AV       | 355.00         | 200         | Vertical | Pass    |
| 6   | 12606.075       | 52.78            | 1.10        | 74.0           | 21.22       | Peak     | 85.00          | 100         | Vertical | Pass    |
| 6** | 12606.075       | 43.46            | 1.10        | 54.0           | 10.54       | AV       | 85.00          | 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   | 1526.300        | 37.29            | -19.59      | 74.0           | 36.71       | Peak     | 47.00          | 200         | Horizontal | Pass    |
| 1** | 1526.300        | 28.28            | -19.59      | 54.0           | 25.72       | AV       | 47.00          | 200         | Horizontal | Pass    |
| 2   | 2726.200        | 43.85            | -11.64      | 74.0           | 30.15       | Peak     | 256.00         | 100         | Horizontal | Pass    |
| 2** | 2726.200        | 35.23            | -11.64      | 54.0           | 18.77       | AV       | 256.00         | 100         | Horizontal | Pass    |
| 3   | 4335.500        | 47.33            | -6.13       | 74.0           | 26.67       | Peak     | 262.00         | 100         | Horizontal | Pass    |
| 3** | 4335.500        | 39.57            | -6.13       | 54.0           | 14.43       | AV       | 262.00         | 100         | Horizontal | Pass    |
| 4   | 5221.500        | 104.65           | -4.78       | --             | --          | Peak     | 80.00          | 200         | Horizontal | N/A     |
| 4** | 5221.500        | 97.51            | -4.78       | --             | --          | AV       | 80.00          | 200         | Horizontal | N/A     |
| 5   | 7496.750        | 54.54            | -0.55       | 74.0           | 19.46       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 5** | 7496.750        | 45.57            | -0.55       | 54.0           | 8.43        | AV       | 360.00         | 100         | Horizontal | Pass    |
| 6   | 12575.200       | 52.46            | 1.38        | 74.0           | 21.54       | Peak     | 64.00          | 200         | Horizontal | Pass    |
| 6** | 12575.200       | 43.30            | 1.38        | 54.0           | 10.70       | AV       | 64.00          | 200         | 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   | 1479.900        | 37.15            | -19.70      | 74.0           | 36.85       | Peak     | 97.00          | 200         | Vertical | Pass    |
| 1** | 1479.900        | 27.83            | -19.70      | 54.0           | 26.17       | AV       | 97.00          | 200         | Vertical | Pass    |
| 2   | 2878.100        | 43.59            | -12.37      | 74.0           | 30.41       | Peak     | 323.00         | 300         | Vertical | Pass    |
| 2** | 2878.100        | 34.30            | -12.37      | 54.0           | 19.70       | AV       | 323.00         | 300         | Vertical | Pass    |
| 3   | 4355.000        | 48.16            | -6.62       | 74.0           | 25.84       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 3** | 4355.000        | 38.61            | -6.62       | 54.0           | 15.39       | AV       | 0.00           | 200         | Vertical | Pass    |
| 4   | 5218.750        | 97.88            | -4.79       | --             | --          | Peak     | 360.00         | 200         | Vertical | N/A     |
| 4** | 5218.750        | 90.76            | -4.79       | --             | --          | AV       | 360.00         | 200         | Vertical | N/A     |
| 5   | 7497.250        | 55.05            | -0.59       | 74.0           | 18.95       | Peak     | 331.00         | 100         | Vertical | Pass    |
| 5** | 7497.250        | 45.25            | -0.59       | 54.0           | 8.75        | AV       | 331.00         | 100         | Vertical | Pass    |
| 6   | 12610.588       | 52.74            | 1.06        | 74.0           | 21.26       | Peak     | 131.00         | 100         | Vertical | Pass    |
| 6** | 12610.588       | 43.22            | 1.06        | 54.0           | 10.78       | AV       | 131.00         | 100         | 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   | 1450.200        | 36.90            | -19.69      | 74.0           | 37.10       | Peak     | 69.00          | 300         | Horizontal | Pass    |
| 1** | 1450.200        | 27.29            | -19.69      | 54.0           | 26.71       | AV       | 69.00          | 300         | Horizontal | Pass    |
| 2   | 2890.500        | 44.09            | -12.18      | 74.0           | 29.91       | Peak     | 184.00         | 200         | Horizontal | Pass    |
| 2** | 2890.500        | 34.70            | -12.18      | 54.0           | 19.30       | AV       | 184.00         | 200         | Horizontal | Pass    |
| 3   | 4329.000        | 47.40            | -5.94       | 74.0           | 26.60       | Peak     | 281.00         | 300         | Horizontal | Pass    |
| 3** | 4329.000        | 38.60            | -5.94       | 54.0           | 15.40       | AV       | 281.00         | 300         | Horizontal | Pass    |
| 4   | 5241.000        | 105.52           | -5.18       | --             | --          | Peak     | 79.00          | 100         | Horizontal | N/A     |
| 4** | 5241.000        | 97.74            | -5.18       | --             | --          | AV       | 79.00          | 100         | Horizontal | N/A     |
| 5   | 7504.500        | 54.34            | -1.01       | 74.0           | 19.66       | Peak     | 335.00         | 300         | Horizontal | Pass    |
| 5** | 7504.500        | 46.42            | -1.01       | 54.0           | 7.58        | AV       | 335.00         | 300         | Horizontal | Pass    |
| 6   | 12577.338       | 52.57            | 1.36        | 74.0           | 21.43       | Peak     | 254.00         | 100         | Horizontal | Pass    |
| 6** | 12577.338       | 43.86            | 1.36        | 54.0           | 10.14       | AV       | 254.00         | 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   | 1460.100        | 36.71            | -19.70      | 74.0           | 37.29       | Peak     | 250.00         | 200         | Vertical | Pass    |
| 1** | 1460.100        | 27.47            | -19.70      | 54.0           | 26.53       | AV       | 250.00         | 200         | Vertical | Pass    |
| 2   | 2885.600        | 43.32            | -12.22      | 74.0           | 30.68       | Peak     | 337.00         | 100         | Vertical | Pass    |
| 2** | 2885.600        | 33.78            | -12.22      | 54.0           | 20.22       | AV       | 337.00         | 100         | Vertical | Pass    |
| 3   | 4351.500        | 47.74            | -6.62       | 74.0           | 26.26       | Peak     | 348.00         | 100         | Vertical | Pass    |
| 3** | 4351.500        | 38.74            | -6.62       | 54.0           | 15.26       | AV       | 348.00         | 100         | Vertical | Pass    |
| 4   | 5237.500        | 97.81            | -5.17       | --             | --          | Peak     | 356.00         | 100         | Vertical | N/A     |
| 4** | 5237.500        | 90.66            | -5.17       | --             | --          | AV       | 356.00         | 100         | Vertical | N/A     |
| 5   | 7489.000        | 54.18            | -0.33       | 74.0           | 19.82       | Peak     | 36.00          | 200         | Vertical | Pass    |
| 5** | 7489.000        | 45.39            | -0.33       | 54.0           | 8.61        | AV       | 36.00          | 200         | Vertical | Pass    |
| 6   | 12548.125       | 52.42            | 1.57        | 74.0           | 21.58       | Peak     | 314.00         | 100         | Vertical | Pass    |
| 6** | 12548.125       | 45.03            | 1.57        | 54.0           | 8.97        | AV       | 314.00         | 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   | 1561.300        | 37.25            | -19.95      | 74.0           | 36.75       | Peak     | 182.00         | 100         | Horizontal | Pass    |
| 1** | 1561.300        | 27.14            | -19.95      | 54.0           | 26.86       | AV       | 182.00         | 100         | Horizontal | Pass    |
| 2   | 2837.400        | 43.15            | -12.55      | 74.0           | 30.85       | Peak     | 327.00         | 200         | Horizontal | Pass    |
| 2** | 2837.400        | 33.87            | -12.55      | 54.0           | 20.13       | AV       | 327.00         | 200         | Horizontal | Pass    |
| 3   | 4369.500        | 48.37            | -6.91       | 74.0           | 25.63       | Peak     | 26.00          | 200         | Horizontal | Pass    |
| 3** | 4369.500        | 38.34            | -6.91       | 54.0           | 15.66       | AV       | 26.00          | 200         | Horizontal | Pass    |
| 4   | 5194.750        | 101.60           | -4.37       | --             | --          | Peak     | 84.00          | 100         | Horizontal | N/A     |
| 4** | 5194.750        | 92.79            | -4.37       | --             | --          | AV       | 84.00          | 100         | Horizontal | N/A     |
| 5   | 7541.250        | 54.48            | -0.23       | 74.0           | 19.52       | Peak     | 1.00           | 200         | Horizontal | Pass    |
| 5** | 7541.250        | 45.46            | -0.23       | 54.0           | 8.54        | AV       | 1.00           | 200         | Horizontal | Pass    |
| 6   | 12451.937       | 53.36            | 0.87        | 74.0           | 20.64       | Peak     | 255.00         | 200         | Horizontal | Pass    |
| 6** | 12451.937       | 43.37            | 0.87        | 54.0           | 10.63       | AV       | 255.00         | 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   | 1514.200        | 37.61            | -19.66      | 74.0           | 36.39       | Peak     | 160.00         | 100         | Vertical | Pass    |
| 1** | 1514.200        | 28.20            | -19.66      | 54.0           | 25.80       | AV       | 160.00         | 100         | Vertical | Pass    |
| 2   | 2889.000        | 43.40            | -12.14      | 74.0           | 30.60       | Peak     | 51.00          | 300         | Vertical | Pass    |
| 2** | 2889.000        | 34.03            | -12.14      | 54.0           | 19.97       | AV       | 51.00          | 300         | Vertical | Pass    |
| 3   | 4329.500        | 47.45            | -5.96       | 74.0           | 26.55       | Peak     | 222.00         | 200         | Vertical | Pass    |
| 3** | 4329.500        | 38.88            | -5.96       | 54.0           | 15.12       | AV       | 222.00         | 200         | Vertical | Pass    |
| 4   | 5191.500        | 94.65            | -4.39       | --             | --          | Peak     | 0.00           | 200         | Vertical | N/A     |
| 4** | 5191.500        | 87.94            | -4.39       | --             | --          | AV       | 0.00           | 200         | Vertical | N/A     |
| 5   | 7532.000        | 54.36            | -0.57       | 74.0           | 19.64       | Peak     | 139.00         | 100         | Vertical | Pass    |
| 5** | 7532.000        | 45.79            | -0.57       | 54.0           | 8.21        | AV       | 139.00         | 100         | Vertical | Pass    |
| 6   | 12592.775       | 52.43            | 1.22        | 74.0           | 21.57       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 6** | 12592.775       | 42.91            | 1.22        | 54.0           | 11.09       | AV       | 360.00         | 300         | 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   | 1450.000        | 37.22            | -19.68      | 74.0           | 36.78       | Peak     | 103.00         | 100         | Horizontal | Pass    |
| 1** | 1450.000        | 27.15            | -19.68      | 54.0           | 26.85       | AV       | 103.00         | 100         | Horizontal | Pass    |
| 2   | 2723.500        | 43.61            | -11.79      | 74.0           | 30.39       | Peak     | 250.00         | 200         | Horizontal | Pass    |
| 2** | 2723.500        | 34.65            | -11.79      | 54.0           | 19.35       | AV       | 250.00         | 200         | Horizontal | Pass    |
| 3   | 4344.250        | 47.77            | -6.33       | 74.0           | 26.23       | Peak     | 26.00          | 200         | Horizontal | Pass    |
| 3** | 4344.250        | 38.63            | -6.33       | 54.0           | 15.37       | AV       | 26.00          | 200         | Horizontal | Pass    |
| 4   | 5235.750        | 100.98           | -5.09       | --             | --          | Peak     | 84.00          | 100         | Horizontal | N/A     |
| 4** | 5235.750        | 93.61            | -5.09       | --             | --          | AV       | 84.00          | 100         | Horizontal | N/A     |
| 5   | 7489.750        | 54.76            | -0.32       | 74.0           | 19.24       | Peak     | 59.00          | 200         | Horizontal | Pass    |
| 5** | 7489.750        | 45.84            | -0.32       | 54.0           | 8.16        | AV       | 59.00          | 200         | Horizontal | Pass    |
| 6   | 12610.113       | 53.34            | 1.06        | 74.0           | 20.66       | Peak     | 210.00         | 100         | Horizontal | Pass    |
| 6** | 12610.113       | 43.45            | 1.06        | 54.0           | 10.55       | AV       | 210.00         | 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   | 1440.200        | 36.70            | -19.77      | 74.0           | 37.30       | Peak     | 322.00         | 200         | Vertical | Pass    |
| 1** | 1440.200        | 26.77            | -19.77      | 54.0           | 27.23       | AV       | 322.00         | 200         | Vertical | Pass    |
| 2   | 2848.000        | 43.04            | -12.22      | 74.0           | 30.96       | Peak     | 357.00         | 100         | Vertical | Pass    |
| 2** | 2848.000        | 33.29            | -12.22      | 54.0           | 20.71       | AV       | 357.00         | 100         | Vertical | Pass    |
| 3   | 4319.500        | 47.52            | -5.98       | 74.0           | 26.48       | Peak     | 239.00         | 100         | Vertical | Pass    |
| 3** | 4319.500        | 38.23            | -5.98       | 54.0           | 15.77       | AV       | 239.00         | 100         | Vertical | Pass    |
| 4   | 5233.750        | 93.97            | -5.12       | --             | --          | Peak     | 355.00         | 100         | Vertical | N/A     |
| 4** | 5233.750        | 86.70            | -5.12       | --             | --          | AV       | 355.00         | 100         | Vertical | N/A     |
| 5   | 7498.000        | 54.59            | -0.63       | 74.0           | 19.41       | Peak     | 189.00         | 100         | Vertical | Pass    |
| 5** | 7498.000        | 45.41            | -0.63       | 54.0           | 8.59        | AV       | 189.00         | 100         | Vertical | Pass    |
| 6   | 12302.550       | 52.39            | 0.66        | 74.0           | 21.61       | Peak     | 52.00          | 200         | Vertical | Pass    |
| 6** | 12302.550       | 43.16            | 0.66        | 54.0           | 10.84       | AV       | 52.00          | 200         | 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   | 1571.300        | 37.21            | -19.94      | 74.0           | 36.79       | Peak     | 148.00         | 200         | Horizontal | Pass    |
| 1** | 1571.300        | 28.00            | -19.94      | 54.0           | 26.00       | AV       | 148.00         | 200         | Horizontal | Pass    |
| 2   | 2726.100        | 44.14            | -11.64      | 74.0           | 29.86       | Peak     | 359.00         | 100         | Horizontal | Pass    |
| 2** | 2726.100        | 34.13            | -11.64      | 54.0           | 19.87       | AV       | 359.00         | 100         | Horizontal | Pass    |
| 3   | 4350.000        | 47.59            | -6.60       | 74.0           | 26.41       | Peak     | 67.00          | 100         | Horizontal | Pass    |
| 3** | 4350.000        | 39.15            | -6.60       | 54.0           | 14.85       | AV       | 67.00          | 100         | Horizontal | Pass    |
| 4   | 5178.250        | 103.76           | -4.84       | --             | --          | Peak     | 83.00          | 100         | Horizontal | N/A     |
| 4** | 5178.250        | 95.98            | -4.84       | --             | --          | AV       | 83.00          | 100         | Horizontal | N/A     |
| 5   | 7494.500        | 54.83            | -0.41       | 74.0           | 19.17       | Peak     | 2.00           | 100         | Horizontal | Pass    |
| 5** | 7494.500        | 45.59            | -0.41       | 54.0           | 8.41        | AV       | 2.00           | 100         | Horizontal | Pass    |
| 6   | 12572.112       | 52.69            | 1.41        | 74.0           | 21.31       | Peak     | 133.00         | 100         | Horizontal | Pass    |
| 6** | 12572.112       | 42.58            | 1.41        | 54.0           | 11.42       | AV       | 133.00         | 100         | 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   | 1479.900        | 37.75            | -19.70      | 74.0           | 36.25       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 1479.900        | 28.17            | -19.70      | 54.0           | 25.83       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 2728.100        | 43.00            | -11.50      | 74.0           | 31.00       | Peak     | 249.00         | 200         | Vertical | Pass    |
| 2** | 2728.100        | 33.92            | -11.50      | 54.0           | 20.08       | AV       | 249.00         | 200         | Vertical | Pass    |
| 3   | 4329.500        | 47.74            | -5.96       | 74.0           | 26.26       | Peak     | 324.00         | 100         | Vertical | Pass    |
| 3** | 4329.500        | 38.29            | -5.96       | 54.0           | 15.71       | AV       | 324.00         | 100         | Vertical | Pass    |
| 4   | 5181.250        | 98.87            | -4.67       | --             | --          | Peak     | 360.00         | 200         | Vertical | N/A     |
| 4** | 5181.250        | 91.80            | -4.67       | --             | --          | AV       | 360.00         | 200         | Vertical | N/A     |
| 5   | 7499.500        | 54.17            | -0.72       | 74.0           | 19.83       | Peak     | 42.00          | 200         | Vertical | Pass    |
| 5** | 7499.500        | 45.31            | -0.72       | 54.0           | 8.69        | AV       | 42.00          | 200         | Vertical | Pass    |
| 6   | 12428.900       | 52.67            | 0.64        | 74.0           | 21.33       | Peak     | 358.00         | 200         | Vertical | Pass    |
| 6** | 12428.900       | 43.66            | 0.64        | 54.0           | 10.34       | AV       | 358.00         | 200         | 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   | 1503.500        | 37.55            | -19.55      | 74.0           | 36.45       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 1** | 1503.500        | 27.96            | -19.55      | 54.0           | 26.04       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 2   | 2855.400        | 43.33            | -12.32      | 74.0           | 30.67       | Peak     | 43.00          | 100         | Horizontal | Pass    |
| 2** | 2855.400        | 34.13            | -12.32      | 54.0           | 19.87       | AV       | 43.00          | 100         | Horizontal | Pass    |
| 3   | 4362.000        | 47.68            | -6.68       | 74.0           | 26.32       | Peak     | 224.00         | 200         | Horizontal | Pass    |
| 3** | 4362.000        | 38.60            | -6.68       | 54.0           | 15.40       | AV       | 224.00         | 200         | Horizontal | Pass    |
| 4   | 5217.000        | 105.26           | -4.71       | --             | --          | Peak     | 77.00          | 200         | Horizontal | N/A     |
| 4** | 5217.000        | 96.83            | -4.71       | --             | --          | AV       | 77.00          | 200         | Horizontal | N/A     |
| 5   | 7494.500        | 54.79            | -0.41       | 74.0           | 19.21       | Peak     | 118.00         | 100         | Horizontal | Pass    |
| 5** | 7494.500        | 45.88            | -0.41       | 54.0           | 8.12        | AV       | 118.00         | 100         | Horizontal | Pass    |
| 6   | 12541.950       | 52.53            | 1.43        | 74.0           | 21.47       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 12541.950       | 43.05            | 1.43        | 54.0           | 10.95       | AV       | 360.00         | 200         | 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   | 1579.700        | 36.86            | -19.95      | 74.0           | 37.14       | Peak     | 57.00          | 100         | Vertical | Pass    |
| 1** | 1579.700        | 27.34            | -19.95      | 54.0           | 26.66       | AV       | 57.00          | 100         | Vertical | Pass    |
| 2   | 2831.600        | 43.95            | -12.53      | 74.0           | 30.05       | Peak     | 2.00           | 200         | Vertical | Pass    |
| 2** | 2831.600        | 33.53            | -12.53      | 54.0           | 20.47       | AV       | 2.00           | 200         | Vertical | Pass    |
| 3   | 4322.750        | 47.42            | -5.92       | 74.0           | 26.58       | Peak     | 347.00         | 200         | Vertical | Pass    |
| 3** | 4322.750        | 39.01            | -5.92       | 54.0           | 14.99       | AV       | 347.00         | 200         | Vertical | Pass    |
| 4   | 5221.250        | 98.29            | -4.79       | --             | --          | Peak     | 360.00         | 200         | Vertical | N/A     |
| 4** | 5221.250        | 91.12            | -4.79       | --             | --          | AV       | 360.00         | 200         | Vertical | N/A     |
| 5   | 7486.250        | 54.05            | -0.38       | 74.0           | 19.95       | Peak     | 67.00          | 200         | Vertical | Pass    |
| 5** | 7486.250        | 46.24            | -0.38       | 54.0           | 7.76        | AV       | 67.00          | 200         | Vertical | Pass    |
| 6   | 12585.175       | 52.90            | 1.29        | 74.0           | 21.10       | Peak     | 109.00         | 100         | Vertical | Pass    |
| 6** | 12585.175       | 43.24            | 1.29        | 54.0           | 10.76       | AV       | 109.00         | 100         | 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   | 1439.000        | 37.70            | -19.77      | 74.0           | 36.30       | Peak     | 69.00          | 200         | Horizontal | Pass    |
| 1** | 1439.000        | 27.95            | -19.77      | 54.0           | 26.05       | AV       | 69.00          | 200         | Horizontal | Pass    |
| 2   | 2821.800        | 43.43            | -12.77      | 74.0           | 30.57       | Peak     | 256.00         | 100         | Horizontal | Pass    |
| 2** | 2821.800        | 33.92            | -12.77      | 54.0           | 20.08       | AV       | 256.00         | 100         | Horizontal | Pass    |
| 3   | 4337.500        | 47.67            | -6.10       | 74.0           | 26.33       | Peak     | 348.00         | 100         | Horizontal | Pass    |
| 3** | 4337.500        | 39.09            | -6.10       | 54.0           | 14.91       | AV       | 348.00         | 100         | Horizontal | Pass    |
| 4   | 5236.250        | 104.55           | -5.10       | --             | --          | Peak     | 82.00          | 200         | Horizontal | N/A     |
| 4** | 5236.250        | 96.71            | -5.10       | --             | --          | AV       | 82.00          | 200         | Horizontal | N/A     |
| 5   | 7518.750        | 54.18            | -1.19       | 74.0           | 19.82       | Peak     | 323.00         | 100         | Horizontal | Pass    |
| 5** | 7518.750        | 45.01            | -1.19       | 54.0           | 8.99        | AV       | 323.00         | 100         | Horizontal | Pass    |
| 6   | 12581.850       | 52.78            | 1.32        | 74.0           | 21.22       | Peak     | 101.00         | 100         | Horizontal | Pass    |
| 6** | 12581.850       | 43.52            | 1.32        | 54.0           | 10.48       | AV       | 101.00         | 100         | 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   | 1520.400        | 37.86            | -19.59      | 74.0           | 36.14       | Peak     | 141.00         | 200         | Vertical | Pass    |
| 1** | 1520.400        | 29.59            | -19.59      | 54.0           | 24.41       | AV       | 141.00         | 200         | Vertical | Pass    |
| 2   | 2838.600        | 43.38            | -12.53      | 74.0           | 30.62       | Peak     | 130.00         | 200         | Vertical | Pass    |
| 2** | 2838.600        | 34.25            | -12.53      | 54.0           | 19.75       | AV       | 130.00         | 200         | Vertical | Pass    |
| 3   | 4339.500        | 48.13            | -6.24       | 74.0           | 25.87       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 3** | 4339.500        | 38.41            | -6.24       | 54.0           | 15.59       | AV       | 0.00           | 100         | Vertical | Pass    |
| 4   | 5237.250        | 97.09            | -5.16       | --             | --          | Peak     | 346.00         | 100         | Vertical | N/A     |
| 4** | 5237.250        | 89.70            | -5.16       | --             | --          | AV       | 346.00         | 100         | Vertical | N/A     |
| 5   | 7509.500        | 54.04            | -1.28       | 74.0           | 19.96       | Peak     | 253.00         | 200         | Vertical | Pass    |
| 5** | 7509.500        | 44.47            | -1.28       | 54.0           | 9.53        | AV       | 253.00         | 200         | Vertical | Pass    |
| 6   | 12301.362       | 52.49            | 0.66        | 74.0           | 21.51       | Peak     | 288.00         | 100         | Vertical | Pass    |
| 6** | 12301.362       | 43.62            | 0.66        | 54.0           | 10.38       | AV       | 288.00         | 100         | 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   | 1453.900        | 37.19            | -19.74      | 74.0           | 36.81       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 1** | 1453.900        | 27.25            | -19.74      | 54.0           | 26.75       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 2   | 2882.100        | 43.92            | -12.25      | 74.0           | 30.08       | Peak     | 36.00          | 100         | Horizontal | Pass    |
| 2** | 2882.100        | 34.89            | -12.25      | 54.0           | 19.11       | AV       | 36.00          | 100         | Horizontal | Pass    |
| 3   | 4333.250        | 48.30            | -6.10       | 74.0           | 25.70       | Peak     | 65.00          | 200         | Horizontal | Pass    |
| 3** | 4333.250        | 38.43            | -6.10       | 54.0           | 15.57       | AV       | 65.00          | 200         | Horizontal | Pass    |
| 4   | 5191.750        | 100.45           | -4.39       | --             | --          | Peak     | 90.00          | 100         | Horizontal | N/A     |
| 4** | 5191.750        | 92.88            | -4.39       | --             | --          | AV       | 90.00          | 100         | Horizontal | N/A     |
| 5   | 7500.500        | 54.36            | -0.77       | 74.0           | 19.64       | Peak     | 147.00         | 200         | Horizontal | Pass    |
| 5** | 7500.500        | 46.00            | -0.77       | 54.0           | 8.00        | AV       | 147.00         | 200         | Horizontal | Pass    |
| 6   | 12544.326       | 52.35            | 1.49        | 74.0           | 21.65       | Peak     | 144.00         | 200         | Horizontal | Pass    |
| 6** | 12544.326       | 44.01            | 1.49        | 54.0           | 9.99        | AV       | 144.00         | 200         | 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   | 1483.000        | 37.01            | -19.61      | 74.0           | 36.99       | Peak     | 15.00          | 300         | Vertical | Pass    |
| 1** | 1483.000        | 28.42            | -19.61      | 54.0           | 25.58       | AV       | 15.00          | 300         | Vertical | Pass    |
| 2   | 2856.000        | 44.35            | -12.34      | 74.0           | 29.65       | Peak     | 246.00         | 100         | Vertical | Pass    |
| 2** | 2856.000        | 35.11            | -12.34      | 54.0           | 18.89       | AV       | 246.00         | 100         | Vertical | Pass    |
| 3   | 4319.250        | 47.20            | -5.97       | 74.0           | 26.80       | Peak     | 225.00         | 100         | Vertical | Pass    |
| 3** | 4319.250        | 38.70            | -5.97       | 54.0           | 15.30       | AV       | 225.00         | 100         | Vertical | Pass    |
| 4   | 5191.500        | 94.91            | -4.39       | --             | --          | Peak     | 0.00           | 100         | Vertical | N/A     |
| 4** | 5191.500        | 87.37            | -4.39       | --             | --          | AV       | 0.00           | 100         | Vertical | N/A     |
| 5   | 7500.750        | 54.63            | -0.78       | 74.0           | 19.37       | Peak     | 191.00         | 200         | Vertical | Pass    |
| 5** | 7500.750        | 45.78            | -0.78       | 54.0           | 8.22        | AV       | 191.00         | 200         | Vertical | Pass    |
| 6   | 12665.213       | 52.55            | 0.66        | 74.0           | 21.45       | Peak     | 245.00         | 300         | Vertical | Pass    |
| 6** | 12665.213       | 42.54            | 0.66        | 54.0           | 11.46       | AV       | 245.00         | 300         | 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   | 1503.300        | 37.72            | -19.55      | 74.0           | 36.28       | Peak     | 352.00         | 100         | Horizontal | Pass    |
| 1** | 1503.300        | 28.32            | -19.55      | 54.0           | 25.68       | AV       | 352.00         | 100         | Horizontal | Pass    |
| 2   | 2806.500        | 43.75            | -13.10      | 74.0           | 30.25       | Peak     | 187.00         | 200         | Horizontal | Pass    |
| 2** | 2806.500        | 33.76            | -13.10      | 54.0           | 20.24       | AV       | 187.00         | 200         | Horizontal | Pass    |
| 3   | 4342.250        | 47.53            | -6.29       | 74.0           | 26.47       | Peak     | 290.00         | 300         | Horizontal | Pass    |
| 3** | 4342.250        | 38.38            | -6.29       | 54.0           | 15.62       | AV       | 290.00         | 300         | Horizontal | Pass    |
| 4   | 5235.000        | 101.12           | -5.10       | --             | --          | Peak     | 84.00          | 100         | Horizontal | N/A     |
| 4** | 5235.000        | 93.72            | -5.10       | --             | --          | AV       | 84.00          | 100         | Horizontal | N/A     |
| 5   | 7549.250        | 54.51            | -0.98       | 74.0           | 19.49       | Peak     | 19.00          | 100         | Horizontal | Pass    |
| 5** | 7549.250        | 44.87            | -0.98       | 54.0           | 9.13        | AV       | 19.00          | 100         | Horizontal | Pass    |
| 6   | 12541.237       | 52.73            | 1.42        | 74.0           | 21.27       | Peak     | 97.00          | 300         | Horizontal | Pass    |
| 6** | 12541.237       | 43.42            | 1.42        | 54.0           | 10.58       | AV       | 97.00          | 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   | 1481.600        | 37.58            | -19.66      | 74.0           | 36.42       | Peak     | 357.00         | 100         | Vertical | Pass    |
| 1** | 1481.600        | 27.52            | -19.66      | 54.0           | 26.48       | AV       | 357.00         | 100         | Vertical | Pass    |
| 2   | 2858.200        | 43.54            | -12.34      | 74.0           | 30.46       | Peak     | 14.00          | 200         | Vertical | Pass    |
| 2** | 2858.200        | 34.30            | -12.34      | 54.0           | 19.70       | AV       | 14.00          | 200         | Vertical | Pass    |
| 3   | 4334.750        | 47.62            | -6.14       | 74.0           | 26.38       | Peak     | 226.00         | 200         | Vertical | Pass    |
| 3** | 4334.750        | 38.76            | -6.14       | 54.0           | 15.24       | AV       | 226.00         | 200         | Vertical | Pass    |
| 4   | 5232.750        | 94.03            | -5.14       | --             | --          | Peak     | 355.00         | 200         | Vertical | N/A     |
| 4** | 5232.750        | 86.73            | -5.14       | --             | --          | AV       | 355.00         | 200         | Vertical | N/A     |
| 5   | 7500.750        | 54.82            | -0.78       | 74.0           | 19.18       | Peak     | 226.00         | 200         | Vertical | Pass    |
| 5** | 7500.750        | 46.44            | -0.78       | 54.0           | 7.56        | AV       | 226.00         | 200         | Vertical | Pass    |
| 6   | 12578.763       | 52.62            | 1.35        | 74.0           | 21.38       | Peak     | 98.00          | 100         | Vertical | Pass    |
| 6** | 12578.763       | 43.71            | 1.35        | 54.0           | 10.29       | AV       | 98.00          | 100         | 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   | 1497.200        | 37.43            | -19.52      | 74.0           | 36.57       | Peak     | 53.00          | 200         | Horizontal | Pass    |
| 1** | 1497.200        | 28.56            | -19.52      | 54.0           | 25.44       | AV       | 53.00          | 200         | Horizontal | Pass    |
| 2   | 2889.400        | 43.49            | -12.15      | 74.0           | 30.51       | Peak     | 233.00         | 200         | Horizontal | Pass    |
| 2** | 2889.400        | 35.14            | -12.15      | 54.0           | 18.86       | AV       | 233.00         | 200         | Horizontal | Pass    |
| 3   | 4322.250        | 47.38            | -5.92       | 74.0           | 26.62       | Peak     | 216.00         | 100         | Horizontal | Pass    |
| 3** | 4322.250        | 39.16            | -5.92       | 54.0           | 14.84       | AV       | 216.00         | 100         | Horizontal | Pass    |
| 4   | 5203.250        | 96.99            | -4.56       | --             | --          | Peak     | 84.00          | 200         | Horizontal | N/A     |
| 4** | 5203.250        | 88.59            | -4.56       | --             | --          | AV       | 84.00          | 200         | Horizontal | N/A     |
| 5   | 7591.250        | 54.39            | -0.72       | 74.0           | 19.61       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 5** | 7591.250        | 44.93            | -0.72       | 54.0           | 9.07        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 6   | 12587.076       | 52.83            | 1.27        | 74.0           | 21.17       | Peak     | 120.00         | 200         | Horizontal | Pass    |
| 6** | 12587.076       | 44.33            | 1.27        | 54.0           | 9.67        | AV       | 120.00         | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1499.300        | 37.12            | -19.50      | 74.0           | 36.88       | Peak     | 206.00         | 100         | Vertical | Pass    |
| 1** | 1499.300        | 28.33            | -19.50      | 54.0           | 25.67       | AV       | 206.00         | 100         | Vertical | Pass    |
| 2   | 2738.200        | 43.20            | -12.08      | 74.0           | 30.80       | Peak     | 186.00         | 100         | Vertical | Pass    |
| 2** | 2738.200        | 34.18            | -12.08      | 54.0           | 19.82       | AV       | 186.00         | 100         | Vertical | Pass    |
| 3   | 4149.500        | 47.45            | -7.33       | 74.0           | 26.55       | Peak     | 282.00         | 100         | Vertical | Pass    |
| 3** | 4149.500        | 37.31            | -7.33       | 54.0           | 16.69       | AV       | 282.00         | 100         | Vertical | Pass    |
| 4   | 5212.000        | 90.00            | -4.71       | --             | --          | Peak     | 354.00         | 100         | Vertical | N/A     |
| 4** | 5212.000        | 82.07            | -4.71       | --             | --          | AV       | 354.00         | 100         | Vertical | N/A     |
| 5   | 7489.750        | 54.62            | -0.32       | 74.0           | 19.38       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 7489.750        | 45.44            | -0.32       | 54.0           | 8.56        | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 12301.362       | 52.74            | 0.66        | 74.0           | 21.26       | Peak     | 175.00         | 100         | Vertical | Pass    |
| 6** | 12301.362       | 42.85            | 0.66        | 54.0           | 11.15       | AV       | 175.00         | 100         | 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   | 1460.700        | 37.06            | -19.72      | 74.0           | 36.94       | Peak     | 313.00         | 100         | Horizontal | Pass    |
| 1** | 1460.700        | 27.47            | -19.72      | 54.0           | 26.53       | AV       | 313.00         | 100         | Horizontal | Pass    |
| 2   | 2834.200        | 43.49            | -12.52      | 74.0           | 30.51       | Peak     | 48.00          | 100         | Horizontal | Pass    |
| 2** | 2834.200        | 34.07            | -12.52      | 54.0           | 19.93       | AV       | 48.00          | 100         | Horizontal | Pass    |
| 3   | 4328.250        | 47.48            | -5.94       | 74.0           | 26.52       | Peak     | 24.00          | 100         | Horizontal | Pass    |
| 3** | 4328.250        | 38.04            | -5.94       | 54.0           | 15.96       | AV       | 24.00          | 100         | Horizontal | Pass    |
| 4   | 5261.250        | 106.10           | -5.22       | --             | --          | Peak     | 90.00          | 100         | Horizontal | N/A     |
| 4** | 5261.250        | 98.69            | -5.22       | --             | --          | AV       | 90.00          | 100         | Horizontal | N/A     |
| 5   | 7612.250        | 54.73            | -1.08       | 74.0           | 19.27       | Peak     | 214.00         | 200         | Horizontal | Pass    |
| 5** | 7612.250        | 44.84            | -1.08       | 54.0           | 9.16        | AV       | 214.00         | 200         | Horizontal | Pass    |
| 6   | 12529.838       | 53.20            | 1.17        | 74.0           | 20.80       | Peak     | 334.00         | 100         | Horizontal | Pass    |
| 6** | 12529.838       | 42.79            | 1.17        | 54.0           | 11.21       | AV       | 334.00         | 100         | 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   | 1517.500        | 37.13            | -19.57      | 74.0           | 36.87       | Peak     | 267.00         | 200         | Vertical | Pass    |
| 1** | 1517.500        | 26.84            | -19.57      | 54.0           | 27.16       | AV       | 267.00         | 200         | Vertical | Pass    |
| 2   | 2726.700        | 44.28            | -11.60      | 74.0           | 29.72       | Peak     | 342.00         | 200         | Vertical | Pass    |
| 2** | 2726.700        | 34.12            | -11.60      | 54.0           | 19.88       | AV       | 342.00         | 200         | Vertical | Pass    |
| 3   | 4333.250        | 47.39            | -6.10       | 74.0           | 26.61       | Peak     | 248.00         | 200         | Vertical | Pass    |
| 3** | 4333.250        | 38.09            | -6.10       | 54.0           | 15.91       | AV       | 248.00         | 200         | Vertical | Pass    |
| 4   | 5261.500        | 98.66            | -5.21       | --             | --          | Peak     | 0.00           | 100         | Vertical | N/A     |
| 4** | 5261.500        | 91.08            | -5.21       | --             | --          | AV       | 0.00           | 100         | Vertical | N/A     |
| 5   | 7589.750        | 54.29            | -0.83       | 74.0           | 19.71       | Peak     | 207.00         | 200         | Vertical | Pass    |
| 5** | 7589.750        | 45.74            | -0.83       | 54.0           | 8.26        | AV       | 207.00         | 200         | Vertical | Pass    |
| 6   | 12362.401       | 53.07            | 0.63        | 74.0           | 20.93       | Peak     | 42.00          | 200         | Vertical | Pass    |
| 6** | 12362.401       | 44.35            | 0.63        | 54.0           | 9.65        | AV       | 42.00          | 200         | 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   | 1572.500        | 36.89            | -19.95      | 74.0           | 37.11       | Peak     | 306.00         | 200         | Horizontal | Pass    |
| 1** | 1572.500        | 28.10            | -19.95      | 54.0           | 25.90       | AV       | 306.00         | 200         | Horizontal | Pass    |
| 2   | 2868.800        | 44.29            | -12.44      | 74.0           | 29.71       | Peak     | 13.00          | 200         | Horizontal | Pass    |
| 2** | 2868.800        | 33.76            | -12.44      | 54.0           | 20.24       | AV       | 13.00          | 200         | Horizontal | Pass    |
| 3   | 4340.750        | 47.23            | -6.29       | 74.0           | 26.77       | Peak     | 123.00         | 100         | Horizontal | Pass    |
| 3** | 4340.750        | 38.41            | -6.29       | 54.0           | 15.59       | AV       | 123.00         | 100         | Horizontal | Pass    |
| 4   | 5302.000        | 107.67           | -5.65       | --             | --          | Peak     | 82.00          | 100         | Horizontal | N/A     |
| 4** | 5302.000        | 97.96            | -5.65       | --             | --          | AV       | 82.00          | 100         | Horizontal | N/A     |
| 5   | 7597.000        | 54.21            | -0.44       | 74.0           | 19.79       | Peak     | 197.00         | 200         | Horizontal | Pass    |
| 5** | 7597.000        | 45.45            | -0.44       | 54.0           | 8.55        | AV       | 197.00         | 200         | Horizontal | Pass    |
| 6   | 12578.050       | 52.56            | 1.35        | 74.0           | 21.44       | Peak     | 192.00         | 100         | Horizontal | Pass    |
| 6** | 12578.050       | 43.59            | 1.35        | 54.0           | 10.41       | AV       | 192.00         | 100         | 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   | 1502.200        | 37.27            | -19.53      | 74.0           | 36.73       | Peak     | 71.00          | 100         | Vertical | Pass    |
| 1** | 1502.200        | 27.74            | -19.53      | 54.0           | 26.26       | AV       | 71.00          | 100         | Vertical | Pass    |
| 2   | 2866.400        | 43.55            | -12.32      | 74.0           | 30.45       | Peak     | 11.00          | 100         | Vertical | Pass    |
| 2** | 2866.400        | 34.00            | -12.32      | 54.0           | 20.00       | AV       | 11.00          | 100         | Vertical | Pass    |
| 3   | 3853.000        | 47.52            | -7.52       | 74.0           | 26.48       | Peak     | 331.00         | 100         | Vertical | Pass    |
| 3** | 3853.000        | 37.50            | -7.52       | 54.0           | 16.50       | AV       | 331.00         | 100         | Vertical | Pass    |
| 4   | 5299.000        | 98.63            | -5.60       | --             | --          | Peak     | 348.00         | 200         | Vertical | N/A     |
| 4** | 5299.000        | 91.33            | -5.60       | --             | --          | AV       | 348.00         | 200         | Vertical | N/A     |
| 5   | 7500.000        | 55.23            | -0.74       | 74.0           | 18.77       | Peak     | 290.00         | 100         | Vertical | Pass    |
| 5** | 7500.000        | 45.68            | -0.74       | 54.0           | 8.32        | AV       | 290.00         | 100         | Vertical | Pass    |
| 6   | 12294.237       | 52.35            | 0.62        | 74.0           | 21.65       | Peak     | 125.00         | 200         | Vertical | Pass    |
| 6** | 12294.237       | 43.06            | 0.62        | 54.0           | 10.94       | AV       | 125.00         | 200         | 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   | 1532.400        | 37.26            | -19.71      | 74.0           | 36.74       | Peak     | 266.00         | 100         | Horizontal | Pass    |
| 1** | 1532.400        | 27.39            | -19.71      | 54.0           | 26.61       | AV       | 266.00         | 100         | Horizontal | Pass    |
| 2   | 2765.100        | 43.70            | -12.74      | 74.0           | 30.30       | Peak     | 309.00         | 200         | Horizontal | Pass    |
| 2** | 2765.100        | 33.74            | -12.74      | 54.0           | 20.26       | AV       | 309.00         | 200         | Horizontal | Pass    |
| 3   | 4159.500        | 47.40            | -7.12       | 74.0           | 26.60       | Peak     | 230.00         | 200         | Horizontal | Pass    |
| 3** | 4159.500        | 37.70            | -7.12       | 54.0           | 16.30       | AV       | 230.00         | 200         | Horizontal | Pass    |
| 4   | 5322.000        | 105.69           | -5.60       | --             | --          | Peak     | 86.00          | 300         | Horizontal | N/A     |
| 4** | 5322.000        | 98.37            | -5.60       | --             | --          | AV       | 86.00          | 300         | Horizontal | N/A     |
| 5   | 7486.750        | 54.12            | -0.37       | 74.0           | 19.88       | Peak     | 305.00         | 200         | Horizontal | Pass    |
| 5** | 7486.750        | 45.55            | -0.37       | 54.0           | 8.45        | AV       | 305.00         | 200         | Horizontal | Pass    |
| 6   | 12325.826       | 52.98            | 0.70        | 74.0           | 21.02       | Peak     | 347.00         | 300         | Horizontal | Pass    |
| 6** | 12325.826       | 43.40            | 0.70        | 54.0           | 10.60       | AV       | 347.00         | 300         | 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   | 1518.300        | 36.73            | -19.60      | 74.0           | 37.27       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 1** | 1518.300        | 27.44            | -19.60      | 54.0           | 26.56       | AV       | 360.00         | 300         | Vertical | Pass    |
| 2   | 2818.300        | 43.60            | -12.87      | 74.0           | 30.40       | Peak     | 169.00         | 400         | Vertical | Pass    |
| 2** | 2818.300        | 33.69            | -12.87      | 54.0           | 20.31       | AV       | 169.00         | 400         | Vertical | Pass    |
| 3   | 4336.000        | 48.53            | -6.11       | 74.0           | 25.47       | Peak     | 58.00          | 200         | Vertical | Pass    |
| 3** | 4336.000        | 39.01            | -6.11       | 54.0           | 14.99       | AV       | 58.00          | 200         | Vertical | Pass    |
| 4   | 5321.750        | 98.07            | -5.61       | --             | --          | Peak     | 355.00         | 300         | Vertical | N/A     |
| 4** | 5321.750        | 90.70            | -5.61       | --             | --          | AV       | 355.00         | 300         | Vertical | N/A     |
| 5   | 7545.750        | 54.34            | -0.56       | 74.0           | 19.66       | Peak     | 348.00         | 100         | Vertical | Pass    |
| 5** | 7545.750        | 45.03            | -0.56       | 54.0           | 8.97        | AV       | 348.00         | 100         | Vertical | Pass    |
| 6   | 12577.338       | 52.98            | 1.36        | 74.0           | 21.02       | Peak     | 52.00          | 300         | Vertical | Pass    |
| 6** | 12577.338       | 44.02            | 1.36        | 54.0           | 9.98        | AV       | 52.00          | 300         | 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   | 1505.000        | 36.48            | -19.56      | 74.0           | 37.52       | Peak     | 94.00          | 200         | Horizontal | Pass    |
| 1** | 1505.000        | 27.75            | -19.56      | 54.0           | 26.25       | AV       | 94.00          | 200         | Horizontal | Pass    |
| 2   | 2728.900        | 43.07            | -11.48      | 74.0           | 30.93       | Peak     | 307.00         | 200         | Horizontal | Pass    |
| 2** | 2728.900        | 35.51            | -11.48      | 54.0           | 18.49       | AV       | 307.00         | 200         | Horizontal | Pass    |
| 3   | 4342.500        | 47.27            | -6.28       | 74.0           | 26.73       | Peak     | 108.00         | 100         | Horizontal | Pass    |
| 3** | 4342.500        | 38.75            | -6.28       | 54.0           | 15.25       | AV       | 108.00         | 100         | Horizontal | Pass    |
| 4   | 5261.250        | 104.93           | -5.22       | --             | --          | Peak     | 91.00          | 100         | Horizontal | N/A     |
| 4** | 5261.250        | 97.68            | -5.22       | --             | --          | AV       | 91.00          | 100         | Horizontal | N/A     |
| 5   | 7711.750        | 54.25            | -1.62       | 74.0           | 19.75       | Peak     | 207.00         | 100         | Horizontal | Pass    |
| 5** | 7711.750        | 43.93            | -1.62       | 54.0           | 10.07       | AV       | 207.00         | 100         | Horizontal | Pass    |
| 6   | 12617.000       | 52.72            | 1.01        | 74.0           | 21.28       | Peak     | 258.00         | 100         | Horizontal | Pass    |
| 6** | 12617.000       | 42.93            | 1.01        | 54.0           | 11.07       | AV       | 258.00         | 100         | 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   | 1500.400        | 36.80            | -19.48      | 74.0           | 37.20       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 1** | 1500.400        | 27.90            | -19.48      | 54.0           | 26.10       | AV       | 360.00         | 200         | Vertical | Pass    |
| 2   | 2882.700        | 43.59            | -12.26      | 74.0           | 30.41       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 2** | 2882.700        | 34.07            | -12.26      | 54.0           | 19.93       | AV       | 0.00           | 100         | Vertical | Pass    |
| 3   | 4324.250        | 47.66            | -5.93       | 74.0           | 26.34       | Peak     | 124.00         | 200         | Vertical | Pass    |
| 3** | 4324.250        | 38.77            | -5.93       | 54.0           | 15.23       | AV       | 124.00         | 200         | Vertical | Pass    |
| 4   | 5261.500        | 97.58            | -5.21       | --             | --          | Peak     | 348.00         | 100         | Vertical | N/A     |
| 4** | 5261.500        | 89.30            | -5.21       | --             | --          | AV       | 348.00         | 100         | Vertical | N/A     |
| 5   | 7562.750        | 54.42            | -1.67       | 74.0           | 19.58       | Peak     | 116.00         | 200         | Vertical | Pass    |
| 5** | 7562.750        | 44.63            | -1.67       | 54.0           | 9.37        | AV       | 116.00         | 200         | Vertical | Pass    |
| 6   | 12304.451       | 52.76            | 0.66        | 74.0           | 21.24       | Peak     | 143.00         | 100         | Vertical | Pass    |
| 6** | 12304.451       | 43.56            | 0.66        | 54.0           | 10.44       | AV       | 143.00         | 100         | 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   | 1440.200        | 37.26            | -19.77      | 74.0           | 36.74       | Peak     | 248.00         | 200         | Horizontal | Pass    |
| 1** | 1440.200        | 28.10            | -19.77      | 54.0           | 25.90       | AV       | 248.00         | 200         | Horizontal | Pass    |
| 2   | 2736.600        | 43.55            | -11.93      | 74.0           | 30.45       | Peak     | 179.00         | 200         | Horizontal | Pass    |
| 2** | 2736.600        | 33.67            | -11.93      | 54.0           | 20.33       | AV       | 179.00         | 200         | Horizontal | Pass    |
| 3   | 4349.000        | 47.77            | -6.56       | 74.0           | 26.23       | Peak     | 154.00         | 200         | Horizontal | Pass    |
| 3** | 4349.000        | 38.62            | -6.56       | 54.0           | 15.38       | AV       | 154.00         | 200         | Horizontal | Pass    |
| 4   | 5301.750        | 104.79           | -5.66       | --             | --          | Peak     | 80.00          | 100         | Horizontal | N/A     |
| 4** | 5301.750        | 97.61            | -5.66       | --             | --          | AV       | 80.00          | 100         | Horizontal | N/A     |
| 5   | 7595.000        | 54.44            | -0.48       | 74.0           | 19.56       | Peak     | 356.00         | 100         | Horizontal | Pass    |
| 5** | 7595.000        | 45.37            | -0.48       | 54.0           | 8.63        | AV       | 356.00         | 100         | Horizontal | Pass    |
| 6   | 12298.750       | 52.39            | 0.65        | 74.0           | 21.61       | Peak     | 278.00         | 200         | Horizontal | Pass    |
| 6** | 12298.750       | 42.91            | 0.65        | 54.0           | 11.09       | AV       | 278.00         | 200         | 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   | 1521.300        | 36.68            | -19.55      | 74.0           | 37.32       | Peak     | 301.00         | 300         | Vertical | Pass    |
| 1** | 1521.300        | 27.64            | -19.55      | 54.0           | 26.36       | AV       | 301.00         | 300         | Vertical | Pass    |
| 2   | 2770.500        | 43.52            | -12.84      | 74.0           | 30.48       | Peak     | 122.00         | 300         | Vertical | Pass    |
| 2** | 2770.500        | 34.05            | -12.84      | 54.0           | 19.95       | AV       | 122.00         | 300         | Vertical | Pass    |
| 3   | 4339.500        | 47.78            | -6.24       | 74.0           | 26.22       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 3** | 4339.500        | 38.26            | -6.24       | 54.0           | 15.74       | AV       | 360.00         | 300         | Vertical | Pass    |
| 4   | 5298.500        | 97.18            | -5.56       | --             | --          | Peak     | 346.00         | 200         | Vertical | N/A     |
| 4** | 5298.500        | 89.87            | -5.56       | --             | --          | AV       | 346.00         | 200         | Vertical | N/A     |
| 5   | 7496.250        | 54.66            | -0.51       | 74.0           | 19.34       | Peak     | 355.00         | 300         | Vertical | Pass    |
| 5** | 7496.250        | 45.24            | -0.51       | 54.0           | 8.76        | AV       | 355.00         | 300         | Vertical | Pass    |
| 6   | 12274.050       | 52.35            | 0.50        | 74.0           | 21.65       | Peak     | 217.00         | 200         | Vertical | Pass    |
| 6** | 12274.050       | 42.60            | 0.50        | 54.0           | 11.40       | AV       | 217.00         | 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   | 1490.800        | 37.05            | -19.48      | 74.0           | 36.95       | Peak     | 63.00          | 100         | Horizontal | Pass    |
| 1** | 1490.800        | 27.89            | -19.48      | 54.0           | 26.11       | AV       | 63.00          | 100         | Horizontal | Pass    |
| 2   | 2734.900        | 43.49            | -11.84      | 74.0           | 30.51       | Peak     | 99.00          | 100         | Horizontal | Pass    |
| 2** | 2734.900        | 33.57            | -11.84      | 54.0           | 20.43       | AV       | 99.00          | 100         | Horizontal | Pass    |
| 3   | 4328.000        | 47.15            | -5.94       | 74.0           | 26.85       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 3** | 4328.000        | 38.82            | -5.94       | 54.0           | 15.18       | AV       | 0.00           | 200         | Horizontal | Pass    |
| 4   | 5320.750        | 104.72           | -5.62       | --             | --          | Peak     | 85.00          | 200         | Horizontal | N/A     |
| 4** | 5320.750        | 97.13            | -5.62       | --             | --          | AV       | 85.00          | 200         | Horizontal | N/A     |
| 5   | 7538.250        | 54.53            | -0.23       | 74.0           | 19.47       | Peak     | 218.00         | 200         | Horizontal | Pass    |
| 5** | 7538.250        | 45.94            | -0.23       | 54.0           | 8.06        | AV       | 218.00         | 200         | Horizontal | Pass    |
| 6   | 12355.276       | 52.62            | 0.69        | 74.0           | 21.38       | Peak     | 217.00         | 200         | Horizontal | Pass    |
| 6** | 12355.276       | 43.30            | 0.69        | 54.0           | 10.70       | AV       | 217.00         | 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   | 1578.600        | 36.49            | -19.91      | 74.0           | 37.51       | Peak     | 195.00         | 100         | Vertical | Pass    |
| 1** | 1578.600        | 27.27            | -19.91      | 54.0           | 26.73       | AV       | 195.00         | 100         | Vertical | Pass    |
| 2   | 2790.900        | 43.48            | -12.59      | 74.0           | 30.52       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 2** | 2790.900        | 34.43            | -12.59      | 54.0           | 19.57       | AV       | 0.00           | 100         | Vertical | Pass    |
| 3   | 4353.500        | 47.75            | -6.60       | 74.0           | 26.25       | Peak     | 223.00         | 100         | Vertical | Pass    |
| 3** | 4353.500        | 38.14            | -6.60       | 54.0           | 15.86       | AV       | 223.00         | 100         | Vertical | Pass    |
| 4   | 5321.250        | 96.90            | -5.61       | --             | --          | Peak     | 360.00         | 100         | Vertical | N/A     |
| 4** | 5321.250        | 89.41            | -5.61       | --             | --          | AV       | 360.00         | 100         | Vertical | N/A     |
| 5   | 7589.750        | 54.33            | -0.83       | 74.0           | 19.67       | Peak     | 9.00           | 200         | Vertical | Pass    |
| 5** | 7589.750        | 45.55            | -0.83       | 54.0           | 8.45        | AV       | 9.00           | 200         | Vertical | Pass    |
| 6   | 12636.713       | 52.63            | 0.84        | 74.0           | 21.37       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 6** | 12636.713       | 43.14            | 0.84        | 54.0           | 10.86       | AV       | 360.00         | 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   | 1508.600        | 37.49            | -19.56      | 74.0           | 36.51       | Peak     | 88.00          | 100         | Horizontal | Pass    |
| 1** | 1508.600        | 27.04            | -19.56      | 54.0           | 26.96       | AV       | 88.00          | 100         | Horizontal | Pass    |
| 2   | 2888.400        | 43.74            | -12.13      | 74.0           | 30.26       | Peak     | 321.00         | 200         | Horizontal | Pass    |
| 2** | 2888.400        | 34.65            | -12.13      | 54.0           | 19.35       | AV       | 321.00         | 200         | Horizontal | Pass    |
| 3   | 4347.500        | 47.87            | -6.50       | 74.0           | 26.13       | Peak     | 315.00         | 200         | Horizontal | Pass    |
| 3** | 4347.500        | 38.23            | -6.50       | 54.0           | 15.77       | AV       | 315.00         | 200         | Horizontal | Pass    |
| 4   | 5272.000        | 101.72           | -5.00       | --             | --          | Peak     | 84.00          | 100         | Horizontal | N/A     |
| 4** | 5272.000        | 94.17            | -5.00       | --             | --          | AV       | 84.00          | 100         | Horizontal | N/A     |
| 5   | 7505.000        | 54.92            | -1.02       | 74.0           | 19.08       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 5** | 7505.000        | 45.31            | -1.02       | 54.0           | 8.69        | AV       | 360.00         | 200         | Horizontal | Pass    |
| 6   | 12575.438       | 52.61            | 1.38        | 74.0           | 21.39       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 6** | 12575.438       | 44.09            | 1.38        | 54.0           | 9.91        | AV       | 0.00           | 200         | 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   | 1517.800        | 36.99            | -19.58      | 74.0           | 37.01       | Peak     | 130.00         | 100         | Vertical | Pass    |
| 1** | 1517.800        | 27.46            | -19.58      | 54.0           | 26.54       | AV       | 130.00         | 100         | Vertical | Pass    |
| 2   | 2726.600        | 43.64            | -11.61      | 74.0           | 30.36       | Peak     | 20.00          | 300         | Vertical | Pass    |
| 2** | 2726.600        | 33.86            | -11.61      | 54.0           | 20.14       | AV       | 20.00          | 300         | Vertical | Pass    |
| 3   | 4376.000        | 47.81            | -7.20       | 74.0           | 26.19       | Peak     | 186.00         | 300         | Vertical | Pass    |
| 3** | 4376.000        | 38.23            | -7.20       | 54.0           | 15.77       | AV       | 186.00         | 300         | Vertical | Pass    |
| 4   | 5265.500        | 92.95            | -5.11       | --             | --          | Peak     | 354.00         | 300         | Vertical | N/A     |
| 4** | 5265.500        | 85.61            | -5.11       | --             | --          | AV       | 354.00         | 300         | Vertical | N/A     |
| 5   | 7495.000        | 54.25            | -0.41       | 74.0           | 19.75       | Peak     | 326.00         | 200         | Vertical | Pass    |
| 5** | 7495.000        | 45.45            | -0.41       | 54.0           | 8.55        | AV       | 326.00         | 200         | Vertical | Pass    |
| 6   | 12573.776       | 52.64            | 1.39        | 74.0           | 21.36       | Peak     | 247.00         | 100         | Vertical | Pass    |
| 6** | 12573.776       | 43.71            | 1.39        | 54.0           | 10.29       | AV       | 247.00         | 100         | 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   | 1550.400        | 37.21            | -19.79      | 74.0           | 36.79       | Peak     | 68.00          | 100         | Horizontal | Pass    |
| 1** | 1550.400        | 27.01            | -19.79      | 54.0           | 26.99       | AV       | 68.00          | 100         | Horizontal | Pass    |
| 2   | 2719.000        | 43.20            | -12.25      | 74.0           | 30.80       | Peak     | 187.00         | 200         | Horizontal | Pass    |
| 2** | 2719.000        | 33.53            | -12.25      | 54.0           | 20.47       | AV       | 187.00         | 200         | Horizontal | Pass    |
| 3   | 4372.000        | 47.86            | -7.04       | 74.0           | 26.14       | Peak     | 107.00         | 200         | Horizontal | Pass    |
| 3** | 4372.000        | 38.51            | -7.04       | 54.0           | 15.49       | AV       | 107.00         | 200         | Horizontal | Pass    |
| 4   | 5311.500        | 101.13           | -5.71       | --             | --          | Peak     | 82.00          | 200         | Horizontal | N/A     |
| 4** | 5311.500        | 93.00            | -5.71       | --             | --          | AV       | 82.00          | 200         | Horizontal | N/A     |
| 5   | 7544.000        | 54.34            | -0.36       | 74.0           | 19.66       | Peak     | 91.00          | 200         | Horizontal | Pass    |
| 5** | 7544.000        | 45.94            | -0.36       | 54.0           | 8.06        | AV       | 91.00          | 200         | Horizontal | Pass    |
| 6   | 12350.525       | 52.36            | 0.73        | 74.0           | 21.64       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 6** | 12350.525       | 43.21            | 0.73        | 54.0           | 10.79       | AV       | 360.00         | 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   | 1490.000        | 37.53            | -19.50      | 74.0           | 36.47       | Peak     | 160.00         | 200         | Vertical | Pass    |
| 1** | 1490.000        | 28.37            | -19.50      | 54.0           | 25.63       | AV       | 160.00         | 200         | Vertical | Pass    |
| 2   | 2766.100        | 43.46            | -12.75      | 74.0           | 30.54       | Peak     | 325.00         | 300         | Vertical | Pass    |
| 2** | 2766.100        | 33.86            | -12.75      | 54.0           | 20.14       | AV       | 325.00         | 300         | Vertical | Pass    |
| 3   | 4358.000        | 47.43            | -6.59       | 74.0           | 26.57       | Peak     | 53.00          | 100         | Vertical | Pass    |
| 3** | 4358.000        | 37.96            | -6.59       | 54.0           | 16.04       | AV       | 53.00          | 100         | Vertical | Pass    |
| 4   | 5311.500        | 93.31            | -5.71       | --             | --          | Peak     | 4.00           | 200         | Vertical | N/A     |
| 4** | 5311.500        | 85.87            | -5.71       | --             | --          | AV       | 4.00           | 200         | Vertical | N/A     |
| 5   | 7497.000        | 54.48            | -0.57       | 74.0           | 19.52       | Peak     | 277.00         | 100         | Vertical | Pass    |
| 5** | 7497.000        | 45.82            | -0.57       | 54.0           | 8.18        | AV       | 277.00         | 100         | Vertical | Pass    |
| 6   | 12298.750       | 52.43            | 0.65        | 74.0           | 21.57       | Peak     | 222.00         | 200         | Vertical | Pass    |
| 6** | 12298.750       | 43.54            | 0.65        | 54.0           | 10.46       | AV       | 222.00         | 200         | 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   | 1470.400        | 37.18            | -19.77      | 74.0           | 36.82       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1470.400        | 26.97            | -19.77      | 54.0           | 27.03       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 2815.900        | 43.09            | -12.91      | 74.0           | 30.91       | Peak     | 230.00         | 100         | Horizontal | Pass    |
| 2** | 2815.900        | 33.48            | -12.91      | 54.0           | 20.52       | AV       | 230.00         | 100         | Horizontal | Pass    |
| 3   | 4347.000        | 47.72            | -6.49       | 74.0           | 26.28       | Peak     | 197.00         | 300         | Horizontal | Pass    |
| 3** | 4347.000        | 38.22            | -6.49       | 54.0           | 15.78       | AV       | 197.00         | 300         | Horizontal | Pass    |
| 4   | 5262.000        | 104.85           | -5.21       | --             | --          | Peak     | 88.00          | 200         | Horizontal | N/A     |
| 4** | 5262.000        | 97.46            | -5.21       | --             | --          | AV       | 88.00          | 200         | Horizontal | N/A     |
| 5   | 7488.250        | 54.59            | -0.34       | 74.0           | 19.41       | Peak     | 313.00         | 300         | Horizontal | Pass    |
| 5** | 7488.250        | 45.16            | -0.34       | 54.0           | 8.84        | AV       | 313.00         | 300         | Horizontal | Pass    |
| 6   | 12576.151       | 52.97            | 1.37        | 74.0           | 21.03       | Peak     | 48.00          | 200         | Horizontal | Pass    |
| 6** | 12576.151       | 43.70            | 1.37        | 54.0           | 10.30       | AV       | 48.00          | 200         | 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   | 1593.000        | 37.34            | -19.99      | 74.0           | 36.66       | Peak     | 162.00         | 100         | Vertical | Pass    |
| 1** | 1593.000        | 27.56            | -19.99      | 54.0           | 26.44       | AV       | 162.00         | 100         | Vertical | Pass    |
| 2   | 2772.500        | 43.58            | -12.91      | 74.0           | 30.42       | Peak     | 350.00         | 100         | Vertical | Pass    |
| 2** | 2772.500        | 33.75            | -12.91      | 54.0           | 20.25       | AV       | 350.00         | 100         | Vertical | Pass    |
| 3   | 4357.500        | 48.00            | -6.61       | 74.0           | 26.00       | Peak     | 95.00          | 200         | Vertical | Pass    |
| 3** | 4357.500        | 38.90            | -6.61       | 54.0           | 15.10       | AV       | 95.00          | 200         | Vertical | Pass    |
| 4   | 5261.750        | 96.61            | -5.21       | --             | --          | Peak     | 354.00         | 100         | Vertical | N/A     |
| 4** | 5261.750        | 89.64            | -5.21       | --             | --          | AV       | 354.00         | 100         | Vertical | N/A     |
| 5   | 7542.000        | 54.51            | -0.25       | 74.0           | 19.49       | Peak     | 86.00          | 200         | Vertical | Pass    |
| 5** | 7542.000        | 45.80            | -0.25       | 54.0           | 8.20        | AV       | 86.00          | 200         | Vertical | Pass    |
| 6   | 12457.875       | 53.06            | 0.83        | 74.0           | 20.94       | Peak     | 238.00         | 200         | Vertical | Pass    |
| 6** | 12457.875       | 43.77            | 0.83        | 54.0           | 10.23       | AV       | 238.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1533.300        | 37.04            | -19.69      | 74.0           | 36.96       | Peak     | 237.00         | 200         | Horizontal | Pass    |
| 1** | 1533.300        | 27.50            | -19.69      | 54.0           | 26.50       | AV       | 237.00         | 200         | Horizontal | Pass    |
| 2   | 2838.000        | 43.21            | -12.54      | 74.0           | 30.79       | Peak     | 118.00         | 100         | Horizontal | Pass    |
| 2** | 2838.000        | 33.75            | -12.54      | 54.0           | 20.25       | AV       | 118.00         | 100         | Horizontal | Pass    |
| 3   | 4325.750        | 48.22            | -5.94       | 74.0           | 25.78       | Peak     | 313.00         | 100         | Horizontal | Pass    |
| 3** | 4325.750        | 38.25            | -5.94       | 54.0           | 15.75       | AV       | 313.00         | 100         | Horizontal | Pass    |
| 4   | 5302.250        | 104.91           | -5.64       | --             | --          | Peak     | 94.00          | 200         | Horizontal | N/A     |
| 4** | 5302.250        | 97.55            | -5.64       | --             | --          | AV       | 94.00          | 200         | Horizontal | N/A     |
| 5   | 7484.500        | 55.00            | -0.49       | 74.0           | 19.00       | Peak     | 321.00         | 100         | Horizontal | Pass    |
| 5** | 7484.500        | 45.94            | -0.49       | 54.0           | 8.06        | AV       | 321.00         | 100         | Horizontal | Pass    |
| 6   | 12573.300       | 53.13            | 1.40        | 74.0           | 20.87       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 12573.300       | 43.48            | 1.40        | 54.0           | 10.52       | AV       | 360.00         | 200         | 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   | 1540.100        | 36.83            | -19.85      | 74.0           | 37.17       | Peak     | 136.00         | 200         | Vertical | Pass    |
| 1** | 1540.100        | 27.26            | -19.85      | 54.0           | 26.74       | AV       | 136.00         | 200         | Vertical | Pass    |
| 2   | 2887.300        | 43.06            | -12.14      | 74.0           | 30.94       | Peak     | 50.00          | 200         | Vertical | Pass    |
| 2** | 2887.300        | 34.21            | -12.14      | 54.0           | 19.79       | AV       | 50.00          | 200         | Vertical | Pass    |
| 3   | 4354.500        | 48.91            | -6.61       | 74.0           | 25.09       | Peak     | 328.00         | 100         | Vertical | Pass    |
| 3** | 4354.500        | 37.89            | -6.61       | 54.0           | 16.11       | AV       | 328.00         | 100         | Vertical | Pass    |
| 4   | 5298.250        | 97.83            | -5.55       | --             | --          | Peak     | 360.00         | 200         | Vertical | N/A     |
| 4** | 5298.250        | 91.11            | -5.55       | --             | --          | AV       | 360.00         | 200         | Vertical | N/A     |
| 5   | 7493.500        | 55.06            | -0.42       | 74.0           | 18.94       | Peak     | 118.00         | 100         | Vertical | Pass    |
| 5** | 7493.500        | 45.12            | -0.42       | 54.0           | 8.88        | AV       | 118.00         | 100         | Vertical | Pass    |
| 6   | 12425.813       | 53.22            | 0.61        | 74.0           | 20.78       | Peak     | 286.00         | 200         | Vertical | Pass    |
| 6** | 12425.813       | 44.33            | 0.61        | 54.0           | 9.67        | AV       | 286.00         | 200         | 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   | 1534.100        | 37.13            | -19.68      | 74.0           | 36.87       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1534.100        | 27.76            | -19.68      | 54.0           | 26.24       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 2855.000        | 43.97            | -12.31      | 74.0           | 30.03       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 2** | 2855.000        | 34.04            | -12.31      | 54.0           | 19.96       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 3   | 4353.750        | 47.47            | -6.60       | 74.0           | 26.53       | Peak     | 322.00         | 100         | Horizontal | Pass    |
| 3** | 4353.750        | 38.34            | -6.60       | 54.0           | 15.66       | AV       | 322.00         | 100         | Horizontal | Pass    |
| 4   | 5318.250        | 105.05           | -5.69       | --             | --          | Peak     | 87.00          | 200         | Horizontal | N/A     |
| 4** | 5318.250        | 97.40            | -5.69       | --             | --          | AV       | 87.00          | 200         | Horizontal | N/A     |
| 5   | 7494.000        | 54.54            | -0.41       | 74.0           | 19.46       | Peak     | 339.00         | 300         | Horizontal | Pass    |
| 5** | 7494.000        | 45.13            | -0.41       | 54.0           | 8.87        | AV       | 339.00         | 300         | Horizontal | Pass    |
| 6   | 12579.237       | 53.38            | 1.34        | 74.0           | 20.62       | Peak     | 27.00          | 300         | Horizontal | Pass    |
| 6** | 12579.237       | 43.98            | 1.34        | 54.0           | 10.02       | AV       | 27.00          | 300         | 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   | 1557.900        | 37.04            | -19.92      | 74.0           | 36.96       | Peak     | 158.00         | 200         | Vertical | Pass    |
| 1** | 1557.900        | 27.60            | -19.92      | 54.0           | 26.40       | AV       | 158.00         | 200         | Vertical | Pass    |
| 2   | 2736.800        | 43.63            | -11.94      | 74.0           | 30.37       | Peak     | 309.00         | 200         | Vertical | Pass    |
| 2** | 2736.800        | 34.28            | -11.94      | 54.0           | 19.72       | AV       | 309.00         | 200         | Vertical | Pass    |
| 3   | 4349.750        | 47.25            | -6.60       | 74.0           | 26.75       | Peak     | 158.00         | 200         | Vertical | Pass    |
| 3** | 4349.750        | 38.49            | -6.60       | 54.0           | 15.51       | AV       | 158.00         | 200         | Vertical | Pass    |
| 4   | 5318.750        | 97.67            | -5.68       | --             | --          | Peak     | 6.00           | 100         | Vertical | N/A     |
| 4** | 5318.750        | 90.81            | -5.68       | --             | --          | AV       | 6.00           | 100         | Vertical | N/A     |
| 5   | 7533.500        | 54.15            | -0.47       | 74.0           | 19.85       | Peak     | 263.00         | 200         | Vertical | Pass    |
| 5** | 7533.500        | 44.39            | -0.47       | 54.0           | 9.61        | AV       | 263.00         | 200         | Vertical | Pass    |
| 6   | 12575.438       | 53.24            | 1.38        | 74.0           | 20.76       | Peak     | 96.00          | 100         | Vertical | Pass    |
| 6** | 12575.438       | 43.59            | 1.38        | 54.0           | 10.41       | AV       | 96.00          | 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   | 1528.900        | 36.97            | -19.65      | 74.0           | 37.03       | Peak     | 59.00          | 200         | Horizontal | Pass    |
| 1** | 1528.900        | 27.32            | -19.65      | 54.0           | 26.68       | AV       | 59.00          | 200         | Horizontal | Pass    |
| 2   | 2856.100        | 43.50            | -12.34      | 74.0           | 30.50       | Peak     | 231.00         | 200         | Horizontal | Pass    |
| 2** | 2856.100        | 34.61            | -12.34      | 54.0           | 19.39       | AV       | 231.00         | 200         | Horizontal | Pass    |
| 3   | 4343.500        | 48.05            | -6.25       | 74.0           | 25.95       | Peak     | 98.00          | 300         | Horizontal | Pass    |
| 3** | 4343.500        | 38.67            | -6.25       | 54.0           | 15.33       | AV       | 98.00          | 300         | Horizontal | Pass    |
| 4   | 5272.000        | 101.79           | -5.00       | --             | --          | Peak     | 81.00          | 100         | Horizontal | N/A     |
| 4** | 5272.000        | 94.67            | -5.00       | --             | --          | AV       | 81.00          | 100         | Horizontal | N/A     |
| 5   | 7497.250        | 54.02            | -0.59       | 74.0           | 19.98       | Peak     | 223.00         | 100         | Horizontal | Pass    |
| 5** | 7497.250        | 45.79            | -0.59       | 54.0           | 8.21        | AV       | 223.00         | 100         | Horizontal | Pass    |
| 6   | 12580.901       | 52.98            | 1.33        | 74.0           | 21.02       | Peak     | 165.00         | 300         | Horizontal | Pass    |
| 6** | 12580.901       | 43.94            | 1.33        | 54.0           | 10.06       | AV       | 165.00         | 300         | 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   | 1520.600        | 37.44            | -19.58      | 74.0           | 36.56       | Peak     | 2.00           | 300         | Vertical | Pass    |
| 1** | 1520.600        | 27.60            | -19.58      | 54.0           | 26.40       | AV       | 2.00           | 300         | Vertical | Pass    |
| 2   | 2858.100        | 43.36            | -12.34      | 74.0           | 30.64       | Peak     | 175.00         | 200         | Vertical | Pass    |
| 2** | 2858.100        | 33.98            | -12.34      | 54.0           | 20.02       | AV       | 175.00         | 200         | Vertical | Pass    |
| 3   | 4355.500        | 47.62            | -6.63       | 74.0           | 26.38       | Peak     | 220.00         | 200         | Vertical | Pass    |
| 3** | 4355.500        | 37.99            | -6.63       | 54.0           | 16.01       | AV       | 220.00         | 200         | Vertical | Pass    |
| 4   | 5268.000        | 93.89            | -5.12       | --             | --          | Peak     | 10.00          | 400         | Vertical | N/A     |
| 4** | 5268.000        | 85.91            | -5.12       | --             | --          | AV       | 10.00          | 400         | Vertical | N/A     |
| 5   | 7500.250        | 55.00            | -0.75       | 74.0           | 19.00       | Peak     | 187.00         | 300         | Vertical | Pass    |
| 5** | 7500.250        | 45.80            | -0.75       | 54.0           | 8.20        | AV       | 187.00         | 300         | Vertical | Pass    |
| 6   | 12605.600       | 52.82            | 1.10        | 74.0           | 21.18       | Peak     | 97.00          | 400         | Vertical | Pass    |
| 6** | 12605.600       | 43.97            | 1.10        | 54.0           | 10.03       | AV       | 97.00          | 400         | 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   | 1517.100        | 37.03            | -19.57      | 74.0           | 36.97       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 1** | 1517.100        | 28.08            | -19.57      | 54.0           | 25.92       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 2   | 2731.800        | 43.38            | -11.60      | 74.0           | 30.62       | Peak     | 238.00         | 400         | Horizontal | Pass    |
| 2** | 2731.800        | 33.59            | -11.60      | 54.0           | 20.41       | AV       | 238.00         | 400         | Horizontal | Pass    |
| 3   | 4366.500        | 48.25            | -6.79       | 74.0           | 25.75       | Peak     | 344.00         | 200         | Horizontal | Pass    |
| 3** | 4366.500        | 37.92            | -6.79       | 54.0           | 16.08       | AV       | 344.00         | 200         | Horizontal | Pass    |
| 4   | 5308.000        | 101.55           | -5.68       | --             | --          | Peak     | 80.00          | 300         | Horizontal | N/A     |
| 4** | 5308.000        | 93.69            | -5.68       | --             | --          | AV       | 80.00          | 300         | Horizontal | N/A     |
| 5   | 7499.000        | 54.74            | -0.70       | 74.0           | 19.26       | Peak     | 113.00         | 100         | Horizontal | Pass    |
| 5** | 7499.000        | 45.40            | -0.70       | 54.0           | 8.60        | AV       | 113.00         | 100         | Horizontal | Pass    |
| 6   | 12541.950       | 52.67            | 1.43        | 74.0           | 21.33       | Peak     | 304.00         | 300         | Horizontal | Pass    |
| 6** | 12541.950       | 43.77            | 1.43        | 54.0           | 10.23       | AV       | 304.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1483.000        | 37.05            | -19.61      | 74.0           | 36.95       | Peak     | 307.00         | 100         | Vertical | Pass    |
| 1** | 1483.000        | 28.37            | -19.61      | 54.0           | 25.63       | AV       | 307.00         | 100         | Vertical | Pass    |
| 2   | 2829.600        | 43.33            | -12.56      | 74.0           | 30.67       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 2** | 2829.600        | 33.59            | -12.56      | 54.0           | 20.41       | AV       | 360.00         | 300         | Vertical | Pass    |
| 3   | 4343.250        | 47.22            | -6.26       | 74.0           | 26.78       | Peak     | 137.00         | 100         | Vertical | Pass    |
| 3** | 4343.250        | 39.02            | -6.26       | 54.0           | 14.98       | AV       | 137.00         | 100         | Vertical | Pass    |
| 4   | 5312.500        | 94.51            | -5.70       | --             | --          | Peak     | 3.00           | 200         | Vertical | N/A     |
| 4** | 5312.500        | 85.99            | -5.70       | --             | --          | AV       | 3.00           | 200         | Vertical | N/A     |
| 5   | 7495.500        | 54.63            | -0.45       | 74.0           | 19.37       | Peak     | 288.00         | 200         | Vertical | Pass    |
| 5** | 7495.500        | 46.23            | -0.45       | 54.0           | 7.77        | AV       | 288.00         | 200         | Vertical | Pass    |
| 6   | 12614.862       | 53.21            | 1.02        | 74.0           | 20.79       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 6** | 12614.862       | 43.46            | 1.02        | 54.0           | 10.54       | AV       | 360.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1459.900        | 36.58            | -19.70      | 74.0           | 37.42       | Peak     | 172.00         | 200         | Horizontal | Pass    |
| 1** | 1459.900        | 27.71            | -19.70      | 54.0           | 26.29       | AV       | 172.00         | 200         | Horizontal | Pass    |
| 2   | 2736.600        | 42.95            | -11.93      | 74.0           | 31.05       | Peak     | 10.00          | 300         | Horizontal | Pass    |
| 2** | 2736.600        | 33.97            | -11.93      | 54.0           | 20.03       | AV       | 10.00          | 300         | Horizontal | Pass    |
| 3   | 4356.750        | 47.41            | -6.63       | 74.0           | 26.59       | Peak     | 98.00          | 100         | Horizontal | Pass    |
| 3** | 4356.750        | 38.69            | -6.63       | 54.0           | 15.31       | AV       | 98.00          | 100         | Horizontal | Pass    |
| 4   | 5298.250        | 97.21            | -5.55       | --             | --          | Peak     | 81.00          | 200         | Horizontal | N/A     |
| 4** | 5298.250        | 88.77            | -5.55       | --             | --          | AV       | 81.00          | 200         | Horizontal | N/A     |
| 5   | 7493.750        | 53.98            | -0.42       | 74.0           | 20.02       | Peak     | 114.00         | 300         | Horizontal | Pass    |
| 5** | 7493.750        | 45.20            | -0.42       | 54.0           | 8.80        | AV       | 114.00         | 300         | Horizontal | Pass    |
| 6   | 12574.012       | 52.52            | 1.39        | 74.0           | 21.48       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 6** | 12574.012       | 43.73            | 1.39        | 54.0           | 10.27       | AV       | 360.00         | 100         | 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   | 1522.800        | 38.02            | -19.60      | 74.0           | 35.98       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 1** | 1522.800        | 27.39            | -19.60      | 54.0           | 26.61       | AV       | 360.00         | 200         | Vertical | Pass    |
| 2   | 2870.200        | 42.98            | -12.41      | 74.0           | 31.02       | Peak     | 345.00         | 100         | Vertical | Pass    |
| 2** | 2870.200        | 33.87            | -12.41      | 54.0           | 20.13       | AV       | 345.00         | 100         | Vertical | Pass    |
| 3   | 4338.250        | 47.65            | -6.16       | 74.0           | 26.35       | Peak     | 231.00         | 200         | Vertical | Pass    |
| 3** | 4338.250        | 39.44            | -6.16       | 54.0           | 14.56       | AV       | 231.00         | 200         | Vertical | Pass    |
| 4   | 5301.500        | 89.49            | -5.66       | --             | --          | Peak     | 360.00         | 100         | Vertical | N/A     |
| 4** | 5301.500        | 80.77            | -5.66       | --             | --          | AV       | 360.00         | 100         | Vertical | N/A     |
| 5   | 7545.500        | 54.98            | -0.53       | 74.0           | 19.02       | Peak     | 189.00         | 100         | Vertical | Pass    |
| 5** | 7545.500        | 45.42            | -0.53       | 54.0           | 8.58        | AV       | 189.00         | 100         | Vertical | Pass    |
| 6   | 12584.937       | 52.96            | 1.29        | 74.0           | 21.04       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 6** | 12584.937       | 43.43            | 1.29        | 54.0           | 10.57       | AV       | 360.00         | 100         | 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   | 1596.000        | 37.29            | -19.93      | 74.0           | 36.71       | Peak     | 192.00         | 200         | Horizontal | Pass    |
| 1** | 1596.000        | 26.68            | -19.93      | 54.0           | 27.32       | AV       | 192.00         | 200         | Horizontal | Pass    |
| 2   | 2848.100        | 42.60            | -12.21      | 74.0           | 31.40       | Peak     | 24.00          | 400         | Horizontal | Pass    |
| 2** | 2848.100        | 32.95            | -12.21      | 54.0           | 21.05       | AV       | 24.00          | 400         | Horizontal | Pass    |
| 3   | 4337.000        | 46.65            | -6.08       | 74.0           | 27.35       | Peak     | 138.00         | 300         | Horizontal | Pass    |
| 3** | 4337.000        | 37.44            | -6.08       | 54.0           | 16.56       | AV       | 138.00         | 300         | Horizontal | Pass    |
| 4   | 5501.500        | 105.59           | -4.82       | --             | --          | Peak     | 81.00          | 300         | Horizontal | N/A     |
| 4** | 5501.500        | 98.66            | -4.82       | --             | --          | AV       | 81.00          | 300         | Horizontal | N/A     |
| 5   | 7495.500        | 52.78            | -0.45       | 74.0           | 21.22       | Peak     | 38.00          | 100         | Horizontal | Pass    |
| 5** | 7495.500        | 44.35            | -0.45       | 54.0           | 9.65        | AV       | 38.00          | 100         | Horizontal | Pass    |
| 6   | 12568.313       | 52.81            | 1.44        | 74.0           | 21.19       | Peak     | 264.00         | 200         | Horizontal | Pass    |
| 6** | 12568.313       | 42.61            | 1.44        | 54.0           | 11.39       | AV       | 264.00         | 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   | 1497.800        | 36.58            | -19.53      | 74.0           | 37.42       | Peak     | 97.00          | 200         | Vertical | Pass    |
| 1** | 1497.800        | 27.25            | -19.53      | 54.0           | 26.75       | AV       | 97.00          | 200         | Vertical | Pass    |
| 2   | 2839.000        | 43.01            | -12.53      | 74.0           | 30.99       | Peak     | 341.00         | 400         | Vertical | Pass    |
| 2** | 2839.000        | 33.02            | -12.53      | 54.0           | 20.98       | AV       | 341.00         | 400         | Vertical | Pass    |
| 3   | 4359.000        | 46.73            | -6.62       | 74.0           | 27.27       | Peak     | 141.00         | 100         | Vertical | Pass    |
| 3** | 4359.000        | 38.12            | -6.62       | 54.0           | 15.88       | AV       | 141.00         | 100         | Vertical | Pass    |
| 4   | 5499.500        | 99.01            | -4.75       | --             | --          | Peak     | 360.00         | 300         | Vertical | N/A     |
| 4** | 5499.500        | 91.55            | -4.75       | --             | --          | AV       | 360.00         | 300         | Vertical | N/A     |
| 5   | 7487.750        | 52.72            | -0.35       | 74.0           | 21.28       | Peak     | 232.00         | 400         | Vertical | Pass    |
| 5** | 7487.750        | 44.81            | -0.35       | 54.0           | 9.19        | AV       | 232.00         | 400         | Vertical | Pass    |
| 6   | 12602.750       | 52.61            | 1.13        | 74.0           | 21.39       | Peak     | 142.00         | 300         | Vertical | Pass    |
| 6** | 12602.750       | 43.58            | 1.13        | 54.0           | 10.42       | AV       | 142.00         | 300         | 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   | 1525.800        | 36.31            | -19.59      | 74.0           | 37.69       | Peak     | 161.00         | 200         | Horizontal | Pass    |
| 1** | 1525.800        | 26.44            | -19.59      | 54.0           | 27.56       | AV       | 161.00         | 200         | Horizontal | Pass    |
| 2   | 2859.500        | 42.20            | -12.35      | 74.0           | 31.80       | Peak     | 37.00          | 200         | Horizontal | Pass    |
| 2** | 2859.500        | 32.99            | -12.35      | 54.0           | 21.01       | AV       | 37.00          | 200         | Horizontal | Pass    |
| 3   | 4341.500        | 47.01            | -6.32       | 74.0           | 26.99       | Peak     | 68.00          | 100         | Horizontal | Pass    |
| 3** | 4341.500        | 37.97            | -6.32       | 54.0           | 16.03       | AV       | 68.00          | 100         | Horizontal | Pass    |
| 4   | 5581.750        | 105.15           | -5.22       | --             | --          | Peak     | 93.00          | 300         | Horizontal | N/A     |
| 4** | 5581.750        | 97.39            | -5.22       | --             | --          | AV       | 93.00          | 300         | Horizontal | N/A     |
| 5   | 7506.500        | 53.15            | -1.12       | 74.0           | 20.85       | Peak     | 318.00         | 100         | Horizontal | Pass    |
| 5** | 7506.500        | 43.79            | -1.12       | 54.0           | 10.21       | AV       | 318.00         | 100         | Horizontal | Pass    |
| 6   | 12359.788       | 52.95            | 0.65        | 74.0           | 21.05       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 6** | 12359.788       | 44.16            | 0.65        | 54.0           | 9.84        | AV       | 360.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1504.100        | 36.53            | -19.56      | 74.0           | 37.47       | Peak     | 57.00          | 100         | Vertical | Pass    |
| 1** | 1504.100        | 27.90            | -19.56      | 54.0           | 26.10       | AV       | 57.00          | 100         | Vertical | Pass    |
| 2   | 2839.400        | 41.93            | -12.51      | 74.0           | 32.07       | Peak     | 107.00         | 200         | Vertical | Pass    |
| 2** | 2839.400        | 32.78            | -12.51      | 54.0           | 21.22       | AV       | 107.00         | 200         | Vertical | Pass    |
| 3   | 4364.250        | 46.42            | -6.72       | 74.0           | 27.58       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 3** | 4364.250        | 37.77            | -6.72       | 54.0           | 16.23       | AV       | 360.00         | 400         | Vertical | Pass    |
| 4   | 5581.000        | 97.99            | -5.25       | --             | --          | Peak     | 52.00          | 400         | Vertical | N/A     |
| 4** | 5581.000        | 90.73            | -5.25       | --             | --          | AV       | 52.00          | 400         | Vertical | N/A     |
| 5   | 7533.250        | 53.13            | -0.48       | 74.0           | 20.87       | Peak     | 288.00         | 100         | Vertical | Pass    |
| 5** | 7533.250        | 44.84            | -0.48       | 54.0           | 9.16        | AV       | 288.00         | 100         | Vertical | Pass    |
| 6   | 12364.537       | 52.75            | 0.61        | 74.0           | 21.25       | Peak     | 79.00          | 100         | Vertical | Pass    |
| 6** | 12364.537       | 44.04            | 0.61        | 54.0           | 9.96        | AV       | 79.00          | 100         | Vertical | Pass    |



