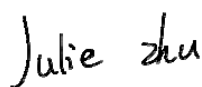


# TEST REPORT

**Applicant:** REOLINK INNOVATION LIMITED  
**Address:** FLAT/RM 705 7/F FA YUEN COMMERCIAL  
BUILDING 75-77 FA YUEN STREET MONG KOK  
KL HONG KONG  
**Equipment Type:** WiFi module  
**Model Name:** WL1NM1001  
**Brand Name:** Reolink  
**FCC ID:** 2AYHE-2402A  
**ISED Number:** 26839-2402A  
**Test Standard:** 47 CFR Part 15 Subpart E  
RSS-Gen Issue 5  
RSS-247 Issue 3  
(refer to section 3.1)  
**Sample Arrival Date:** Apr. 30, 2024  
**Test Date:** May 24, 2024 - Jun. 06, 2024  
**Date of Issue:** Jun. 21, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

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

**Revision History**

| Version        | Issue Date           | Revisions            |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Jun. 21, 2024</u> | <u>Initial Issue</u> |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

|                           |                                                                                                                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                                                                                      |
| Location                  | <input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                                                                         |
|                           | <input type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                  |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.<br>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A. |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                                        |
|-----------|----------------------------------------------------------------------------------------|
| Applicant | REOLINK INNOVATION LIMITED                                                             |
| Address   | FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG |

### 2.2 Manufacturer Information

|              |                                                                                        |
|--------------|----------------------------------------------------------------------------------------|
| Manufacturer | REOLINK INNOVATION LIMITED                                                             |
| Address      | FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN STREET MONG KOK KL HONG KONG |

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

|                                           |                  |
|-------------------------------------------|------------------|
| EUT Name                                  | WiFi module      |
| Model Name Under Test                     | WL1NM1001        |
| Series Model Name                         | N/A              |
| Description of Model name differentiation | N/A              |
| Serial Number                             | 952700Y006OCBLOR |
| Hardware Version                          | N/A              |
| Software Version                          | N/A              |
| Dimensions (Approx.)                      | N/A              |
| Weight (Approx.)                          | N/A              |

## 2.4 Technical Information

|                                   |                                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | Bluetooth BLE<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac<br>U-NII-1/2A/2C/3 |
|-----------------------------------|------------------------------------------------------------------------------------------|

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

|                                                               |                                                                                                                                                                        |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range                                               | U-NII-1: 5150 MHz to 5250 MHz,<br>U-NII-2A: 5250 MHz to 5350 MHz,<br>U-NII-2C: 5470 MHz to 5725 MHz,<br>U-NII-3: 5725 MHz to 5850 MHz                                  |
| Product Type                                                  | <input checked="" type="checkbox"/> Mobile<br><input type="checkbox"/> Portable<br><input type="checkbox"/> Fix Location<br>Indoor for IC standard                     |
| Modulation technology                                         | OFDM                                                                                                                                                                   |
| Modulation Type                                               | 256QAM, 64QAM, 16QAM, BPSK, QPSK                                                                                                                                       |
| Transfer Rate (Mbps)<br>(Single RF path)                      | 802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps<br>802.11n: up to 150 Mbps<br>802.11ac: up to VHT-MCS9                                                                      |
| Channel Bandwidth                                             | 802.11a: 20 MHz<br>802.11n: 20 MHz<br>802.11ac: 20 MHz                                                                                                                 |
| Maximum Output Power                                          | U-NII-1: 24.15 mW<br>U-NII-2A: 24.38 mW<br>U-NII-2C: 23.93 mW<br>U-NII-3: 23.39 mW                                                                                     |
| Antenna System (eg.,<br>MIMO, Smart Antenna)                  | N/A                                                                                                                                                                    |
| Categorization as<br>Correlated or<br>Completely Uncorrelated | N/A                                                                                                                                                                    |
| Antenna Type                                                  | FPC Antenna                                                                                                                                                            |
| Antenna Gain                                                  | U-NII-1: 5150 MHz to 5250 MHz: 2.1 dBi<br>U-NII-2A: 5250 MHz to 5350 MHz: 2.6 dBi<br>U-NII-2C: 5470 MHz to 5725 MHz: 2.8 dBi<br>U-NII-3: 5725 MHz to 5850 MHz: 2.5 dBi |
| About the Product                                             | The equipment is WiFi module, intended for used with information technology equipment.                                                                                 |

## 2.5 Channel List

| 20 MHz         |                 |
|----------------|-----------------|
| Channel Number | Frequency (MHz) |
| <b>36</b>      | <b>5180</b>     |
| 40             | 5200            |
| <b>44</b>      | <b>5220</b>     |
| <b>48</b>      | <b>5240</b>     |
| <b>52</b>      | <b>5260</b>     |
| 56             | 5280            |
| <b>60</b>      | <b>5300</b>     |
| <b>64</b>      | <b>5320</b>     |
| <b>100</b>     | <b>5500</b>     |
| 104            | 5520            |
| 108            | 5540            |
| 112            | 5560            |
| <b>116</b>     | <b>5580</b>     |
| 120            | 5600            |
| 124            | 5620            |
| 128            | 5640            |
| 132            | 5660            |
| 136            | 5680            |
| <b>140</b>     | <b>5700</b>     |
| <b>149</b>     | <b>5745</b>     |
| 153            | 5765            |
| <b>157</b>     | <b>5785</b>     |
| 161            | 5805            |
| <b>165</b>     | <b>5825</b>     |

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

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

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

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

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 |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
| 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 |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
| 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 |
|                                             | 11ac(20 MHz) | 6.5       |                 | N/A      | N/A      | N/A         | 165/157/149 |
| 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 |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
| 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 |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 140/116/100 | 165/157/149 |
| 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     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/36    | 64/52    | 140/100     | 165/149     |

### 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   | RSS-Gen Issue 5                  | General Requirements for Compliance of Radio Apparatus                                                                     |
| 3   | RSS-247 Issue 3                  | Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices |
| 4   | KDB Publication 789033 D02v02r01 | Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E     |
| 5   | ANSI C63.10-2013                 | American National Standard for Testing Unlicensed Wireless Devices                                                         |

#### 3.2 Test Verdict

| No. | Description                                                 | FCC Part No. | RSS Part No.   | Test Result | Verdict               |
|-----|-------------------------------------------------------------|--------------|----------------|-------------|-----------------------|
| 1   | Antenna Requirement                                         | 15.203       | RSS-247, 6.2   | --          | Pass <sup>Note1</sup> |
| 2   | RF Output Power                                             | 15.407(a)    | RSS-247, 6.2   | ANNEX A.1   | Pass                  |
| 3   | Emission Bandwidth & 99% Occupied Bandwidth                 | 15.407(a)    | RSS-247, 6.2   | ANNEX A.2   | Pass                  |
| 4   | 6 dB bandwidth                                              | 15.407(e)    | RSS-247, 6.2   | ANNEX A.3   | Pass                  |
| 5   | Power Spectral Density                                      | 15.407(a)    | RSS-247, 6.2   | ANNEX A.4   | Pass                  |
| 6   | Conducted Emission                                          | 15.207       | RSS-GEN, 8.8   | ANNEX A.5   | Pass                  |
| 7   | Radiated Spurious Emissions and Band Edge (Restricted-band) | 15.407(b)    | RSS-247, 6.2   | ANNEX A.6   | Pass                  |
| 8   | Receiver Spurious Emissions                                 | --           | RSS-Gen, 7.1.2 | --          | N/A <sup>Note2</sup>  |

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>: Only radio communication receivers operating in stand-alone mode within the U-NII-30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note <sup>3</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          | 50% to 65%              |                    |
| Atmospheric Pressure       | 100 kPa to 102 kPa      |                    |
| Temperature                | NT (Normal Temperature) | +21.8°C to +24.9°C |
|                            | LT (Low Temperature)    | -10.0°C            |
|                            | HT (High Temperature)   | +55.0°C            |
| Working Voltage of the EUT | NV (Normal Voltage)     | 3.3 V              |
|                            | LV (Low Voltage)        | 2.8 V              |
|                            | HV (High Voltage)       | 3.8 V              |

### 4.2 Test Equipment List

| Description         | Manufacturer               | Model             | Serial No.  | Cal. Date  | Cal. Due   |
|---------------------|----------------------------|-------------------|-------------|------------|------------|
| Spectrum Analyzer   | KEYSIGHT                   | N9020A            | MY50330200  | 2024.05.08 | 2025.05.07 |
| Spectrum Analyzer   | ROHDE&SCHWARZ              | FSV-40            | 101544      | 2023.12.27 | 2024.12.26 |
| Power Sensor        | KEYSIGHT                   | U2063XA           | MY58000251  | 2023.07.12 | 2024.07.11 |
| Spectrum Analyzer   | KEYSIGHT                   | N9020A            | MY50531259  | 2023.09.05 | 2024.09.04 |
| Signaling Unit      | ROHDE&SCHWARZ              | CMW500            | 171150      | 2023.06.19 | 2024.06.18 |
| Test Antenna-Horn   | SCHWARZBECK                | BBHA 9120D        | 02460       | 2024.05.16 | 2027.05.15 |
| Test Antenna-Horn   | A-INFO                     | LB-180400KF       | J211060273  | 2021.07.02 | 2024.07.01 |
| Anechoic Chamber    | RAINFORD                   | 9m*6m*6m          | 140         | 2022.02.19 | 2024.08.15 |
| Amplifier           | COM-MV                     | LSCX_LNA1-12G-01  | 7210214     | 2023.09.05 | 2024.09.04 |
| Amplifier           | COM-MV                     | XKu_LNA7-18G-01   | 7210209     | 2023.09.05 | 2024.09.04 |
| Amplifier           | COM-MV                     | KA LNA18 40G-01   | 18050001    | 2023.12.06 | 2024.12.05 |
| EMI Receiver        | ROHDE&SCHWARZ              | ESRP              | 101036      | 2023.09.05 | 2024.09.04 |
| Test Antenna-Bi-Log | SCHWARZBECK                | VULB 9168         | 9168-01162  | 2023.08.04 | 2024.08.03 |
| Test Antenna-Loop   | SCHWARZBECK                | FMZB 1519         | 1519-037    | 2024.01.23 | 2025.01.22 |
| Amplifier           | COM-MV                     | ZT30-1000M        | B2018054558 | 2023.12.05 | 2024.12.04 |
| Anechoic Chamber    | EMC Electronic Co., Ltd    | 20.10*11.60*7.35m | 130         | 2021.08.15 | 2024.08.14 |
| EMI Receiver        | KEYSIGHT                   | N9010B            | MY57110309  | 2023.09.05 | 2024.09.04 |
| LISN                | SCHWARZBECK                | NSLK 8127         | 8127-687    | 2024.05.09 | 2025.05.08 |
| Shielded Enclosure  | YiHeng Electronic Co., Ltd | 3.5m*3.1m*2.8 m   | 112         | 2022.02.19 | 2025.02.18 |

### 4.3 Test Software List

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

### 4.4 Measurement Uncertainty

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

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

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

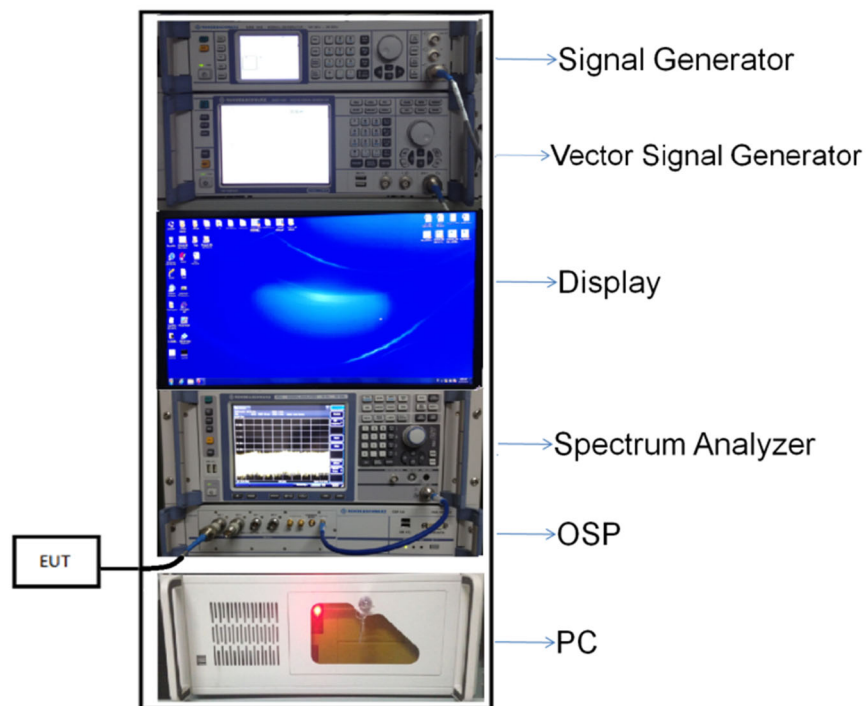
## 4.5 Description of Test Setup

### 4.5.1 For Antenna Port Test

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

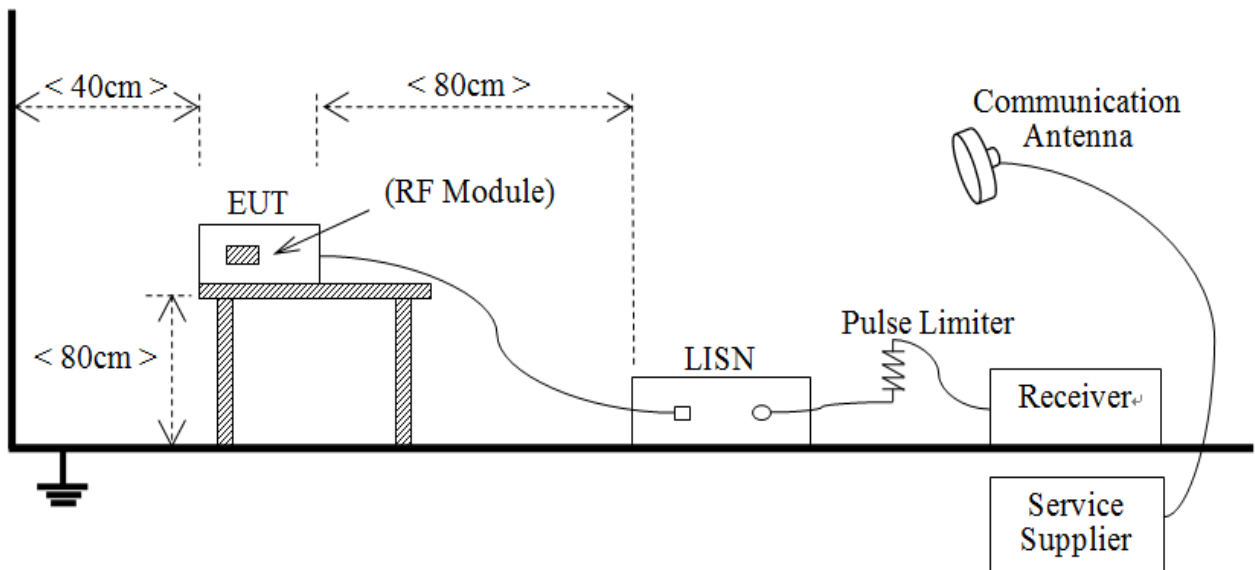
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

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



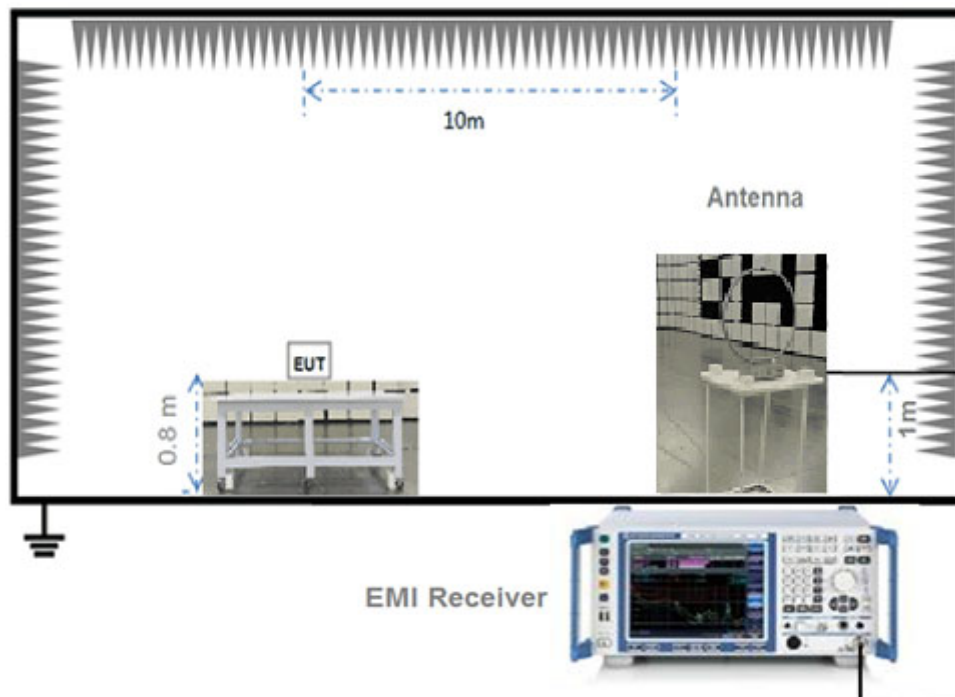
(Diagram 1)