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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1541.500        | 36.78            | -19.80      | 74.0           | 37.22       | Peak     | 3.00           | 300         | Horizontal | Pass    |
| 1** | 1541.500        | 27.19            | -19.80      | 54.0           | 26.81       | AV       | 3.00           | 300         | Horizontal | Pass    |
| 2   | 2733.000        | 42.34            | -11.65      | 74.0           | 31.66       | Peak     | 281.00         | 300         | Horizontal | Pass    |
| 2** | 2733.000        | 33.34            | -11.65      | 54.0           | 20.66       | AV       | 281.00         | 300         | Horizontal | Pass    |
| 3   | 4337.250        | 47.20            | -6.09       | 74.0           | 26.80       | Peak     | 221.00         | 100         | Horizontal | Pass    |
| 3** | 4337.250        | 37.94            | -6.09       | 54.0           | 16.06       | AV       | 221.00         | 100         | Horizontal | Pass    |
| 4   | 5701.500        | 103.79           | -5.25       | --             | --          | Peak     | 97.00          | 100         | Horizontal | N/A     |
| 4** | 5701.500        | 97.01            | -5.25       | --             | --          | AV       | 97.00          | 100         | Horizontal | N/A     |
| 5   | 7488.250        | 53.17            | -0.34       | 74.0           | 20.83       | Peak     | 163.00         | 300         | Horizontal | Pass    |
| 5** | 7488.250        | 44.53            | -0.34       | 54.0           | 9.47        | AV       | 163.00         | 300         | Horizontal | Pass    |
| 6   | 12614.150       | 52.95            | 1.03        | 74.0           | 21.05       | Peak     | 132.00         | 200         | Horizontal | Pass    |
| 6** | 12614.150       | 43.47            | 1.03        | 54.0           | 10.53       | AV       | 132.00         | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1570.000        | 36.26            | -19.94      | 74.0           | 37.74       | Peak     | 103.00         | 100         | Vertical | Pass    |
| 1** | 1570.000        | 27.39            | -19.94      | 54.0           | 26.61       | AV       | 103.00         | 100         | Vertical | Pass    |
| 2   | 2876.400        | 42.35            | -12.38      | 74.0           | 31.65       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 2** | 2876.400        | 32.35            | -12.38      | 54.0           | 21.65       | AV       | 360.00         | 200         | Vertical | Pass    |
| 3   | 4138.500        | 46.17            | -7.34       | 74.0           | 27.83       | Peak     | 214.00         | 400         | Vertical | Pass    |
| 3** | 4138.500        | 36.35            | -7.34       | 54.0           | 17.65       | AV       | 214.00         | 400         | Vertical | Pass    |
| 4   | 5701.500        | 97.67            | -5.25       | --             | --          | Peak     | 305.00         | 400         | Vertical | N/A     |
| 4** | 5701.500        | 90.18            | -5.25       | --             | --          | AV       | 305.00         | 400         | Vertical | N/A     |
| 5   | 7485.250        | 53.16            | -0.45       | 74.0           | 20.84       | Peak     | 239.00         | 100         | Vertical | Pass    |
| 5** | 7485.250        | 44.71            | -0.45       | 54.0           | 9.29        | AV       | 239.00         | 100         | Vertical | Pass    |
| 6   | 12578.525       | 52.61            | 1.35        | 74.0           | 21.39       | Peak     | 246.00         | 100         | Vertical | Pass    |
| 6** | 12578.525       | 43.61            | 1.35        | 54.0           | 10.39       | AV       | 246.00         | 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   | 1472.000        | 36.71            | -19.74      | 74.0           | 37.29       | Peak     | 350.00         | 400         | Horizontal | Pass    |
| 1** | 1472.000        | 26.76            | -19.74      | 54.0           | 27.24       | AV       | 350.00         | 400         | Horizontal | Pass    |
| 2   | 2821.900        | 42.44            | -12.77      | 74.0           | 31.56       | Peak     | 19.00          | 100         | Horizontal | Pass    |
| 2** | 2821.900        | 32.90            | -12.77      | 54.0           | 21.10       | AV       | 19.00          | 100         | Horizontal | Pass    |
| 3   | 4353.500        | 47.25            | -6.60       | 74.0           | 26.75       | Peak     | 79.00          | 300         | Horizontal | Pass    |
| 3** | 4353.500        | 37.82            | -6.60       | 54.0           | 16.18       | AV       | 79.00          | 300         | Horizontal | Pass    |
| 4   | 5499.000        | 104.65           | -4.77       | --             | --          | Peak     | 69.00          | 200         | Horizontal | N/A     |
| 4** | 5499.000        | 98.11            | -4.77       | --             | --          | AV       | 69.00          | 200         | Horizontal | N/A     |
| 5   | 7587.250        | 54.61            | -1.03       | 74.0           | 19.39       | Peak     | 107.00         | 200         | Horizontal | Pass    |
| 5** | 7587.250        | 44.09            | -1.03       | 54.0           | 9.91        | AV       | 107.00         | 200         | Horizontal | Pass    |
| 6   | 12606.788       | 52.98            | 1.09        | 74.0           | 21.02       | Peak     | 284.00         | 400         | Horizontal | Pass    |
| 6** | 12606.788       | 43.69            | 1.09        | 54.0           | 10.31       | AV       | 284.00         | 400         | 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   | 1496.500        | 36.10            | -19.51      | 74.0           | 37.90       | Peak     | 224.00         | 200         | Vertical | Pass    |
| 1** | 1496.500        | 27.09            | -19.51      | 54.0           | 26.91       | AV       | 224.00         | 200         | Vertical | Pass    |
| 2   | 2809.500        | 42.54            | -13.09      | 74.0           | 31.46       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 2** | 2809.500        | 33.07            | -13.09      | 54.0           | 20.93       | AV       | 360.00         | 400         | Vertical | Pass    |
| 3   | 4369.000        | 46.96            | -6.88       | 74.0           | 27.04       | Peak     | 231.00         | 300         | Vertical | Pass    |
| 3** | 4369.000        | 37.37            | -6.88       | 54.0           | 16.63       | AV       | 231.00         | 300         | Vertical | Pass    |
| 4   | 5501.250        | 98.04            | -4.82       | --             | --          | Peak     | 346.00         | 300         | Vertical | N/A     |
| 4** | 5501.250        | 91.07            | -4.82       | --             | --          | AV       | 346.00         | 300         | Vertical | N/A     |
| 5   | 7537.250        | 53.51            | -0.26       | 74.0           | 20.49       | Peak     | 91.00          | 100         | Vertical | Pass    |
| 5** | 7537.250        | 43.21            | -0.26       | 54.0           | 10.79       | AV       | 91.00          | 100         | Vertical | Pass    |
| 6   | 12563.800       | 52.46            | 1.48        | 74.0           | 21.54       | Peak     | 124.00         | 200         | Vertical | Pass    |
| 6** | 12563.800       | 42.59            | 1.48        | 54.0           | 11.41       | AV       | 124.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1588.600        | 36.37            | -19.96      | 74.0           | 37.63       | Peak     | 10.00          | 300         | Horizontal | Pass    |
| 1** | 1588.600        | 26.74            | -19.96      | 54.0           | 27.26       | AV       | 10.00          | 300         | Horizontal | Pass    |
| 2   | 2859.100        | 43.15            | -12.35      | 74.0           | 30.85       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 2** | 2859.100        | 33.77            | -12.35      | 54.0           | 20.23       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 3   | 4327.000        | 46.83            | -5.94       | 74.0           | 27.17       | Peak     | 73.00          | 100         | Horizontal | Pass    |
| 3** | 4327.000        | 37.33            | -5.94       | 54.0           | 16.67       | AV       | 73.00          | 100         | Horizontal | Pass    |
| 4   | 5578.500        | 104.35           | -5.24       | --             | --          | Peak     | 90.00          | 100         | Horizontal | N/A     |
| 4** | 5578.500        | 97.40            | -5.24       | --             | --          | AV       | 90.00          | 100         | Horizontal | N/A     |
| 5   | 7498.250        | 53.12            | -0.65       | 74.0           | 20.88       | Peak     | 354.00         | 300         | Horizontal | Pass    |
| 5** | 7498.250        | 44.94            | -0.65       | 54.0           | 9.06        | AV       | 354.00         | 300         | Horizontal | Pass    |
| 6   | 12550.737       | 52.60            | 1.60        | 74.0           | 21.40       | Peak     | 238.00         | 200         | Horizontal | Pass    |
| 6** | 12550.737       | 43.38            | 1.60        | 54.0           | 10.62       | AV       | 238.00         | 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   | 1587.300        | 36.37            | -19.92      | 74.0           | 37.63       | Peak     | 4.00           | 100         | Vertical | Pass    |
| 1** | 1587.300        | 26.46            | -19.92      | 54.0           | 27.54       | AV       | 4.00           | 100         | Vertical | Pass    |
| 2   | 2707.500        | 42.25            | -12.86      | 74.0           | 31.75       | Peak     | 243.00         | 300         | Vertical | Pass    |
| 2** | 2707.500        | 32.36            | -12.86      | 54.0           | 21.64       | AV       | 243.00         | 300         | Vertical | Pass    |
| 3   | 4323.000        | 46.64            | -5.92       | 74.0           | 27.36       | Peak     | 163.00         | 150         | Vertical | Pass    |
| 3** | 4323.000        | 38.31            | -5.92       | 54.0           | 15.69       | AV       | 163.00         | 150         | Vertical | Pass    |
| 4   | 5580.750        | 96.70            | -5.25       | --             | --          | Peak     | 1.00           | 300         | Vertical | N/A     |
| 4** | 5580.750        | 89.40            | -5.25       | --             | --          | AV       | 1.00           | 300         | Vertical | N/A     |
| 5   | 7704.750        | 53.13            | -1.46       | 74.0           | 20.87       | Peak     | 27.00          | 100         | Vertical | Pass    |
| 5** | 7704.750        | 44.02            | -1.46       | 54.0           | 9.98        | AV       | 27.00          | 100         | Vertical | Pass    |
| 6   | 12275.474       | 52.64            | 0.51        | 74.0           | 21.36       | Peak     | 14.00          | 300         | Vertical | Pass    |
| 6** | 12275.474       | 42.86            | 0.51        | 54.0           | 11.14       | AV       | 14.00          | 300         | 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   | 1585.300        | 36.36            | -19.98      | 74.0           | 37.64       | Peak     | 354.00         | 100         | Horizontal | Pass    |
| 1** | 1585.300        | 26.60            | -19.98      | 54.0           | 27.40       | AV       | 354.00         | 100         | Horizontal | Pass    |
| 2   | 2732.000        | 42.33            | -11.61      | 74.0           | 31.67       | Peak     | 223.00         | 100         | Horizontal | Pass    |
| 2** | 2732.000        | 31.86            | -11.61      | 54.0           | 22.14       | AV       | 223.00         | 100         | Horizontal | Pass    |
| 3   | 4339.750        | 47.11            | -6.25       | 74.0           | 26.89       | Peak     | 22.00          | 400         | Horizontal | Pass    |
| 3** | 4339.750        | 38.11            | -6.25       | 54.0           | 15.89       | AV       | 22.00          | 400         | Horizontal | Pass    |
| 4   | 5698.250        | 103.53           | -5.18       | --             | --          | Peak     | 163.00         | 400         | Horizontal | N/A     |
| 4** | 5698.250        | 95.88            | -5.18       | --             | --          | AV       | 163.00         | 400         | Horizontal | N/A     |
| 5   | 7505.500        | 52.83            | -1.04       | 74.0           | 21.17       | Peak     | 188.00         | 300         | Horizontal | Pass    |
| 5** | 7505.500        | 44.72            | -1.04       | 54.0           | 9.28        | AV       | 188.00         | 300         | Horizontal | Pass    |
| 6   | 12578.050       | 52.64            | 1.35        | 74.0           | 21.36       | Peak     | 12.00          | 100         | Horizontal | Pass    |
| 6** | 12578.050       | 44.15            | 1.35        | 54.0           | 9.85        | AV       | 12.00          | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1520.500        | 36.82            | -19.59      | 74.0           | 37.18       | Peak     | 210.00         | 200         | Vertical | Pass    |
| 1** | 1520.500        | 26.95            | -19.59      | 54.0           | 27.05       | AV       | 210.00         | 200         | Vertical | Pass    |
| 2   | 2859.700        | 42.43            | -12.36      | 74.0           | 31.57       | Peak     | 255.00         | 400         | Vertical | Pass    |
| 2** | 2859.700        | 32.68            | -12.36      | 54.0           | 21.32       | AV       | 255.00         | 400         | Vertical | Pass    |
| 3   | 4134.000        | 46.58            | -7.32       | 74.0           | 27.42       | Peak     | 283.00         | 300         | Vertical | Pass    |
| 3** | 4134.000        | 36.55            | -7.32       | 54.0           | 17.45       | AV       | 283.00         | 300         | Vertical | Pass    |
| 4   | 5701.250        | 97.23            | -5.24       | --             | --          | Peak     | 310.00         | 300         | Vertical | N/A     |
| 4** | 5701.250        | 89.29            | -5.24       | --             | --          | AV       | 310.00         | 300         | Vertical | N/A     |
| 5   | 7490.500        | 53.44            | -0.32       | 74.0           | 20.56       | Peak     | 77.00          | 100         | Vertical | Pass    |
| 5** | 7490.500        | 43.95            | -0.32       | 54.0           | 10.05       | AV       | 77.00          | 100         | Vertical | Pass    |
| 6   | 12455.026       | 52.51            | 0.85        | 74.0           | 21.49       | Peak     | 27.00          | 200         | Vertical | Pass    |
| 6** | 12455.026       | 43.02            | 0.85        | 54.0           | 10.98       | AV       | 27.00          | 200         | 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   | 1529.600        | 36.07            | -19.68      | 74.0           | 37.93       | Peak     | 262.00         | 200         | Horizontal | Pass    |
| 1** | 1529.600        | 26.78            | -19.68      | 54.0           | 27.22       | AV       | 262.00         | 200         | Horizontal | Pass    |
| 2   | 2872.400        | 42.33            | -12.44      | 74.0           | 31.67       | Peak     | 262.00         | 200         | Horizontal | Pass    |
| 2** | 2872.400        | 33.31            | -12.44      | 54.0           | 20.69       | AV       | 262.00         | 200         | Horizontal | Pass    |
| 3   | 4332.750        | 46.34            | -6.09       | 74.0           | 27.66       | Peak     | 16.00          | 100         | Horizontal | Pass    |
| 3** | 4332.750        | 37.75            | -6.09       | 54.0           | 16.25       | AV       | 16.00          | 100         | Horizontal | Pass    |
| 4   | 5508.000        | 99.87            | -5.06       | --             | --          | Peak     | 82.00          | 300         | Horizontal | N/A     |
| 4** | 5508.000        | 92.62            | -5.06       | --             | --          | AV       | 82.00          | 300         | Horizontal | N/A     |
| 5   | 7363.750        | 52.92            | -2.04       | 74.0           | 21.08       | Peak     | 7.00           | 100         | Horizontal | Pass    |
| 5** | 7363.750        | 43.23            | -2.04       | 54.0           | 10.77       | AV       | 7.00           | 100         | Horizontal | Pass    |
| 6   | 12639.088       | 53.00            | 0.82        | 74.0           | 21.00       | Peak     | 320.00         | 300         | Horizontal | Pass    |
| 6** | 12639.088       | 44.17            | 0.82        | 54.0           | 9.83        | AV       | 320.00         | 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   | 1479.900        | 36.79            | -19.70      | 74.0           | 37.21       | Peak     | 84.00          | 400         | Vertical | Pass    |
| 1** | 1479.900        | 26.80            | -19.70      | 54.0           | 27.20       | AV       | 84.00          | 400         | Vertical | Pass    |
| 2   | 2834.100        | 42.16            | -12.52      | 74.0           | 31.84       | Peak     | 108.00         | 400         | Vertical | Pass    |
| 2** | 2834.100        | 32.81            | -12.52      | 54.0           | 21.19       | AV       | 108.00         | 400         | Vertical | Pass    |
| 3   | 4361.500        | 46.55            | -6.69       | 74.0           | 27.45       | Peak     | 14.00          | 200         | Vertical | Pass    |
| 3** | 4361.500        | 37.67            | -6.69       | 54.0           | 16.33       | AV       | 14.00          | 200         | Vertical | Pass    |
| 4   | 5508.250        | 92.58            | -5.07       | --             | --          | Peak     | 321.00         | 200         | Vertical | N/A     |
| 4** | 5508.250        | 84.81            | -5.07       | --             | --          | AV       | 321.00         | 200         | Vertical | N/A     |
| 5   | 7602.250        | 52.41            | -0.47       | 74.0           | 21.59       | Peak     | 48.00          | 100         | Vertical | Pass    |
| 5** | 7602.250        | 44.09            | -0.47       | 54.0           | 9.91        | AV       | 48.00          | 100         | Vertical | Pass    |
| 6   | 12607.025       | 52.68            | 1.09        | 74.0           | 21.32       | Peak     | 31.00          | 300         | Vertical | Pass    |
| 6** | 12607.025       | 43.73            | 1.09        | 54.0           | 10.27       | AV       | 31.00          | 300         | 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   | 1482.300        | 37.40            | -19.63      | 74.0           | 36.60       | Peak     | 148.00         | 300         | Horizontal | Pass    |
| 1** | 1482.300        | 27.26            | -19.63      | 54.0           | 26.74       | AV       | 148.00         | 300         | Horizontal | Pass    |
| 2   | 2856.100        | 42.12            | -12.34      | 74.0           | 31.88       | Peak     | 340.00         | 300         | Horizontal | Pass    |
| 2** | 2856.100        | 33.17            | -12.34      | 54.0           | 20.83       | AV       | 340.00         | 300         | Horizontal | Pass    |
| 3   | 4345.750        | 46.21            | -6.47       | 74.0           | 27.79       | Peak     | 244.00         | 100         | Horizontal | Pass    |
| 3** | 4345.750        | 37.66            | -6.47       | 54.0           | 16.34       | AV       | 244.00         | 100         | Horizontal | Pass    |
| 4   | 5593.250        | 99.62            | -5.28       | --             | --          | Peak     | 151.00         | 100         | Horizontal | N/A     |
| 4** | 5593.250        | 92.30            | -5.28       | --             | --          | AV       | 151.00         | 100         | Horizontal | N/A     |
| 5   | 7496.500        | 53.30            | -0.53       | 74.0           | 20.70       | Peak     | 335.00         | 300         | Horizontal | Pass    |
| 5** | 7496.500        | 43.94            | -0.53       | 54.0           | 10.06       | AV       | 335.00         | 300         | Horizontal | Pass    |
| 6   | 12587.312       | 52.09            | 1.27        | 74.0           | 21.91       | Peak     | 176.00         | 200         | Horizontal | Pass    |
| 6** | 12587.312       | 43.75            | 1.27        | 54.0           | 10.25       | AV       | 176.00         | 200         | 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   | 1484.600        | 37.10            | -19.56      | 74.0           | 36.90       | Peak     | 322.00         | 400         | Vertical | Pass    |
| 1** | 1484.600        | 27.29            | -19.56      | 54.0           | 26.71       | AV       | 322.00         | 400         | Vertical | Pass    |
| 2   | 2837.400        | 41.77            | -12.55      | 74.0           | 32.23       | Peak     | 112.00         | 100         | Vertical | Pass    |
| 2** | 2837.400        | 33.36            | -12.55      | 54.0           | 20.64       | AV       | 112.00         | 100         | Vertical | Pass    |
| 3   | 4353.750        | 47.10            | -6.60       | 74.0           | 26.90       | Peak     | 101.00         | 300         | Vertical | Pass    |
| 3** | 4353.750        | 37.28            | -6.60       | 54.0           | 16.72       | AV       | 101.00         | 300         | Vertical | Pass    |
| 4   | 5594.000        | 92.58            | -5.27       | --             | --          | Peak     | 16.00          | 200         | Vertical | N/A     |
| 4** | 5594.000        | 83.74            | -5.27       | --             | --          | AV       | 16.00          | 200         | Vertical | N/A     |
| 5   | 7488.500        | 53.16            | -0.33       | 74.0           | 20.84       | Peak     | 247.00         | 200         | Vertical | Pass    |
| 5** | 7488.500        | 44.84            | -0.33       | 54.0           | 9.16        | AV       | 247.00         | 200         | Vertical | Pass    |
| 6   | 12577.812       | 52.92            | 1.35        | 74.0           | 21.08       | Peak     | 123.00         | 400         | Vertical | Pass    |
| 6** | 12577.812       | 44.18            | 1.35        | 54.0           | 9.82        | AV       | 123.00         | 400         | 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   | 1556.400        | 36.20            | -19.88      | 74.0           | 37.80       | Peak     | 138.00         | 200         | Horizontal | Pass    |
| 1** | 1556.400        | 26.30            | -19.88      | 54.0           | 27.70       | AV       | 138.00         | 200         | Horizontal | Pass    |
| 2   | 2853.600        | 42.33            | -12.26      | 74.0           | 31.67       | Peak     | 157.00         | 400         | Horizontal | Pass    |
| 2** | 2853.600        | 33.62            | -12.26      | 54.0           | 20.38       | AV       | 157.00         | 400         | Horizontal | Pass    |
| 3   | 4322.250        | 46.88            | -5.92       | 74.0           | 27.12       | Peak     | 223.00         | 100         | Horizontal | Pass    |
| 3** | 4322.250        | 37.60            | -5.92       | 54.0           | 16.40       | AV       | 223.00         | 100         | Horizontal | Pass    |
| 4   | 5671.750        | 98.75            | -5.09       | --             | --          | Peak     | 156.00         | 300         | Horizontal | N/A     |
| 4** | 5671.750        | 91.16            | -5.09       | --             | --          | AV       | 156.00         | 300         | Horizontal | N/A     |
| 5   | 7494.250        | 53.85            | -0.41       | 74.0           | 20.15       | Peak     | 339.00         | 400         | Horizontal | Pass    |
| 5** | 7494.250        | 45.33            | -0.41       | 54.0           | 8.67        | AV       | 339.00         | 400         | Horizontal | Pass    |
| 6   | 12364.063       | 52.26            | 0.62        | 74.0           | 21.74       | Peak     | 45.00          | 300         | Horizontal | Pass    |
| 6** | 12364.063       | 43.97            | 0.62        | 54.0           | 10.03       | AV       | 45.00          | 300         | 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   | 1608.700        | 36.90            | -19.94      | 74.0           | 37.10       | Peak     | 316.00         | 100         | Vertical | Pass    |
| 1** | 1608.700        | 27.00            | -19.94      | 54.0           | 27.00       | AV       | 316.00         | 100         | Vertical | Pass    |
| 2   | 2862.900        | 42.28            | -12.39      | 74.0           | 31.72       | Peak     | 180.00         | 200         | Vertical | Pass    |
| 2** | 2862.900        | 32.61            | -12.39      | 54.0           | 21.39       | AV       | 180.00         | 200         | Vertical | Pass    |
| 3   | 4353.250        | 47.33            | -6.61       | 74.0           | 26.67       | Peak     | 24.00          | 400         | Vertical | Pass    |
| 3** | 4353.250        | 38.20            | -6.61       | 54.0           | 15.80       | AV       | 24.00          | 400         | Vertical | Pass    |
| 4   | 5668.250        | 91.85            | -5.05       | --             | --          | Peak     | 207.00         | 400         | Vertical | N/A     |
| 4** | 5668.250        | 84.79            | -5.05       | --             | --          | AV       | 207.00         | 400         | Vertical | N/A     |
| 5   | 7507.000        | 52.57            | -1.16       | 74.0           | 21.43       | Peak     | 124.00         | 100         | Vertical | Pass    |
| 5** | 7507.000        | 44.44            | -1.16       | 54.0           | 9.56        | AV       | 124.00         | 100         | Vertical | Pass    |
| 6   | 12591.112       | 52.76            | 1.23        | 74.0           | 21.24       | Peak     | 97.00          | 100         | Vertical | Pass    |
| 6** | 12591.112       | 42.64            | 1.23        | 54.0           | 11.36       | AV       | 97.00          | 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   | 1547.100        | 36.53            | -19.78      | 74.0           | 37.47       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 1** | 1547.100        | 26.77            | -19.78      | 54.0           | 27.23       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 2   | 2744.200        | 42.17            | -12.70      | 74.0           | 31.83       | Peak     | 176.00         | 200         | Horizontal | Pass    |
| 2** | 2744.200        | 32.79            | -12.70      | 54.0           | 21.21       | AV       | 176.00         | 200         | Horizontal | Pass    |
| 3   | 4324.500        | 46.19            | -5.93       | 74.0           | 27.81       | Peak     | 248.00         | 200         | Horizontal | Pass    |
| 3** | 4324.500        | 37.50            | -5.93       | 54.0           | 16.50       | AV       | 248.00         | 200         | Horizontal | Pass    |
| 4   | 5501.250        | 105.31           | -4.82       | --             | --          | Peak     | 82.00          | 400         | Horizontal | N/A     |
| 4** | 5501.250        | 97.70            | -4.82       | --             | --          | AV       | 82.00          | 400         | Horizontal | N/A     |
| 5   | 7598.750        | 53.12            | -0.36       | 74.0           | 20.88       | Peak     | 256.00         | 300         | Horizontal | Pass    |
| 5** | 7598.750        | 44.01            | -0.36       | 54.0           | 9.99        | AV       | 256.00         | 300         | Horizontal | Pass    |
| 6   | 12545.037       | 52.92            | 1.50        | 74.0           | 21.08       | Peak     | 63.00          | 300         | Horizontal | Pass    |
| 6** | 12545.037       | 43.23            | 1.50        | 54.0           | 10.77       | AV       | 63.00          | 300         | 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   | 1604.900        | 36.58            | -19.96      | 74.0           | 37.42       | Peak     | 228.00         | 100         | Vertical | Pass    |
| 1** | 1604.900        | 27.71            | -19.96      | 54.0           | 26.29       | AV       | 228.00         | 100         | Vertical | Pass    |
| 2   | 2887.300        | 42.47            | -12.14      | 74.0           | 31.53       | Peak     | 293.00         | 200         | Vertical | Pass    |
| 2** | 2887.300        | 33.53            | -12.14      | 54.0           | 20.47       | AV       | 293.00         | 200         | Vertical | Pass    |
| 3   | 4366.000        | 46.70            | -6.78       | 74.0           | 27.30       | Peak     | 5.00           | 200         | Vertical | Pass    |
| 3** | 4366.000        | 37.13            | -6.78       | 54.0           | 16.87       | AV       | 5.00           | 200         | Vertical | Pass    |
| 4   | 5501.750        | 97.90            | -4.83       | --             | --          | Peak     | 360.00         | 300         | Vertical | N/A     |
| 4** | 5501.750        | 91.19            | -4.83       | --             | --          | AV       | 360.00         | 300         | Vertical | N/A     |
| 5   | 7545.250        | 53.14            | -0.50       | 74.0           | 20.86       | Peak     | 336.00         | 150         | Vertical | Pass    |
| 5** | 7545.250        | 43.31            | -0.50       | 54.0           | 10.69       | AV       | 336.00         | 150         | Vertical | Pass    |
| 6   | 12366.437       | 53.33            | 0.59        | 74.0           | 20.67       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 6** | 12366.437       | 44.27            | 0.59        | 54.0           | 9.73        | AV       | 360.00         | 300         | 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   | 1569.700        | 36.69            | -19.95      | 74.0           | 37.31       | Peak     | 234.00         | 300         | Horizontal | Pass    |
| 1** | 1569.700        | 26.62            | -19.95      | 54.0           | 27.38       | AV       | 234.00         | 300         | Horizontal | Pass    |
| 2   | 2848.300        | 42.14            | -12.21      | 74.0           | 31.86       | Peak     | 2.00           | 400         | Horizontal | Pass    |
| 2** | 2848.300        | 32.69            | -12.21      | 54.0           | 21.31       | AV       | 2.00           | 400         | Horizontal | Pass    |
| 3   | 4335.000        | 47.26            | -6.14       | 74.0           | 26.74       | Peak     | 310.00         | 200         | Horizontal | Pass    |
| 3** | 4335.000        | 37.89            | -6.14       | 54.0           | 16.11       | AV       | 310.00         | 200         | Horizontal | Pass    |
| 4   | 5583.750        | 103.75           | -5.21       | --             | --          | Peak     | 93.00          | 300         | Horizontal | N/A     |
| 4** | 5583.750        | 95.68            | -5.21       | --             | --          | AV       | 93.00          | 300         | Horizontal | N/A     |
| 5   | 7561.750        | 53.35            | -1.70       | 74.0           | 20.65       | Peak     | 285.00         | 100         | Horizontal | Pass    |
| 5** | 7561.750        | 43.46            | -1.70       | 54.0           | 10.54       | AV       | 285.00         | 100         | Horizontal | Pass    |
| 6   | 12608.451       | 53.22            | 1.08        | 74.0           | 20.78       | Peak     | 226.00         | 100         | Horizontal | Pass    |
| 6** | 12608.451       | 44.10            | 1.08        | 54.0           | 9.90        | AV       | 226.00         | 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   | 1445.400        | 36.42            | -19.72      | 74.0           | 37.58       | Peak     | 99.00          | 300         | Vertical | Pass    |
| 1** | 1445.400        | 26.16            | -19.72      | 54.0           | 27.84       | AV       | 99.00          | 300         | Vertical | Pass    |
| 2   | 2889.200        | 42.31            | -12.15      | 74.0           | 31.69       | Peak     | 202.00         | 300         | Vertical | Pass    |
| 2** | 2889.200        | 33.77            | -12.15      | 54.0           | 20.23       | AV       | 202.00         | 300         | Vertical | Pass    |
| 3   | 4343.500        | 46.47            | -6.25       | 74.0           | 27.53       | Peak     | 330.00         | 200         | Vertical | Pass    |
| 3** | 4343.500        | 37.45            | -6.25       | 54.0           | 16.55       | AV       | 330.00         | 200         | Vertical | Pass    |
| 4   | 5581.750        | 96.54            | -5.22       | --             | --          | Peak     | 314.00         | 400         | Vertical | N/A     |
| 4** | 5581.750        | 89.47            | -5.22       | --             | --          | AV       | 314.00         | 400         | Vertical | N/A     |
| 5   | 7593.750        | 52.81            | -0.55       | 74.0           | 21.19       | Peak     | 91.00          | 300         | Vertical | Pass    |
| 5** | 7593.750        | 43.46            | -0.55       | 54.0           | 10.54       | AV       | 91.00          | 300         | Vertical | Pass    |
| 6   | 12608.451       | 52.85            | 1.08        | 74.0           | 21.15       | Peak     | 298.00         | 400         | Vertical | Pass    |
| 6** | 12608.451       | 43.46            | 1.08        | 54.0           | 10.54       | AV       | 298.00         | 400         | 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   | 1563.800        | 37.03            | -19.92      | 74.0           | 36.97       | Peak     | 173.00         | 100         | Horizontal | Pass    |
| 1** | 1563.800        | 28.09            | -19.92      | 54.0           | 25.91       | AV       | 173.00         | 100         | Horizontal | Pass    |
| 2   | 2853.200        | 42.40            | -12.23      | 74.0           | 31.60       | Peak     | 337.00         | 300         | Horizontal | Pass    |
| 2** | 2853.200        | 32.93            | -12.23      | 54.0           | 21.07       | AV       | 337.00         | 300         | Horizontal | Pass    |
| 3   | 4338.250        | 46.58            | -6.16       | 74.0           | 27.42       | Peak     | 74.00          | 150         | Horizontal | Pass    |
| 3** | 4338.250        | 38.32            | -6.16       | 54.0           | 15.68       | AV       | 74.00          | 150         | Horizontal | Pass    |
| 4   | 5698.000        | 103.08           | -5.17       | --             | --          | Peak     | 156.00         | 300         | Horizontal | N/A     |
| 4** | 5698.000        | 95.47            | -5.17       | --             | --          | AV       | 156.00         | 300         | Horizontal | N/A     |
| 5   | 7500.250        | 53.58            | -0.75       | 74.0           | 20.42       | Peak     | 272.00         | 100         | Horizontal | Pass    |
| 5** | 7500.250        | 44.42            | -0.75       | 54.0           | 9.58        | AV       | 272.00         | 100         | Horizontal | Pass    |
| 6   | 12606.312       | 53.16            | 1.10        | 74.0           | 20.84       | Peak     | 221.00         | 300         | Horizontal | Pass    |
| 6** | 12606.312       | 42.96            | 1.10        | 54.0           | 11.04       | AV       | 221.00         | 300         | 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   | 1464.500        | 36.54            | -19.78      | 74.0           | 37.46       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 1** | 1464.500        | 26.92            | -19.78      | 54.0           | 27.08       | AV       | 0.00           | 300         | Vertical | Pass    |
| 2   | 2840.400        | 42.39            | -12.47      | 74.0           | 31.61       | Peak     | 32.00          | 200         | Vertical | Pass    |
| 2** | 2840.400        | 32.12            | -12.47      | 54.0           | 21.88       | AV       | 32.00          | 200         | Vertical | Pass    |
| 3   | 4335.250        | 46.51            | -6.14       | 74.0           | 27.49       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 3** | 4335.250        | 37.86            | -6.14       | 54.0           | 16.14       | AV       | 0.00           | 100         | Vertical | Pass    |
| 4   | 5701.000        | 96.73            | -5.24       | --             | --          | Peak     | 305.00         | 400         | Vertical | N/A     |
| 4** | 5701.000        | 89.15            | -5.24       | --             | --          | AV       | 305.00         | 400         | Vertical | N/A     |
| 5   | 7498.250        | 53.55            | -0.65       | 74.0           | 20.45       | Peak     | 355.00         | 200         | Vertical | Pass    |
| 5** | 7498.250        | 44.31            | -0.65       | 54.0           | 9.69        | AV       | 355.00         | 200         | Vertical | Pass    |
| 6   | 12423.675       | 53.08            | 0.58        | 74.0           | 20.92       | Peak     | 317.00         | 400         | Vertical | Pass    |
| 6** | 12423.675       | 44.43            | 0.58        | 54.0           | 9.57        | AV       | 317.00         | 400         | 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   | 1495.500        | 36.61            | -19.48      | 74.0           | 37.39       | Peak     | 40.00          | 300         | Horizontal | Pass    |
| 1** | 1495.500        | 27.23            | -19.48      | 54.0           | 26.77       | AV       | 40.00          | 300         | Horizontal | Pass    |
| 2   | 2856.500        | 42.33            | -12.34      | 74.0           | 31.67       | Peak     | 117.00         | 100         | Horizontal | Pass    |
| 2** | 2856.500        | 33.47            | -12.34      | 54.0           | 20.53       | AV       | 117.00         | 100         | Horizontal | Pass    |
| 3   | 4368.500        | 46.81            | -6.86       | 74.0           | 27.19       | Peak     | 246.00         | 300         | Horizontal | Pass    |
| 3** | 4368.500        | 37.61            | -6.86       | 54.0           | 16.39       | AV       | 246.00         | 300         | Horizontal | Pass    |
| 4   | 5512.000        | 101.28           | -5.23       | --             | --          | Peak     | 80.00          | 400         | Horizontal | N/A     |
| 4** | 5512.000        | 93.52            | -5.23       | --             | --          | AV       | 80.00          | 400         | Horizontal | N/A     |
| 5   | 7572.500        | 53.28            | -1.60       | 74.0           | 20.72       | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 5** | 7572.500        | 44.22            | -1.60       | 54.0           | 9.78        | AV       | 330.00         | 150         | Horizontal | Pass    |
| 6   | 12283.076       | 52.65            | 0.56        | 74.0           | 21.35       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 6** | 12283.076       | 43.30            | 0.56        | 54.0           | 10.70       | AV       | 360.00         | 400         | 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   | 1503.100        | 37.28            | -19.54      | 74.0           | 36.72       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 1** | 1503.100        | 27.27            | -19.54      | 54.0           | 26.73       | AV       | 0.00           | 400         | Vertical | Pass    |
| 2   | 2770.400        | 42.48            | -12.84      | 74.0           | 31.52       | Peak     | 277.00         | 100         | Vertical | Pass    |
| 2** | 2770.400        | 32.54            | -12.84      | 54.0           | 21.46       | AV       | 277.00         | 100         | Vertical | Pass    |
| 3   | 4357.750        | 46.46            | -6.60       | 74.0           | 27.54       | Peak     | 144.00         | 100         | Vertical | Pass    |
| 3** | 4357.750        | 37.21            | -6.60       | 54.0           | 16.79       | AV       | 144.00         | 100         | Vertical | Pass    |
| 4   | 5505.750        | 93.48            | -4.95       | --             | --          | Peak     | 316.00         | 300         | Vertical | N/A     |
| 4** | 5505.750        | 85.75            | -4.95       | --             | --          | AV       | 316.00         | 300         | Vertical | N/A     |
| 5   | 7489.500        | 53.29            | -0.33       | 74.0           | 20.71       | Peak     | 211.00         | 100         | Vertical | Pass    |
| 5** | 7489.500        | 44.79            | -0.33       | 54.0           | 9.21        | AV       | 211.00         | 100         | Vertical | Pass    |
| 6   | 12632.438       | 52.75            | 0.87        | 74.0           | 21.25       | Peak     | 337.00         | 300         | Vertical | Pass    |
| 6** | 12632.438       | 42.91            | 0.87        | 54.0           | 11.09       | AV       | 337.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1525.700        | 36.29            | -19.59      | 74.0           | 37.71       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 1** | 1525.700        | 26.51            | -19.59      | 54.0           | 27.49       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 2   | 2821.900        | 42.58            | -12.77      | 74.0           | 31.42       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 2** | 2821.900        | 33.15            | -12.77      | 54.0           | 20.85       | AV       | 360.00         | 400         | Horizontal | Pass    |
| 3   | 4360.000        | 46.65            | -6.68       | 74.0           | 27.35       | Peak     | 273.00         | 200         | Horizontal | Pass    |
| 3** | 4360.000        | 38.40            | -6.68       | 54.0           | 15.60       | AV       | 273.00         | 200         | Horizontal | Pass    |
| 4   | 5588.250        | 99.99            | -5.26       | --             | --          | Peak     | 91.00          | 200         | Horizontal | N/A     |
| 4** | 5588.250        | 92.69            | -5.26       | --             | --          | AV       | 91.00          | 200         | Horizontal | N/A     |
| 5   | 7599.250        | 53.37            | -0.35       | 74.0           | 20.63       | Peak     | 116.00         | 200         | Horizontal | Pass    |
| 5** | 7599.250        | 44.36            | -0.35       | 54.0           | 9.64        | AV       | 116.00         | 200         | Horizontal | Pass    |
| 6   | 12610.113       | 53.21            | 1.06        | 74.0           | 20.79       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 6** | 12610.113       | 43.52            | 1.06        | 54.0           | 10.48       | AV       | 360.00         | 400         | 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   | 1554.600        | 36.02            | -19.83      | 74.0           | 37.98       | Peak     | 307.00         | 300         | Vertical | Pass    |
| 1** | 1554.600        | 26.77            | -19.83      | 54.0           | 27.23       | AV       | 307.00         | 300         | Vertical | Pass    |
| 2   | 2770.400        | 42.73            | -12.84      | 74.0           | 31.27       | Peak     | 78.00          | 400         | Vertical | Pass    |
| 2** | 2770.400        | 32.51            | -12.84      | 54.0           | 21.49       | AV       | 78.00          | 400         | Vertical | Pass    |
| 3   | 4135.000        | 46.65            | -7.34       | 74.0           | 27.35       | Peak     | 129.00         | 150         | Vertical | Pass    |
| 3** | 4135.000        | 36.47            | -7.34       | 54.0           | 17.53       | AV       | 129.00         | 150         | Vertical | Pass    |
| 4   | 5592.000        | 93.17            | -5.27       | --             | --          | Peak     | 4.00           | 200         | Vertical | N/A     |
| 4** | 5592.000        | 85.23            | -5.27       | --             | --          | AV       | 4.00           | 200         | Vertical | N/A     |
| 5   | 7505.000        | 53.40            | -1.02       | 74.0           | 20.60       | Peak     | 45.00          | 150         | Vertical | Pass    |
| 5** | 7505.000        | 43.93            | -1.02       | 54.0           | 10.07       | AV       | 45.00          | 150         | Vertical | Pass    |
| 6   | 12453.599       | 53.21            | 0.86        | 74.0           | 20.79       | Peak     | 163.00         | 200         | Vertical | Pass    |
| 6** | 12453.599       | 42.93            | 0.86        | 54.0           | 11.07       | AV       | 163.00         | 200         | 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   | 1500.500        | 36.34            | -19.48      | 74.0           | 37.66       | Peak     | 220.00         | 100         | Horizontal | Pass    |
| 1** | 1500.500        | 26.84            | -19.48      | 54.0           | 27.16       | AV       | 220.00         | 100         | Horizontal | Pass    |
| 2   | 2734.700        | 42.19            | -11.82      | 74.0           | 31.81       | Peak     | 220.00         | 300         | Horizontal | Pass    |
| 2** | 2734.700        | 32.46            | -11.82      | 54.0           | 21.54       | AV       | 220.00         | 300         | Horizontal | Pass    |
| 3   | 4343.000        | 46.99            | -6.26       | 74.0           | 27.01       | Peak     | 314.00         | 200         | Horizontal | Pass    |
| 3** | 4343.000        | 37.94            | -6.26       | 54.0           | 16.06       | AV       | 314.00         | 200         | Horizontal | Pass    |
| 4   | 5672.000        | 99.80            | -5.08       | --             | --          | Peak     | 156.00         | 400         | Horizontal | N/A     |
| 4** | 5672.000        | 92.49            | -5.08       | --             | --          | AV       | 156.00         | 400         | Horizontal | N/A     |
| 5   | 7500.750        | 53.11            | -0.78       | 74.0           | 20.89       | Peak     | 355.00         | 150         | Horizontal | Pass    |
| 5** | 7500.750        | 45.72            | -0.78       | 54.0           | 8.28        | AV       | 355.00         | 150         | Horizontal | Pass    |
| 6   | 12579.951       | 52.91            | 1.34        | 74.0           | 21.09       | Peak     | 358.00         | 100         | Horizontal | Pass    |
| 6** | 12579.951       | 43.87            | 1.34        | 54.0           | 10.13       | AV       | 358.00         | 100         | 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   | 1470.100        | 36.32            | -19.77      | 74.0           | 37.68       | Peak     | 99.00          | 400         | Vertical | Pass    |
| 1** | 1470.100        | 27.85            | -19.77      | 54.0           | 26.15       | AV       | 99.00          | 400         | Vertical | Pass    |
| 2   | 2884.000        | 42.70            | -12.28      | 74.0           | 31.30       | Peak     | 80.00          | 100         | Vertical | Pass    |
| 2** | 2884.000        | 32.93            | -12.28      | 54.0           | 21.07       | AV       | 80.00          | 100         | Vertical | Pass    |
| 3   | 4340.500        | 46.26            | -6.28       | 74.0           | 27.74       | Peak     | 118.00         | 150         | Vertical | Pass    |
| 3** | 4340.500        | 37.73            | -6.28       | 54.0           | 16.27       | AV       | 118.00         | 150         | Vertical | Pass    |
| 4   | 5674.500        | 92.83            | -5.07       | --             | --          | Peak     | 0.00           | 300         | Vertical | N/A     |
| 4** | 5674.500        | 85.04            | -5.07       | --             | --          | AV       | 0.00           | 300         | Vertical | N/A     |
| 5   | 7501.750        | 53.74            | -0.84       | 74.0           | 20.26       | Peak     | 225.00         | 150         | Vertical | Pass    |
| 5** | 7501.750        | 45.59            | -0.84       | 54.0           | 8.41        | AV       | 225.00         | 150         | Vertical | Pass    |
| 6   | 12615.812       | 53.20            | 1.02        | 74.0           | 20.80       | Peak     | 249.00         | 300         | Vertical | Pass    |
| 6** | 12615.812       | 43.26            | 1.02        | 54.0           | 10.74       | AV       | 249.00         | 300         | 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   | 1487.500        | 36.91            | -19.59      | 74.0           | 37.09       | Peak     | 142.00         | 300         | Horizontal | Pass    |
| 1** | 1487.500        | 27.98            | -19.59      | 54.0           | 26.02       | AV       | 142.00         | 300         | Horizontal | Pass    |
| 2   | 2888.300        | 42.54            | -12.13      | 74.0           | 31.46       | Peak     | 40.00          | 300         | Horizontal | Pass    |
| 2** | 2888.300        | 33.29            | -12.13      | 54.0           | 20.71       | AV       | 40.00          | 300         | Horizontal | Pass    |
| 3   | 4338.250        | 46.33            | -6.16       | 74.0           | 27.67       | Peak     | 87.00          | 200         | Horizontal | Pass    |
| 3** | 4338.250        | 37.98            | -6.16       | 54.0           | 16.02       | AV       | 87.00          | 200         | Horizontal | Pass    |
| 4   | 5523.250        | 96.19            | -5.22       | --             | --          | Peak     | 87.00          | 100         | Horizontal | N/A     |
| 4** | 5523.250        | 89.10            | -5.22       | --             | --          | AV       | 87.00          | 100         | Horizontal | N/A     |
| 5   | 7484.750        | 54.19            | -0.48       | 74.0           | 19.81       | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 5** | 7484.750        | 44.46            | -0.48       | 54.0           | 9.54        | AV       | 154.00         | 150         | Horizontal | Pass    |
| 6   | 12297.800       | 52.70            | 0.64        | 74.0           | 21.30       | Peak     | 172.00         | 100         | Horizontal | Pass    |
| 6** | 12297.800       | 44.50            | 0.64        | 54.0           | 9.50        | AV       | 172.00         | 100         | 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   | 1512.400        | 36.33            | -19.64      | 74.0           | 37.67       | Peak     | 230.00         | 150         | Vertical | Pass    |
| 1** | 1512.400        | 27.03            | -19.64      | 54.0           | 26.97       | AV       | 230.00         | 150         | Vertical | Pass    |
| 2   | 2786.300        | 42.27            | -12.78      | 74.0           | 31.73       | Peak     | 253.00         | 300         | Vertical | Pass    |
| 2** | 2786.300        | 32.78            | -12.78      | 54.0           | 21.22       | AV       | 253.00         | 300         | Vertical | Pass    |
| 3   | 4358.000        | 46.75            | -6.59       | 74.0           | 27.25       | Peak     | 73.00          | 150         | Vertical | Pass    |
| 3** | 4358.000        | 37.48            | -6.59       | 54.0           | 16.52       | AV       | 73.00          | 150         | Vertical | Pass    |
| 4   | 5533.250        | 88.67            | -5.42       | --             | --          | Peak     | 7.00           | 100         | Vertical | N/A     |
| 4** | 5533.250        | 81.10            | -5.42       | --             | --          | AV       | 7.00           | 100         | Vertical | N/A     |
| 5   | 7594.750        | 53.04            | -0.49       | 74.0           | 20.96       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 5** | 7594.750        | 43.94            | -0.49       | 54.0           | 10.06       | AV       | 360.00         | 200         | Vertical | Pass    |
| 6   | 12609.637       | 53.15            | 1.07        | 74.0           | 20.85       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 6** | 12609.637       | 43.36            | 1.07        | 54.0           | 10.64       | AV       | 360.00         | 300         | 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   | 1489.300        | 36.47            | -19.52      | 74.0           | 37.53       | Peak     | 183.00         | 300         | Horizontal | Pass    |
| 1** | 1489.300        | 27.46            | -19.52      | 54.0           | 26.54       | AV       | 183.00         | 300         | Horizontal | Pass    |
| 2   | 2868.100        | 42.39            | -12.41      | 74.0           | 31.61       | Peak     | 360.00         | 400         | Horizontal | Pass    |
| 2** | 2868.100        | 32.75            | -12.41      | 54.0           | 21.25       | AV       | 360.00         | 400         | Horizontal | Pass    |
| 3   | 4335.000        | 46.82            | -6.14       | 74.0           | 27.18       | Peak     | 219.00         | 200         | Horizontal | Pass    |
| 3** | 4335.000        | 37.82            | -6.14       | 54.0           | 16.18       | AV       | 219.00         | 200         | Horizontal | Pass    |
| 4   | 5612.000        | 95.72            | -5.29       | --             | --          | Peak     | 154.00         | 100         | Horizontal | N/A     |
| 4** | 5612.000        | 87.78            | -5.29       | --             | --          | AV       | 154.00         | 100         | Horizontal | N/A     |
| 5   | 7494.500        | 53.44            | -0.41       | 74.0           | 20.56       | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 5** | 7494.500        | 45.28            | -0.41       | 54.0           | 8.72        | AV       | 261.00         | 150         | Horizontal | Pass    |
| 6   | 12580.187       | 52.40            | 1.33        | 74.0           | 21.60       | Peak     | 191.00         | 200         | Horizontal | Pass    |