#### 4.5.2 For AC Power Supply Port Test



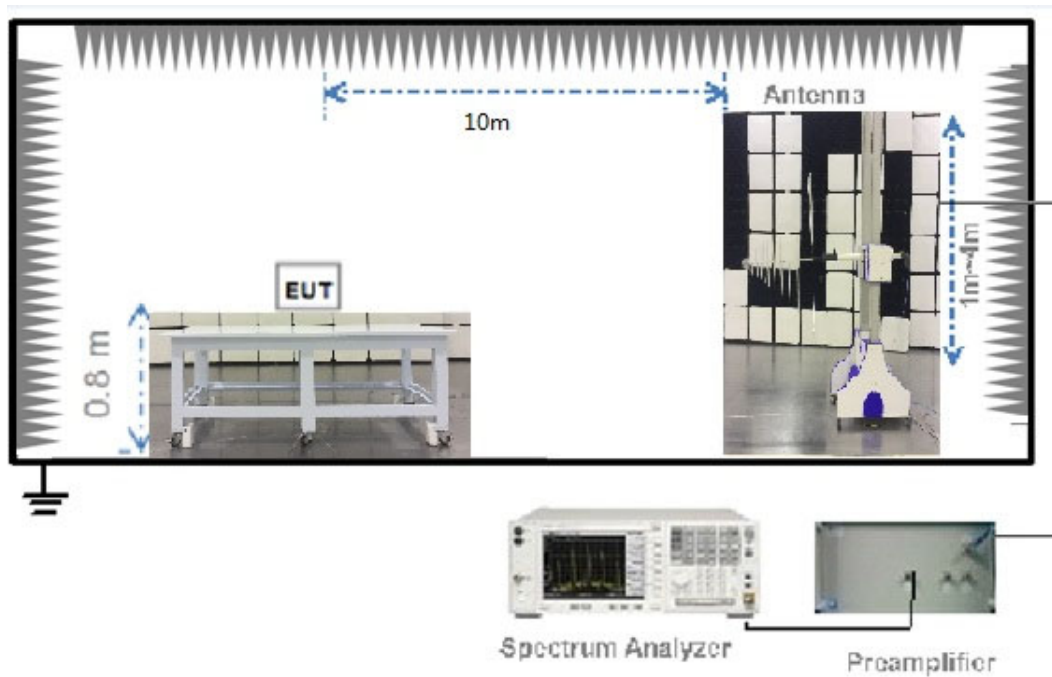
(Diagram 2)

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



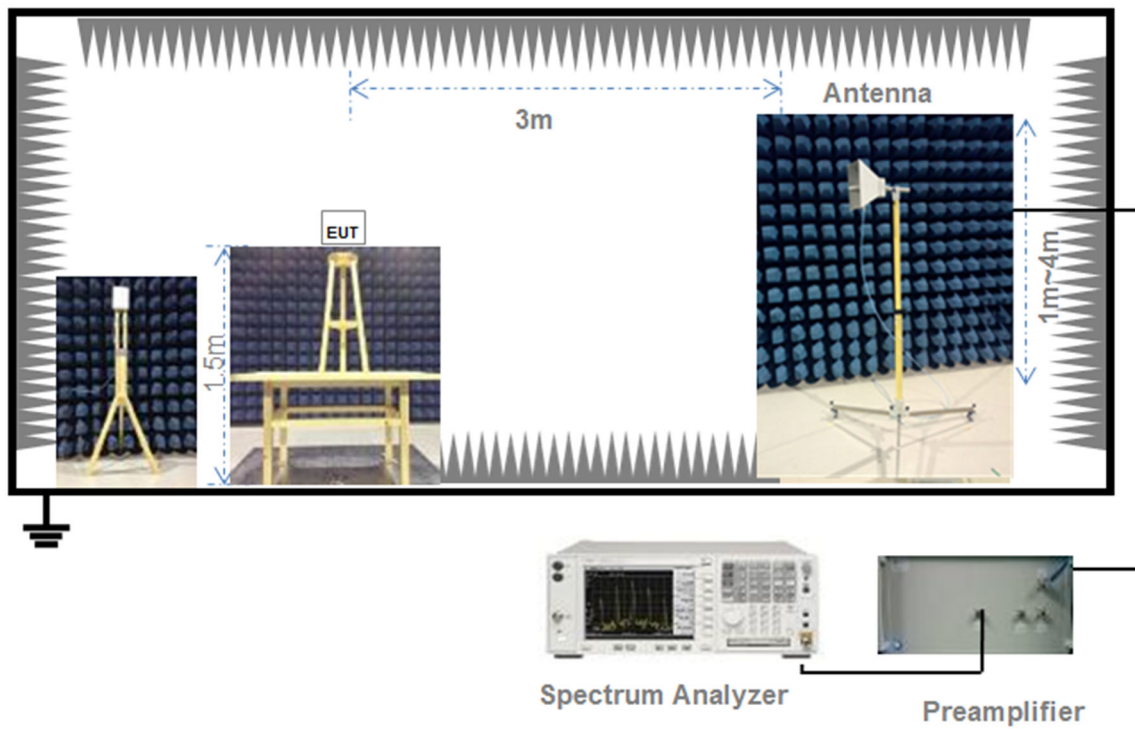
(Diagram 3)

#### 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. |                                                |

RSS-247, 6.2

The maximum conducted output power shall not exceed:

| Frequency Band (MHz)                                   | Limit                                          |
|--------------------------------------------------------|------------------------------------------------|
| 5150-5250                                              | N/A                                            |
| 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 99% emissions bandwidth in MHz. |                                                |

The maximum e.i.r.p. shall not exceed:

| Frequency Band (MHz)                                       | Limit                                          |
|------------------------------------------------------------|------------------------------------------------|
| 5150-5250                                                  | 200 mW or 10 dBm + 10log B, whichever is less. |
| 5250-5350                                                  | 1W or 17 dBm + 10log B, whichever is less.     |
| 5470-5725                                                  | 1W or 17 dBm + 10log B, whichever is less.     |
| 5725-5850                                                  | N/A                                            |
| Note1: Where “B” is the 99% emissions bandwidth in MHz.    |                                                |
| Note2: EIRP= maximum conducted output power+ Antenna Gain. |                                                |

#### 5.1.2 Test Setup

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

#### 5.1.3 Test Procedure

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

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

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

at least a factor of five.

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

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

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

#### Measurements of duty cycle

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

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

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

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

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

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

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Emission Bandwidth and 6 dB Bandwidth

### 5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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 |

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

The e.i.r.p. spectral density should not exceed:

| Frequency Band (MHz)                                                     | Limit      |
|--------------------------------------------------------------------------|------------|
| 5150-5250                                                                | 10 dBm/MHz |
| 5250-5350                                                                | N/A        |
| 5470-5725                                                                | N/A        |
| 5725-5850                                                                | N/A        |
| e.i.r.p. spectral density= maximum power spectral density+ Antenna Gain. |            |

### 5.3.2 Test Setup

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

### 5.3.3 Test Procedure

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

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

### 5.3.4 Test Result

Please refer to ANNEX A.4.

## 5.4 Conducted Emission

### 5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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)

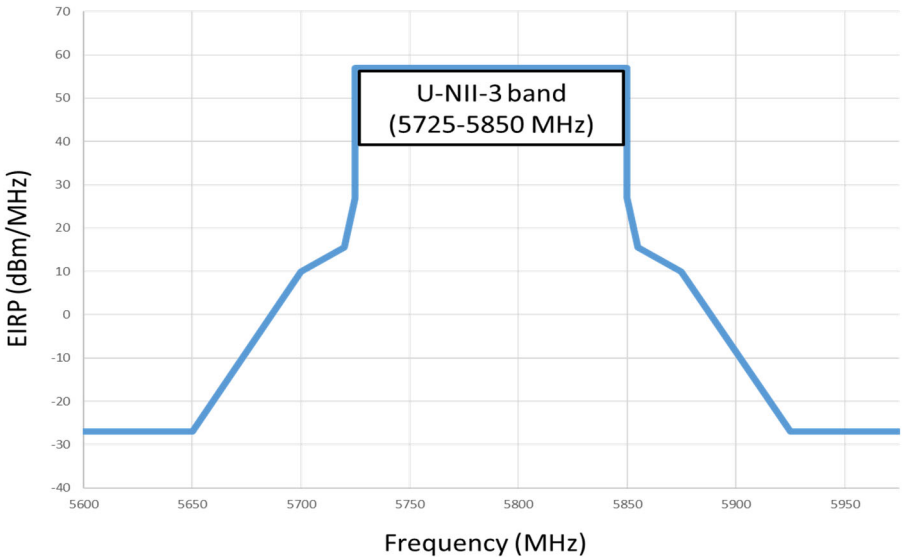
### 5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

| 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 <sup>1</sup>: 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.