| 6** | 12580.187       | 43.98            | 1.33        | 54.0           | 10.02       | AV       | 191.00         | 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   | 1489.500        | 36.17            | -19.52      | 74.0           | 37.83       | Peak     | 337.00         | 100         | Vertical | Pass    |
| 1** | 1489.500        | 27.61            | -19.52      | 54.0           | 26.39       | AV       | 337.00         | 100         | Vertical | Pass    |
| 2   | 2784.300        | 42.79            | -12.91      | 74.0           | 31.21       | Peak     | 24.00          | 400         | Vertical | Pass    |
| 2** | 2784.300        | 32.35            | -12.91      | 54.0           | 21.65       | AV       | 24.00          | 400         | Vertical | Pass    |
| 3   | 4307.750        | 46.23            | -6.31       | 74.0           | 27.77       | Peak     | 229.00         | 100         | Vertical | Pass    |
| 3** | 4307.750        | 38.84            | -6.31       | 54.0           | 15.16       | AV       | 229.00         | 100         | Vertical | Pass    |
| 4   | 5608.500        | 89.03            | -5.39       | --             | --          | Peak     | 0.00           | 300         | Vertical | N/A     |
| 4** | 5608.500        | 81.20            | -5.39       | --             | --          | AV       | 0.00           | 300         | Vertical | N/A     |
| 5   | 7492.250        | 53.56            | -0.40       | 74.0           | 20.44       | Peak     | 120.00         | 200         | Vertical | Pass    |
| 5** | 7492.250        | 43.71            | -0.40       | 54.0           | 10.29       | AV       | 120.00         | 200         | Vertical | Pass    |
| 6   | 12299.225       | 52.44            | 0.65        | 74.0           | 21.56       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 12299.225       | 43.04            | 0.65        | 54.0           | 10.96       | AV       | 0.00           | 200         | 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   | 1472.500        | 36.40            | -19.73      | 74.0           | 37.60       | Peak     | 2.00           | 100         | Horizontal | Pass    |
| 1** | 1472.500        | 27.10            | -19.73      | 54.0           | 26.90       | AV       | 2.00           | 100         | Horizontal | Pass    |
| 2   | 2745.600        | 42.56            | -12.84      | 74.0           | 31.44       | Peak     | 333.00         | 100         | Horizontal | Pass    |
| 2** | 2745.600        | 31.94            | -12.84      | 54.0           | 22.06       | AV       | 333.00         | 100         | Horizontal | Pass    |
| 3   | 4337.250        | 46.94            | -6.09       | 74.0           | 27.06       | Peak     | 87.00          | 100         | Horizontal | Pass    |
| 3** | 4337.250        | 37.76            | -6.09       | 54.0           | 16.24       | AV       | 87.00          | 100         | Horizontal | Pass    |
| 4   | 5746.250        | 102.17           | -5.27       | --             | --          | Peak     | 96.00          | 200         | Horizontal | N/A     |
| 4** | 5746.250        | 94.61            | -5.27       | --             | --          | AV       | 96.00          | 200         | Horizontal | N/A     |
| 5   | 7497.000        | 53.81            | -0.57       | 74.0           | 20.19       | Peak     | 237.00         | 100         | Horizontal | Pass    |
| 5** | 7497.000        | 45.05            | -0.57       | 54.0           | 8.95        | AV       | 237.00         | 100         | Horizontal | Pass    |
| 6   | 12436.500       | 52.89            | 0.73        | 74.0           | 21.11       | Peak     | 79.00          | 100         | Horizontal | Pass    |
| 6** | 12436.500       | 43.21            | 0.73        | 54.0           | 10.79       | AV       | 79.00          | 100         | 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   | 1580.800        | 36.50            | -20.04      | 74.0           | 37.50       | Peak     | 174.00         | 300         | Vertical | Pass    |
| 1** | 1580.800        | 26.68            | -20.04      | 54.0           | 27.32       | AV       | 174.00         | 300         | Vertical | Pass    |
| 2   | 2864.300        | 42.97            | -12.32      | 74.0           | 31.03       | Peak     | 58.00          | 300         | Vertical | Pass    |
| 2** | 2864.300        | 33.09            | -12.32      | 54.0           | 20.91       | AV       | 58.00          | 300         | Vertical | Pass    |
| 3   | 4340.500        | 46.35            | -6.28       | 74.0           | 27.65       | Peak     | 131.00         | 100         | Vertical | Pass    |
| 3** | 4340.500        | 38.57            | -6.28       | 54.0           | 15.43       | AV       | 131.00         | 100         | Vertical | Pass    |
| 4   | 5746.000        | 95.32            | -5.27       | --             | --          | Peak     | 304.00         | 100         | Vertical | N/A     |
| 4** | 5746.000        | 88.32            | -5.27       | --             | --          | AV       | 304.00         | 100         | Vertical | N/A     |
| 5   | 7508.250        | 53.46            | -1.23       | 74.0           | 20.54       | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 7508.250        | 43.44            | -1.23       | 54.0           | 10.56       | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 12608.925       | 52.91            | 1.07        | 74.0           | 21.09       | Peak     | 89.00          | 300         | Vertical | Pass    |
| 6** | 12608.925       | 43.59            | 1.07        | 54.0           | 10.41       | AV       | 89.00          | 300         | 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   | 1438.500        | 36.60            | -19.77      | 74.0           | 37.40       | Peak     | 346.00         | 200         | Horizontal | Pass    |
| 1** | 1438.500        | 27.17            | -19.77      | 54.0           | 26.83       | AV       | 346.00         | 200         | Horizontal | Pass    |
| 2   | 2861.800        | 43.15            | -12.40      | 74.0           | 30.85       | Peak     | 217.00         | 300         | Horizontal | Pass    |
| 2** | 2861.800        | 32.47            | -12.40      | 54.0           | 21.53       | AV       | 217.00         | 300         | Horizontal | Pass    |
| 3   | 4356.500        | 46.71            | -6.64       | 74.0           | 27.29       | Peak     | 288.00         | 100         | Horizontal | Pass    |
| 3** | 4356.500        | 37.53            | -6.64       | 54.0           | 16.47       | AV       | 288.00         | 100         | Horizontal | Pass    |
| 4   | 5786.500        | 102.75           | -4.73       | --             | --          | Peak     | 90.00          | 300         | Horizontal | N/A     |
| 4** | 5786.500        | 95.32            | -4.73       | --             | --          | AV       | 90.00          | 300         | Horizontal | N/A     |
| 5   | 7513.000        | 52.70            | -1.33       | 74.0           | 21.30       | Peak     | 90.00          | 200         | Horizontal | Pass    |
| 5** | 7513.000        | 44.16            | -1.33       | 54.0           | 9.84        | AV       | 90.00          | 200         | Horizontal | Pass    |
| 6   | 12330.812       | 52.39            | 0.70        | 74.0           | 21.61       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 6** | 12330.812       | 42.66            | 0.70        | 54.0           | 11.34       | AV       | 360.00         | 100         | 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   | 1500.300        | 36.48            | -19.47      | 74.0           | 37.52       | Peak     | 353.00         | 400         | Vertical | Pass    |
| 1** | 1500.300        | 27.81            | -19.47      | 54.0           | 26.19       | AV       | 353.00         | 400         | Vertical | Pass    |
| 2   | 2856.300        | 42.02            | -12.34      | 74.0           | 31.98       | Peak     | 40.00          | 300         | Vertical | Pass    |
| 2** | 2856.300        | 33.71            | -12.34      | 54.0           | 20.29       | AV       | 40.00          | 300         | Vertical | Pass    |
| 3   | 4342.250        | 47.44            | -6.29       | 74.0           | 26.56       | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4342.250        | 37.63            | -6.29       | 54.0           | 16.37       | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5783.500        | 95.27            | -4.70       | --             | --          | Peak     | 308.00         | 400         | Vertical | N/A     |
| 4** | 5783.500        | 88.46            | -4.70       | --             | --          | AV       | 308.00         | 400         | Vertical | N/A     |
| 5   | 7513.750        | 53.75            | -1.34       | 74.0           | 20.25       | Peak     | 274.00         | 150         | Vertical | Pass    |
| 5** | 7513.750        | 43.05            | -1.34       | 54.0           | 10.95       | AV       | 274.00         | 150         | Vertical | Pass    |
| 6   | 12545.275       | 52.93            | 1.51        | 74.0           | 21.07       | Peak     | 237.00         | 200         | Vertical | Pass    |
| 6** | 12545.275       | 43.40            | 1.51        | 54.0           | 10.60       | AV       | 237.00         | 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   | 1590.200        | 36.67            | -19.97      | 74.0           | 37.33       | Peak     | 225.00         | 400         | Horizontal | Pass    |
| 1** | 1590.200        | 26.68            | -19.97      | 54.0           | 27.32       | AV       | 225.00         | 400         | Horizontal | Pass    |
| 2   | 2729.600        | 41.86            | -11.52      | 74.0           | 32.14       | Peak     | 232.00         | 300         | Horizontal | Pass    |
| 2** | 2729.600        | 31.99            | -11.52      | 54.0           | 22.01       | AV       | 232.00         | 300         | Horizontal | Pass    |
| 3   | 4306.500        | 47.24            | -6.36       | 74.0           | 26.76       | Peak     | 40.00          | 200         | Horizontal | Pass    |
| 3** | 4306.500        | 37.46            | -6.36       | 54.0           | 16.54       | AV       | 40.00          | 200         | Horizontal | Pass    |
| 4   | 5826.250        | 102.85           | -4.78       | --             | --          | Peak     | 90.00          | 400         | Horizontal | N/A     |
| 4** | 5826.250        | 95.56            | -4.78       | --             | --          | AV       | 90.00          | 400         | Horizontal | N/A     |
| 5   | 7498.750        | 53.25            | -0.68       | 74.0           | 20.75       | Peak     | 122.00         | 150         | Horizontal | Pass    |
| 5** | 7498.750        | 44.64            | -0.68       | 54.0           | 9.36        | AV       | 122.00         | 150         | Horizontal | Pass    |
| 6   | 12415.600       | 52.99            | 0.49        | 74.0           | 21.01       | Peak     | 316.00         | 200         | Horizontal | Pass    |
| 6** | 12415.600       | 42.72            | 0.49        | 54.0           | 11.28       | AV       | 316.00         | 200         | 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   | 1539.100        | 36.85            | -19.84      | 74.0           | 37.15       | Peak     | 334.00         | 100         | Vertical | Pass    |
| 1** | 1539.100        | 26.71            | -19.84      | 54.0           | 27.29       | AV       | 334.00         | 100         | Vertical | Pass    |
| 2   | 2823.600        | 42.70            | -12.71      | 74.0           | 31.30       | Peak     | 125.00         | 100         | Vertical | Pass    |
| 2** | 2823.600        | 32.09            | -12.71      | 54.0           | 21.91       | AV       | 125.00         | 100         | Vertical | Pass    |
| 3   | 4337.250        | 46.58            | -6.09       | 74.0           | 27.42       | Peak     | 99.00          | 100         | Vertical | Pass    |
| 3** | 4337.250        | 37.94            | -6.09       | 54.0           | 16.06       | AV       | 99.00          | 100         | Vertical | Pass    |
| 4   | 5823.250        | 96.06            | -4.71       | --             | --          | Peak     | 196.00         | 100         | Vertical | N/A     |
| 4** | 5823.250        | 88.21            | -4.71       | --             | --          | AV       | 196.00         | 100         | Vertical | N/A     |
| 5   | 7484.500        | 53.14            | -0.49       | 74.0           | 20.86       | Peak     | 329.00         | 200         | Vertical | Pass    |
| 5** | 7484.500        | 43.84            | -0.49       | 54.0           | 10.16       | AV       | 329.00         | 200         | Vertical | Pass    |
| 6   | 12574.250       | 52.74            | 1.39        | 74.0           | 21.26       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 6** | 12574.250       | 44.04            | 1.39        | 54.0           | 9.96        | AV       | 360.00         | 100         | 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   | 1457.500        | 36.43            | -19.73      | 74.0           | 37.57       | Peak     | 145.00         | 300         | Horizontal | Pass    |
| 1** | 1457.500        | 26.86            | -19.73      | 54.0           | 27.14       | AV       | 145.00         | 300         | Horizontal | Pass    |
| 2   | 2846.900        | 42.49            | -12.24      | 74.0           | 31.51       | Peak     | 154.00         | 100         | Horizontal | Pass    |
| 2** | 2846.900        | 32.88            | -12.24      | 54.0           | 21.12       | AV       | 154.00         | 100         | Horizontal | Pass    |
| 3   | 4340.250        | 47.60            | -6.27       | 74.0           | 26.40       | Peak     | 209.00         | 200         | Horizontal | Pass    |
| 3** | 4340.250        | 37.66            | -6.27       | 54.0           | 16.34       | AV       | 209.00         | 200         | Horizontal | Pass    |
| 4   | 5746.750        | 101.31           | -5.28       | --             | --          | Peak     | 94.00          | 400         | Horizontal | N/A     |
| 4** | 5746.750        | 94.20            | -5.28       | --             | --          | AV       | 94.00          | 400         | Horizontal | N/A     |
| 5   | 7695.250        | 52.95            | -1.43       | 74.0           | 21.05       | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 5** | 7695.250        | 42.94            | -1.43       | 54.0           | 11.06       | AV       | 201.00         | 150         | Horizontal | Pass    |
| 6   | 12552.401       | 52.54            | 1.59        | 74.0           | 21.46       | Peak     | 313.00         | 200         | Horizontal | Pass    |
| 6** | 12552.401       | 43.40            | 1.59        | 54.0           | 10.60       | AV       | 313.00         | 200         | 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   | 1500.100        | 35.99            | -19.47      | 74.0           | 38.01       | Peak     | 328.00         | 200         | Vertical | Pass    |
| 1** | 1500.100        | 27.43            | -19.47      | 54.0           | 26.57       | AV       | 328.00         | 200         | Vertical | Pass    |
| 2   | 2854.600        | 42.67            | -12.30      | 74.0           | 31.33       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 2** | 2854.600        | 32.75            | -12.30      | 54.0           | 21.25       | AV       | 360.00         | 400         | Vertical | Pass    |
| 3   | 4369.500        | 46.67            | -6.91       | 74.0           | 27.33       | Peak     | 309.00         | 150         | Vertical | Pass    |
| 3** | 4369.500        | 37.34            | -6.91       | 54.0           | 16.66       | AV       | 309.00         | 150         | Vertical | Pass    |
| 4   | 5746.250        | 94.70            | -5.27       | --             | --          | Peak     | 309.00         | 400         | Vertical | N/A     |
| 4** | 5746.250        | 88.27            | -5.27       | --             | --          | AV       | 309.00         | 400         | Vertical | N/A     |
| 5   | 7485.000        | 53.01            | -0.46       | 74.0           | 20.99       | Peak     | 236.00         | 100         | Vertical | Pass    |
| 5** | 7485.000        | 44.51            | -0.46       | 54.0           | 9.49        | AV       | 236.00         | 100         | Vertical | Pass    |
| 6   | 12580.662       | 52.57            | 1.33        | 74.0           | 21.43       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 6** | 12580.662       | 44.48            | 1.33        | 54.0           | 9.52        | AV       | 0.00           | 100         | 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   | 1552.700        | 36.07            | -19.80      | 74.0           | 37.93       | Peak     | 17.00          | 200         | Horizontal | Pass    |
| 1** | 1552.700        | 26.53            | -19.80      | 54.0           | 27.47       | AV       | 17.00          | 200         | Horizontal | Pass    |
| 2   | 2780.600        | 42.71            | -13.03      | 74.0           | 31.29       | Peak     | 155.00         | 200         | Horizontal | Pass    |
| 2** | 2780.600        | 32.45            | -13.03      | 54.0           | 21.55       | AV       | 155.00         | 200         | Horizontal | Pass    |
| 3   | 4297.750        | 46.42            | -6.64       | 74.0           | 27.58       | Peak     | 172.00         | 200         | Horizontal | Pass    |
| 3** | 4297.750        | 36.93            | -6.64       | 54.0           | 17.07       | AV       | 172.00         | 200         | Horizontal | Pass    |
| 4   | 5787.500        | 101.78           | -4.74       | --             | -11.78      | Peak     | 90.00          | 300         | Horizontal | N/A     |
| 4** | 5787.500        | 94.70            | -4.74       | --             | -94.70      | AV       | 90.00          | 300         | Horizontal | N/A     |
| 5   | 7496.750        | 52.75            | -0.55       | 74.0           | 21.25       | Peak     | 57.00          | 200         | Horizontal | Pass    |
| 5** | 7496.750        | 44.50            | -0.55       | 54.0           | 9.50        | AV       | 57.00          | 200         | Horizontal | Pass    |
| 6   | 12427.713       | 52.42            | 0.63        | 74.0           | 21.58       | Peak     | 113.00         | 200         | Horizontal | Pass    |
| 6** | 12427.713       | 43.91            | 0.63        | 54.0           | 10.09       | AV       | 113.00         | 200         | 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   | 1551.600        | 37.53            | -19.79      | 74.0           | 36.47       | Peak     | 182.00         | 100         | Vertical | Pass    |
| 1** | 1551.600        | 26.95            | -19.79      | 54.0           | 27.05       | AV       | 182.00         | 100         | Vertical | Pass    |
| 2   | 2751.000        | 42.10            | -12.92      | 74.0           | 31.90       | Peak     | 350.00         | 400         | Vertical | Pass    |
| 2** | 2751.000        | 32.13            | -12.92      | 54.0           | 21.87       | AV       | 350.00         | 400         | Vertical | Pass    |
| 3   | 4285.250        | 46.46            | -6.79       | 74.0           | 27.54       | Peak     | 209.00         | 100         | Vertical | Pass    |
| 3** | 4285.250        | 36.37            | -6.79       | 54.0           | 17.63       | AV       | 209.00         | 100         | Vertical | Pass    |
| 4   | 5783.250        | 95.03            | -4.70       | --             | --          | Peak     | 201.00         | 200         | Vertical | N/A     |
| 4** | 5783.250        | 87.40            | -4.70       | --             | --          | AV       | 201.00         | 200         | Vertical | N/A     |
| 5   | 7529.250        | 52.55            | -0.75       | 74.0           | 21.45       | Peak     | 192.00         | 200         | Vertical | Pass    |
| 5** | 7529.250        | 43.88            | -0.75       | 54.0           | 10.12       | AV       | 192.00         | 200         | Vertical | Pass    |
| 6   | 12586.599       | 52.30            | 1.27        | 74.0           | 21.70       | Peak     | 317.00         | 400         | Vertical | Pass    |
| 6** | 12586.599       | 43.08            | 1.27        | 54.0           | 10.92       | AV       | 317.00         | 400         | 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   | 1497.500        | 35.95            | -19.52      | 74.0           | 38.05       | Peak     | 311.00         | 150         | Horizontal | Pass    |
| 1** | 1497.500        | 26.22            | -19.52      | 54.0           | 27.78       | AV       | 311.00         | 150         | Horizontal | Pass    |
| 2   | 2747.700        | 42.44            | -12.83      | 74.0           | 31.56       | Peak     | 311.00         | 300         | Horizontal | Pass    |
| 2** | 2747.700        | 32.10            | -12.83      | 54.0           | 21.90       | AV       | 311.00         | 300         | Horizontal | Pass    |
| 3   | 4115.000        | 46.73            | -7.20       | 74.0           | 27.27       | Peak     | 335.00         | 100         | Horizontal | Pass    |
| 3** | 4115.000        | 36.49            | -7.20       | 54.0           | 17.51       | AV       | 335.00         | 100         | Horizontal | Pass    |
| 4   | 5823.500        | 102.34           | -4.71       | --             | --          | Peak     | 95.00          | 100         | Horizontal | N/A     |
| 4** | 5823.500        | 94.52            | -4.71       | --             | --          | AV       | 95.00          | 100         | Horizontal | N/A     |
| 5   | 7500.000        | 53.50            | -0.74       | 74.0           | 20.50       | Peak     | 179.00         | 200         | Horizontal | Pass    |
| 5** | 7500.000        | 45.00            | -0.74       | 54.0           | 9.00        | AV       | 179.00         | 200         | Horizontal | Pass    |
| 6   | 12373.088       | 52.91            | 0.54        | 74.0           | 21.09       | Peak     | 342.00         | 300         | Horizontal | Pass    |
| 6** | 12373.088       | 42.85            | 0.54        | 54.0           | 11.15       | AV       | 342.00         | 300         | 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   | 1482.000        | 36.42            | -19.64      | 74.0           | 37.58       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 1** | 1482.000        | 27.13            | -19.64      | 54.0           | 26.87       | AV       | 360.00         | 300         | Vertical | Pass    |
| 2   | 2840.100        | 42.39            | -12.48      | 74.0           | 31.61       | Peak     | 239.00         | 300         | Vertical | Pass    |
| 2** | 2840.100        | 32.58            | -12.48      | 54.0           | 21.42       | AV       | 239.00         | 300         | Vertical | Pass    |
| 3   | 4344.750        | 47.66            | -6.38       | 74.0           | 26.34       | Peak     | 339.00         | 150         | Vertical | Pass    |
| 3** | 4344.750        | 38.23            | -6.38       | 54.0           | 15.77       | AV       | 339.00         | 150         | Vertical | Pass    |
| 4   | 5824.250        | 94.24            | -4.74       | --             | --          | Peak     | 198.00         | 200         | Vertical | N/A     |
| 4** | 5824.250        | 87.26            | -4.74       | --             | --          | AV       | 198.00         | 200         | Vertical | N/A     |
| 5   | 7495.000        | 52.92            | -0.41       | 74.0           | 21.08       | Peak     | 290.00         | 100         | Vertical | Pass    |
| 5** | 7495.000        | 45.01            | -0.41       | 54.0           | 8.99        | AV       | 290.00         | 100         | Vertical | Pass    |
| 6   | 12582.325       | 53.03            | 1.31        | 74.0           | 20.97       | Peak     | 147.00         | 100         | Vertical | Pass    |
| 6** | 12582.325       | 44.10            | 1.31        | 54.0           | 9.90        | AV       | 147.00         | 100         | 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   | 1521.500        | 36.62            | -19.54      | 74.0           | 37.38       | Peak     | 78.00          | 100         | Horizontal | Pass    |
| 1** | 1521.500        | 27.05            | -19.54      | 54.0           | 26.95       | AV       | 78.00          | 100         | Horizontal | Pass    |
| 2   | 2869.600        | 41.94            | -12.43      | 74.0           | 32.06       | Peak     | 232.00         | 200         | Horizontal | Pass    |
| 2** | 2869.600        | 33.33            | -12.43      | 54.0           | 20.67       | AV       | 232.00         | 200         | Horizontal | Pass    |
| 3   | 4343.000        | 46.88            | -6.26       | 74.0           | 27.12       | Peak     | 4.00           | 200         | Horizontal | Pass    |
| 3** | 4343.000        | 38.27            | -6.26       | 54.0           | 15.73       | AV       | 4.00           | 200         | Horizontal | Pass    |
| 4   | 5752.250        | 98.57            | -5.27       | --             | --          | Peak     | 95.00          | 400         | Horizontal | N/A     |
| 4** | 5752.250        | 91.02            | -5.27       | --             | --          | AV       | 95.00          | 400         | Horizontal | N/A     |
| 5   | 7498.750        | 53.38            | -0.68       | 74.0           | 20.62       | Peak     | 29.00          | 200         | Horizontal | Pass    |
| 5** | 7498.750        | 44.65            | -0.68       | 54.0           | 9.35        | AV       | 29.00          | 200         | Horizontal | Pass    |
| 6   | 12602.512       | 52.29            | 1.13        | 74.0           | 21.71       | Peak     | 149.00         | 300         | Horizontal | Pass    |
| 6** | 12602.512       | 43.11            | 1.13        | 54.0           | 10.89       | AV       | 149.00         | 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   | 1606.100        | 36.73            | -19.89      | 74.0           | 37.27       | Peak     | 206.00         | 100         | Vertical | Pass    |
| 1** | 1606.100        | 27.03            | -19.89      | 54.0           | 26.97       | AV       | 206.00         | 100         | Vertical | Pass    |
| 2   | 2792.400        | 42.42            | -12.56      | 74.0           | 31.58       | Peak     | 221.00         | 400         | Vertical | Pass    |
| 2** | 2792.400        | 32.38            | -12.56      | 54.0           | 21.62       | AV       | 221.00         | 400         | Vertical | Pass    |
| 3   | 4352.500        | 47.10            | -6.62       | 74.0           | 26.90       | Peak     | 83.00          | 100         | Vertical | Pass    |
| 3** | 4352.500        | 38.13            | -6.62       | 54.0           | 15.87       | AV       | 83.00          | 100         | Vertical | Pass    |
| 4   | 5751.750        | 91.79            | -5.26       | --             | --          | Peak     | 313.00         | 400         | Vertical | N/A     |
| 4** | 5751.750        | 83.88            | -5.26       | --             | --          | AV       | 313.00         | 400         | Vertical | N/A     |
| 5   | 7532.750        | 52.91            | -0.51       | 74.0           | 21.09       | Peak     | 215.00         | 200         | Vertical | Pass    |
| 5** | 7532.750        | 43.17            | -0.51       | 54.0           | 10.83       | AV       | 215.00         | 200         | Vertical | Pass    |
| 6   | 12608.687       | 52.65            | 1.08        | 74.0           | 21.35       | Peak     | 86.00          | 400         | Vertical | Pass    |
| 6** | 12608.687       | 43.33            | 1.08        | 54.0           | 10.67       | AV       | 86.00          | 400         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1538.800        | 36.26            | -19.84      | 74.0           | 37.74       | Peak     | 297.00         | 100         | Horizontal | Pass    |
| 1** | 1538.800        | 26.95            | -19.84      | 54.0           | 27.05       | AV       | 297.00         | 100         | Horizontal | Pass    |
| 2   | 2853.600        | 42.84            | -12.26      | 74.0           | 31.16       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 2** | 2853.600        | 33.05            | -12.26      | 54.0           | 20.95       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 3   | 4321.750        | 47.54            | -5.93       | 74.0           | 26.46       | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 3** | 4321.750        | 38.76            | -5.93       | 54.0           | 15.24       | AV       | 228.00         | 150         | Horizontal | Pass    |
| 4   | 5796.500        | 99.95            | -4.66       | --             | --          | Peak     | 88.00          | 400         | Horizontal | N/A     |
| 4** | 5796.500        | 92.75            | -4.66       | --             | --          | AV       | 88.00          | 400         | Horizontal | N/A     |
| 5   | 7705.250        | 53.49            | -1.45       | 74.0           | 20.51       | Peak     | 54.00          | 150         | Horizontal | Pass    |
| 5** | 7705.250        | 45.26            | -1.45       | 54.0           | 8.74        | AV       | 54.00          | 150         | Horizontal | Pass    |
| 6   | 12579.474       | 52.88            | 1.34        | 74.0           | 21.12       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 12579.474       | 43.43            | 1.34        | 54.0           | 10.57       | AV       | 360.00         | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1511.500        | 36.70            | -19.63      | 74.0           | 37.30       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 1** | 1511.500        | 27.53            | -19.63      | 54.0           | 26.47       | AV       | 360.00         | 400         | Vertical | Pass    |
| 2   | 2854.800        | 42.22            | -12.30      | 74.0           | 31.78       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 2** | 2854.800        | 33.71            | -12.30      | 54.0           | 20.29       | AV       | 360.00         | 400         | Vertical | Pass    |
| 3   | 4346.000        | 46.87            | -6.48       | 74.0           | 27.13       | Peak     | 158.00         | 150         | Vertical | Pass    |
| 3** | 4346.000        | 37.49            | -6.48       | 54.0           | 16.51       | AV       | 158.00         | 150         | Vertical | Pass    |
| 4   | 5797.000        | 92.24            | -4.65       | --             | --          | Peak     | 281.00         | 300         | Vertical | N/A     |
| 4** | 5797.000        | 85.22            | -4.65       | --             | --          | AV       | 281.00         | 300         | Vertical | N/A     |
| 5   | 7493.500        | 52.72            | -0.42       | 74.0           | 21.28       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 5** | 7493.500        | 44.68            | -0.42       | 54.0           | 9.32        | AV       | 0.00           | 200         | Vertical | Pass    |
| 6   | 12297.088       | 52.61            | 0.64        | 74.0           | 21.39       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 6** | 12297.088       | 44.39            | 0.64        | 54.0           | 9.61        | AV       | 360.00         | 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   | 1446.500        | 37.99            | -19.72      | 74.0           | 36.01       | Peak     | 159.00         | 400         | Horizontal | Pass    |
| 1** | 1446.500        | 26.89            | -19.72      | 54.0           | 27.11       | AV       | 159.00         | 400         | Horizontal | Pass    |
| 2   | 2852.200        | 42.01            | -12.17      | 74.0           | 31.99       | Peak     | 198.00         | 400         | Horizontal | Pass    |
| 2** | 2852.200        | 33.05            | -12.17      | 54.0           | 20.95       | AV       | 198.00         | 400         | Horizontal | Pass    |
| 3   | 4382.250        | 47.38            | -7.45       | 74.0           | 26.62       | Peak     | 132.00         | 150         | Horizontal | Pass    |
| 3** | 4382.250        | 37.48            | -7.45       | 54.0           | 16.52       | AV       | 132.00         | 150         | Horizontal | Pass    |
| 4   | 5743.750        | 101.32           | -5.35       | --             | --          | Peak     | 91.00          | 100         | Horizontal | N/A     |
| 4** | 5743.750        | 94.33            | -5.35       | --             | --          | AV       | 91.00          | 100         | Horizontal | N/A     |
| 5   | 7708.500        | 53.62            | -1.49       | 74.0           | 20.38       | Peak     | 338.00         | 100         | Horizontal | Pass    |
| 5** | 7708.500        | 43.65            | -1.49       | 54.0           | 10.35       | AV       | 338.00         | 100         | Horizontal | Pass    |
| 6   | 12461.438       | 52.93            | 0.80        | 74.0           | 21.07       | Peak     | 302.00         | 200         | Horizontal | Pass    |
| 6** | 12461.438       | 42.82            | 0.80        | 54.0           | 11.18       | AV       | 302.00         | 200         | 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   | 1480.400        | 36.18            | -19.69      | 74.0           | 37.82       | Peak     | 254.00         | 100         | Vertical | Pass    |
| 1** | 1480.400        | 27.29            | -19.69      | 54.0           | 26.71       | AV       | 254.00         | 100         | Vertical | Pass    |
| 2   | 2826.000        | 42.12            | -12.63      | 74.0           | 31.88       | Peak     | 269.00         | 100         | Vertical | Pass    |
| 2** | 2826.000        | 32.76            | -12.63      | 54.0           | 21.24       | AV       | 269.00         | 100         | Vertical | Pass    |
| 3   | 4361.500        | 46.48            | -6.69       | 74.0           | 27.52       | Peak     | 139.00         | 200         | Vertical | Pass    |
| 3** | 4361.500        | 37.23            | -6.69       | 54.0           | 16.77       | AV       | 139.00         | 200         | Vertical | Pass    |
| 4   | 5746.750        | 94.83            | -5.28       | --             | --          | Peak     | 313.00         | 100         | Vertical | N/A     |
| 4** | 5746.750        | 87.50            | -5.28       | --             | --          | AV       | 313.00         | 100         | Vertical | N/A     |
| 5   | 7490.750        | 53.12            | -0.33       | 74.0           | 20.88       | Peak     | 330.00         | 200         | Vertical | Pass    |
| 5** | 7490.750        | 45.15            | -0.33       | 54.0           | 8.85        | AV       | 330.00         | 200         | Vertical | Pass    |
| 6   | 12555.013       | 53.44            | 1.56        | 74.0           | 20.56       | Peak     | 233.00         | 100         | Vertical | Pass    |
| 6** | 12555.013       | 43.45            | 1.56        | 54.0           | 10.55       | AV       | 233.00         | 100         | 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   | 1515.500        | 36.13            | -19.65      | 74.0           | 37.87       | Peak     | 301.00         | 200         | Horizontal | Pass    |
| 1** | 1515.500        | 27.00            | -19.65      | 54.0           | 27.00       | AV       | 301.00         | 200         | Horizontal | Pass    |
| 2   | 2889.900        | 42.17            | -12.16      | 74.0           | 31.83       | Peak     | 232.00         | 200         | Horizontal | Pass    |
| 2** | 2889.900        | 32.82            | -12.16      | 54.0           | 21.18       | AV       | 232.00         | 200         | Horizontal | Pass    |
| 3   | 4354.000        | 46.56            | -6.60       | 74.0           | 27.44       | Peak     | 270.00         | 150         | Horizontal | Pass    |
| 3** | 4354.000        | 38.05            | -6.60       | 54.0           | 15.95       | AV       | 270.00         | 150         | Horizontal | Pass    |
| 4   | 5786.250        | 102.17           | -4.72       | --             | --          | Peak     | 94.00          | 100         | Horizontal | N/A     |
| 4** | 5786.250        | 94.98            | -4.72       | --             | --          | AV       | 94.00          | 100         | Horizontal | N/A     |
| 5   | 7490.750        | 53.27            | -0.33       | 74.0           | 20.73       | Peak     | 243.00         | 100         | Horizontal | Pass    |
| 5** | 7490.750        | 44.28            | -0.33       | 54.0           | 9.72        | AV       | 243.00         | 100         | Horizontal | Pass    |
| 6   | 12550.737       | 52.48            | 1.60        | 74.0           | 21.52       | Peak     | 105.00         | 200         | Horizontal | Pass    |
| 6** | 12550.737       | 43.13            | 1.60        | 54.0           | 10.87       | AV       | 105.00         | 200         | 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   | 1483.900        | 36.37            | -19.58      | 74.0           | 37.63       | Peak     | 9.00           | 100         | Vertical | Pass    |
| 1** | 1483.900        | 27.34            | -19.58      | 54.0           | 26.66       | AV       | 9.00           | 100         | Vertical | Pass    |
| 2   | 2847.400        | 42.79            | -12.23      | 74.0           | 31.21       | Peak     | 299.00         | 300         | Vertical | Pass    |
| 2** | 2847.400        | 32.27            | -12.23      | 54.0           | 21.73       | AV       | 299.00         | 300         | Vertical | Pass    |
| 3   | 4314.250        | 46.98            | -6.00       | 74.0           | 27.02       | Peak     | 248.00         | 200         | Vertical | Pass    |
| 3** | 4314.250        | 37.07            | -6.00       | 54.0           | 16.93       | AV       | 248.00         | 200         | Vertical | Pass    |
| 4   | 5787.750        | 94.45            | -4.74       | --             | --          | Peak     | 314.00         | 200         | Vertical | N/A     |
| 4** | 5787.750        | 86.12            | -4.74       | --             | --          | AV       | 314.00         | 200         | Vertical | N/A     |
| 5   | 7597.750        | 53.05            | -0.40       | 74.0           | 20.95       | Peak     | 298.00         | 200         | Vertical | Pass    |
| 5** | 7597.750        | 44.33            | -0.40       | 54.0           | 9.67        | AV       | 298.00         | 200         | Vertical | Pass    |
| 6   | 12265.026       | 52.51            | 0.45        | 74.0           | 21.49       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 6** | 12265.026       | 42.41            | 0.45        | 54.0           | 11.59       | AV       | 360.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1481.600        | 37.05            | -19.66      | 74.0           | 36.95       | Peak     | 250.00         | 100         | Horizontal | Pass    |
| 1** | 1481.600        | 27.19            | -19.66      | 54.0           | 26.81       | AV       | 250.00         | 100         | Horizontal | Pass    |
| 2   | 2860.700        | 43.37            | -12.38      | 74.0           | 30.63       | Peak     | 357.00         | 400         | Horizontal | Pass    |
| 2** | 2860.700        | 32.72            | -12.38      | 54.0           | 21.28       | AV       | 357.00         | 400         | Horizontal | Pass    |
| 3   | 4336.750        | 46.45            | -6.09       | 74.0           | 27.55       | Peak     | 92.00          | 200         | Horizontal | Pass    |
| 3** | 4336.750        | 38.04            | -6.09       | 54.0           | 15.96       | AV       | 92.00          | 200         | Horizontal | Pass    |
| 4   | 5822.250        | 102.22           | -4.69       | --             | --          | Peak     | 92.00          | 300         | Horizontal | N/A     |
| 4** | 5822.250        | 94.45            | -4.69       | --             | --          | AV       | 92.00          | 300         | Horizontal | N/A     |
| 5   | 7495.500        | 53.27            | -0.45       | 74.0           | 20.73       | Peak     | 198.00         | 100         | Horizontal | Pass    |
| 5** | 7495.500        | 44.45            | -0.45       | 54.0           | 9.55        | AV       | 198.00         | 100         | Horizontal | Pass    |
| 6   | 12274.525       | 52.55            | 0.51        | 74.0           | 21.45       | Peak     | 328.00         | 300         | Horizontal | Pass    |
| 6** | 12274.525       | 42.95            | 0.51        | 54.0           | 11.05       | AV       | 328.00         | 300         | 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   | 1500.900        | 36.75            | -19.49      | 74.0           | 37.25       | Peak     | 144.00         | 200         | Vertical | Pass    |
| 1** | 1500.900        | 26.53            | -19.49      | 54.0           | 27.47       | AV       | 144.00         | 200         | Vertical | Pass    |
| 2   | 2870.800        | 42.40            | -12.40      | 74.0           | 31.60       | Peak     | 83.00          | 300         | Vertical | Pass    |
| 2** | 2870.800        | 33.89            | -12.40      | 54.0           | 20.11       | AV       | 83.00          | 300         | Vertical | Pass    |
| 3   | 4337.250        | 46.57            | -6.09       | 74.0           | 27.43       | Peak     | 198.00         | 150         | Vertical | Pass    |
| 3** | 4337.250        | 37.41            | -6.09       | 54.0           | 16.59       | AV       | 198.00         | 150         | Vertical | Pass    |
| 4   | 5823.750        | 94.46            | -4.72       | --             | --          | Peak     | 206.00         | 100         | Vertical | N/A     |
| 4** | 5823.750        | 88.17            | -4.72       | --             | --          | AV       | 206.00         | 100         | Vertical | N/A     |
| 5   | 7484.250        | 52.95            | -0.51       | 74.0           | 21.05       | Peak     | 231.00         | 100         | Vertical | Pass    |
| 5** | 7484.250        | 44.62            | -0.51       | 54.0           | 9.38        | AV       | 231.00         | 100         | Vertical | Pass    |
| 6   | 12363.588       | 52.46            | 0.62        | 74.0           | 21.54       | Peak     | 349.00         | 300         | Vertical | Pass    |
| 6** | 12363.588       | 43.86            | 0.62        | 54.0           | 10.14       | AV       | 349.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1609.300        | 36.47            | -19.92      | 74.0           | 37.53       | Peak     | 72.00          | 400         | Horizontal | Pass    |
| 1** | 1609.300        | 26.77            | -19.92      | 54.0           | 27.23       | AV       | 72.00          | 400         | Horizontal | Pass    |
| 2   | 2838.200        | 42.02            | -12.54      | 74.0           | 31.98       | Peak     | 281.00         | 300         | Horizontal | Pass    |
| 2** | 2838.200        | 32.39            | -12.54      | 54.0           | 21.61       | AV       | 281.00         | 300         | Horizontal | Pass    |
| 3   | 4303.250        | 47.49            | -6.53       | 74.0           | 26.51       | Peak     | 116.00         | 100         | Horizontal | Pass    |
| 3** | 4303.250        | 37.40            | -6.53       | 54.0           | 16.60       | AV       | 116.00         | 100         | Horizontal | Pass    |
| 4   | 5752.500        | 98.87            | -5.27       | --             | -7.87       | Peak     | 91.00          | 300         | Horizontal | N/A     |
| 4** | 5752.500        | 91.84            | -5.27       | --             | -91.84      | AV       | 91.00          | 300         | Horizontal | N/A     |
| 5   | 7482.250        | 53.56            | -0.73       | 74.0           | 20.44       | Peak     | 306.00         | 200         | Horizontal | Pass    |
| 5** | 7482.250        | 43.28            | -0.73       | 54.0           | 10.72       | AV       | 306.00         | 200         | Horizontal | Pass    |
| 6   | 12637.187       | 52.94            | 0.83        | 74.0           | 21.06       | Peak     | 78.00          | 200         | Horizontal | Pass    |
| 6** | 12637.187       | 43.55            | 0.83        | 54.0           | 10.45       | AV       | 78.00          | 200         | 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   | 1563.200        | 36.53            | -19.93      | 74.0           | 37.47       | Peak     | 32.00          | 300         | Vertical | Pass    |
| 1** | 1563.200        | 26.99            | -19.93      | 54.0           | 27.01       | AV       | 32.00          | 300         | Vertical | Pass    |
| 2   | 2873.100        | 42.34            | -12.45      | 74.0           | 31.66       | Peak     | 350.00         | 200         | Vertical | Pass    |
| 2** | 2873.100        | 32.74            | -12.45      | 54.0           | 21.26       | AV       | 350.00         | 200         | Vertical | Pass    |
| 3   | 4355.500        | 46.54            | -6.63       | 74.0           | 27.46       | Peak     | 155.00         | 150         | Vertical | Pass    |
| 3** | 4355.500        | 37.11            | -6.63       | 54.0           | 16.89       | AV       | 155.00         | 150         | Vertical | Pass    |
| 4   | 5753.500        | 91.79            | -5.25       | --             | --          | Peak     | 313.00         | 400         | Vertical | N/A     |
| 4** | 5753.500        | 84.10            | -5.25       | --             | --          | AV       | 313.00         | 400         | Vertical | N/A     |
| 5   | 7596.750        | 53.54            | -0.45       | 74.0           | 20.46       | Peak     | 355.00         | 100         | Vertical | Pass    |
| 5** | 7596.750        | 43.82            | -0.45       | 54.0           | 10.18       | AV       | 355.00         | 100         | Vertical | Pass    |
| 6   | 12582.799       | 52.76            | 1.31        | 74.0           | 21.24       | Peak     | 30.00          | 100         | Vertical | Pass    |
| 6** | 12582.799       | 43.16            | 1.31        | 54.0           | 10.84       | AV       | 30.00          | 100         | 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   | 1472.700        | 36.32            | -19.73      | 74.0           | 37.68       | Peak     | 133.00         | 200         | Horizontal | Pass    |
| 1** | 1472.700        | 27.18            | -19.73      | 54.0           | 26.82       | AV       | 133.00         | 200         | Horizontal | Pass    |
| 2   | 2719.700        | 42.30            | -12.19      | 74.0           | 31.70       | Peak     | 91.00          | 300         | Horizontal | Pass    |
| 2** | 2719.700        | 32.06            | -12.19      | 54.0           | 21.94       | AV       | 91.00          | 300         | Horizontal | Pass    |
| 3   | 4324.500        | 46.61            | -5.93       | 74.0           | 27.39       | Peak     | 189.00         | 150         | Horizontal | Pass    |
| 3** | 4324.500        | 37.59            | -5.93       | 54.0           | 16.41       | AV       | 189.00         | 150         | Horizontal | Pass    |
| 4   | 5796.500        | 99.94            | -4.66       | --             | --          | Peak     | 96.00          | 400         | Horizontal | N/A     |
| 4** | 5796.500        | 91.95            | -4.66       | --             | --          | AV       | 96.00          | 400         | Horizontal | N/A     |
| 5   | 7602.750        | 53.12            | -0.50       | 74.0           | 20.88       | Peak     | 206.00         | 200         | Horizontal | Pass    |
| 5** | 7602.750        | 43.58            | -0.50       | 54.0           | 10.42       | AV       | 206.00         | 200         | Horizontal | Pass    |
| 6   | 12610.588       | 52.51            | 1.06        | 74.0           | 21.49       | Peak     | 170.00         | 100         | Horizontal | Pass    |
| 6** | 12610.588       | 43.41            | 1.06        | 54.0           | 10.59       | AV       | 170.00         | 100         | 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   | 1472.100        | 36.30            | -19.74      | 74.0           | 37.70       | Peak     | 276.00         | 300         | Vertical | Pass    |
| 1** | 1472.100        | 27.69            | -19.74      | 54.0           | 26.31       | AV       | 276.00         | 300         | Vertical | Pass    |
| 2   | 2873.800        | 42.26            | -12.41      | 74.0           | 31.74       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 2873.800        | 33.73            | -12.41      | 54.0           | 20.27       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 4332.000        | 46.42            | -6.05       | 74.0           | 27.58       | Peak     | 30.00          | 150         | Vertical | Pass    |
| 3** | 4332.000        | 37.38            | -6.05       | 54.0           | 16.62       | AV       | 30.00          | 150         | Vertical | Pass    |
| 4   | 5793.000        | 91.89            | -4.73       | --             | --          | Peak     | 47.00          | 200         | Vertical | N/A     |
| 4** | 5793.000        | 84.12            | -4.73       | --             | --          | AV       | 47.00          | 200         | Vertical | N/A     |
| 5   | 7490.750        | 52.99            | -0.33       | 74.0           | 21.01       | Peak     | 188.00         | 150         | Vertical | Pass    |
| 5** | 7490.750        | 44.05            | -0.33       | 54.0           | 9.95        | AV       | 188.00         | 150         | Vertical | Pass    |
| 6   | 12362.162       | 52.50            | 0.63        | 74.0           | 21.50       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6** | 12362.162       | 43.78            | 0.63        | 54.0           | 10.22       | AV       | 0.00           | 200         | 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   | 1516.700        | 36.62            | -19.59      | 74.0           | 37.38       | Peak     | 331.00         | 200         | Horizontal | Pass    |
| 1** | 1516.700        | 27.05            | -19.59      | 54.0           | 26.95       | AV       | 331.00         | 200         | Horizontal | Pass    |
| 2   | 2767.600        | 42.43            | -12.78      | 74.0           | 31.57       | Peak     | 163.00         | 300         | Horizontal | Pass    |
| 2** | 2767.600        | 32.49            | -12.78      | 54.0           | 21.51       | AV       | 163.00         | 300         | Horizontal | Pass    |
| 3   | 4354.750        | 46.81            | -6.61       | 74.0           | 27.19       | Peak     | 262.00         | 100         | Horizontal | Pass    |
| 3** | 4354.750        | 39.18            | -6.61       | 54.0           | 14.82       | AV       | 262.00         | 100         | Horizontal | Pass    |
| 4   | 5777.500        | 95.43            | -4.66       | --             | --          | Peak     | 97.00          | 300         | Horizontal | N/A     |
| 4** | 5777.500        | 88.15            | -4.66       | --             | --          | AV       | 97.00          | 300         | Horizontal | N/A     |
| 5   | 7498.250        | 53.07            | -0.65       | 74.0           | 20.93       | Peak     | 15.00          | 100         | Horizontal | Pass    |
| 5** | 7498.250        | 44.49            | -0.65       | 54.0           | 9.51        | AV       | 15.00          | 100         | Horizontal | Pass    |
| 6   | 12569.975       | 53.05            | 1.43        | 74.0           | 20.95       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 6** | 12569.975       | 42.84            | 1.43        | 54.0           | 11.16       | AV       | 360.00         | 100         | 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   | 1491.800        | 36.40            | -19.45      | 74.0           | 37.60       | Peak     | 0.00           | 400         | Vertical | Pass    |
| 1** | 1491.800        | 27.12            | -19.45      | 54.0           | 26.88       | AV       | 0.00           | 400         | Vertical | Pass    |
| 2   | 2736.500        | 42.32            | -11.93      | 74.0           | 31.68       | Peak     | 21.00          | 400         | Vertical | Pass    |
| 2** | 2736.500        | 32.87            | -11.93      | 54.0           | 21.13       | AV       | 21.00          | 400         | Vertical | Pass    |
| 3   | 4345.500        | 46.26            | -6.46       | 74.0           | 27.74       | Peak     | 286.00         | 150         | Vertical | Pass    |
| 3** | 4345.500        | 37.17            | -6.46       | 54.0           | 16.83       | AV       | 286.00         | 150         | Vertical | Pass    |
| 4   | 5777.000        | 89.18            | -4.66       | --             | --          | Peak     | 311.00         | 200         | Vertical | N/A     |
| 4** | 5777.000        | 81.97            | -4.66       | --             | --          | AV       | 311.00         | 200         | Vertical | N/A     |
| 5   | 7502.000        | 52.80            | -0.86       | 74.0           | 21.20       | Peak     | 245.00         | 100         | Vertical | Pass    |
| 5** | 7502.000        | 44.52            | -0.86       | 54.0           | 9.48        | AV       | 245.00         | 100         | Vertical | Pass    |
| 6   | 12573.062       | 53.22            | 1.40        | 74.0           | 20.78       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 6** | 12573.062       | 43.08            | 1.40        | 54.0           | 10.92       | AV       | 360.00         | 400         | Vertical | Pass    |

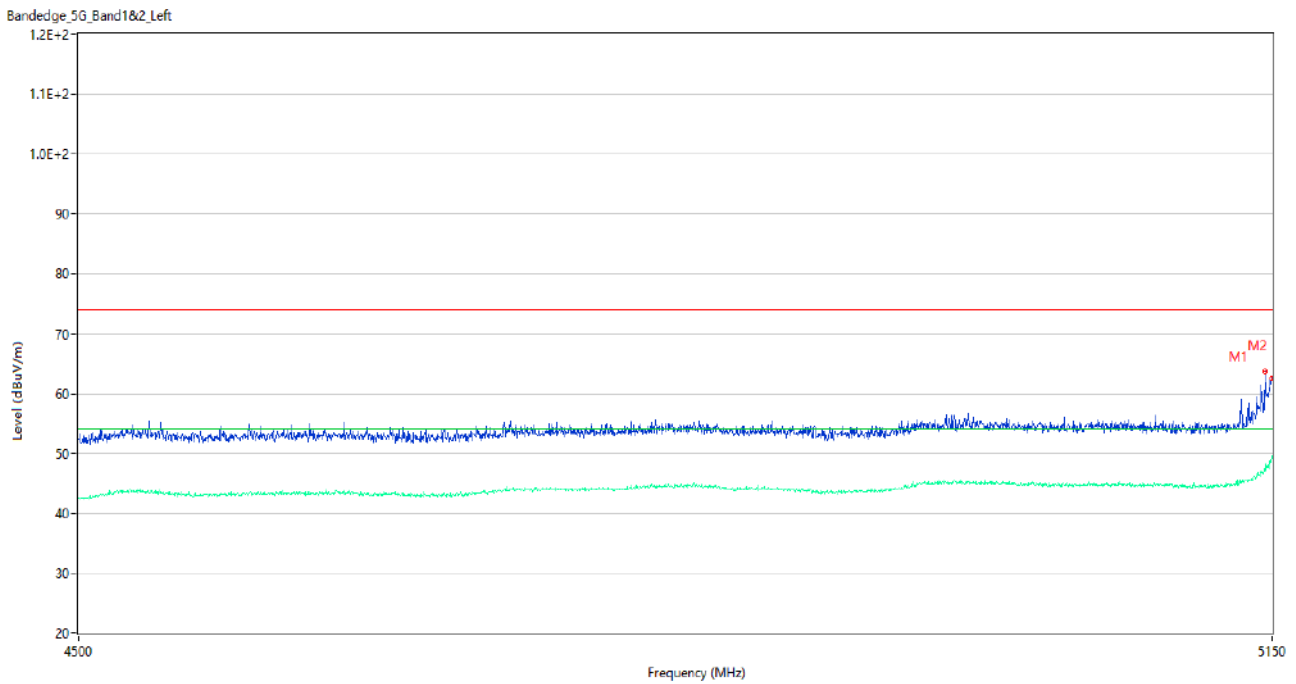
## A.6.2 Band Edge (Restricted-band)