Note <sup>2</sup>: For IC standard, the U-NII-3 (5725 - 5850 MHz) maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Duty Cycle

| Test Mode               | On Time (ms) | On+Off time (ms) | Duty Cycle | Duty Factor |
|-------------------------|--------------|------------------|------------|-------------|
| 11a                     | 1.39         | 1.72             | 81.11%     | 0.91        |
| 11n (HT20)/11ac (VHT20) | 1.31         | 1.64             | 80.00%     | 0.97        |

#### Test Data

##### Conducted Power

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 13.77                 | 23.82                | 250            | Pass    |
| 11a                       | CH44    | 13.79                 | 23.93                | 250            | Pass    |
| 11a                       | CH48    | 13.41                 | 21.93                | 250            | Pass    |
| 11n (HT20)                | CH36    | 13.66                 | 23.23                | 250            | Pass    |
| 11n (HT20)                | CH44    | 13.68                 | 23.33                | 250            | Pass    |
| 11n (HT20)                | CH48    | 13.80                 | 23.99                | 250            | Pass    |
| 11ac (VHT20)              | CH36    | 13.64                 | 23.12                | 250            | Pass    |
| 11ac (VHT20)              | CH44    | 13.68                 | 23.33                | 250            | Pass    |
| 11ac (VHT20)              | CH48    | 13.83                 | 24.15                | 250            | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                      |                |               |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | IC Limit (mW) | Verdict |
| 11a                        | CH52    | 13.36                 | 21.68                | 250            | 208           | Pass    |
| 11a                        | CH60    | 13.74                 | 23.66                | 250            | 208           | Pass    |
| 11a                        | CH64    | 13.43                 | 22.03                | 250            | 208           | Pass    |
| 11n (HT20)                 | CH52    | 13.72                 | 23.55                | 250            | 221           | Pass    |
| 11n (HT20)                 | CH60    | 13.64                 | 23.12                | 250            | 221           | Pass    |
| 11n (HT20)                 | CH64    | 13.87                 | 24.38                | 250            | 221           | Pass    |
| 11ac (VHT20)               | CH52    | 13.82                 | 24.10                | 250            | 221           | Pass    |
| 11ac (VHT20)               | CH60    | 13.65                 | 23.17                | 250            | 221           | Pass    |
| 11ac (VHT20)               | CH64    | 13.84                 | 24.21                | 250            | 221           | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                      |                |               |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | IC Limit (mW) | Verdict |
| 11a                        | CH100   | 13.79                 | 23.93                | 250            | 208           | Pass    |
| 11a                        | CH116   | 13.78                 | 23.88                | 250            | 208           | Pass    |
| 11a                        | CH140   | 13.67                 | 23.28                | 250            | 208           | Pass    |
| 11n (HT20)                 | CH100   | 13.68                 | 23.33                | 250            | 221           | Pass    |
| 11n (HT20)                 | CH116   | 13.67                 | 23.28                | 250            | 221           | Pass    |
| 11n (HT20)                 | CH140   | 13.55                 | 22.65                | 250            | 221           | Pass    |
| 11ac (VHT20)               | CH100   | 13.57                 | 22.75                | 250            | 221           | Pass    |
| 11ac (VHT20)               | CH116   | 13.64                 | 23.12                | 250            | 221           | Pass    |
| 11ac (VHT20)               | CH140   | 13.53                 | 22.54                | 250            | 221           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                   |         |
|---------------------------|---------|-----------------------|----------------------|-------------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC&IC Limit (mW) | Verdict |
| 11a                       | CH149   | 13.53                 | 22.54                | 1000              | Pass    |
| 11a                       | CH157   | 13.69                 | 23.39                | 1000              | Pass    |
| 11a                       | CH165   | 13.56                 | 22.70                | 1000              | Pass    |
| 11n (HT20)                | CH149   | 13.42                 | 21.98                | 1000              | Pass    |
| 11n (HT20)                | CH157   | 13.56                 | 22.70                | 1000              | Pass    |
| 11n (HT20)                | CH165   | 13.41                 | 21.93                | 1000              | Pass    |
| 11ac (VHT20)              | CH149   | 13.43                 | 22.03                | 1000              | Pass    |
| 11ac (VHT20)              | CH157   | 13.55                 | 22.65                | 1000              | Pass    |
| 11ac (VHT20)              | CH165   | 12.97                 | 19.82                | 1000              | Pass    |

E.I.R.P

| U-NII-1 (5150 - 5250 MHz) |         |               |              |                    |         |
|---------------------------|---------|---------------|--------------|--------------------|---------|
| Mode                      | Channel | E.I.R.P (dBm) | E.I.R.P (mW) | E.I.R.P Limit (mW) | Verdict |
| 11a                       | CH36    | 15.87         | 38.64        | 165                | Pass    |
| 11a                       | CH44    | 15.89         | 38.82        | 166                | Pass    |
| 11a                       | CH48    | 15.51         | 35.56        | 165                | Pass    |
| 11n (HT20)                | CH36    | 15.76         | 37.67        | 176                | Pass    |
| 11n (HT20)                | CH44    | 15.78         | 37.84        | 176                | Pass    |
| 11n (HT20)                | CH48    | 15.90         | 38.90        | 175                | Pass    |
| 11ac (VHT20)              | CH36    | 15.74         | 37.50        | 176                | Pass    |
| 11ac (VHT20)              | CH44    | 15.78         | 37.84        | 176                | Pass    |
| 11ac (HVT20)              | CH48    | 15.93         | 39.17        | 176                | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |              |                    |         |
|----------------------------|---------|---------------|--------------|--------------------|---------|
| Mode                       | Channel | E.I.R.P (dBm) | E.I.R.P (mW) | E.I.R.P Limit (mW) | Verdict |
| 11a                        | CH52    | 15.96         | 39.45        | 829                | Pass    |
| 11a                        | CH60    | 16.34         | 43.05        | 830                | Pass    |
| 11a                        | CH64    | 16.03         | 40.09        | 830                | Pass    |
| 11n (HT20)                 | CH52    | 16.32         | 42.85        | 880                | Pass    |
| 11n (HT20)                 | CH60    | 16.24         | 42.07        | 880                | Pass    |
| 11n (HT20)                 | CH64    | 16.47         | 44.36        | 880                | Pass    |
| 11ac (VHT20)               | CH52    | 16.42         | 43.85        | 880                | Pass    |
| 11ac (VHT20)               | CH60    | 16.25         | 42.17        | 880                | Pass    |
| 11ac (HVT20)               | CH64    | 16.44         | 44.06        | 880                | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |               |              |                    |         |
|----------------------------|---------|---------------|--------------|--------------------|---------|
| Mode                       | Channel | E.I.R.P (dBm) | E.I.R.P (mW) | E.I.R.P Limit (mW) | Verdict |
| 11a                        | CH100   | 16.59         | 45.60        | 830                | Pass    |
| 11a                        | CH116   | 16.58         | 45.50        | 829                | Pass    |
| 11a                        | CH140   | 16.47         | 44.36        | 830                | Pass    |
| 11n (HT20)                 | CH100   | 16.48         | 44.46        | 880                | Pass    |
| 11n (HT20)                 | CH116   | 16.47         | 44.36        | 880                | Pass    |
| 11n (HT20)                 | CH140   | 16.35         | 43.15        | 880                | Pass    |
| 11ac (VHT20)               | CH100   | 16.37         | 43.35        | 880                | Pass    |
| 11ac (VHT20)               | CH116   | 16.44         | 44.06        | 880                | Pass    |
| 11ac (VHT20)               | CH140   | 16.33         | 42.95        | 880                | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |               |              |         |
|---------------------------|---------|---------------|--------------|---------|
| Mode                      | Channel | E.I.R.P (dBm) | E.I.R.P (mW) | Verdict |
| 11a                       | CH149   | 16.03         | 40.09        | Pass    |
| 11a                       | CH157   | 16.19         | 41.59        | Pass    |
| 11a                       | CH165   | 16.06         | 40.36        | Pass    |
| 11n (HT20)                | CH149   | 15.92         | 39.08        | Pass    |
| 11n (HT20)                | CH157   | 16.06         | 40.36        | Pass    |
| 11n (HT20)                | CH165   | 15.91         | 38.99        | Pass    |
| 11ac (VHT20)              | CH149   | 15.93         | 39.17        | Pass    |
| 11ac (VHT20)              | CH157   | 16.05         | 40.27        | Pass    |
| 11ac (VHT20)              | CH165   | 15.47         | 35.24        | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2450314-603 Data Part 1.pdf".