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

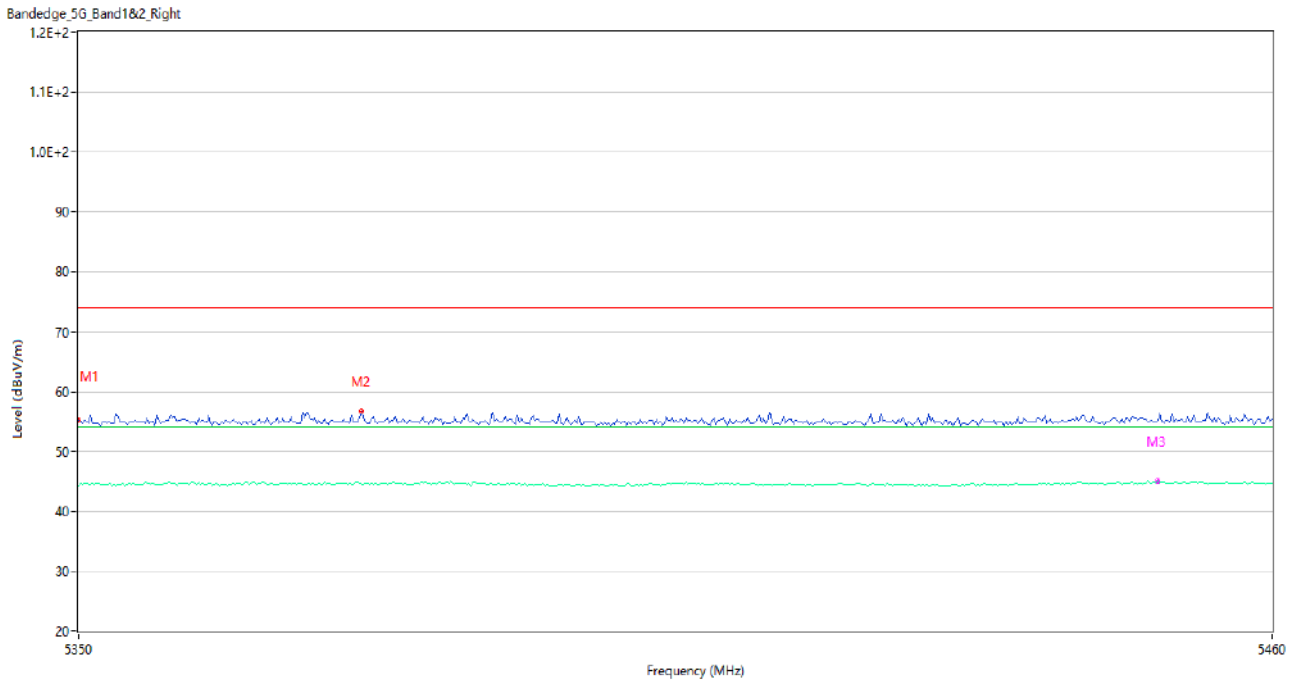
U-NII-1 11a Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5146.100        | 63.69            | 0.93        | 74.0           | 10.31       | Peak     | 161.00         | 100         | Horizontal | Pass    |
| 1** | 5146.100        | 47.00            | 0.93        | 54.0           | 7.00        | AV       | 161.00         | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 62.49            | 0.84        | 74.0           | 11.51       | Peak     | 167.00         | 100         | Horizontal | Pass    |
| 2** | 5150.000        | 49.59            | 0.84        | 54.0           | 4.41        | AV       | 167.00         | 100         | Horizontal | Pass    |

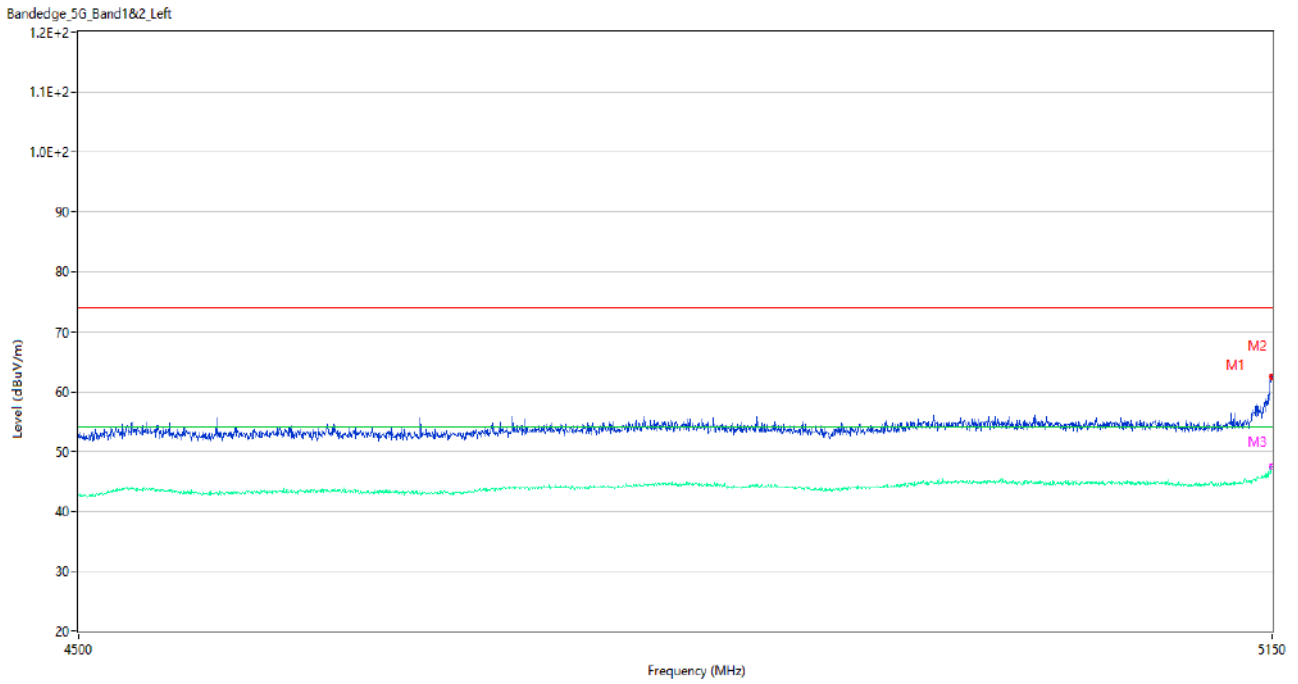


U-NII-1 11a High Channel



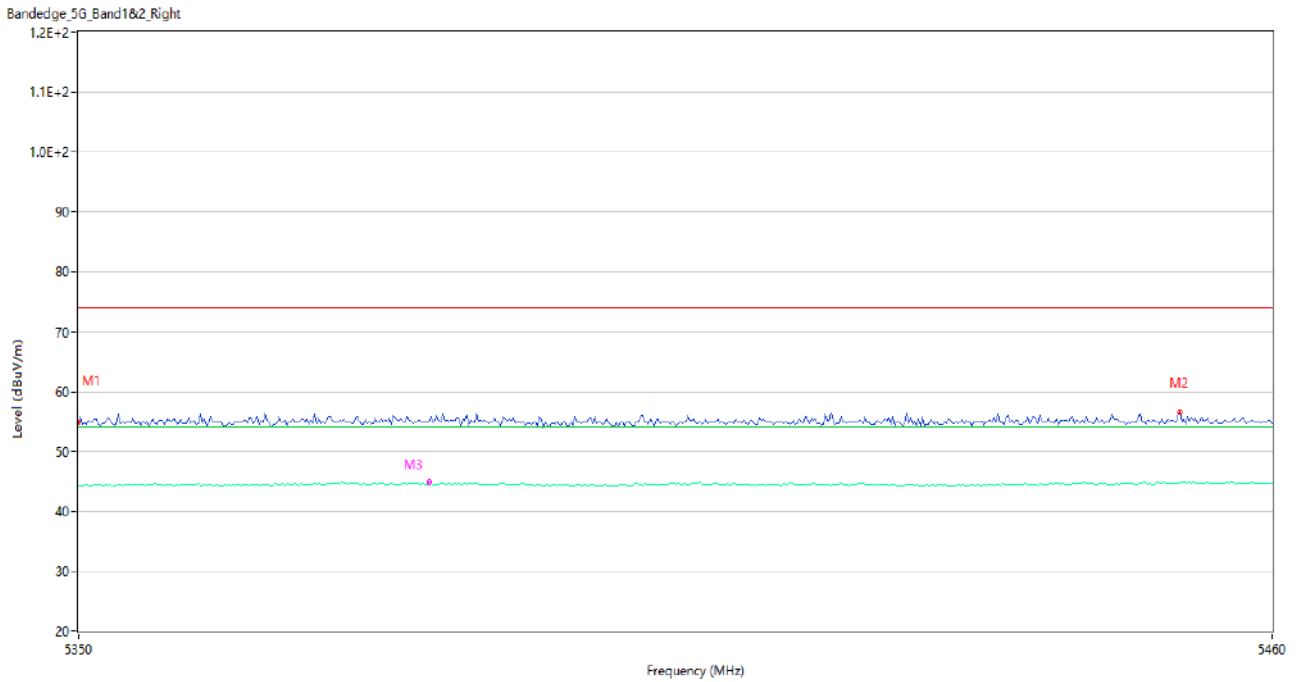
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.13            | 0.85        | 74.0           | 18.87       | Peak     | 162.00         | 200         | Horizontal | Pass    |
| 1** | 5350.000        | 44.35            | 0.85        | 54.0           | 9.65        | AV       | 162.00         | 200         | Horizontal | Pass    |
| 2   | 5375.850        | 56.63            | 0.78        | 74.0           | 17.37       | Peak     | 223.00         | 100         | Horizontal | Pass    |
| 2** | 5375.850        | 44.49            | 0.78        | 54.0           | 9.51        | AV       | 223.00         | 100         | Horizontal | Pass    |
| 3   | 5449.367        | 55.22            | 1.26        | 74.0           | 18.78       | Peak     | 133.00         | 100         | Horizontal | Pass    |
| 3** | 5449.367        | 45.04            | 1.26        | 54.0           | 8.96        | AV       | 133.00         | 100         | Horizontal | Pass    |

U-NII-1 11n20 Low Channel



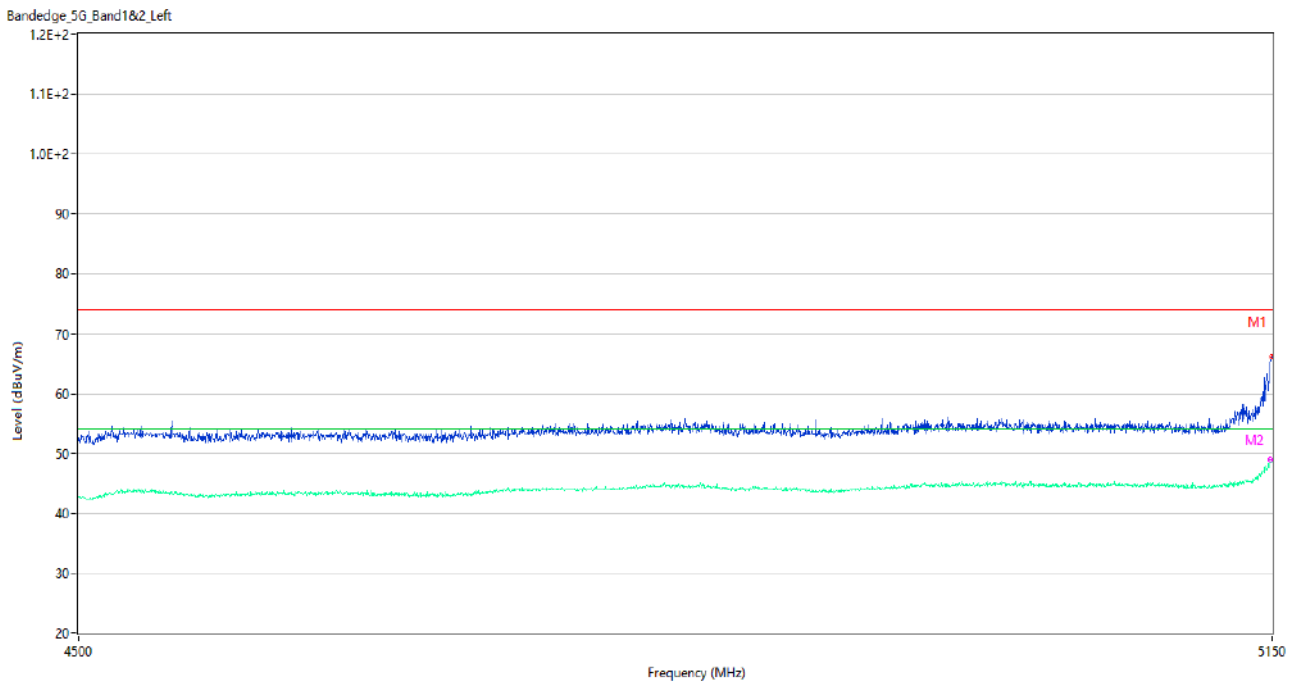
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.350        | 62.61            | 0.84        | 74.0           | 11.39       | Peak     | 94.00          | 200         | Horizontal | Pass    |
| 1** | 5149.350        | 46.32            | 0.84        | 54.0           | 7.68        | AV       | 94.00          | 200         | Horizontal | Pass    |
| 2   | 5150.000        | 62.45            | 0.84        | 74.0           | 11.55       | Peak     | 90.00          | 200         | Horizontal | Pass    |
| 2** | 5150.000        | 47.49            | 0.84        | 54.0           | 6.51        | AV       | 90.00          | 200         | Horizontal | Pass    |
| 3   | 5149.675        | 61.71            | 0.84        | 74.0           | 12.29       | Peak     | 87.00          | 150         | Horizontal | Pass    |
| 3** | 5149.675        | 47.55            | 0.84        | 54.0           | 6.45        | AV       | 87.00          | 150         | Horizontal | Pass    |

U-NII-1 11n20 High Channel



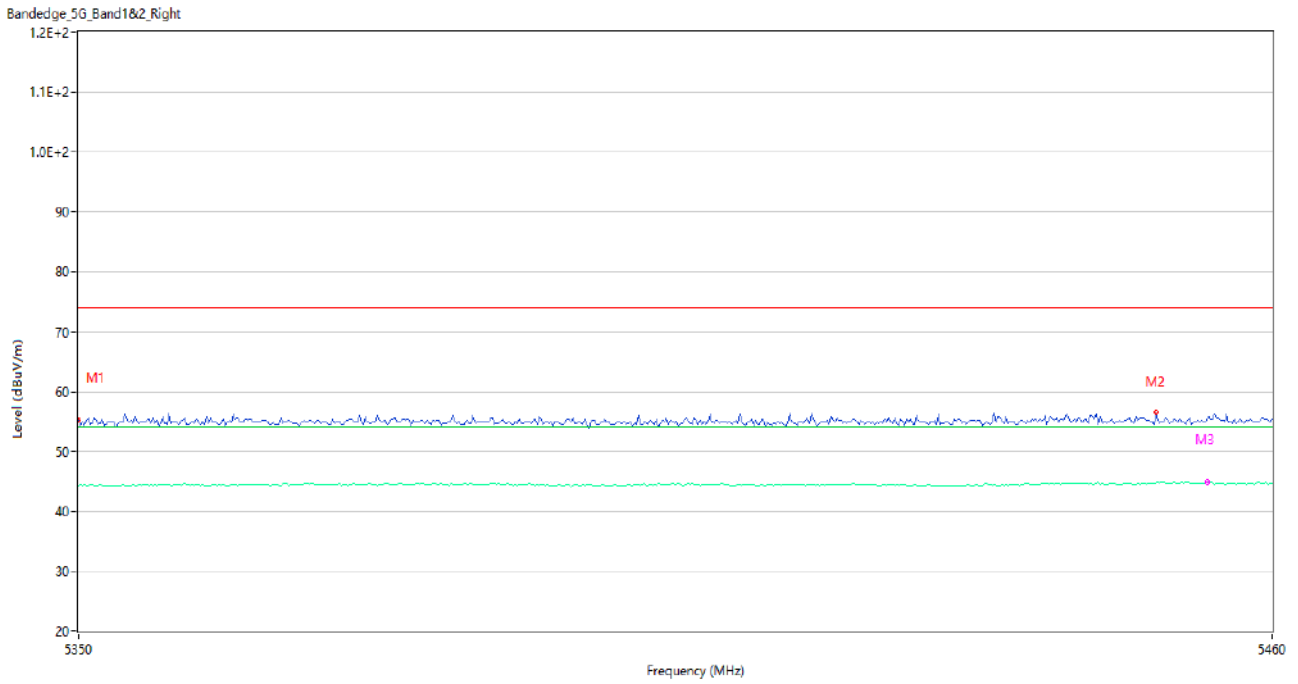
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 54.91            | 0.85        | 74.0           | 19.09       | Peak     | 82.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 44.37            | 0.85        | 54.0           | 9.63        | AV       | 82.00          | 100         | Horizontal | Pass    |
| 2   | 5451.383        | 56.49            | 1.27        | 74.0           | 17.51       | Peak     | 68.00          | 100         | Horizontal | Pass    |
| 2** | 5451.383        | 44.61            | 1.27        | 54.0           | 9.39        | AV       | 68.00          | 100         | Horizontal | Pass    |
| 3   | 5382.084        | 54.84            | 0.86        | 74.0           | 19.16       | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 3** | 5382.084        | 44.94            | 0.86        | 54.0           | 9.06        | AV       | 227.00         | 150         | Horizontal | Pass    |

U-NII-1 11n40 Low Channel



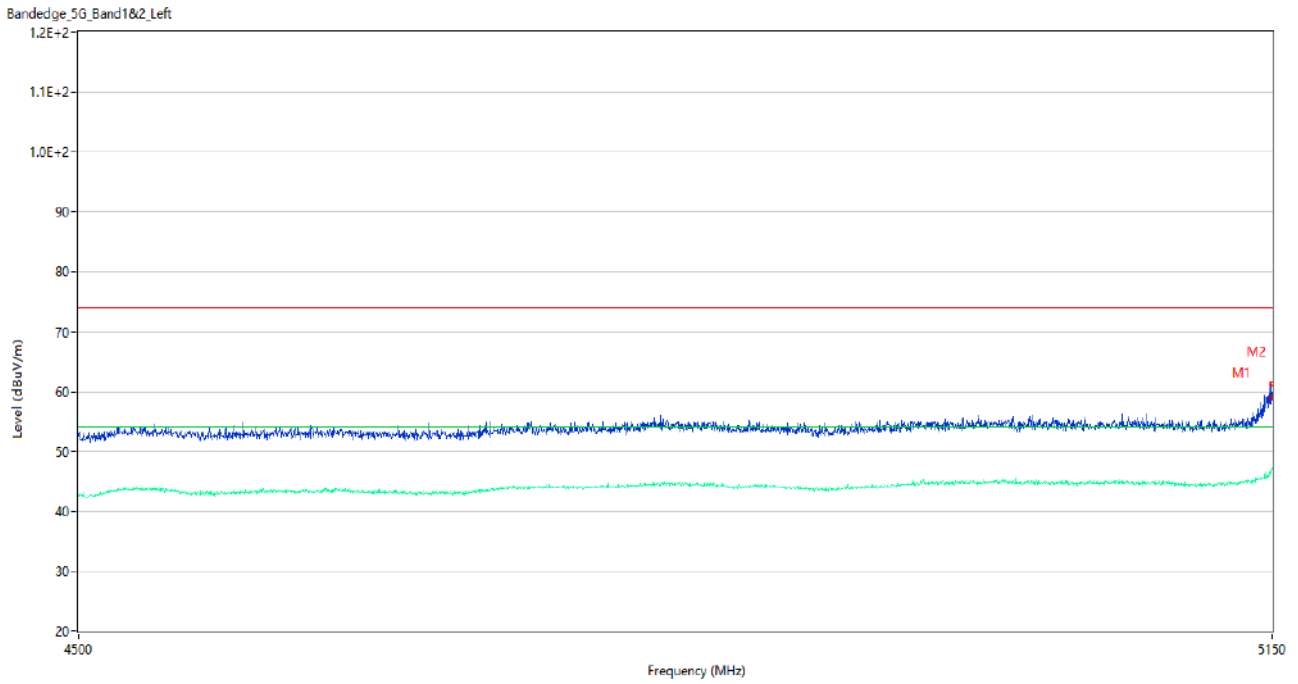
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5150.000        | 66.15            | 0.84        | 74.0           | 7.85        | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 1** | 5150.000        | 48.66            | 0.84        | 54.0           | 5.34        | AV       | 90.00          | 150         | Horizontal | Pass    |
| 2   | 5149.025        | 64.83            | 0.84        | 74.0           | 9.17        | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 2** | 5149.025        | 48.94            | 0.84        | 54.0           | 5.06        | AV       | 88.00          | 150         | Horizontal | Pass    |

U-NII-1 11n40 High Channel



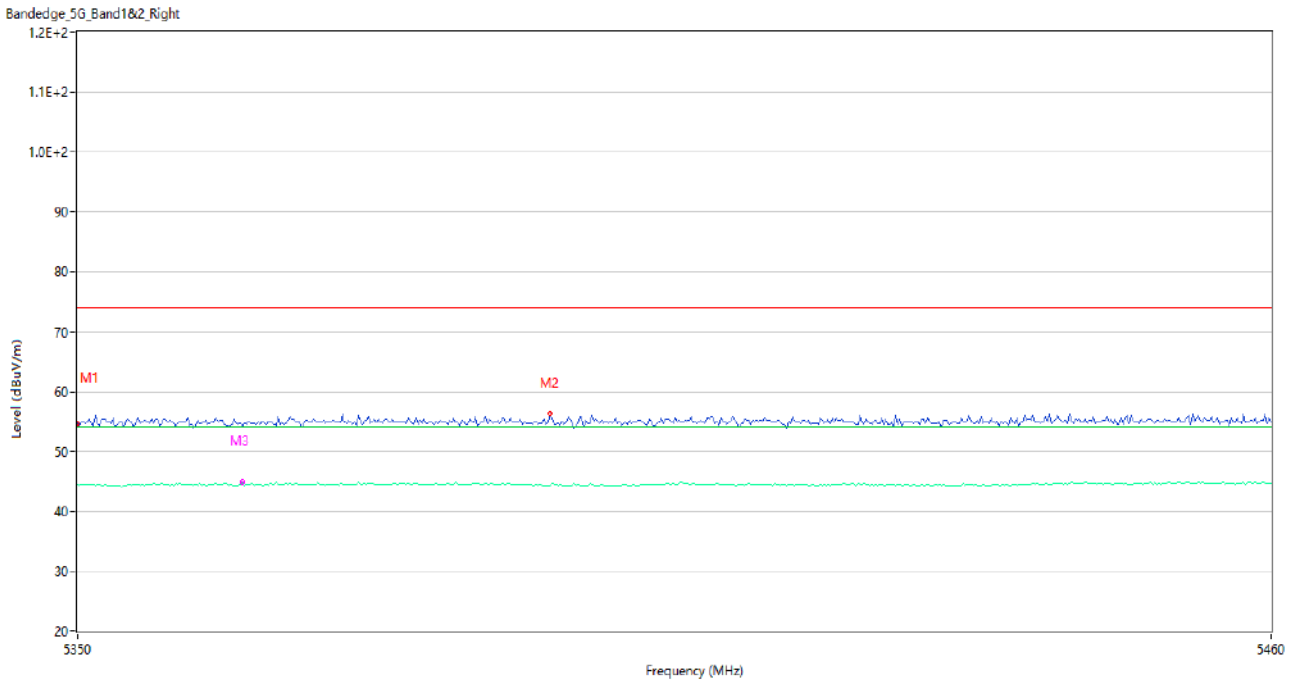
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.31            | 0.85        | 74.0           | 18.69       | Peak     | 175.00         | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 44.30            | 0.85        | 54.0           | 9.70        | AV       | 175.00         | 100         | Horizontal | Pass    |
| 2   | 5449.183        | 56.56            | 1.26        | 74.0           | 17.44       | Peak     | 87.00          | 200         | Horizontal | Pass    |
| 2** | 5449.183        | 44.62            | 1.26        | 54.0           | 9.38        | AV       | 87.00          | 200         | Horizontal | Pass    |
| 3   | 5453.950        | 55.63            | 1.23        | 74.0           | 18.37       | Peak     | 1.00           | 200         | Horizontal | Pass    |
| 3** | 5453.950        | 44.90            | 1.23        | 54.0           | 9.10        | AV       | 1.00           | 200         | Horizontal | Pass    |

U-NII-1 11ac20 Low Channel



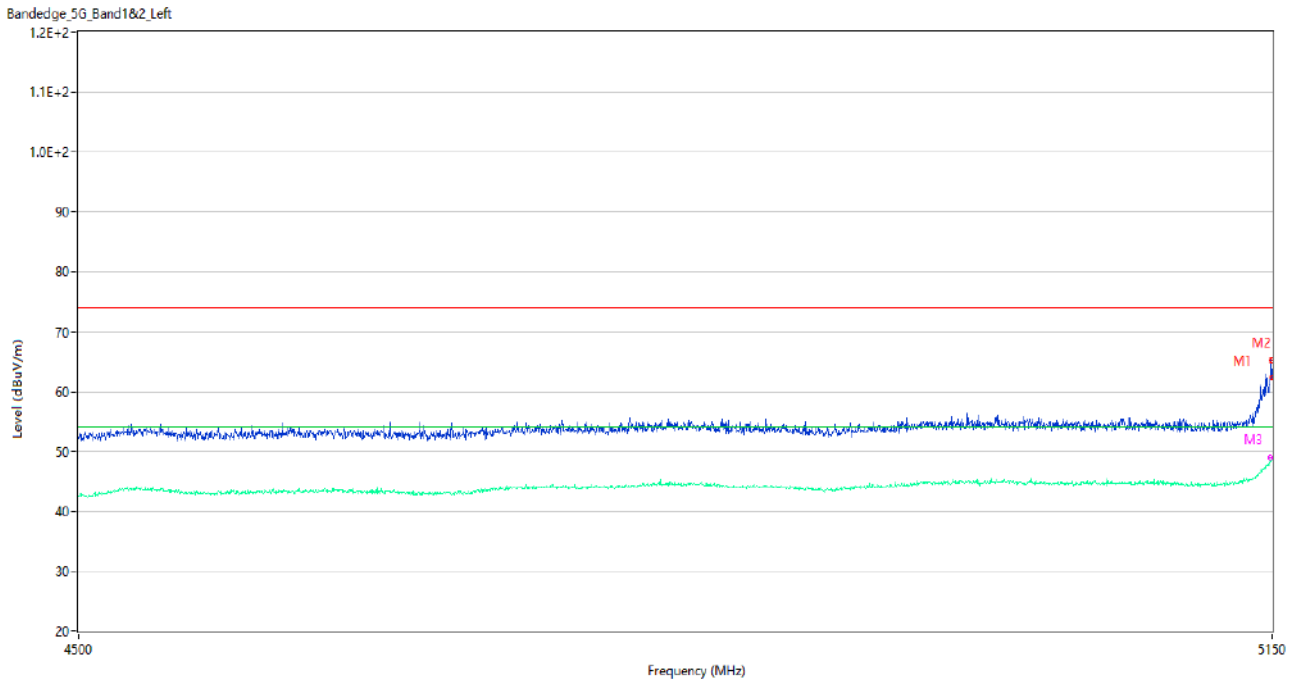
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.675        | 61.30            | 0.84        | 74.0           | 12.70       | Peak     | 90.00          | 100         | Horizontal | Pass    |
| 1** | 5149.675        | 46.31            | 0.84        | 54.0           | 7.69        | AV       | 90.00          | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 58.94            | 0.84        | 74.0           | 15.06       | Peak     | 175.00         | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 47.23            | 0.84        | 54.0           | 6.77        | AV       | 175.00         | 150         | Horizontal | Pass    |

U-NII-1 11ac20 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 54.60            | 0.85        | 74.0           | 19.40       | Peak     | 14.00          | 200         | Horizontal | Pass    |
| 1** | 5350.000        | 44.45            | 0.85        | 54.0           | 9.55        | AV       | 14.00          | 200         | Horizontal | Pass    |
| 2   | 5393.267        | 56.38            | 0.84        | 74.0           | 17.62       | Peak     | 83.00          | 200         | Horizontal | Pass    |
| 2** | 5393.267        | 44.31            | 0.84        | 54.0           | 9.69        | AV       | 83.00          | 200         | Horizontal | Pass    |
| 3   | 5365.033        | 54.17            | 0.80        | 74.0           | 19.83       | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 3** | 5365.033        | 44.92            | 0.80        | 54.0           | 9.08        | AV       | 90.00          | 150         | Horizontal | Pass    |

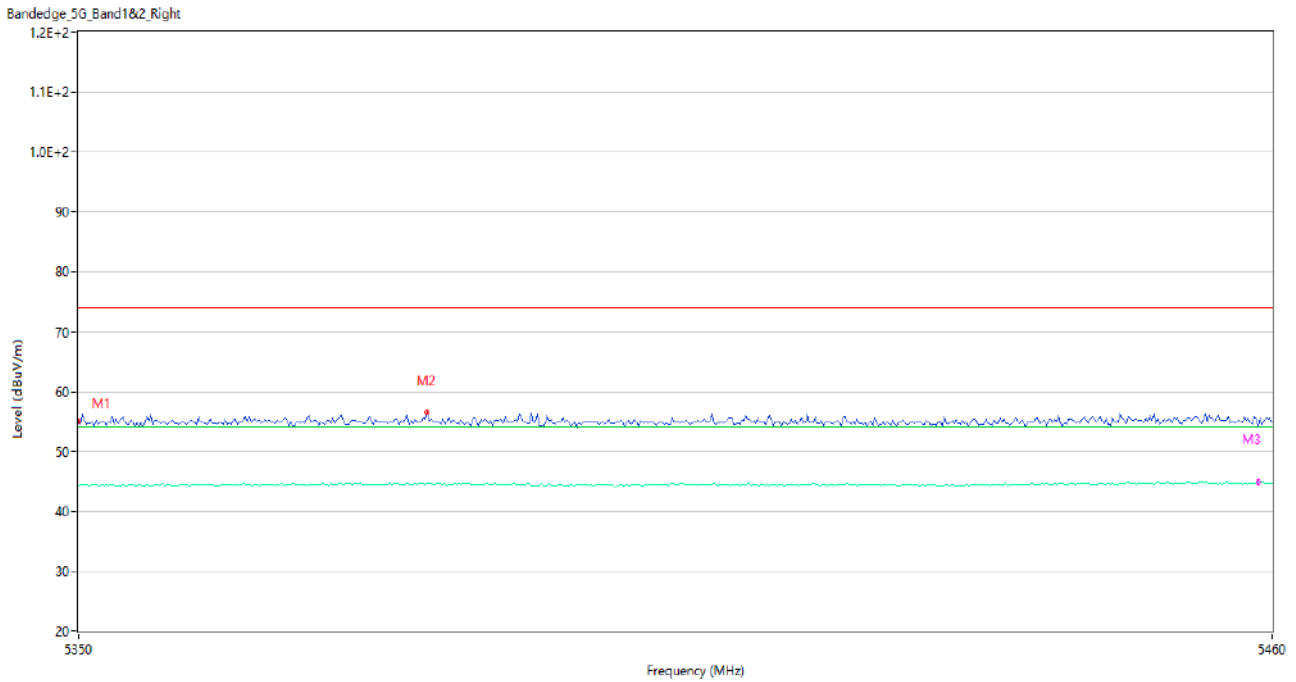
U-NII-1 11ac40 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.675        | 65.21            | 0.84        | 74.0           | 8.79        | Peak     | 101.00         | 200         | Horizontal | Pass    |
| 1** | 5149.675        | 48.34            | 0.84        | 54.0           | 5.66        | AV       | 101.00         | 200         | Horizontal | Pass    |
| 2   | 5150.000        | 62.37            | 0.84        | 74.0           | 11.63       | Peak     | 110.00         | 100         | Horizontal | Pass    |
| 2** | 5150.000        | 48.60            | 0.84        | 54.0           | 5.40        | AV       | 110.00         | 100         | Horizontal | Pass    |
| 3   | 5149.025        | 61.26            | 0.84        | 74.0           | 12.74       | Peak     | 83.00          | 200         | Horizontal | Pass    |
| 3** | 5149.025        | 49.07            | 0.84        | 54.0           | 4.93        | AV       | 83.00          | 200         | Horizontal | Pass    |

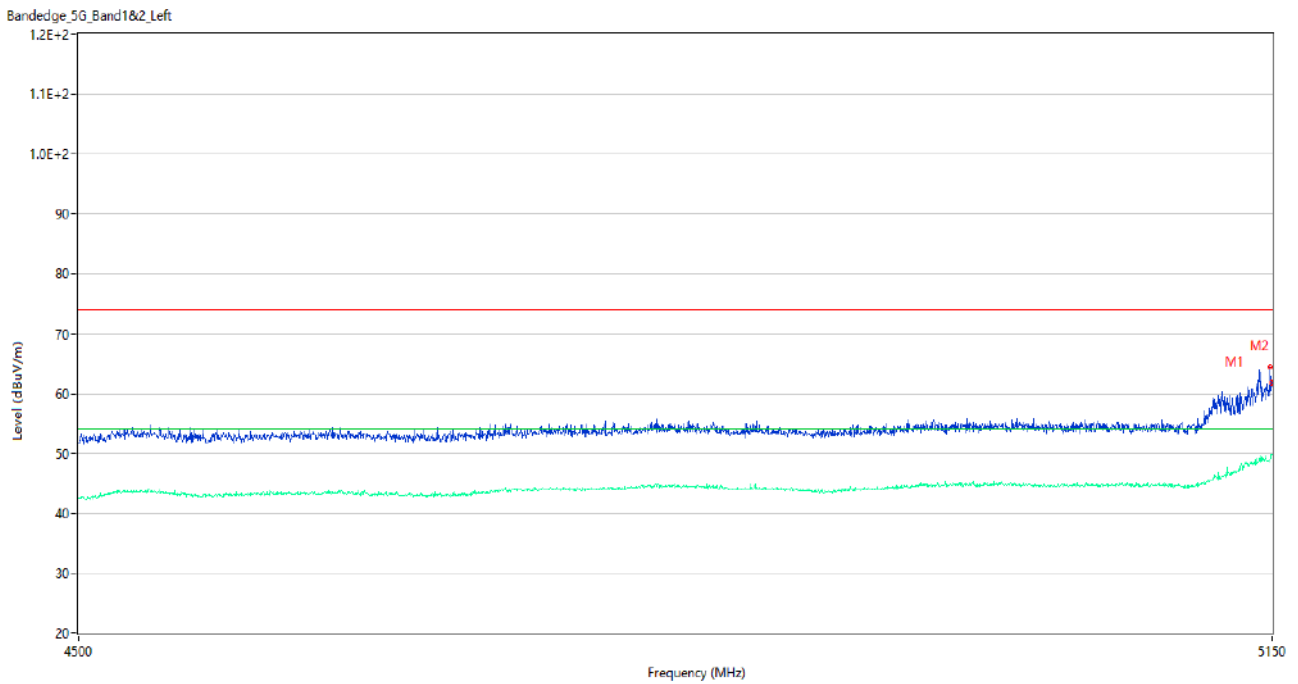


U-NII-1 11ac40 High Channel



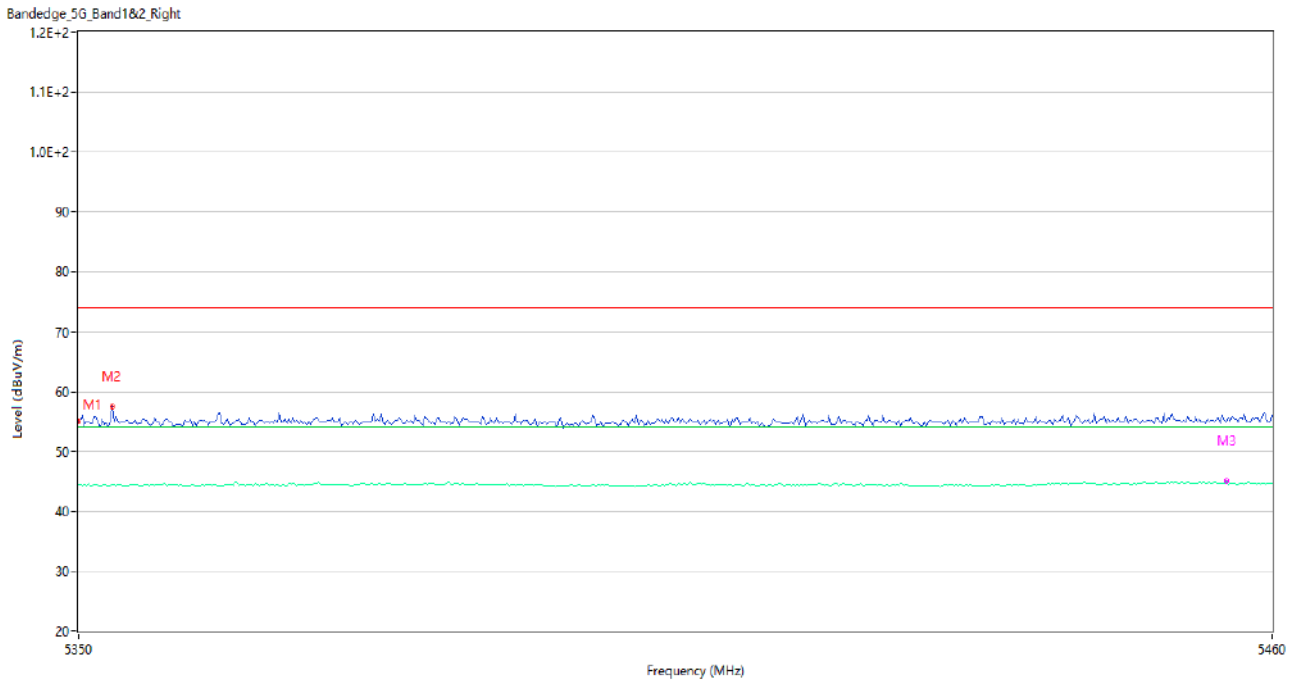
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 54.95            | 0.85        | 74.0           | 19.05       | Peak     | 199.00         | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 44.36            | 0.85        | 54.0           | 9.64        | AV       | 199.00         | 100         | Horizontal | Pass    |
| 2   | 5381.900        | 56.49            | 0.85        | 74.0           | 17.51       | Peak     | 118.00         | 200         | Horizontal | Pass    |
| 2** | 5381.900        | 44.63            | 0.85        | 54.0           | 9.37        | AV       | 118.00         | 200         | Horizontal | Pass    |
| 3   | 5458.717        | 54.28            | 1.23        | 74.0           | 19.72       | Peak     | 153.00         | 100         | Horizontal | Pass    |
| 3** | 5458.717        | 44.90            | 1.23        | 54.0           | 9.10        | AV       | 153.00         | 100         | Horizontal | Pass    |

U-NII-1 11ac80 Middle Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5149.025        | 64.48            | 0.84        | 74.0           | 9.52        | Peak     | 65.00          | 150         | Horizontal | Pass    |
| 1** | 5149.025        | 48.93            | 0.84        | 54.0           | 5.07        | AV       | 65.00          | 150         | Horizontal | Pass    |
| 2   | 5150.000        | 61.82            | 0.84        | 74.0           | 12.18       | Peak     | 94.00          | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 49.75            | 0.84        | 54.0           | 4.25        | AV       | 94.00          | 150         | Horizontal | Pass    |

U-NII-1 11ac80 Middle Channel



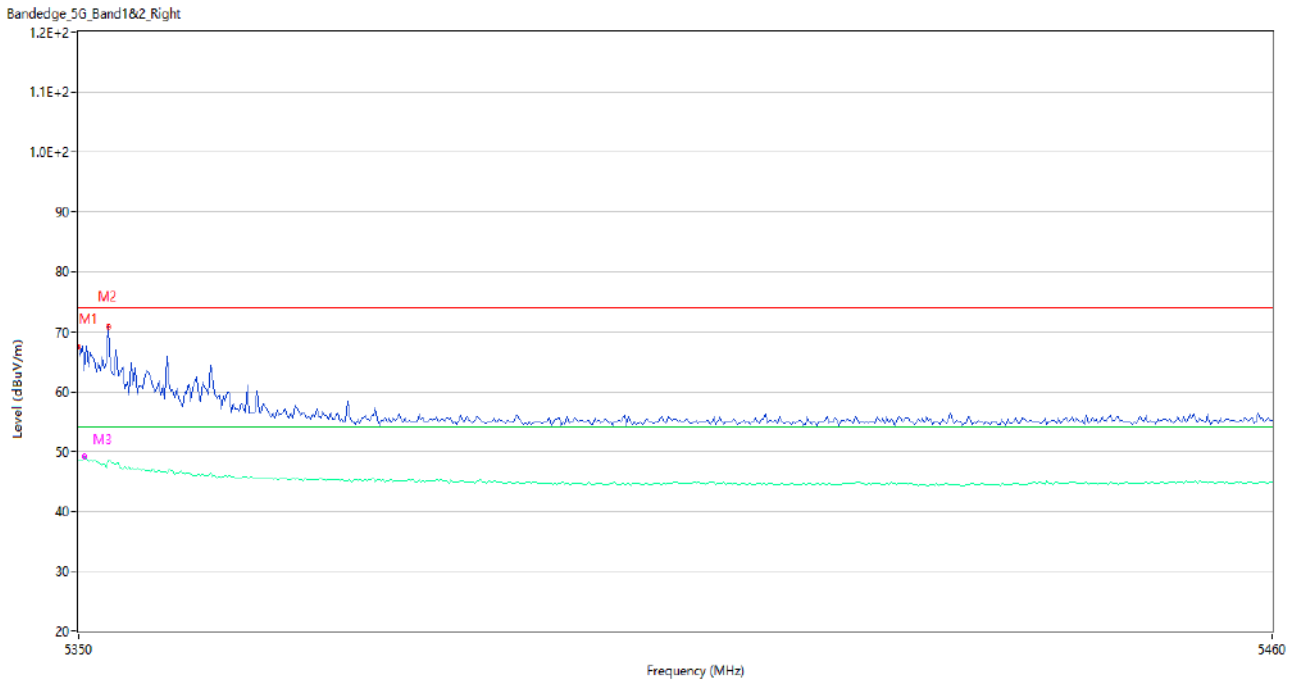
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.09            | 0.85        | 74.0           | 18.91       | Peak     | 256.00         | 200         | Horizontal | Pass    |
| 1** | 5350.000        | 44.53            | 0.85        | 54.0           | 9.47        | AV       | 256.00         | 200         | Horizontal | Pass    |
| 2   | 5353.117        | 57.51            | 0.81        | 74.0           | 16.49       | Peak     | 109.00         | 100         | Horizontal | Pass    |
| 2** | 5353.117        | 44.46            | 0.81        | 54.0           | 9.54        | AV       | 109.00         | 100         | Horizontal | Pass    |
| 3   | 5455.783        | 54.90            | 1.17        | 74.0           | 19.10       | Peak     | 76.00          | 100         | Horizontal | Pass    |
| 3** | 5455.783        | 45.03            | 1.17        | 54.0           | 8.97        | AV       | 76.00          | 100         | Horizontal | Pass    |

U-NII-2A 11a Low Channel



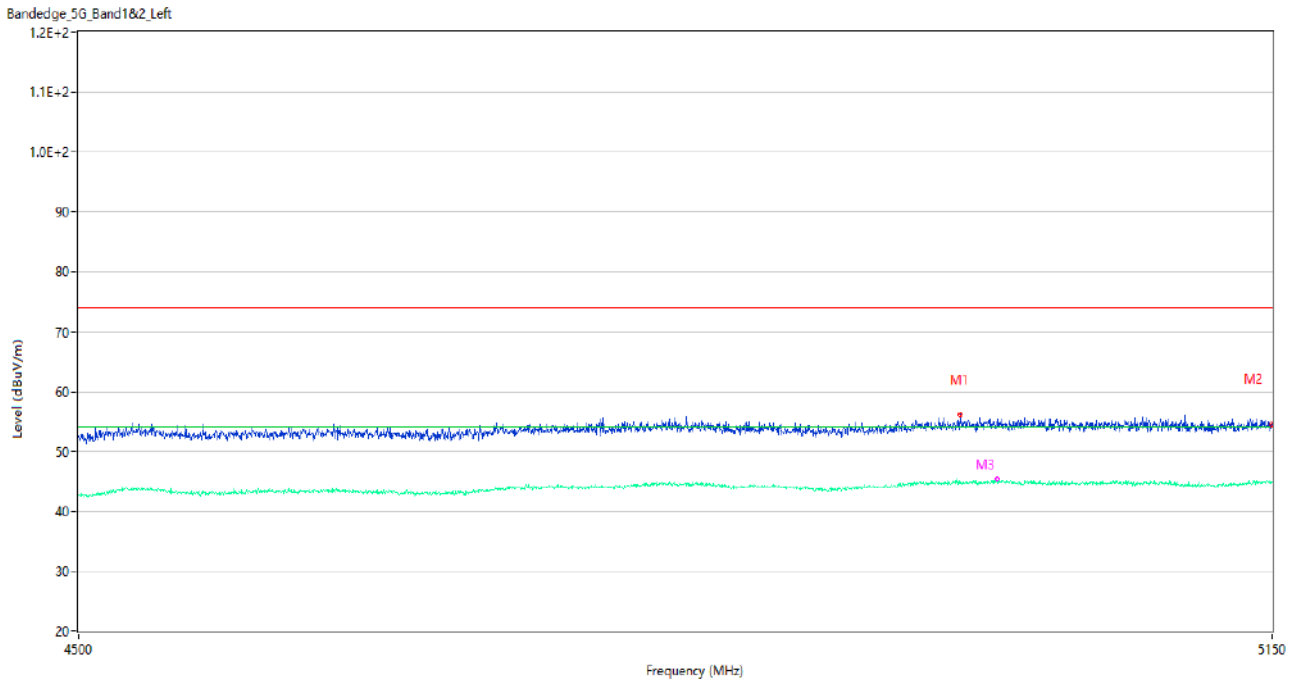
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 4976.775        | 56.28            | 1.92        | 74.0           | 17.72       | Peak     | 184.00         | 150         | Horizontal | Pass    |
| 1** | 4976.775        | 44.72            | 1.92        | 54.0           | 9.28        | AV       | 184.00         | 150         | Horizontal | Pass    |
| 2   | 5150.000        | 54.98            | 0.84        | 74.0           | 19.02       | Peak     | 84.00          | 100         | Horizontal | Pass    |
| 2** | 5150.000        | 44.95            | 0.84        | 54.0           | 9.05        | AV       | 84.00          | 100         | Horizontal | Pass    |
| 3   | 4974.825        | 54.83            | 1.90        | 74.0           | 19.17       | Peak     | 221.00         | 100         | Horizontal | Pass    |
| 3** | 4974.825        | 45.20            | 1.90        | 54.0           | 8.80        | AV       | 221.00         | 100         | Horizontal | Pass    |

U-NII-2A 11a High Channel



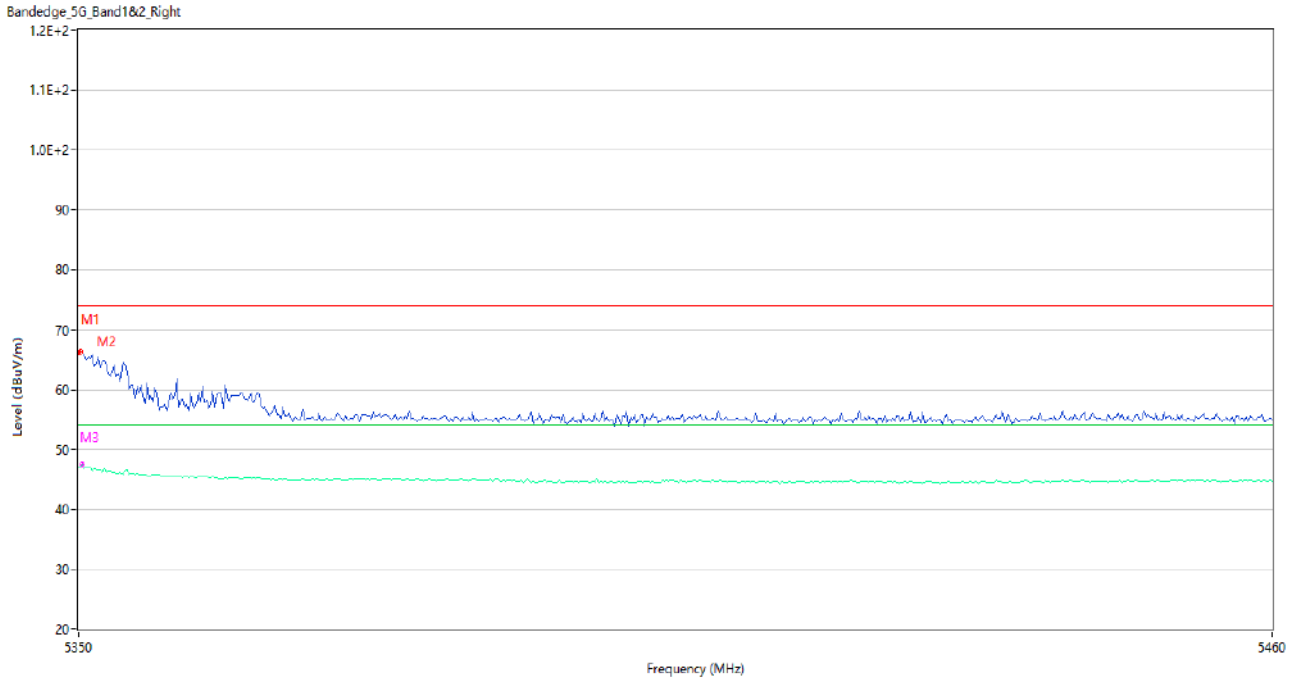
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 67.41            | 0.85        | 74.0           | 6.59        | Peak     | 83.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 48.65            | 0.85        | 54.0           | 5.35        | AV       | 83.00          | 100         | Horizontal | Pass    |
| 2   | 5352.750        | 70.91            | 0.81        | 74.0           | 3.09        | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 2** | 5352.750        | 48.47            | 0.81        | 54.0           | 5.53        | AV       | 96.00          | 150         | Horizontal | Pass    |
| 3   | 5350.550        | 63.52            | 0.87        | 74.0           | 10.48       | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 3** | 5350.550        | 49.28            | 0.87        | 54.0           | 4.72        | AV       | 73.00          | 150         | Horizontal | Pass    |

U-NII-2A 11n20 Low Channel



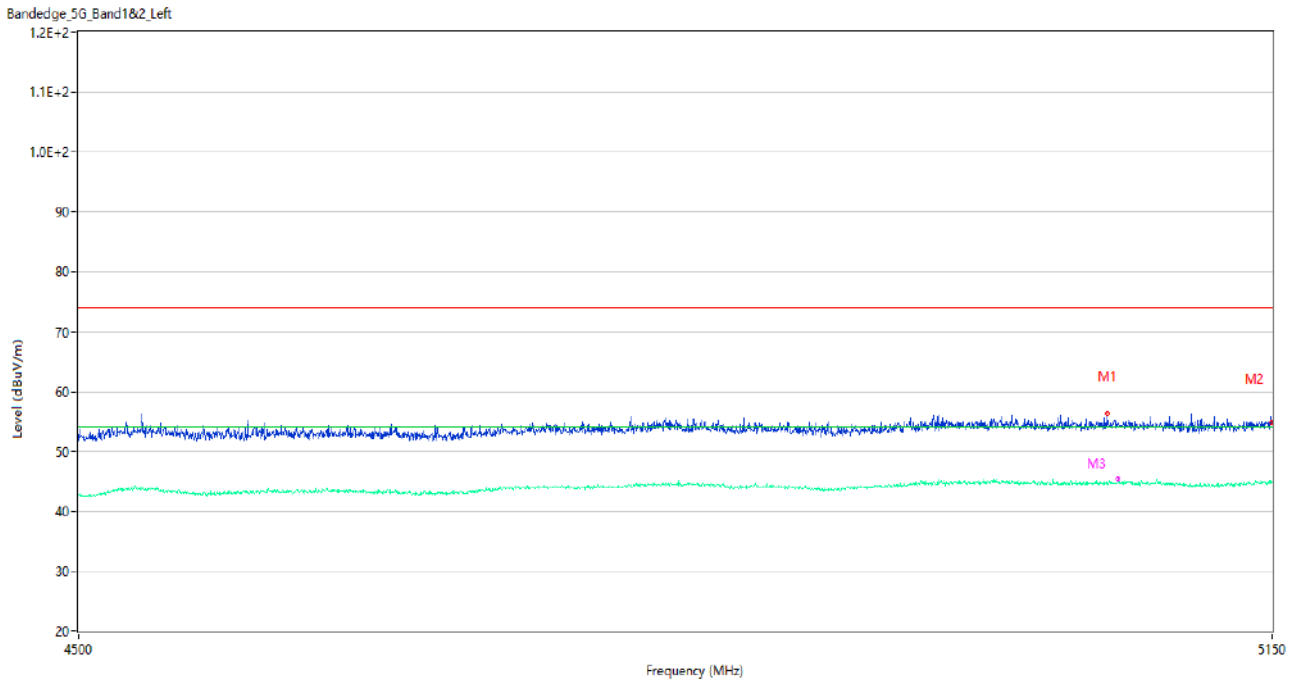
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 4971.575        | 56.19            | 1.98        | 74.0           | 17.81       | Peak     | 88.00          | 100         | Horizontal | Pass    |
| 1** | 4971.575        | 44.62            | 1.98        | 54.0           | 9.38        | AV       | 88.00          | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 54.49            | 0.84        | 74.0           | 19.51       | Peak     | 218.00         | 200         | Horizontal | Pass    |
| 2** | 5150.000        | 44.77            | 0.84        | 54.0           | 9.23        | AV       | 218.00         | 200         | Horizontal | Pass    |
| 3   | 4992.375        | 54.71            | 1.85        | 74.0           | 19.29       | Peak     | 3.00           | 300         | Horizontal | Pass    |
| 3** | 4992.375        | 45.39            | 1.85        | 54.0           | 8.61        | AV       | 3.00           | 300         | Horizontal | Pass    |

U-NII-2A 11n20 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        | 66.19            | 0.85        | 74.0           | 7.81        | Peak     | 96.00          | 200         | Horizontal | Pass    |
| 1** | 5350.000        | 47.07            | 0.85        | 54.0           | 6.93        | AV       | 96.00          | 200         | Horizontal | Pass    |
| 2   | 5350.183        | 66.39            | 0.86        | 74.0           | 7.61        | Peak     | 80.00          | 150         | Horizontal | Pass    |
| 2** | 5350.183        | 47.13            | 0.86        | 54.0           | 6.87        | AV       | 80.00          | 150         | Horizontal | Pass    |
| 3   | 5350.367        | 66.13            | 0.86        | 74.0           | 7.87        | Peak     | 86.00          | 100         | Horizontal | Pass    |
| 3** | 5350.367        | 47.41            | 0.86        | 54.0           | 6.59        | AV       | 86.00          | 100         | Horizontal | Pass    |

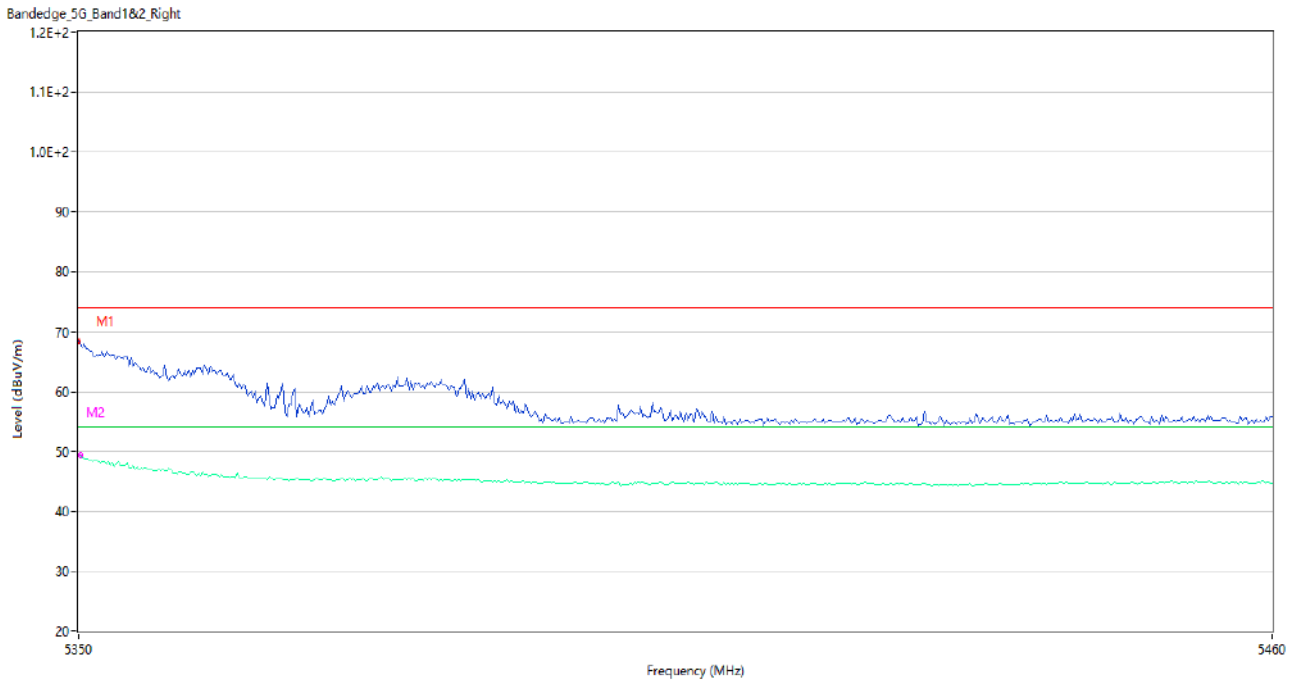
U-NII-2A 11n40 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5055.100        | 56.38            | 0.79        | 74.0           | 17.62       | Peak     | 346.00         | 150         | Horizontal | Pass    |
| 1** | 5055.100        | 44.80            | 0.79        | 54.0           | 9.20        | AV       | 346.00         | 150         | Horizontal | Pass    |
| 2   | 5150.000        | 54.85            | 0.84        | 74.0           | 19.15       | Peak     | 251.00         | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 44.84            | 0.84        | 54.0           | 9.16        | AV       | 251.00         | 150         | Horizontal | Pass    |
| 3   | 5061.275        | 54.71            | 0.88        | 74.0           | 19.29       | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 3** | 5061.275        | 45.35            | 0.88        | 54.0           | 8.65        | AV       | 73.00          | 150         | Horizontal | Pass    |

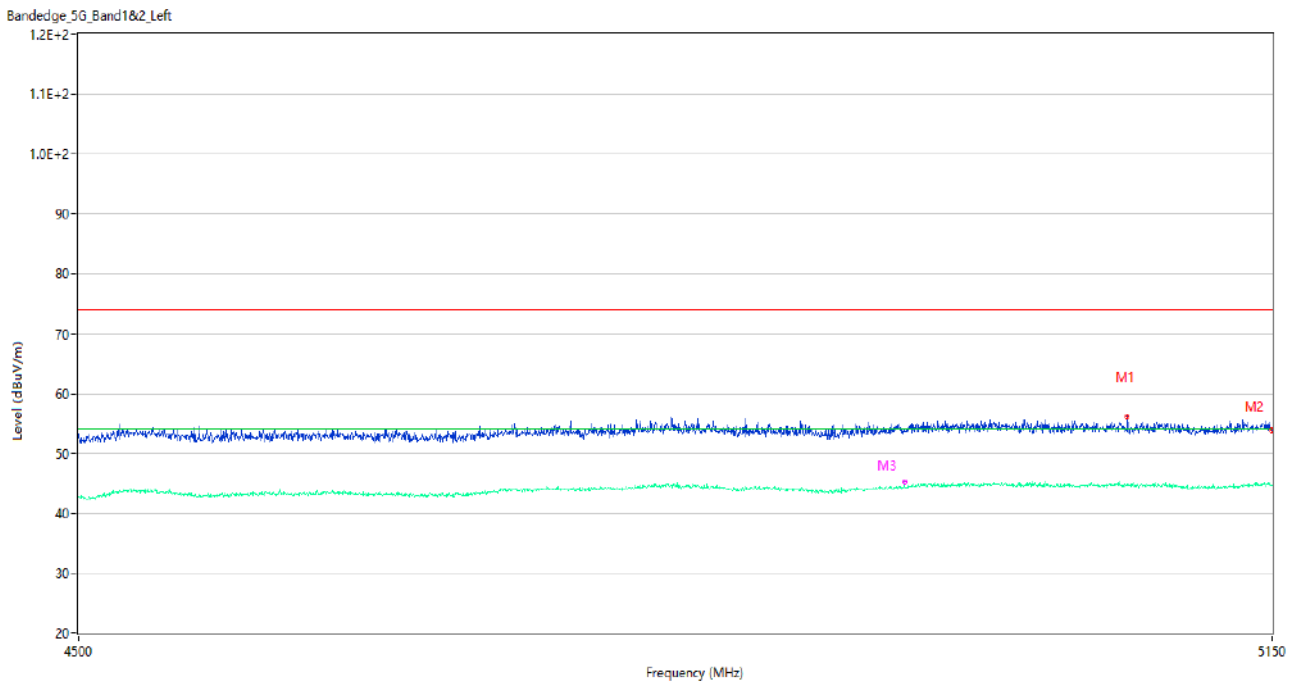


U-NII-2A 11n40 High Channel



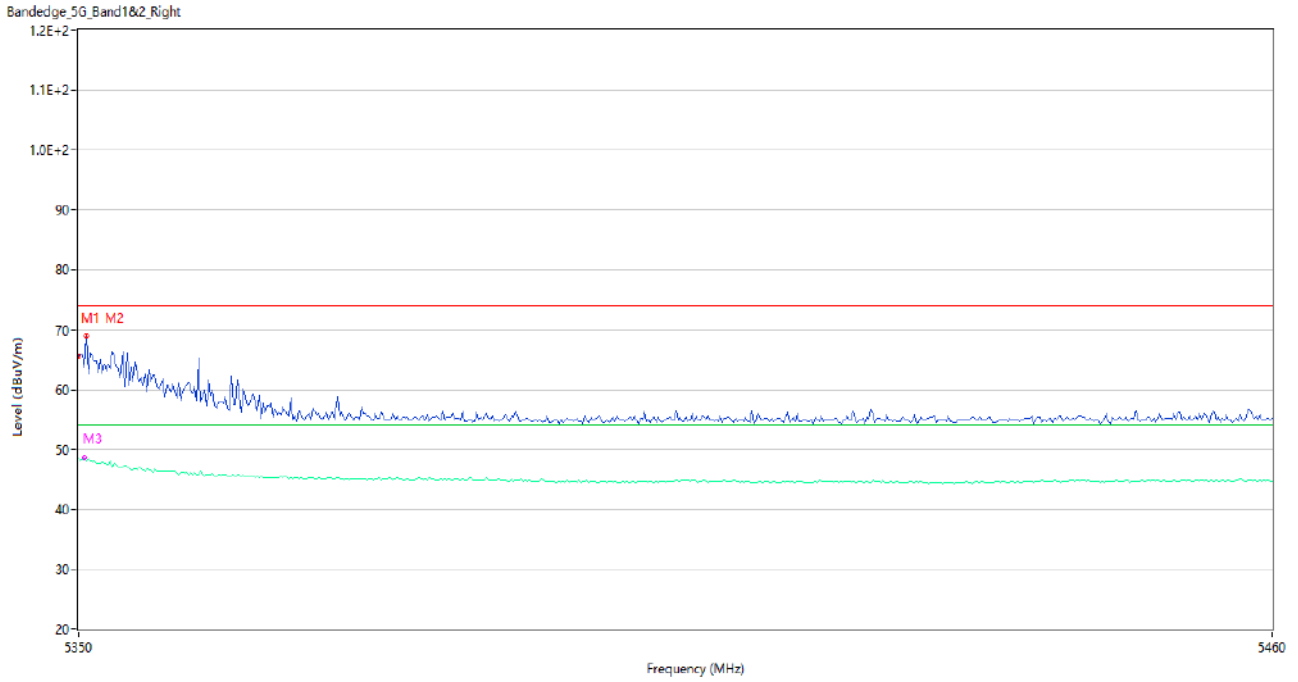
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 68.41            | 0.85        | 74.0           | 5.59        | Peak     | 85.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 49.26            | 0.85        | 54.0           | 4.74        | AV       | 85.00          | 100         | Horizontal | Pass    |
| 2   | 5350.183        | 68.12            | 0.86        | 74.0           | 5.88        | Peak     | 88.00          | 200         | Horizontal | Pass    |
| 2** | 5350.183        | 49.31            | 0.86        | 54.0           | 4.69        | AV       | 88.00          | 200         | Horizontal | Pass    |

U-NII-2A 11ac20 Low Channel



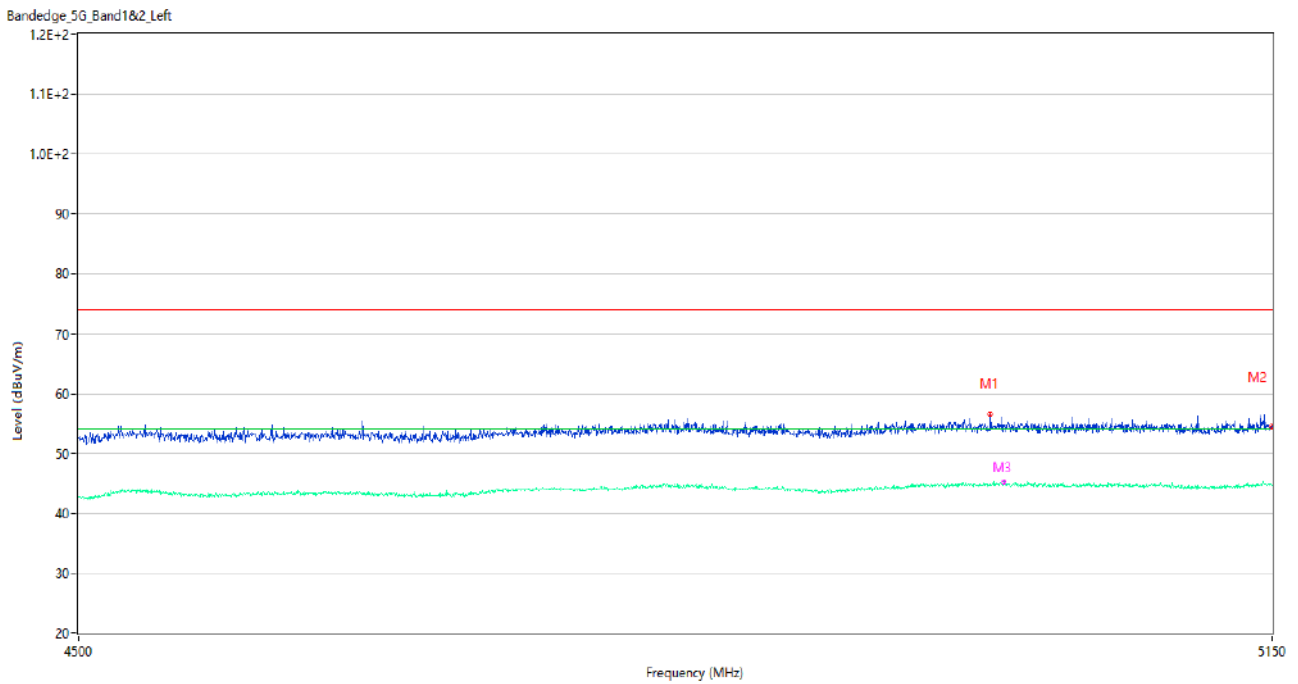
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5066.475        | 56.15            | 0.93        | 74.0           | 17.85       | Peak     | 72.00          | 100         | Horizontal | Pass    |
| 1** | 5066.475        | 44.65            | 0.93        | 54.0           | 9.35        | AV       | 72.00          | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 53.87            | 0.84        | 74.0           | 20.13       | Peak     | 121.00         | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 44.65            | 0.84        | 54.0           | 9.35        | AV       | 121.00         | 150         | Horizontal | Pass    |
| 3   | 4940.375        | 53.75            | 1.99        | 74.0           | 20.25       | Peak     | 97.00          | 200         | Horizontal | Pass    |
| 3** | 4940.375        | 45.30            | 1.99        | 54.0           | 8.70        | AV       | 97.00          | 200         | Horizontal | Pass    |

U-NII-2A 11ac20 High Channel



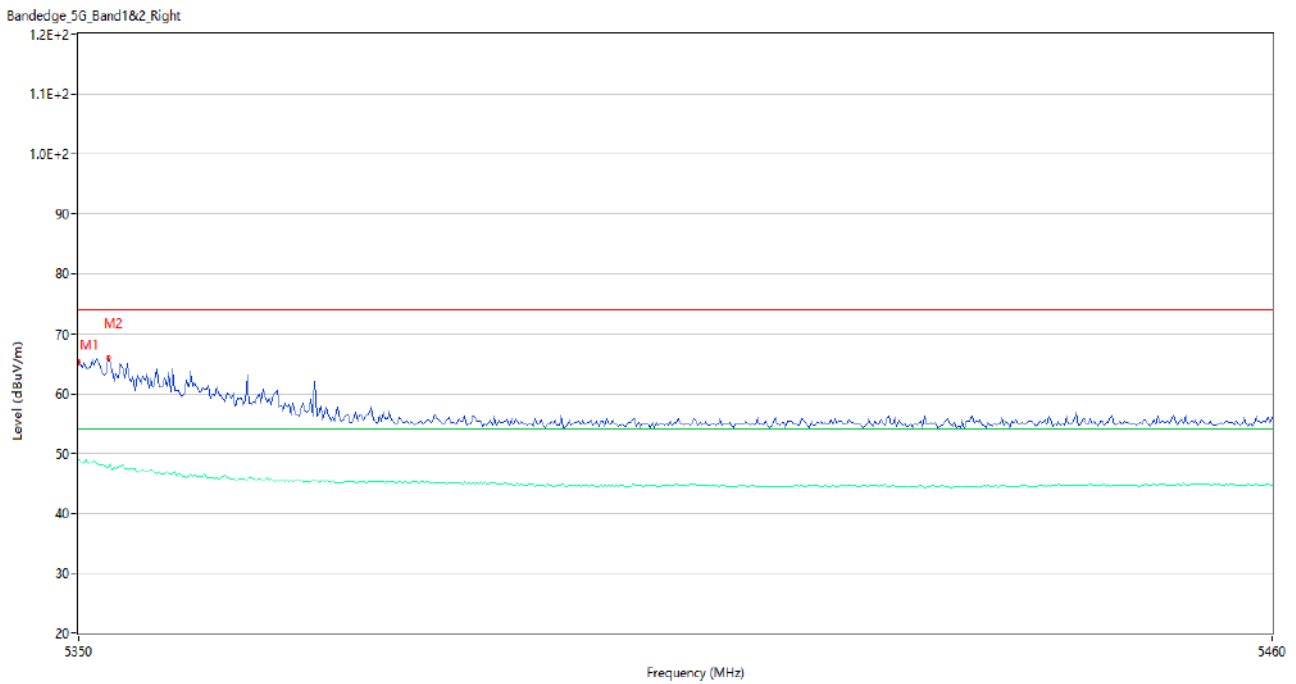
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 65.63            | 0.85        | 74.0           | 8.37        | Peak     | 139.00         | 200         | Horizontal | Pass    |
| 1** | 5350.000        | 48.49            | 0.85        | 54.0           | 5.51        | AV       | 139.00         | 200         | Horizontal | Pass    |
| 2   | 5350.733        | 69.05            | 0.87        | 74.0           | 4.95        | Peak     | 85.00          | 100         | Horizontal | Pass    |
| 2** | 5350.733        | 48.01            | 0.87        | 54.0           | 5.99        | AV       | 85.00          | 100         | Horizontal | Pass    |
| 3   | 5350.550        | 63.62            | 0.87        | 74.0           | 10.38       | Peak     | 142.00         | 100         | Horizontal | Pass    |
| 3** | 5350.550        | 48.54            | 0.87        | 54.0           | 5.46        | AV       | 142.00         | 100         | Horizontal | Pass    |

U-NII-2A 11ac40 Low Channel



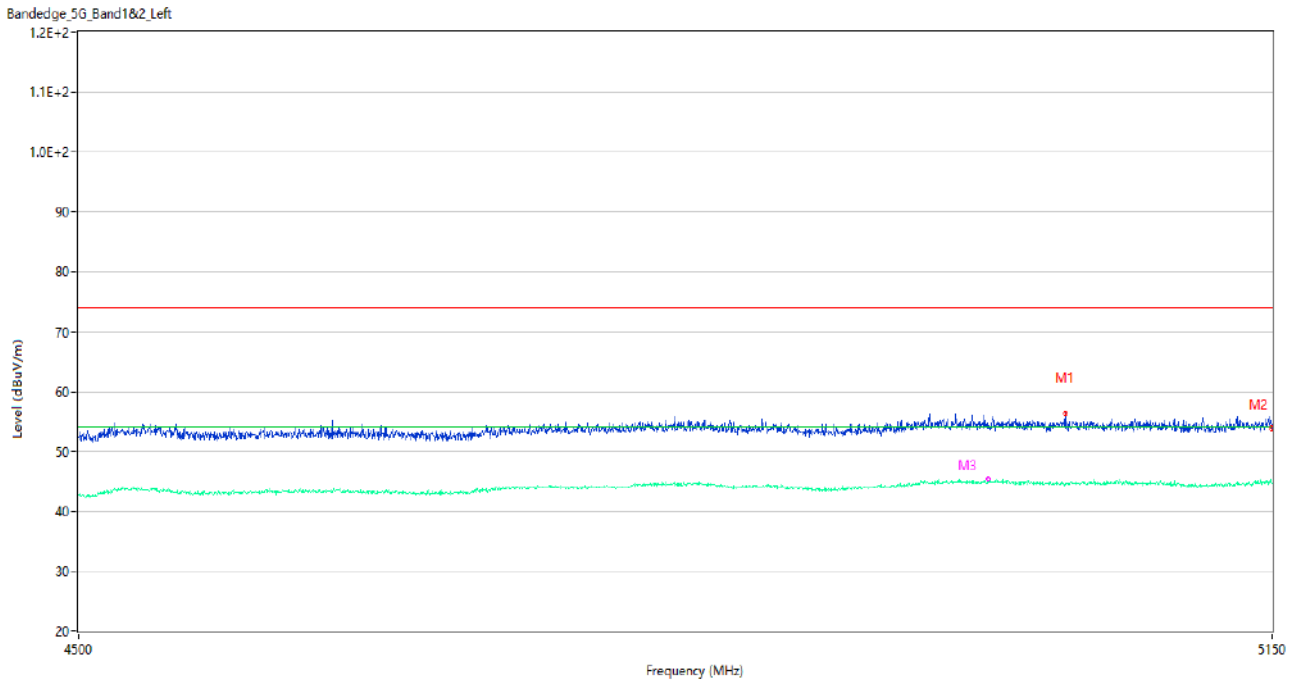
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 4988.475        | 56.53            | 1.83        | 74.0           | 17.47       | Peak     | 355.00         | 100         | Horizontal | Pass    |
| 1** | 4988.475        | 44.77            | 1.83        | 54.0           | 9.23        | AV       | 355.00         | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 54.53            | 0.84        | 74.0           | 19.47       | Peak     | 243.00         | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 44.76            | 0.84        | 54.0           | 9.24        | AV       | 243.00         | 150         | Horizontal | Pass    |
| 3   | 4996.275        | 54.63            | 1.81        | 74.0           | 19.37       | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 3** | 4996.275        | 45.27            | 1.81        | 54.0           | 8.73        | AV       | 246.00         | 150         | Horizontal | Pass    |