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 19.91                 | 16.55               |
| 11a                       | CH44    | 19.81                 | 16.55               |
| 11a                       | CH48    | 19.85                 | 16.55               |
| 11n (HT20)                | CH36    | 20.12                 | 17.56               |
| 11n (HT20)                | CH44    | 20.14                 | 17.58               |
| 11n (HT20)                | CH48    | 20.12                 | 17.55               |
| 11ac (VHT20)              | CH36    | 20.23                 | 17.57               |
| 11ac (VHT20)              | CH44    | 20.23                 | 17.56               |
| 11ac (VHT20)              | CH48    | 20.24                 | 17.56               |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH52    | 19.88                 | 16.55               |
| 11a                        | CH60    | 19.88                 | 16.56               |
| 11a                        | CH64    | 19.97                 | 16.56               |
| 11n (HT20)                 | CH52    | 20.15                 | 17.56               |
| 11n (HT20)                 | CH60    | 20.12                 | 17.56               |
| 11n (HT20)                 | CH64    | 20.15                 | 17.56               |
| 11ac (VHT20)               | CH52    | 20.14                 | 17.56               |
| 11ac (VHT20)               | CH60    | 20.17                 | 17.56               |
| 11ac (VHT20)               | CH64    | 20.18                 | 17.56               |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH100   | 19.77                 | 16.56               |
| 11a                        | CH116   | 19.87                 | 16.54               |
| 11a                        | CH140   | 19.90                 | 16.56               |
| 11n (HT20)                 | CH100   | 20.17                 | 17.56               |
| 11n (HT20)                 | CH116   | 20.17                 | 17.55               |
| 11n (HT20)                 | CH140   | 20.17                 | 17.56               |
| 11ac (VHT20)               | CH100   | 20.23                 | 17.56               |
| 11ac (VHT20)               | CH116   | 20.18                 | 17.56               |
| 11ac (VHT20)               | CH140   | 20.14                 | 17.57               |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 19.87                 | 16.56               |
| 11a                       | CH157   | 19.89                 | 16.56               |
| 11a                       | CH165   | 19.88                 | 16.56               |
| 11n (HT20)                | CH149   | 20.15                 | 17.57               |
| 11n (HT20)                | CH157   | 20.13                 | 17.57               |
| 11n (HT20)                | CH165   | 20.14                 | 17.56               |
| 11ac (VHT20)              | CH149   | 20.19                 | 17.56               |
| 11ac (VHT20)              | CH157   | 20.17                 | 17.57               |
| 11ac (VHT20)              | CH165   | 20.31                 | 17.58               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2450314-603 Data Part 2.pdf".

#### Test Data

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 15.40                | 500.00      | Pass    |
| 11a                       | CH157   | 15.70                | 500.00      | Pass    |
| 11a                       | CH165   | 15.30                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 15.30                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.30                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.40                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.30                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.30                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.30                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2450314-603 Data Part 3.pdf".

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |               |                     |         |
|---------------------------|---------|---------------|---------------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | FCC Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | 2.18          | 11.00               | Pass    |
| 11a                       | CH44    | 2.15          | 11.00               | Pass    |
| 11a                       | CH48    | 1.87          | 11.00               | Pass    |
| 11n (HT20)                | CH36    | 1.82          | 11.00               | Pass    |
| 11n (HT20)                | CH44    | 1.97          | 11.00               | Pass    |
| 11n (HT20)                | CH48    | 2.26          | 11.00               | Pass    |
| 11ac (VHT20)              | CH36    | 1.86          | 11.00               | Pass    |
| 11ac (VHT20)              | CH44    | 1.94          | 11.00               | Pass    |
| 11ac (VHT20)              | CH48    | 2.14          | 11.00               | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |                        |         |
|----------------------------|---------|---------------|------------------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | FCC/IC Limit (dBm/MHz) | Verdict |
| 11a                        | CH52    | 1.81          | 11.00                  | Pass    |
| 11a                        | CH60    | 2.29          | 11.00                  | Pass    |
| 11a                        | CH64    | 1.93          | 11.00                  | Pass    |
| 11n (HT20)                 | CH52    | 1.99          | 11.00                  | Pass    |
| 11n (HT20)                 | CH60    | 2.02          | 11.00                  | Pass    |
| 11n (HT20)                 | CH64    | 2.26          | 11.00                  | Pass    |
| 11ac (VHT20)               | CH52    | 1.98          | 11.00                  | Pass    |
| 11ac (VHT20)               | CH60    | 1.87          | 11.00                  | Pass    |
| 11ac (VHT20)               | CH64    | 2.06          | 11.00                  | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |               |                        |         |
|----------------------------|---------|---------------|------------------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | FCC/IC Limit (dBm/MHz) | Verdict |
| 11a                        | CH100   | 2.33          | 11.00                  | Pass    |
| 11a                        | CH116   | 2.49          | 11.00                  | Pass    |
| 11a                        | CH140   | 2.14          | 11.00                  | Pass    |
| 11n (HT20)                 | CH100   | 2.20          | 11.00                  | Pass    |
| 11n (HT20)                 | CH116   | 2.08          | 11.00                  | Pass    |
| 11n (HT20)                 | CH140   | 1.95          | 11.00                  | Pass    |
| 11ac (VHT20)               | CH100   | 1.91          | 11.00                  | Pass    |
| 11ac (VHT20)               | CH116   | 1.97          | 11.00                  | Pass    |
| 11ac (VHT20)               | CH140   | 1.69          | 11.00                  | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                     |                              |         |
|---------------------------|---------|---------------------|------------------------------|---------|
| Mode                      | Channel | PSD<br>(dBm/500kHz) | FCC/IC Limit<br>(dBm/500kHz) | Verdict |
| 11a                       | CH149   | -0.69               | 30.00                        | Pass    |
| 11a                       | CH157   | -0.75               | 30.00                        | Pass    |
| 11a                       | CH165   | -0.50               | 30.00                        | Pass    |
| 11n (HT20)                | CH149   | -0.86               | 30.00                        | Pass    |
| 11n (HT20)                | CH157   | -1.10               | 30.00                        | Pass    |
| 11n (HT20)                | CH165   | -1.11               | 30.00                        | Pass    |
| 11ac (VHT20)              | CH149   | -0.83               | 30.00                        | Pass    |
| 11ac (VHT20)              | CH157   | -1.13               | 30.00                        | Pass    |
| 11ac (VHT20)              | CH165   | -1.07               | 30.00                        | Pass    |

E.I.R.P

| U-NII-1 (5150 - 5250 MHz) |         |               |                         |         |
|---------------------------|---------|---------------|-------------------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | E.I.R.P Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | 4.28          | 10.00                   | Pass    |
| 11a                       | CH44    | 4.25          | 10.00                   | Pass    |
| 11a                       | CH48    | 3.97          | 10.00                   | Pass    |
| 11n (HT20)                | CH36    | 3.92          | 10.00                   | Pass    |
| 11n (HT20)                | CH44    | 4.07          | 10.00                   | Pass    |
| 11n (HT20)                | CH48    | 4.36          | 10.00                   | Pass    |
| 11ac (VHT20)              | CH36    | 3.96          | 10.00                   | Pass    |
| 11ac (VHT20)              | CH44    | 4.04          | 10.00                   | Pass    |
| 11ac (VHT20)              | CH48    | 4.24          | 10.00                   | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |         |
|----------------------------|---------|---------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Verdict |
| 11a                        | CH52    | 4.41          | Pass    |
| 11a                        | CH60    | 4.89          | Pass    |
| 11a                        | CH64    | 4.53          | Pass    |
| 11n (HT20)                 | CH52    | 4.59          | Pass    |
| 11n (HT20)                 | CH60    | 4.62          | Pass    |
| 11n (HT20)                 | CH64    | 4.86          | Pass    |
| 11ac (VHT20)               | CH52    | 4.58          | Pass    |
| 11ac (VHT20)               | CH60    | 4.47          | Pass    |
| 11ac (VHT20)               | CH64    | 4.66          | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |               |         |
|----------------------------|---------|---------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Verdict |
| 11a                        | CH100   | 5.13          | Pass    |
| 11a                        | CH116   | 5.29          | Pass    |
| 11a                        | CH140   | 4.94          | Pass    |
| 11n (HT20)                 | CH100   | 5.00          | Pass    |
| 11n (HT20)                 | CH116   | 4.88          | Pass    |
| 11n (HT20)                 | CH140   | 4.75          | Pass    |
| 11ac (VHT20)               | CH100   | 4.71          | Pass    |
| 11ac (VHT20)               | CH116   | 4.77          | Pass    |
| 11ac (VHT20)               | CH140   | 4.49          | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |         |
|---------------------------|---------|------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Verdict |
| 11a                       | CH149   | 1.81             | Pass    |
| 11a                       | CH157   | 1.75             | Pass    |
| 11a                       | CH165   | 2.00             | Pass    |
| 11n (HT20)                | CH149   | 1.64             | Pass    |
| 11n (HT20)                | CH157   | 1.40             | Pass    |
| 11n (HT20)                | CH165   | 1.39             | Pass    |
| 11ac (VHT20)              | CH149   | 1.67             | Pass    |
| 11ac (VHT20)              | CH157   | 1.37             | Pass    |
| 11ac (VHT20)              | CH165   | 1.43             | Pass    |

## A.5 Conducted Emissions

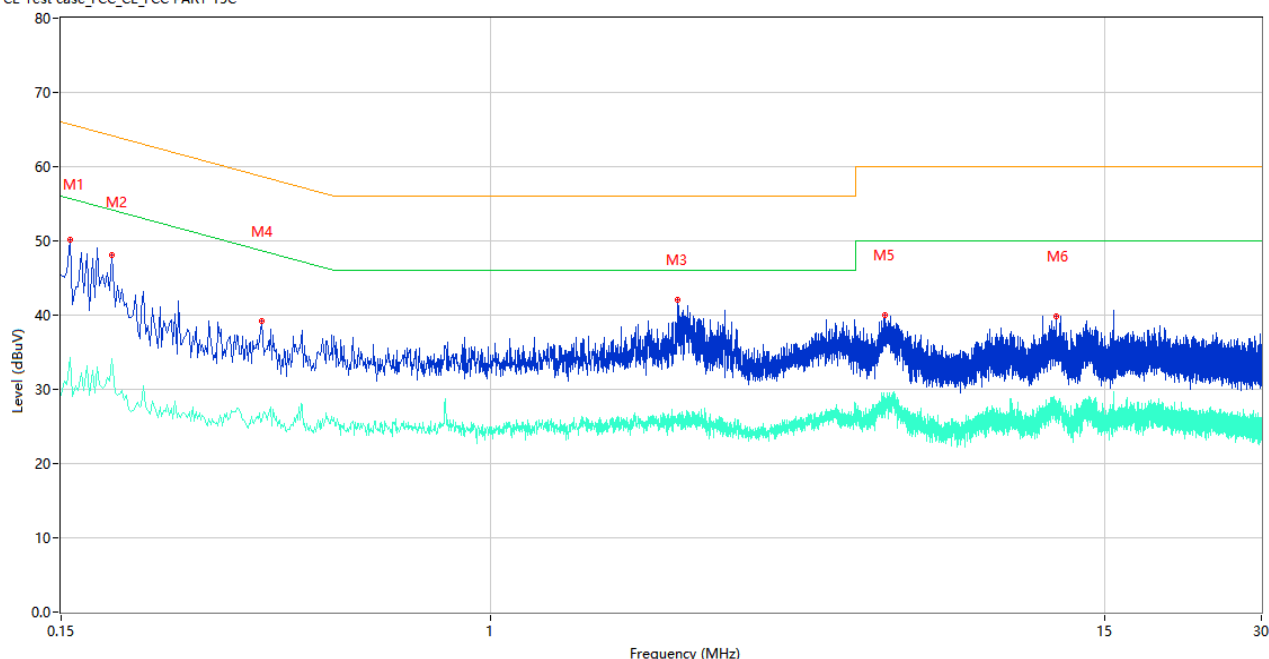
Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

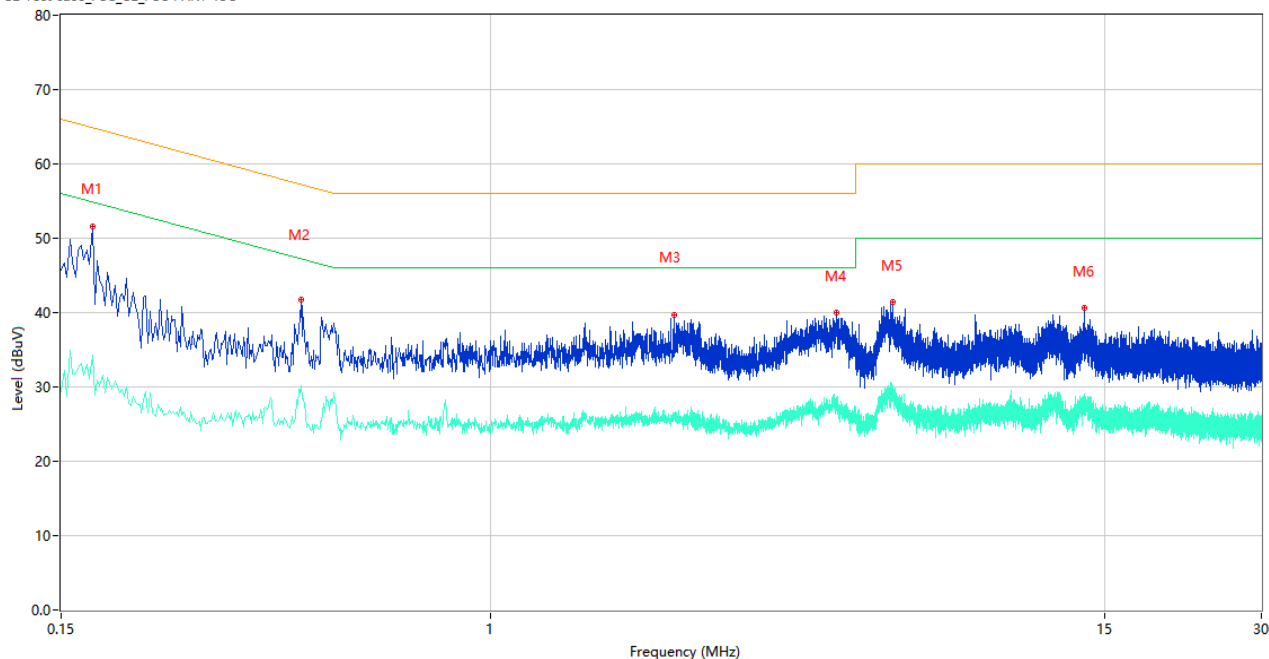
CE Test case\_FCC\_CE\_FCC PART 15C



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.156           | 50.20          | 9.78        | 65.67        | 15.47       | Peak     | L    | Pass    |
| 1** | 0.156           | 34.26          | 9.78        | 55.67        | 21.41       | AV       | L    | Pass    |
| 2   | 0.188           | 48.10          | 9.78        | 64.12        | 16.02       | Peak     | L    | Pass    |
| 2** | 0.188           | 34.12          | 9.78        | 54.12        | 20.00       | AV       | L    | Pass    |
| 3   | 2.282           | 42.00          | 10.26       | 56.00        | 14.00       | Peak     | L    | Pass    |
| 3** | 2.282           | 26.43          | 10.26       | 46.00        | 19.57       | AV       | L    | Pass    |
| 4   | 0.364           | 39.19          | 10.70       | 58.64        | 19.45       | Peak     | L    | Pass    |
| 4** | 0.364           | 25.69          | 10.70       | 48.64        | 22.95       | AV       | L    | Pass    |
| 5   | 5.704           | 40.00          | 10.23       | 60.00        | 20.00       | Peak     | L    | Pass    |
| 5** | 5.704           | 28.86          | 10.23       | 50.00        | 21.14       | AV       | L    | Pass    |
| 6   | 12.118          | 39.90          | 10.43       | 60.00        | 20.10       | Peak     | L    | Pass    |
| 6** | 12.118          | 28.42          | 10.43       | 50.00        | 21.58       | AV       | L    | Pass    |