U-NII-2A 11ac40 High Channel



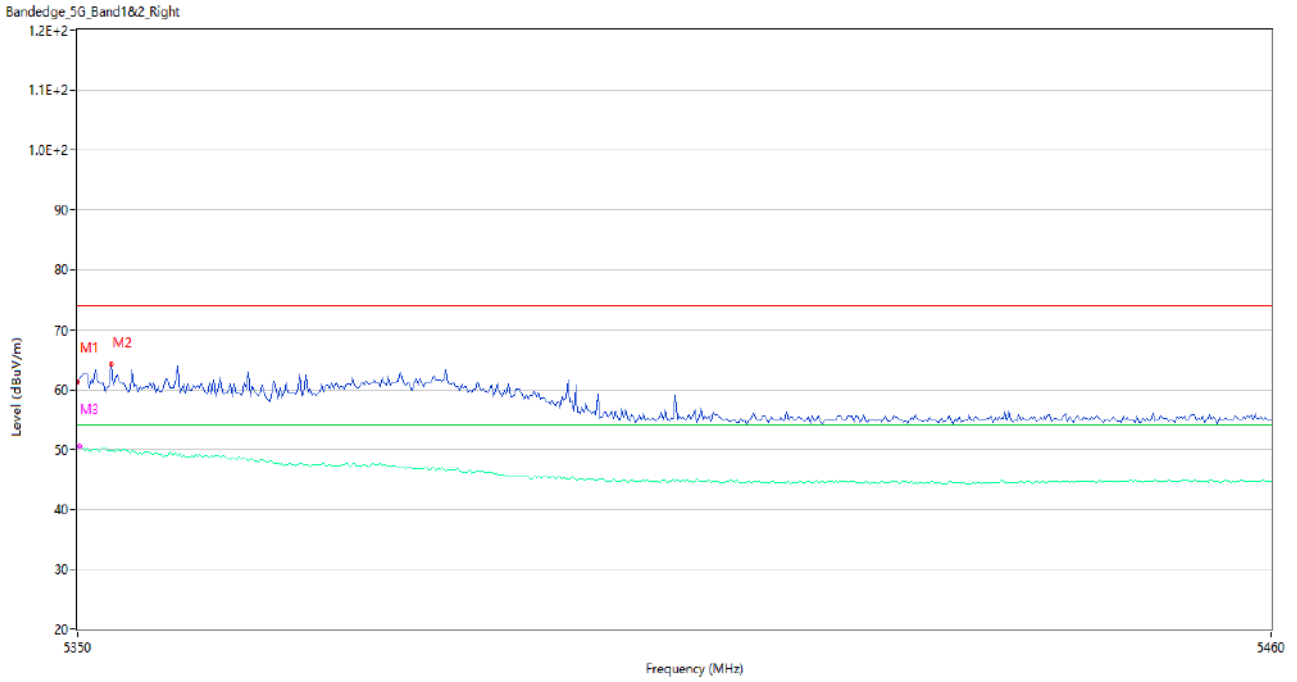
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 65.24            | 0.85        | 74.0           | 8.76        | Peak     | 87.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 49.07            | 0.85        | 54.0           | 4.93        | AV       | 87.00          | 100         | Horizontal | Pass    |
| 2   | 5352.750        | 66.00            | 0.81        | 74.0           | 8.00        | Peak     | 84.00          | 150         | Horizontal | Pass    |
| 2** | 5352.750        | 47.64            | 0.81        | 54.0           | 6.36        | AV       | 84.00          | 150         | Horizontal | Pass    |

U-NII-2A 11ac80 Middle Channel



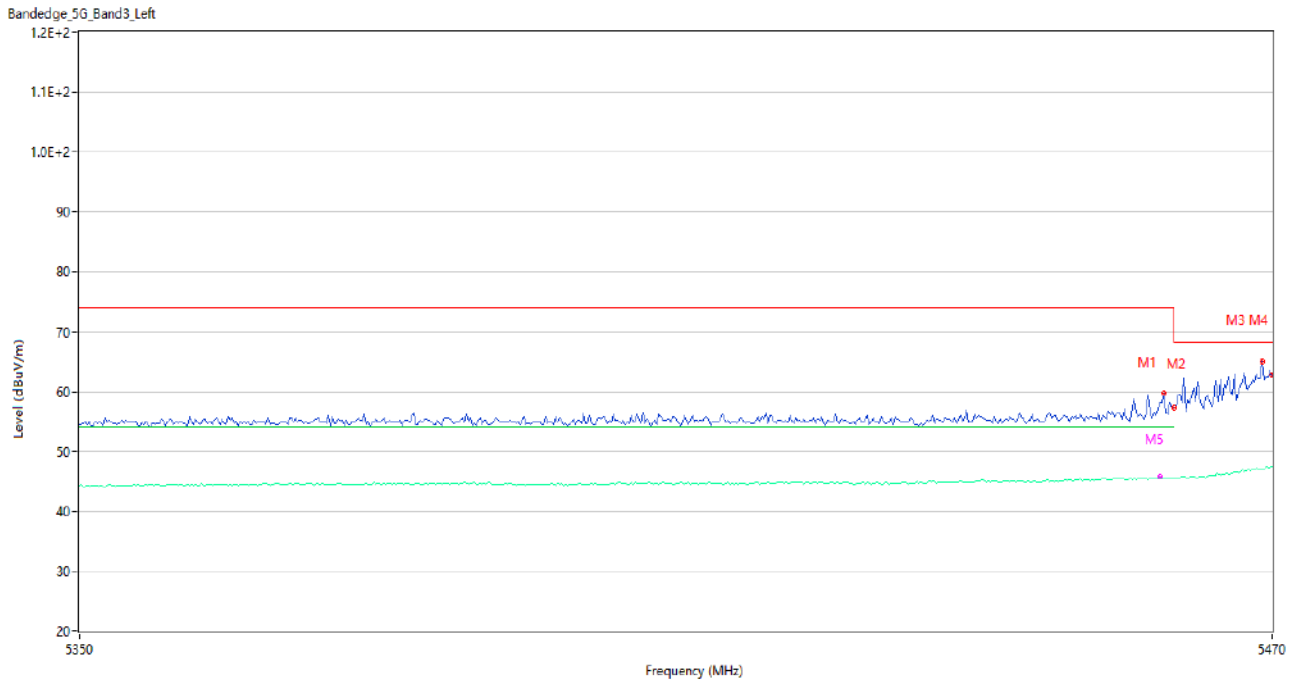
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5031.050        | 56.26            | 0.84        | 74.0           | 17.74       | Peak     | 214.00         | 200         | Horizontal | Pass    |
| 1** | 5031.050        | 44.42            | 0.84        | 54.0           | 9.58        | AV       | 214.00         | 200         | Horizontal | Pass    |
| 2   | 5150.000        | 53.95            | 0.84        | 74.0           | 20.05       | Peak     | 132.00         | 200         | Horizontal | Pass    |
| 2** | 5150.000        | 44.61            | 0.84        | 54.0           | 9.39        | AV       | 132.00         | 200         | Horizontal | Pass    |
| 3   | 4987.500        | 54.66            | 1.80        | 74.0           | 19.34       | Peak     | 331.00         | 100         | Horizontal | Pass    |
| 3** | 4987.500        | 45.39            | 1.80        | 54.0           | 8.61        | AV       | 331.00         | 100         | 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        | 61.20            | 0.85        | 74.0           | 12.80       | Peak     | 97.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 50.44            | 0.85        | 54.0           | 3.56        | AV       | 97.00          | 100         | Horizontal | Pass    |
| 2   | 5353.117        | 64.31            | 0.81        | 74.0           | 9.69        | Peak     | 97.00          | 200         | Horizontal | Pass    |
| 2** | 5353.117        | 49.77            | 0.81        | 54.0           | 4.23        | AV       | 97.00          | 200         | Horizontal | Pass    |
| 3   | 5350.183        | 61.86            | 0.86        | 74.0           | 12.14       | Peak     | 91.00          | 150         | Horizontal | Pass    |
| 3** | 5350.183        | 50.45            | 0.86        | 54.0           | 3.55        | AV       | 91.00          | 150         | Horizontal | Pass    |

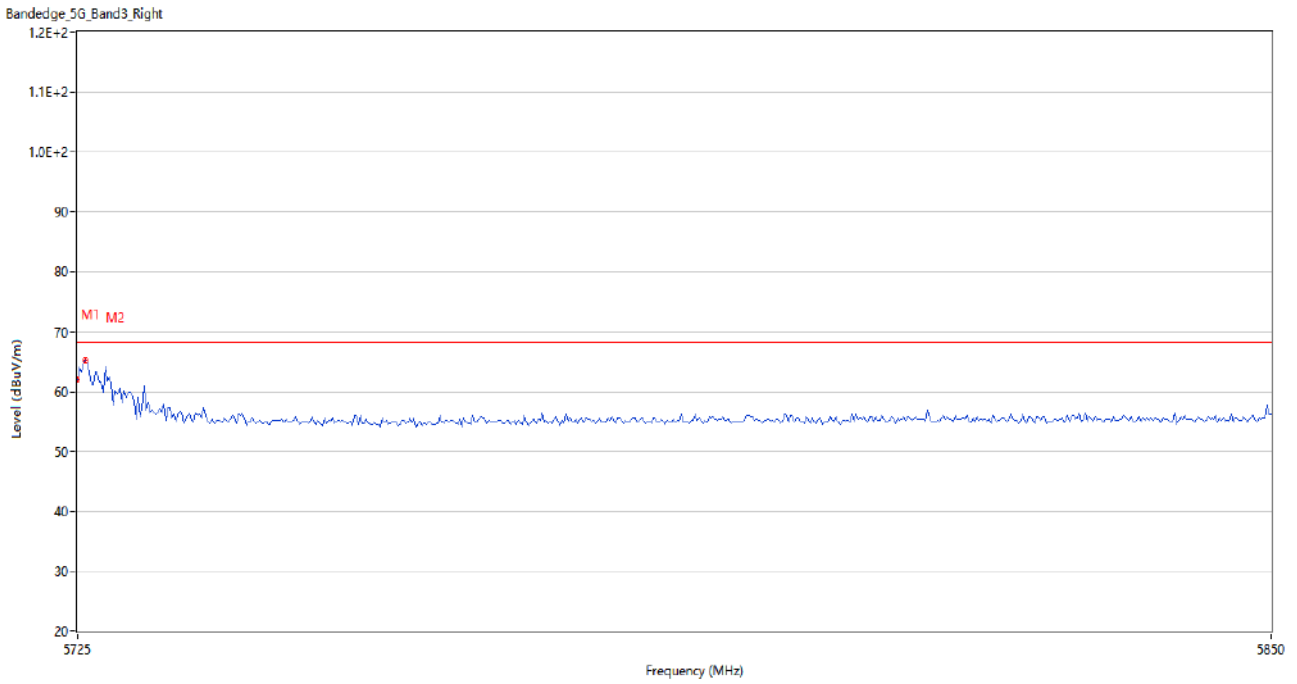
U-NII-2C 11a Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5459.000        | 59.78            | 1.24        | 74.0           | 14.22       | Peak     | 144.00         | 200         | Horizontal | Pass    |
| 1** | 5459.000        | 45.51            | 1.24        | 54.0           | 8.49        | AV       | 144.00         | 200         | Horizontal | Pass    |
| 2   | 5460.000        | 57.23            | 1.23        | 74.0           | 16.77       | Peak     | 182.00         | 300         | Horizontal | Pass    |
| 2** | 5460.000        | 45.51            | 1.23        | 54.0           | 8.49        | AV       | 182.00         | 300         | Horizontal | Pass    |
| 3   | 5469.000        | 65.10            | 1.36        | 68.2           | 3.10        | Peak     | 136.00         | 150         | Horizontal | Pass    |
| 3** | 5469.000        | 47.06            | 1.36        | --             | --          | AV       | 136.00         | 150         | Horizontal | N/A     |
| 4   | 5470.000        | 62.78            | 1.37        | 68.2           | 5.42        | Peak     | 82.00          | 100         | Horizontal | Pass    |
| 4** | 5470.000        | 47.49            | 1.37        | --             | --          | AV       | 82.00          | 100         | Horizontal | N/A     |
| 5   | 5458.600        | 58.29            | 1.22        | 74.0           | 15.71       | Peak     | 77.00          | 300         | Horizontal | Pass    |
| 5** | 5458.600        | 45.74            | 1.22        | 54.0           | 8.26        | AV       | 77.00          | 300         | Horizontal | Pass    |

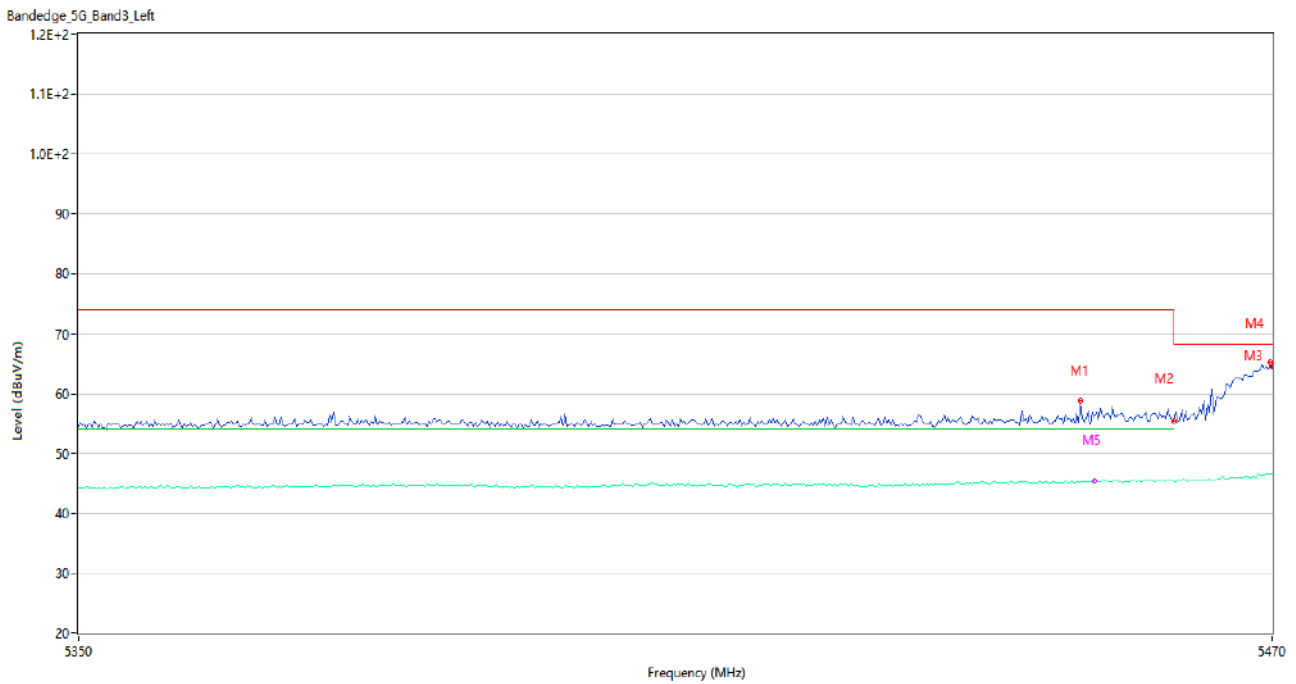


U-NII-2C 11a High Channel



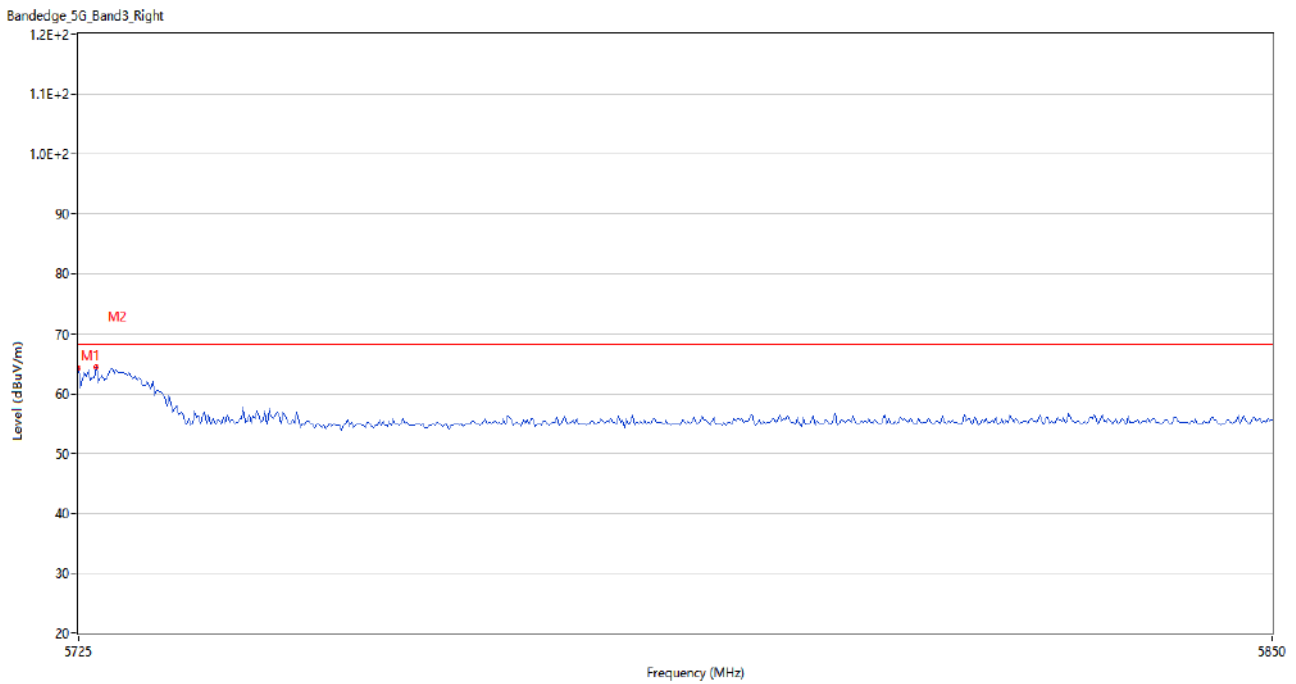
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 62.01            | 0.63        | 68.2           | 6.19        | Peak     | 81.00          | 200         | Horizontal | Pass    |
| 2   | 5725.834        | 65.19            | 0.64        | 68.2           | 3.01        | Peak     | 106.00         | 200         | Horizontal | Pass    |

U-NII-2C 11n20 Low Channel



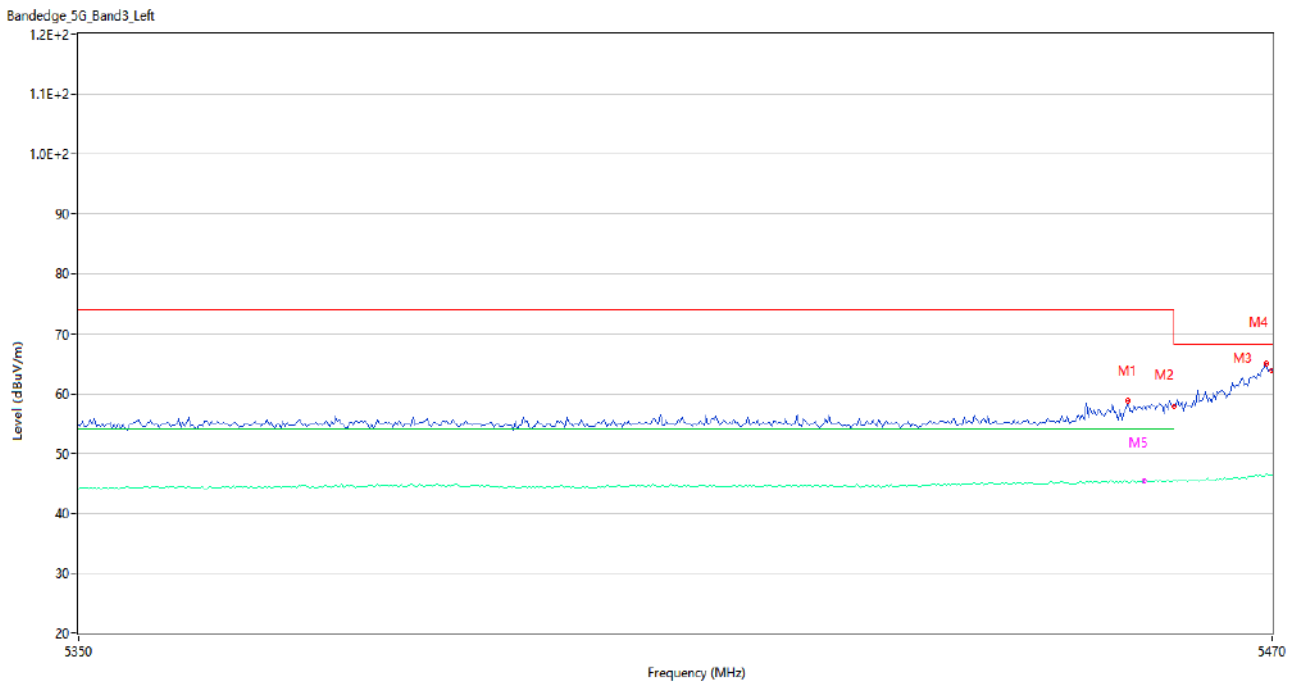
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5450.600        | 58.80            | 1.25        | 74.0           | 15.20       | Peak     | 126.00         | 100         | Horizontal | Pass    |
| 1** | 5450.600        | 45.13            | 1.25        | 54.0           | 8.87        | AV       | 126.00         | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 55.49            | 1.23        | 74.0           | 18.51       | Peak     | 267.00         | 100         | Horizontal | Pass    |
| 2** | 5460.000        | 45.30            | 1.23        | 54.0           | 8.70        | AV       | 267.00         | 100         | Horizontal | Pass    |
| 3   | 5469.800        | 65.12            | 1.38        | 68.2           | 3.08        | Peak     | 77.00          | 200         | Horizontal | Pass    |
| 3** | 5469.800        | 46.53            | 1.38        | --             | --          | AV       | 77.00          | 200         | Horizontal | N/A     |
| 4   | 5470.000        | 64.38            | 1.37        | 68.2           | 3.82        | Peak     | 85.00          | 100         | Horizontal | Pass    |
| 4** | 5470.000        | 46.55            | 1.37        | --             | ---         | AV       | 85.00          | 100         | Horizontal | N/A     |
| 5   | 5452.000        | 56.03            | 1.28        | 74.0           | 17.97       | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 5** | 5452.000        | 45.38            | 1.28        | 54.0           | 8.62        | AV       | 134.00         | 150         | Horizontal | Pass    |

U-NII-2C 11n20 High Channel



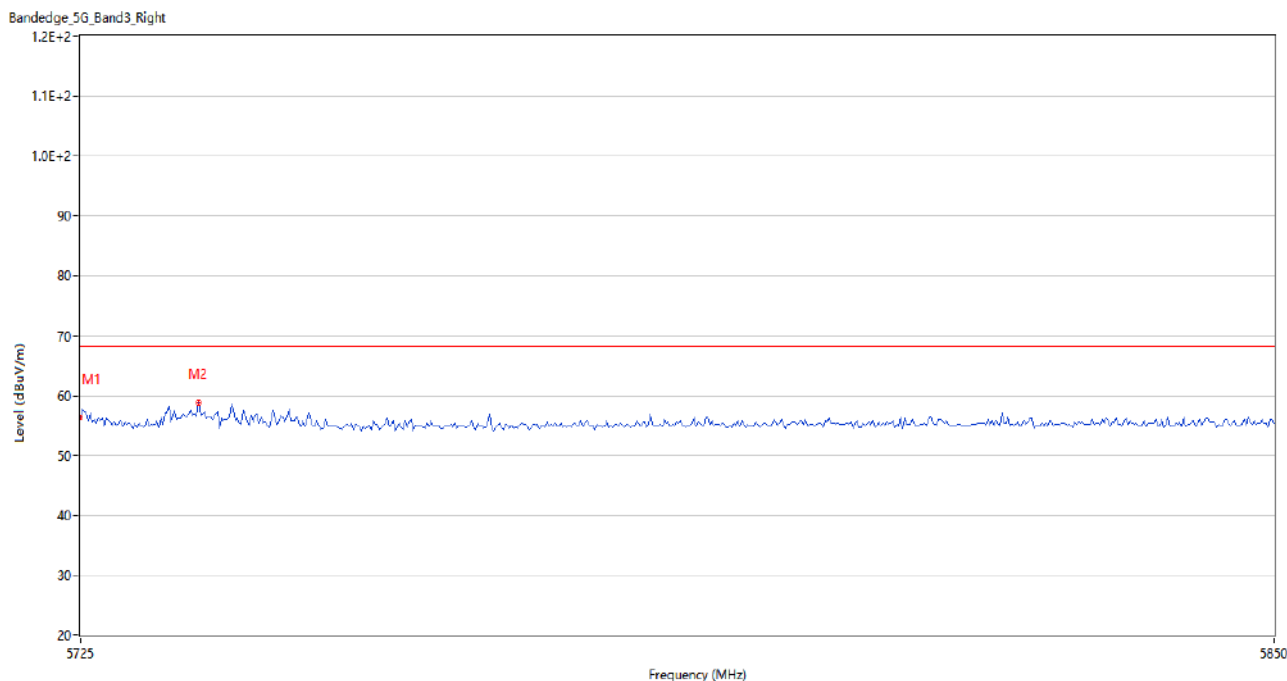
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 64.19            | 0.63        | 68.2           | 4.01        | Peak     | 160.00         | 150         | Horizontal | Pass    |
| 2   | 5726.875        | 64.39            | 0.66        | 68.2           | 3.81        | Peak     | 174.00         | 150         | Horizontal | Pass    |

U-NII-2C 11n40 Low Channel



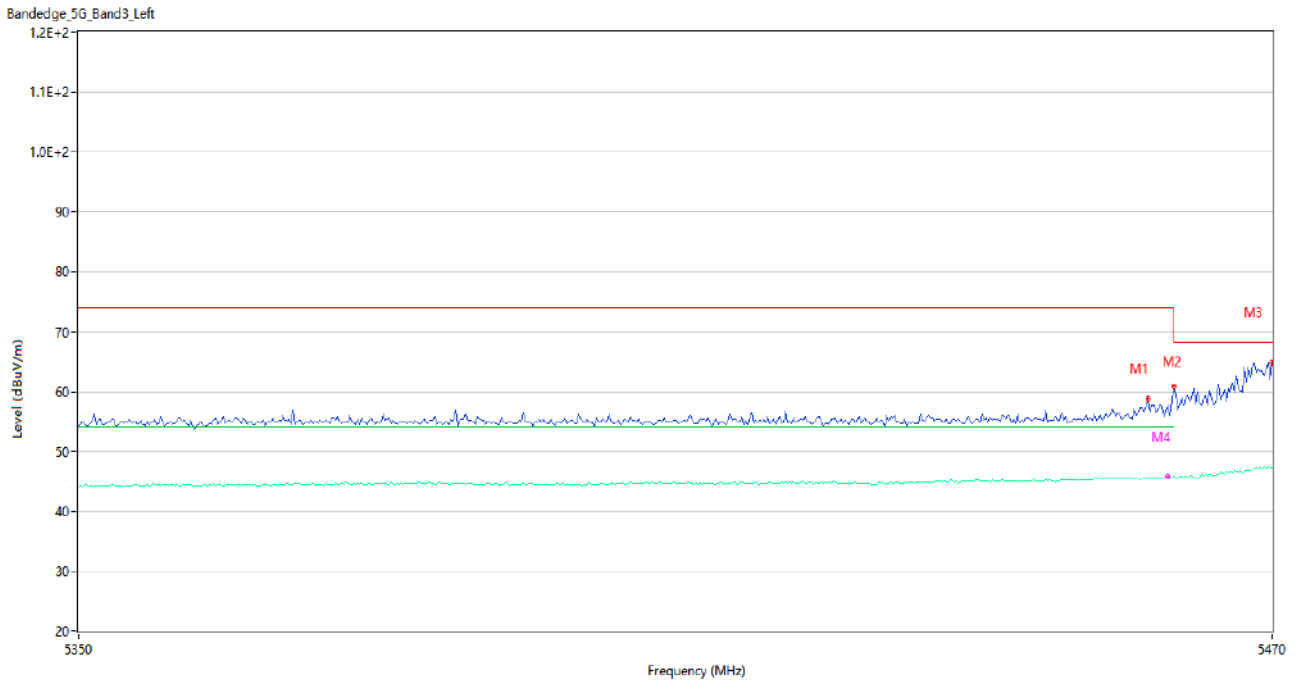
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5455.400        | 58.85            | 1.18        | 74.0           | 15.15       | Peak     | 145.00         | 150         | Horizontal | Pass    |
| 1** | 5455.400        | 45.11            | 1.18        | 54.0           | 8.89        | AV       | 145.00         | 150         | Horizontal | Pass    |
| 2   | 5460.000        | 57.77            | 1.23        | 74.0           | 16.23       | Peak     | 91.00          | 200         | Horizontal | Pass    |
| 2** | 5460.000        | 45.36            | 1.23        | 54.0           | 8.64        | AV       | 91.00          | 200         | Horizontal | Pass    |
| 3   | 5469.400        | 64.97            | 1.37        | 68.2           | 3.23        | Peak     | 78.00          | 150         | Horizontal | Pass    |
| 3** | 5469.400        | 46.59            | 1.37        | --             | --          | AV       | 78.00          | 150         | Horizontal | N/A     |
| 4   | 5470.000        | 63.94            | 1.37        | 68.2           | 4.26        | Peak     | 80.00          | 150         | Horizontal | Pass    |
| 4** | 5470.000        | 46.32            | 1.37        | --             | --          | AV       | 80.00          | 150         | Horizontal | N/A     |
| 5   | 5457.000        | 57.78            | 1.15        | 74.0           | 16.22       | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 5** | 5457.000        | 45.42            | 1.15        | 54.0           | 8.58        | AV       | 96.00          | 150         | Horizontal | Pass    |

U-NII-2C 11n40 High Channel



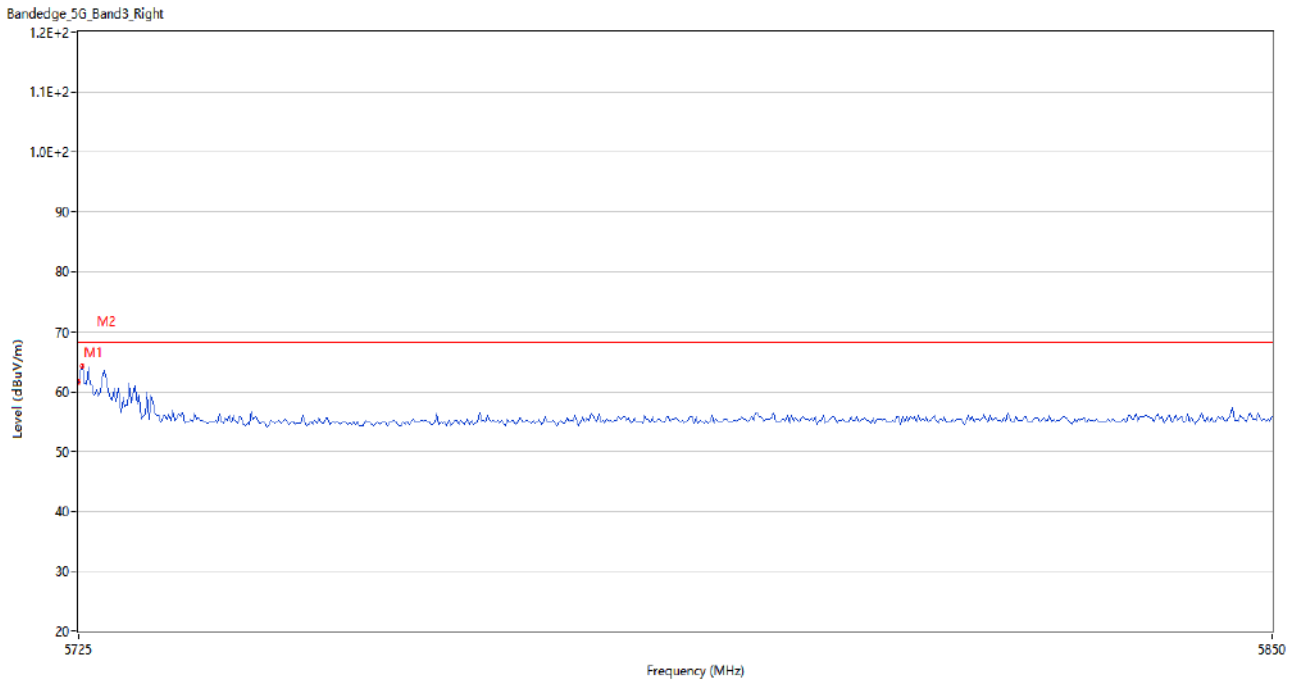
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 56.39            | 0.63        | 68.2           | 11.81       | Peak     | 152.00         | 200         | Horizontal | Pass    |
| 2   | 5737.291        | 58.75            | 0.60        | 68.2           | 9.45        | Peak     | 163.00         | 100         | Horizontal | Pass    |

U-NII-2C 11ac20 Low Channel



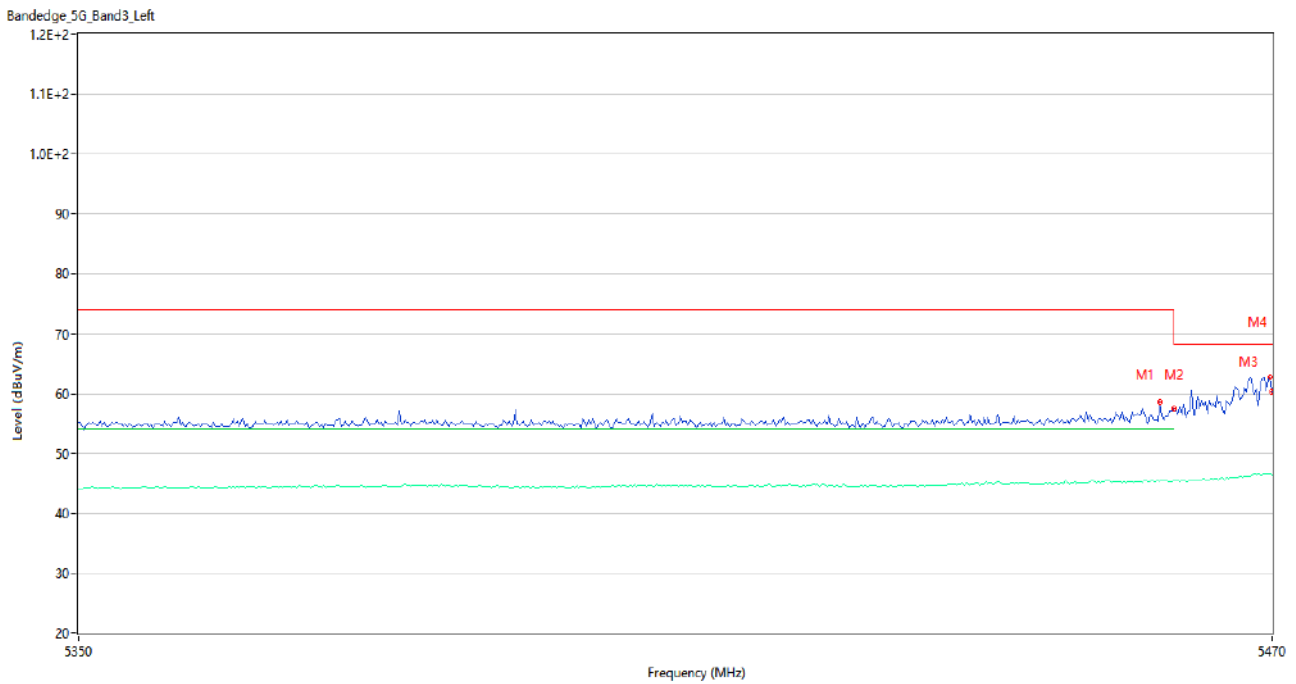
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5457.400        | 58.87            | 1.17        | 74.0           | 15.13       | Peak     | 73.00          | 100         | Horizontal | Pass    |
| 1** | 5457.400        | 45.50            | 1.17        | 54.0           | 8.50        | AV       | 73.00          | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 60.94            | 1.23        | 74.0           | 13.06       | Peak     | 93.00          | 200         | Horizontal | Pass    |
| 2** | 5460.000        | 45.76            | 1.23        | 54.0           | 8.24        | AV       | 93.00          | 200         | Horizontal | Pass    |
| 3   | 5470.000        | 64.87            | 1.37        | 68.2           | 3.33        | Peak     | 171.00         | 100         | Horizontal | Pass    |
| 3** | 5470.000        | 47.40            | 1.37        | --             | --          | AV       | 171.00         | 100         | Horizontal | N/A     |
| 4   | 5459.400        | 57.72            | 1.24        | 74.0           | 16.28       | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 4** | 5459.400        | 45.82            | 1.24        | 54.0           | 8.18        | AV       | 90.00          | 150         | Horizontal | Pass    |

U-NII-2C 11ac20 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 61.56            | 0.63        | 68.2           | 6.64        | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 2   | 5725.416        | 64.22            | 0.64        | 68.2           | 3.98        | Peak     | 106.00         | 150         | Horizontal | Pass    |

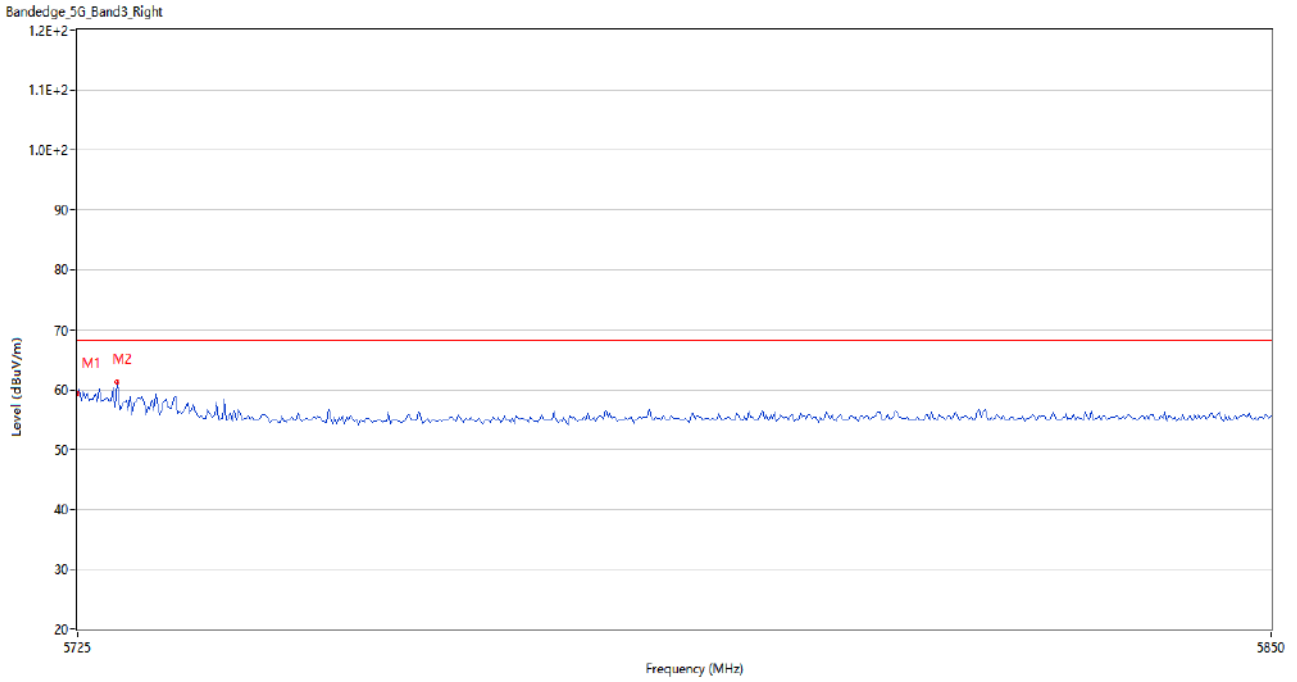
U-NII-2C 11ac40 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5458.600        | 58.55            | 1.22        | 74.0           | 15.45       | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 1** | 5458.600        | 45.21            | 1.22        | 54.0           | 8.79        | AV       | 83.00          | 150         | Horizontal | Pass    |
| 2   | 5460.000        | 57.57            | 1.23        | 74.0           | 16.43       | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 2** | 5460.000        | 45.42            | 1.23        | 54.0           | 8.58        | AV       | 83.00          | 150         | Horizontal | Pass    |
| 3   | 5469.800        | 62.76            | 1.38        | 68.2           | 5.44        | Peak     | 73.00          | 100         | Horizontal | Pass    |
| 3** | 5469.800        | 46.64            | 1.38        | --             | --          | AV       | 73.00          | 100         | Horizontal | N/A     |
| 4   | 5470.000        | 60.37            | 1.37        | 68.2           | 7.83        | Peak     | 81.00          | 200         | Horizontal | Pass    |
| 4** | 5470.000        | 46.43            | 1.37        | --             | --          | AV       | 81.00          | 200         | Horizontal | N/A     |