## PHASE N

CE Test case\_FCC\_CE\_FCC PART 15C



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.172           | 51.64          | 9.78        | 64.86        | 13.22       | Peak     | N    | Pass    |
| 1** | 0.172           | 34.30          | 9.78        | 54.86        | 20.56       | AV       | N    | Pass    |
| 2   | 0.432           | 41.67          | 10.22       | 57.21        | 15.54       | Peak     | N    | Pass    |
| 2** | 0.432           | 30.12          | 10.22       | 47.21        | 17.09       | AV       | N    | Pass    |
| 3   | 2.250           | 39.62          | 10.10       | 56.00        | 16.38       | Peak     | N    | Pass    |
| 3** | 2.250           | 26.37          | 10.10       | 46.00        | 19.63       | AV       | N    | Pass    |
| 4   | 4.602           | 39.95          | 10.52       | 56.00        | 16.05       | Peak     | N    | Pass    |
| 4** | 4.602           | 27.82          | 10.52       | 46.00        | 18.18       | AV       | N    | Pass    |
| 5   | 5.898           | 41.37          | 10.45       | 60.00        | 18.63       | Peak     | N    | Pass    |
| 5** | 5.898           | 28.69          | 10.45       | 50.00        | 21.31       | AV       | N    | Pass    |
| 6   | 13.730          | 40.58          | 10.40       | 60.00        | 19.42       | Peak     | N    | Pass    |
| 6** | 13.730          | 27.67          | 10.40       | 50.00        | 22.33       | AV       | N    | Pass    |

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

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

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

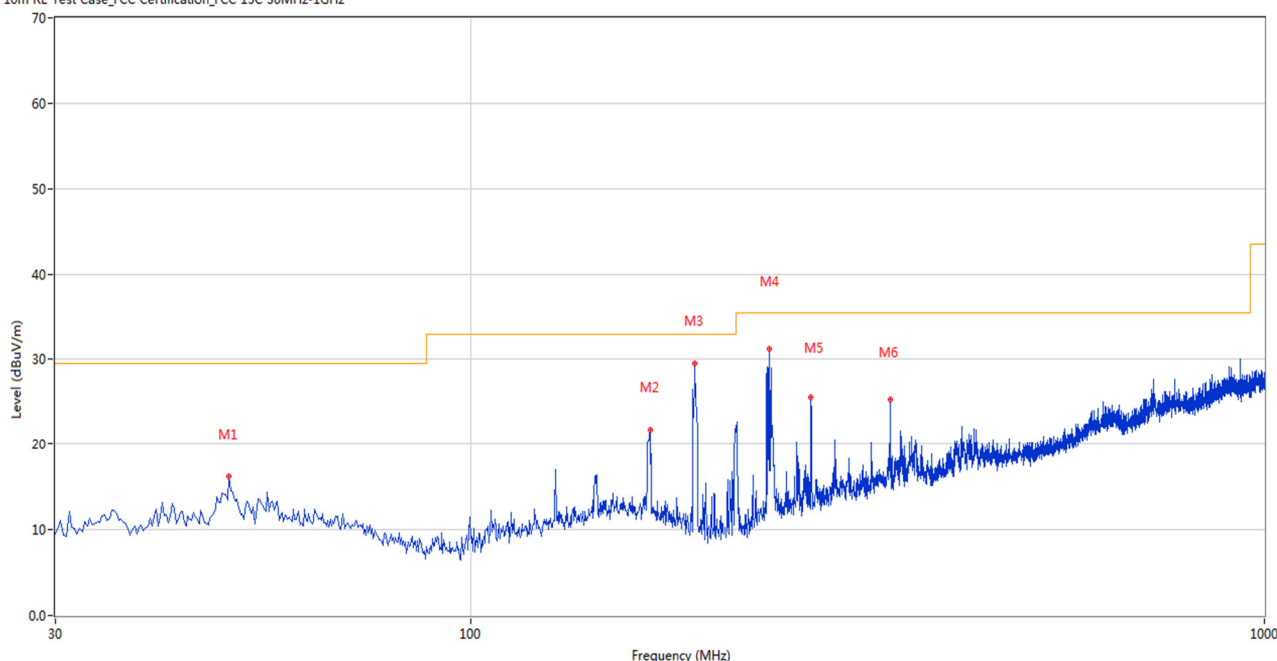
Note<sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

### Test Data and Plots

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

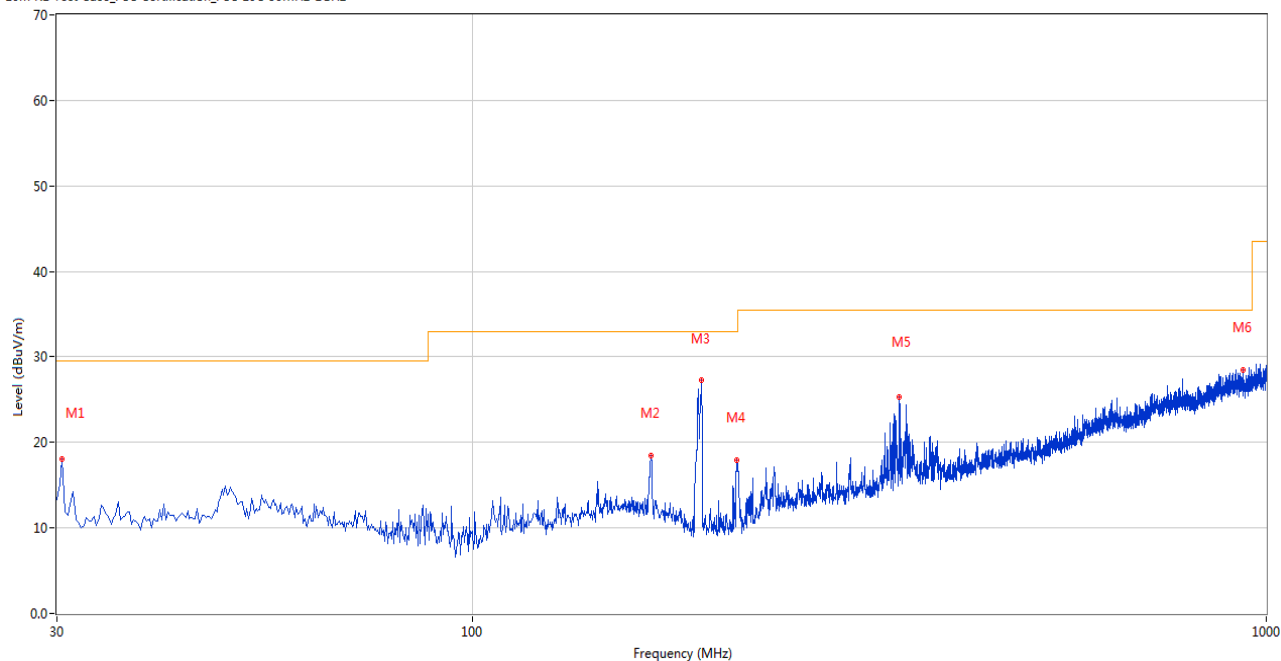
10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 49.638          | 16.16            | -26.01      | 29.5           | 13.34       | Peak     | 15.00          | 200         | Horizontal | Pass    |
| 2   | 168.433         | 21.73            | -26.04      | 33.0           | 11.27       | Peak     | 184.00         | 200         | Horizontal | Pass    |
| 3   | 191.707         | 29.56            | -28.59      | 33.0           | 3.44        | Peak     | 243.00         | 100         | Horizontal | Pass    |
| 4   | 238.013         | 31.24            | -27.32      | 35.5           | 4.26        | Peak     | 24.00          | 100         | Horizontal | Pass    |
| 5   | 268.560         | 25.56            | -25.93      | 35.5           | 9.94        | Peak     | 184.00         | 200         | Horizontal | Pass    |
| 6   | 338.140         | 25.35            | -23.65      | 35.5           | 10.15       | Peak     | 200.00         | 200         | Horizontal | Pass    |

## 30 MHz to 1 GHz, ANT V

10m RE Test Case\_FCC Certification\_FCC 15C 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 30.485          | 18.01            | -27.76      | 29.5           | 11.49       | Peak     | 128.00         | 100         | Vertical | Pass    |
| 2   | 168.190         | 18.50            | -26.02      | 33.0           | 14.50       | Peak     | 139.00         | 100         | Vertical | Pass    |
| 3   | 194.374         | 27.22            | -28.54      | 33.0           | 5.78        | Peak     | 199.00         | 100         | Vertical | Pass    |
| 4   | 215.224         | 17.93            | -28.94      | 33.0           | 15.07       | Peak     | 134.00         | 100         | Vertical | Pass    |
| 5   | 345.171         | 25.32            | -23.76      | 35.5           | 10.18       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 6   | 935.754         | 28.46            | -10.89      | 35.5           | 7.04        | Peak     | 0.00           | 200         | Vertical | Pass    |