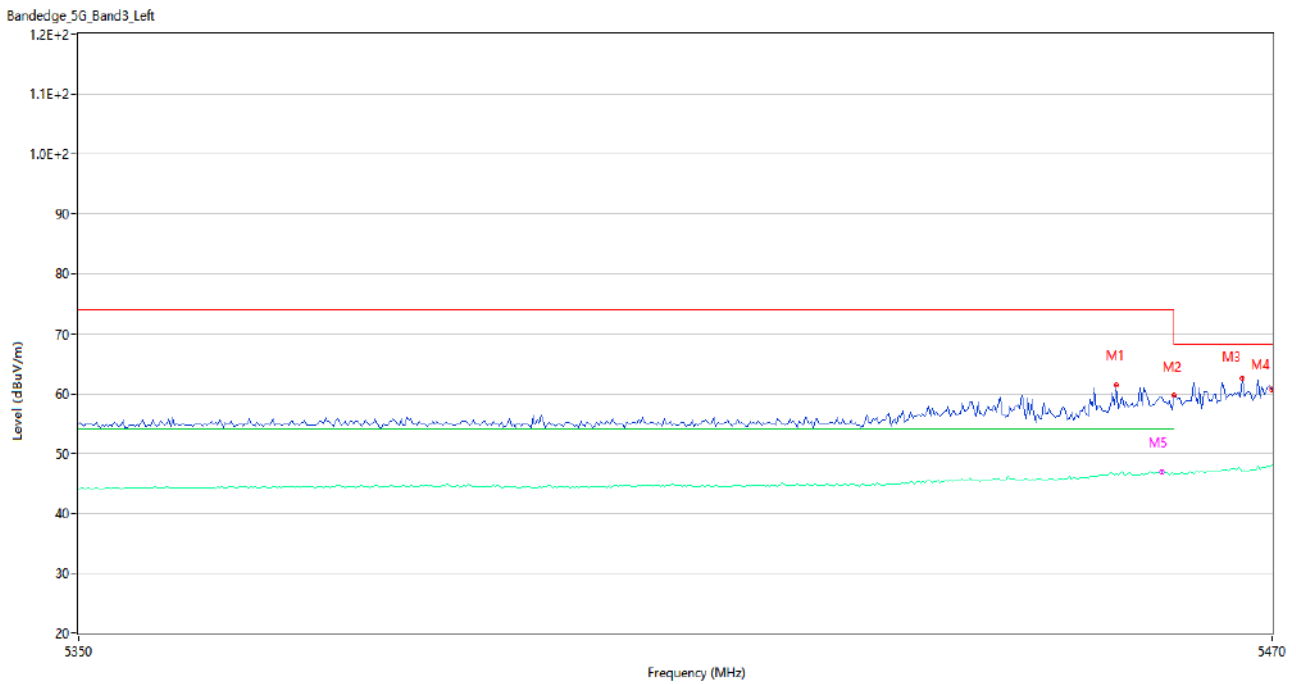


U-NII-2C 11ac40 High Channel



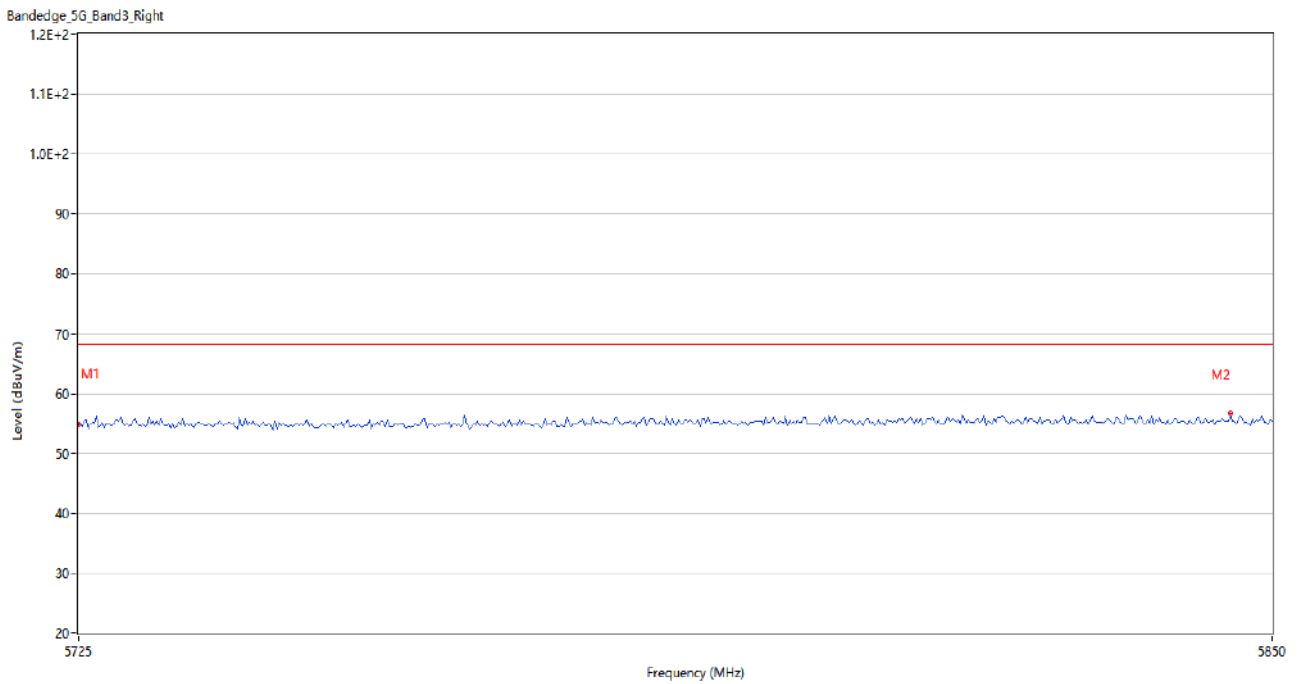
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 59.34            | 0.63        | 68.2           | 8.86        | Peak     | 160.00         | 200         | Horizontal | Pass    |
| 2   | 5729.166        | 61.30            | 0.59        | 68.2           | 6.90        | Peak     | 148.00         | 200         | Horizontal | Pass    |

U-NII-2C 11ac80 Low Channel



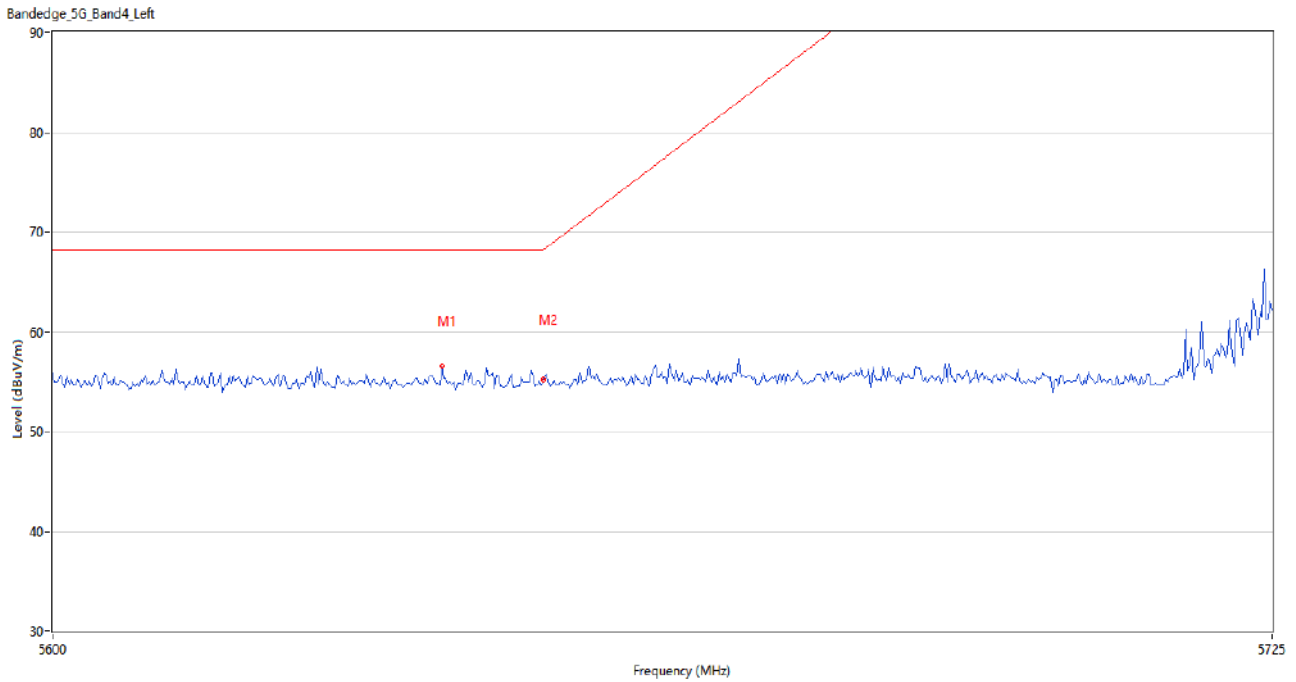
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5454.200        | 61.38            | 1.22        | 74.0           | 12.62       | Peak     | 78.00          | 100         | Horizontal | Pass    |
| 1** | 5454.200        | 46.63            | 1.22        | 54.0           | 7.37        | AV       | 78.00          | 100         | Horizontal | Pass    |
| 2   | 5460.000        | 59.69            | 1.23        | 74.0           | 14.31       | Peak     | 137.00         | 200         | Horizontal | Pass    |
| 2** | 5460.000        | 46.41            | 1.23        | 54.0           | 7.59        | AV       | 137.00         | 200         | Horizontal | Pass    |
| 3   | 5467.000        | 62.53            | 1.32        | 68.2           | 5.67        | Peak     | 91.00          | 200         | Horizontal | Pass    |
| 3** | 5467.000        | 47.01            | 1.32        | --             | --          | AV       | 91.00          | 200         | Horizontal | N/A     |
| 4   | 5470.000        | 60.67            | 1.37        | 68.2           | 7.53        | Peak     | 91.00          | 200         | Horizontal | Pass    |
| 4** | 5470.000        | 48.11            | 1.37        | --             | --          | AV       | 91.00          | 200         | Horizontal | N/A     |
| 5   | 5458.800        | 59.32            | 1.23        | 74.0           | 14.68       | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 5** | 5458.800        | 46.84            | 1.23        | 54.0           | 7.16        | AV       | 73.00          | 150         | Horizontal | Pass    |

U-NII-2C 11ac80 High Channel



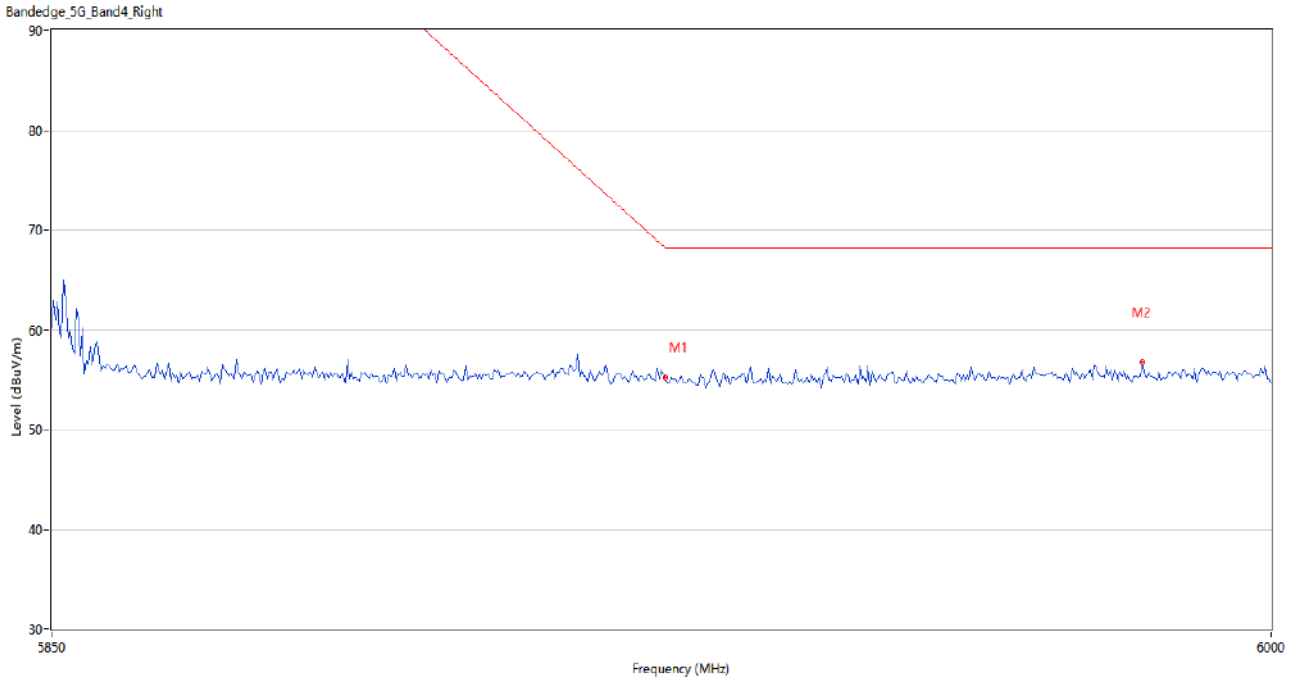
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.000        | 54.82            | 0.63        | 68.2           | 13.38       | Peak     | 241.00         | 150         | Horizontal | Pass    |
| 2   | 5845.625        | 56.73            | 1.24        | 68.2           | 11.47       | Peak     | 73.00          | 200         | Horizontal | Pass    |

U-NII-3 11a Low Channel



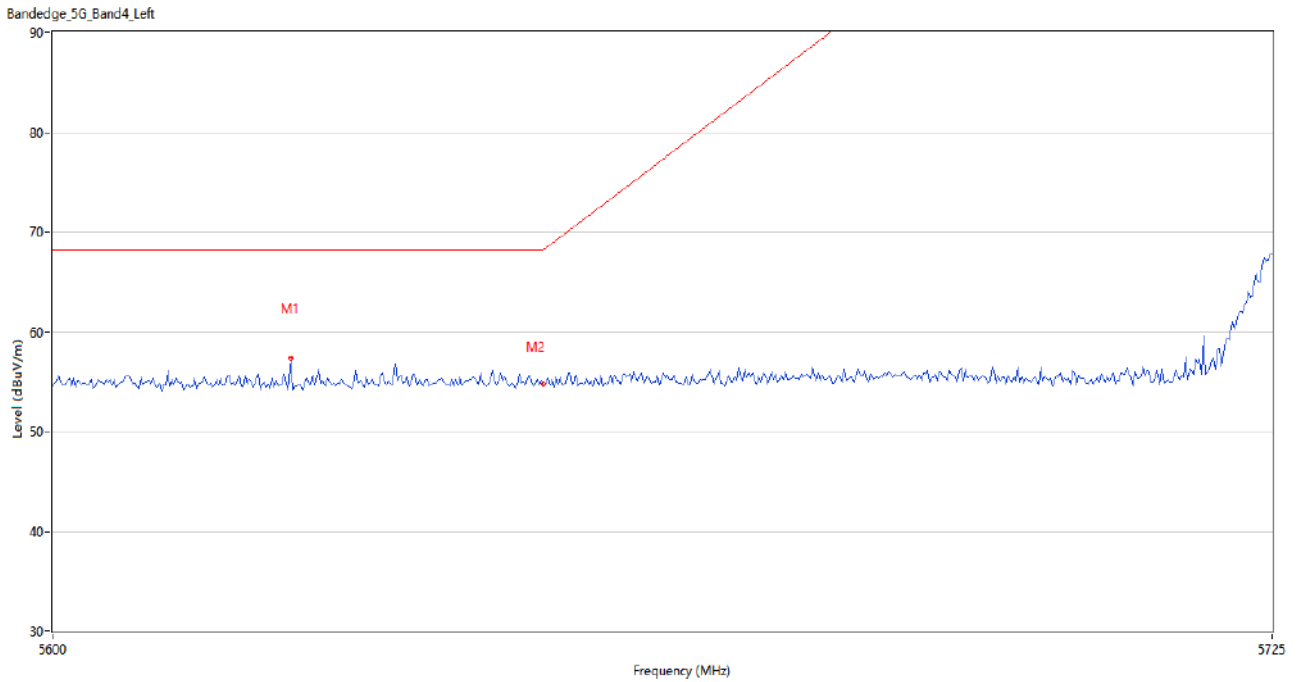
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5639.584        | 56.60            | 0.95        | 68.2           | 11.60       | Peak     | 100.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.22            | 0.79        | 68.2           | 12.98       | Peak     | 333.00         | 150         | Horizontal | Pass    |

U-NII-3 11a High Channel



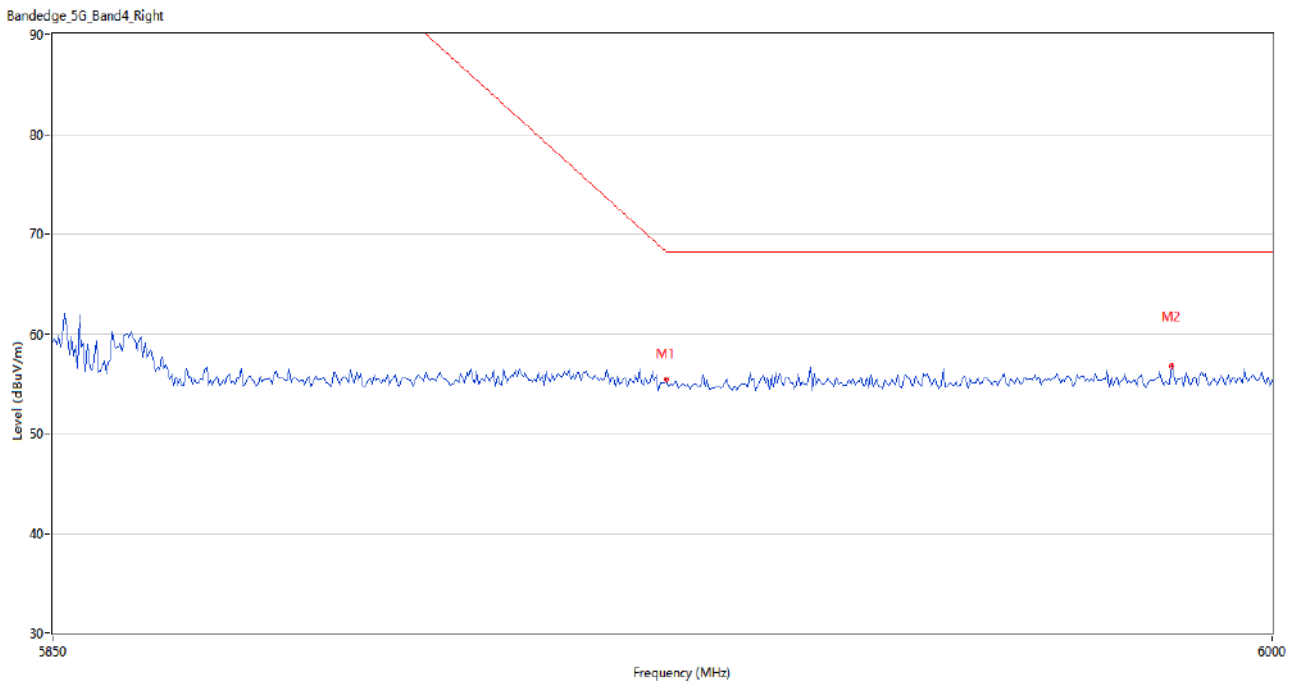
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5925.000        | 55.18            | 1.08        | 68.2           | 13.02       | Peak     | 108.00         | 200         | Horizontal | Pass    |
| 2   | 5984.000        | 56.74            | 0.93        | 68.2           | 11.46       | Peak     | 247.00         | 150         | Horizontal | Pass    |

U-NII-3 11n20 Low Channel



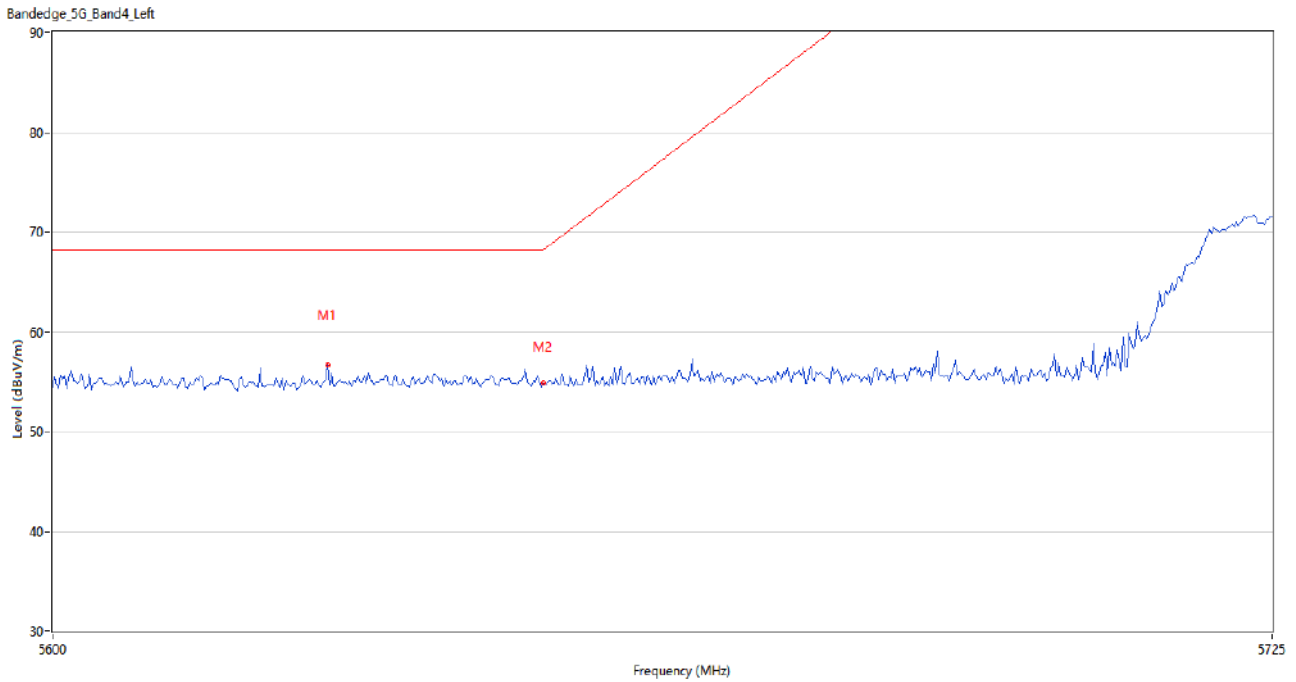
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5624.166        | 57.37            | 0.68        | 68.2           | 10.83       | Peak     | 209.00         | 100         | Horizontal | Pass    |
| 2   | 5650.000        | 54.73            | 0.79        | 68.2           | 13.47       | Peak     | 74.00          | 100         | Horizontal | Pass    |

U-NII-3 11n20 High Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5925.000        | 55.44            | 1.08        | 68.2           | 12.76       | Peak     | 178.00         | 100         | Horizontal | Pass    |
| 2   | 5987.500        | 56.77            | 0.92        | 68.2           | 11.43       | Peak     | 228.00         | 200         | Horizontal | Pass    |

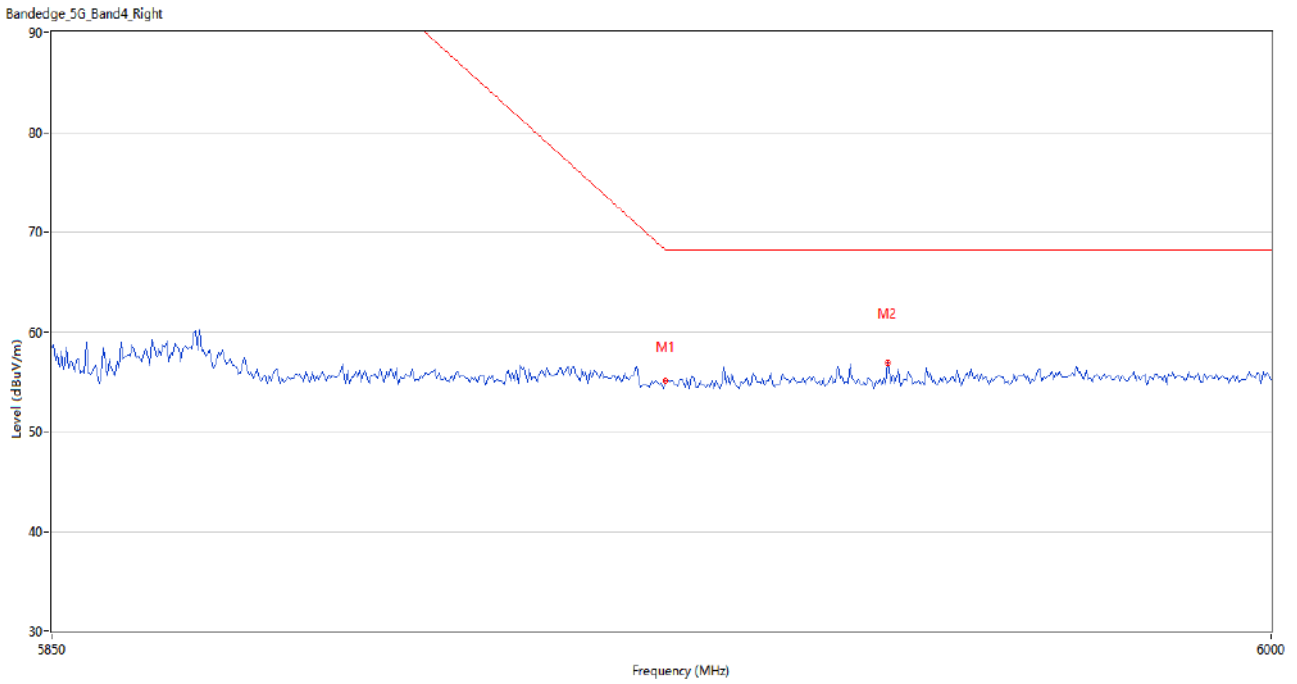
U-NII-3 11n40 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5627.916        | 56.63            | 0.86        | 68.2           | 11.57       | Peak     | 192.00         | 100         | Horizontal | Pass    |
| 2   | 5650.000        | 54.89            | 0.79        | 68.2           | 13.31       | Peak     | 310.00         | 150         | Horizontal | Pass    |

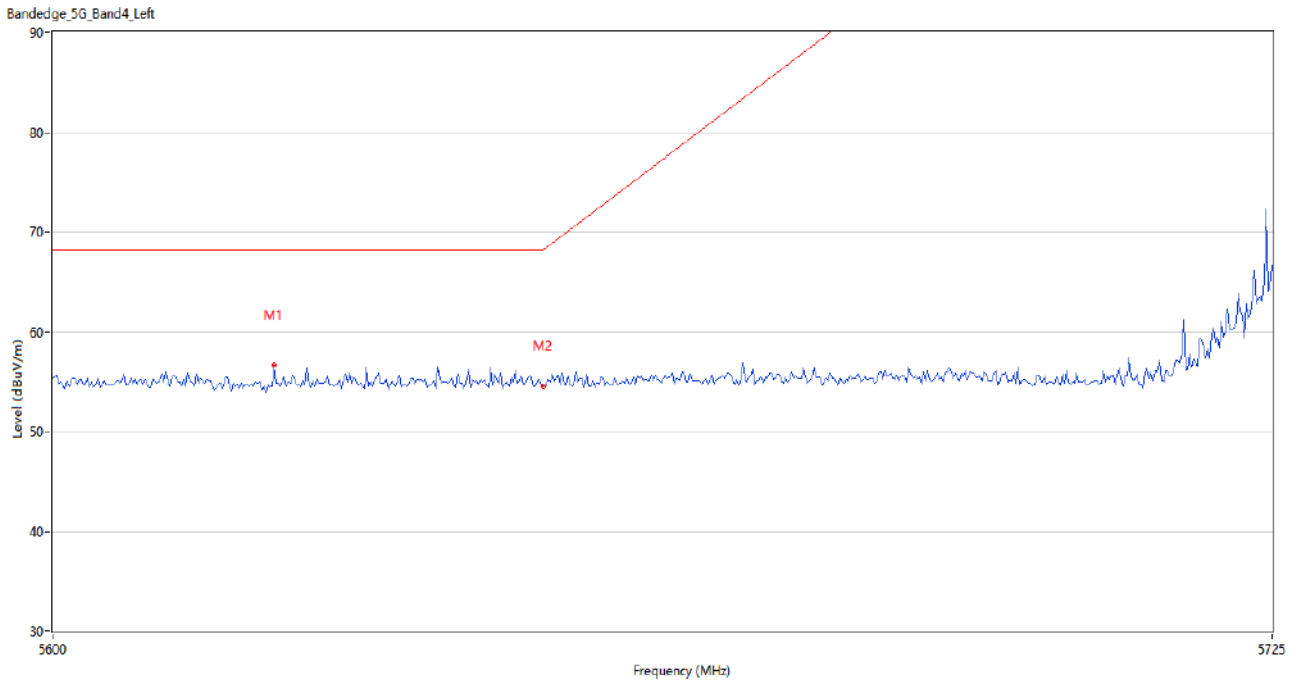


U-NII-3 11n40 High Channel



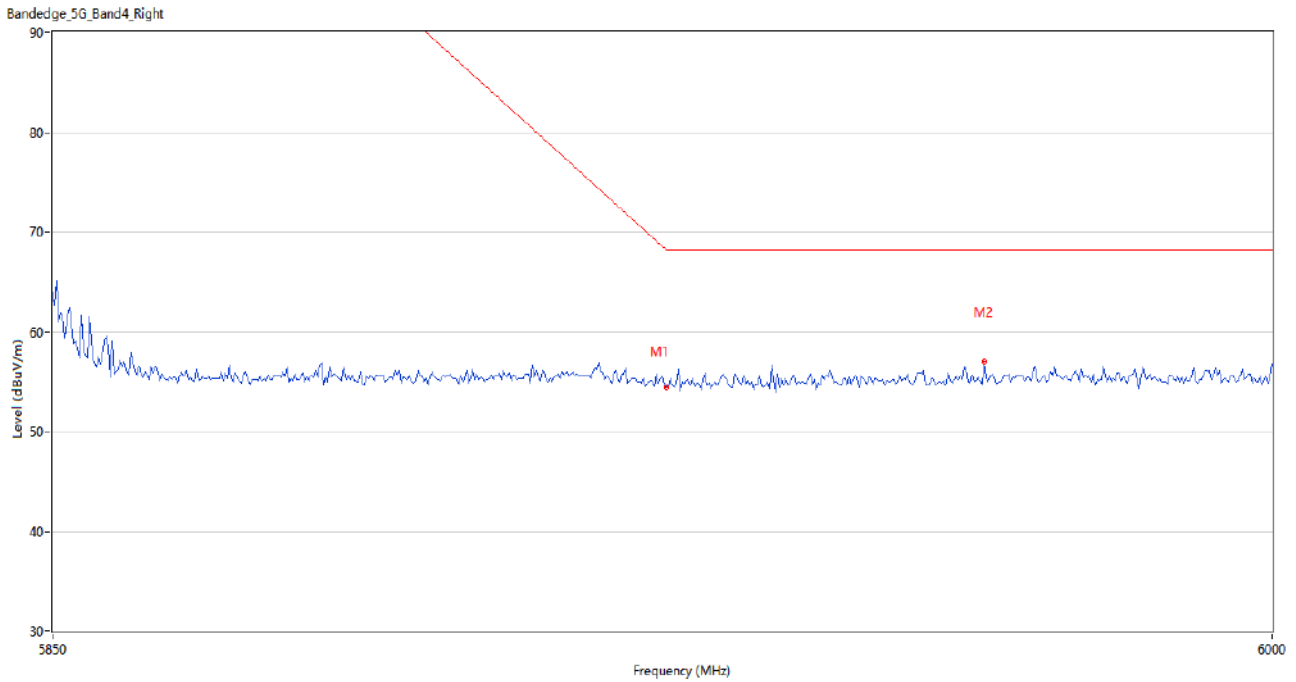
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5925.000        | 55.04            | 1.08        | 68.2           | 13.16       | Peak     | 173.00         | 100         | Horizontal | Pass    |
| 2   | 5952.500        | 56.87            | 1.03        | 68.2           | 11.33       | Peak     | 171.00         | 200         | Horizontal | Pass    |

U-NII-3 11ac20 Low Channel



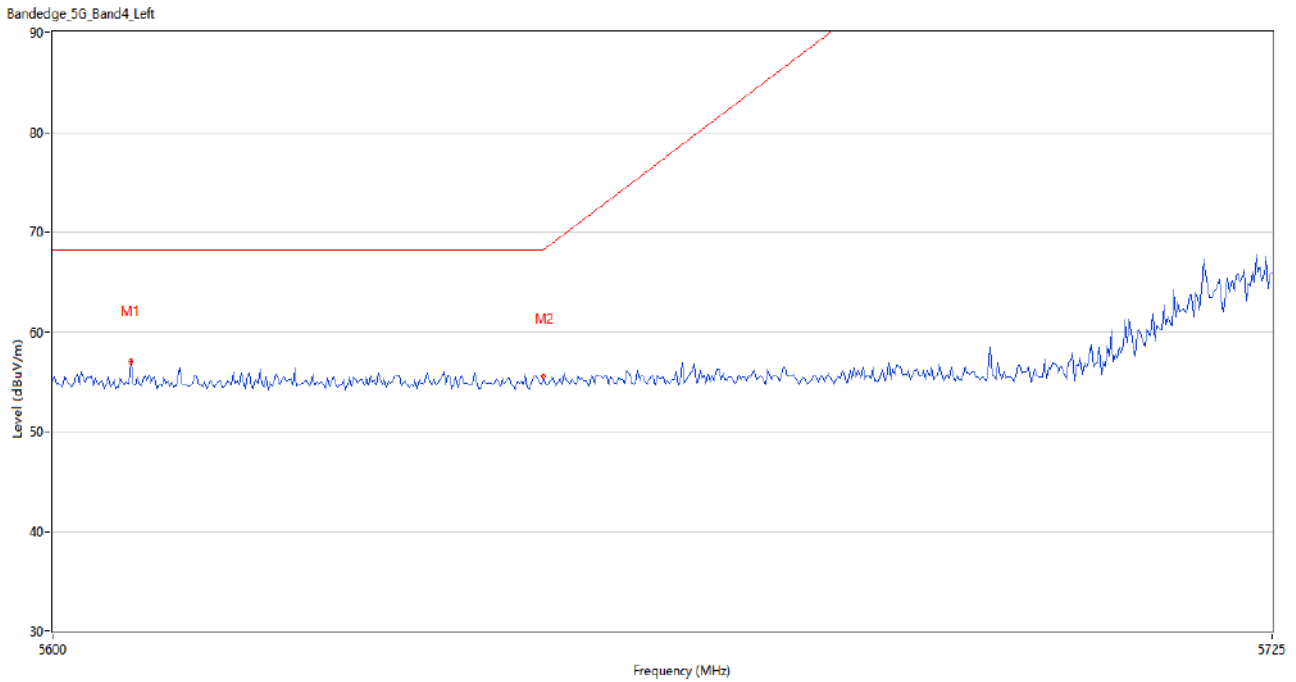
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5622.500        | 56.68            | 0.68        | 68.2           | 11.52       | Peak     | 167.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 54.48            | 0.79        | 68.2           | 13.72       | Peak     | 55.00          | 100         | Horizontal | Pass    |

U-NII-3 11ac20 High Channel



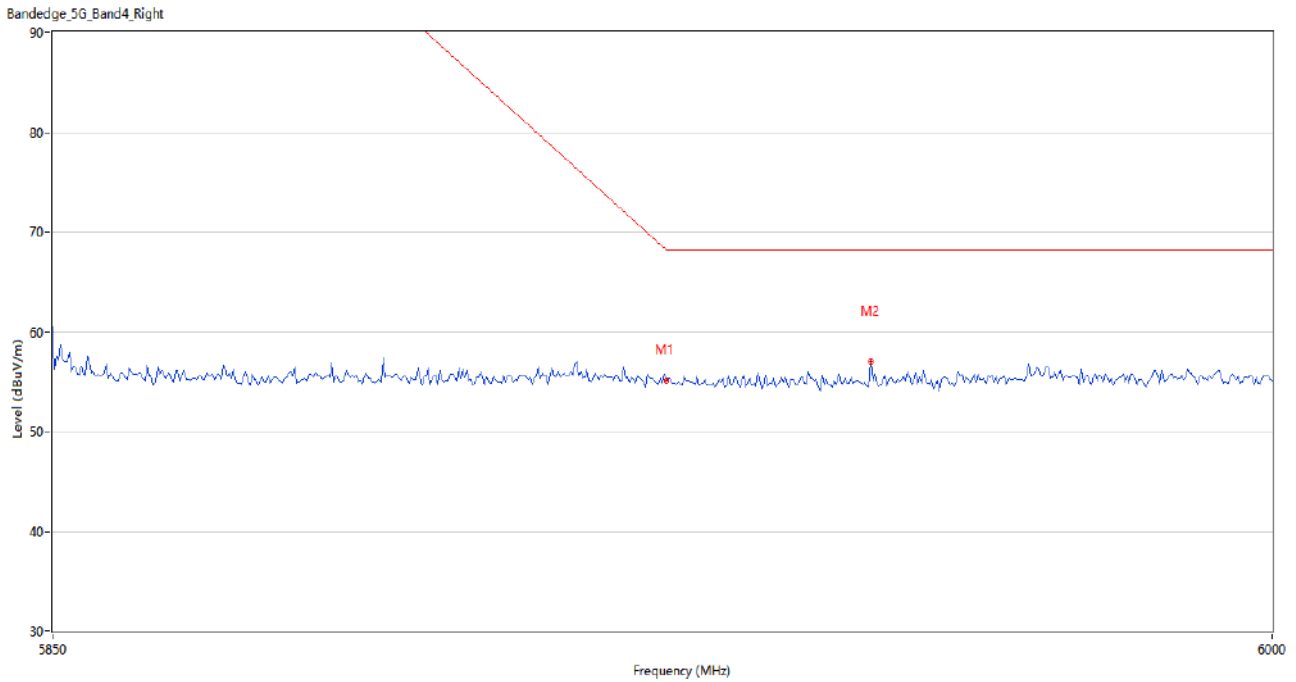
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5925.000        | 54.45            | 1.08        | 68.2           | 13.75       | Peak     | 323.00         | 100         | Horizontal | Pass    |
| 2   | 5964.250        | 56.96            | 1.05        | 68.2           | 11.24       | Peak     | 104.00         | 200         | Horizontal | Pass    |

U-NII-3 11ac40 Low Channel



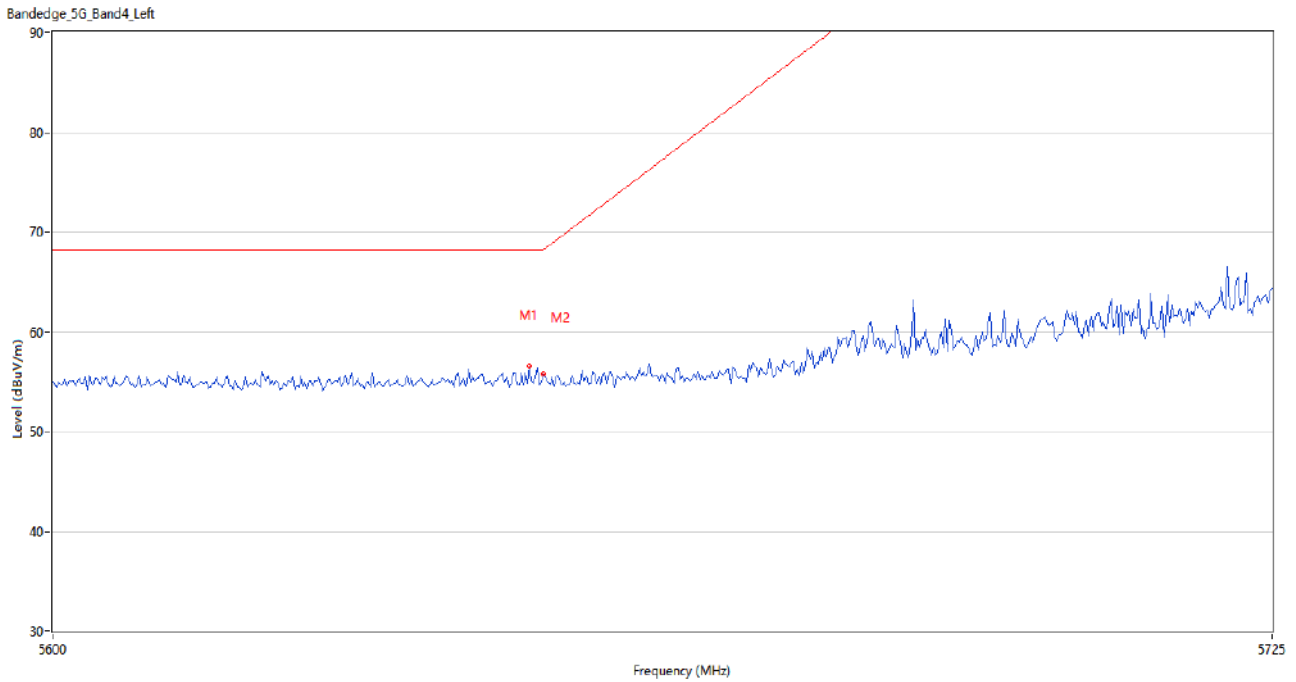
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5607.917        | 57.05            | 0.59        | 68.2           | 11.15       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.50            | 0.79        | 68.2           | 12.70       | Peak     | 95.00          | 200         | Horizontal | Pass    |

U-NII-3 11ac40 High Channel



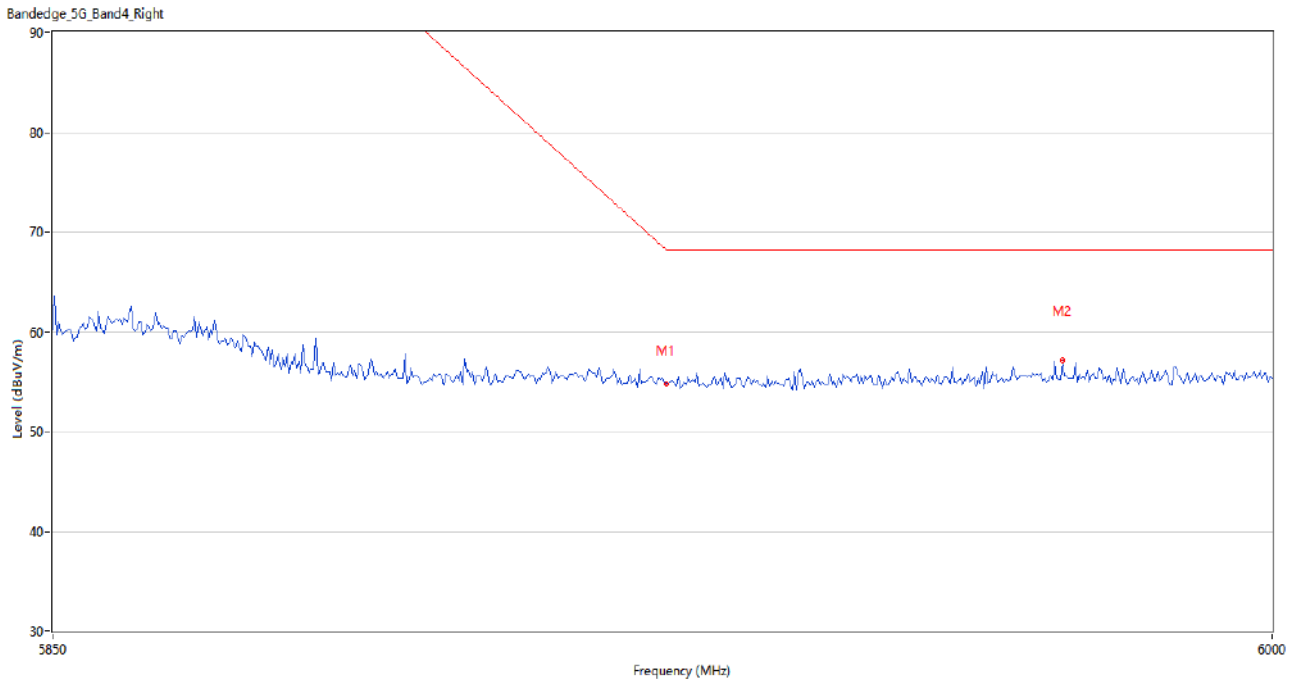
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5925.000        | 55.05            | 1.08        | 68.2           | 13.15       | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 2   | 5950.250        | 57.04            | 1.02        | 68.2           | 11.16       | Peak     | 297.00         | 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   | 5648.542        | 56.60            | 0.77        | 68.2           | 11.60       | Peak     | 75.00          | 150         | Horizontal | Pass    |
| 2   | 5650.000        | 55.82            | 0.79        | 68.2           | 12.38       | Peak     | 358.00         | 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   | 5925.000        | 54.73            | 1.08        | 68.2           | 13.47       | Peak     | 314.00         | 150         | Horizontal | Pass    |
| 2   | 5974.000        | 57.11            | 1.15        | 68.2           | 11.09       | Peak     | 45.00          | 200         | Horizontal | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2380575-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2380575-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2380575-AI.PDF”.



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