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

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1582.000        | 38.34            | -16.74      | 74.0           | 35.66       | Peak     | 54.00          | 100         | Horizontal | Pass    |
| 1** | 1582.000        | 29.20            | -16.74      | 54.0           | 24.80       | AV       | 54.00          | 100         | Horizontal | Pass    |
| 2   | 4256.250        | 47.61            | -4.17       | 74.0           | 26.39       | Peak     | 222.00         | 300         | Horizontal | Pass    |
| 2** | 4256.250        | 38.10            | -4.17       | 54.0           | 15.90       | AV       | 222.00         | 300         | Horizontal | Pass    |
| 3   | 5181.250        | 96.80            | -2.31       | --             | --          | Peak     | 322.00         | 150         | Horizontal | N/A     |
| 3** | 5181.250        | 89.61            | -2.31       | --             | --          | AV       | 322.00         | 150         | Horizontal | N/A     |
| 4   | 7709.250        | 54.27            | 1.90        | 74.0           | 19.73       | Peak     | 16.00          | 100         | Horizontal | Pass    |
| 4** | 7709.250        | 44.57            | 1.90        | 54.0           | 9.43        | AV       | 16.00          | 100         | Horizontal | Pass    |
| 5   | 12507.037       | 52.72            | 1.40        | 74.0           | 21.28       | Peak     | 161.00         | 100         | Horizontal | Pass    |
| 5** | 12507.037       | 43.18            | 1.40        | 54.0           | 10.82       | AV       | 161.00         | 100         | Horizontal | Pass    |
| 6   | 15660.599       | 55.26            | 2.03        | 74.0           | 18.74       | Peak     | 63.00          | 400         | Horizontal | Pass    |
| 6** | 15660.599       | 45.49            | 2.03        | 54.0           | 8.51        | AV       | 63.00          | 400         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1603.700        | 39.33            | -16.83      | 74.0           | 34.67       | Peak     | 162.00         | 400         | Vertical | Pass    |
| 1** | 1603.700        | 29.94            | -16.83      | 54.0           | 24.06       | AV       | 162.00         | 400         | Vertical | Pass    |
| 2   | 4290.750        | 46.61            | -4.57       | 74.0           | 27.39       | Peak     | 117.00         | 300         | Vertical | Pass    |
| 2** | 4290.750        | 37.37            | -4.57       | 54.0           | 16.63       | AV       | 117.00         | 300         | Vertical | Pass    |
| 3   | 5178.500        | 90.87            | -2.63       | --             | --          | Peak     | 157.00         | 200         | Vertical | N/A     |
| 3** | 5178.500        | 83.04            | -2.63       | --             | --          | AV       | 157.00         | 200         | Vertical | N/A     |
| 4   | 7708.250        | 53.68            | 1.90        | 74.0           | 20.32       | Peak     | 302.00         | 200         | Vertical | Pass    |
| 4** | 7708.250        | 45.10            | 1.90        | 54.0           | 8.90        | AV       | 302.00         | 200         | Vertical | Pass    |
| 5   | 11805.700       | 52.67            | -0.21       | 74.0           | 21.33       | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11805.700       | 43.80            | -0.21       | 54.0           | 10.20       | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 16101.338       | 54.81            | 1.76        | 74.0           | 19.19       | Peak     | 317.00         | 300         | Vertical | Pass    |
| 6** | 16101.338       | 45.64            | 1.76        | 54.0           | 8.36        | AV       | 317.00         | 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   | 1621.400        | 38.64            | -16.85      | 74.0           | 35.36       | Peak     | 156.00         | 400         | Horizontal | Pass    |
| 1** | 1621.400        | 28.99            | -16.85      | 54.0           | 25.01       | AV       | 156.00         | 400         | Horizontal | Pass    |
| 2   | 4373.500        | 47.38            | -5.10       | 74.0           | 26.62       | Peak     | 218.00         | 400         | Horizontal | Pass    |
| 2** | 4373.500        | 37.69            | -5.10       | 54.0           | 16.31       | AV       | 218.00         | 400         | Horizontal | Pass    |
| 3   | 5222.000        | 97.35            | -2.99       | --             | --          | Peak     | 319.00         | 100         | Horizontal | N/A     |
| 3** | 5222.000        | 89.84            | -2.99       | --             | --          | AV       | 319.00         | 100         | Horizontal | N/A     |
| 4   | 7370.000        | 53.37            | 1.11        | 74.0           | 20.63       | Peak     | 118.00         | 300         | Horizontal | Pass    |
| 4** | 7370.000        | 43.27            | 1.11        | 54.0           | 10.73       | AV       | 118.00         | 300         | Horizontal | Pass    |
| 5   | 12252.912       | 53.09            | 1.07        | 74.0           | 20.91       | Peak     | 30.00          | 150         | Horizontal | Pass    |
| 5** | 12252.912       | 43.06            | 1.07        | 54.0           | 10.94       | AV       | 30.00          | 150         | Horizontal | Pass    |
| 6   | 15920.474       | 54.39            | 1.67        | 74.0           | 19.61       | Peak     | 4.00           | 100         | Horizontal | Pass    |
| 6** | 15920.474       | 44.87            | 1.67        | 54.0           | 9.13        | AV       | 4.00           | 100         | 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   | 1619.100        | 38.28            | -16.86      | 74.0           | 35.72       | Peak     | 82.00          | 200         | Vertical | Pass    |
| 1** | 1619.100        | 29.06            | -16.86      | 54.0           | 24.94       | AV       | 82.00          | 200         | Vertical | Pass    |
| 2   | 4275.750        | 47.34            | -5.03       | 74.0           | 26.66       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 2** | 4275.750        | 38.21            | -5.03       | 54.0           | 15.79       | AV       | 360.00         | 200         | Vertical | Pass    |
| 3   | 5218.500        | 91.20            | -2.88       | --             | --          | Peak     | 161.00         | 200         | Vertical | N/A     |
| 3** | 5218.500        | 83.84            | -2.88       | --             | --          | AV       | 161.00         | 200         | Vertical | N/A     |
| 4   | 7675.750        | 53.65            | 0.76        | 74.0           | 20.35       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 4** | 7675.750        | 43.72            | 0.76        | 54.0           | 10.28       | AV       | 360.00         | 400         | Vertical | Pass    |
| 5   | 11728.275       | 52.65            | -0.34       | 74.0           | 21.35       | Peak     | 67.00          | 100         | Vertical | Pass    |
| 5** | 11728.275       | 43.81            | -0.34       | 54.0           | 10.19       | AV       | 67.00          | 100         | Vertical | Pass    |
| 6   | 16122.075       | 54.73            | 1.93        | 74.0           | 19.27       | Peak     | 178.00         | 300         | Vertical | Pass    |
| 6** | 16122.075       | 45.81            | 1.93        | 54.0           | 8.19        | AV       | 178.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1453.500        | 39.19            | -16.95      | 74.0           | 34.81       | Peak     | 273.00         | 400         | Horizontal | Pass    |
| 1** | 1453.500        | 29.70            | -16.95      | 54.0           | 24.30       | AV       | 273.00         | 400         | Horizontal | Pass    |
| 2   | 4269.000        | 47.11            | -5.07       | 74.0           | 26.89       | Peak     | 77.00          | 300         | Horizontal | Pass    |
| 2** | 4269.000        | 37.31            | -5.07       | 54.0           | 16.69       | AV       | 77.00          | 300         | Horizontal | Pass    |
| 3   | 5241.500        | 97.89            | -3.10       | --             | --          | Peak     | 319.00         | 200         | Horizontal | N/A     |
| 3** | 5241.500        | 90.14            | -3.10       | --             | --          | AV       | 319.00         | 200         | Horizontal | N/A     |
| 4   | 7660.750        | 53.46            | 0.91        | 74.0           | 20.54       | Peak     | 319.00         | 100         | Horizontal | Pass    |
| 4** | 7660.750        | 43.25            | 0.91        | 54.0           | 10.75       | AV       | 319.00         | 100         | Horizontal | Pass    |
| 5   | 12497.299       | 52.67            | 1.42        | 74.0           | 21.33       | Peak     | 334.00         | 200         | Horizontal | Pass    |
| 5** | 12497.299       | 43.60            | 1.42        | 54.0           | 10.40       | AV       | 334.00         | 200         | Horizontal | Pass    |
| 6   | 15635.662       | 54.76            | 1.79        | 74.0           | 19.24       | Peak     | 300.00         | 100         | Horizontal | Pass    |
| 6** | 15635.662       | 45.26            | 1.79        | 54.0           | 8.74        | AV       | 300.00         | 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   | 1584.000        | 38.49            | -17.10      | 74.0           | 35.51       | Peak     | 165.00         | 300         | Vertical | Pass    |
| 1** | 1584.000        | 30.74            | -17.10      | 54.0           | 23.26       | AV       | 165.00         | 300         | Vertical | Pass    |
| 2   | 4242.500        | 47.31            | -4.59       | 74.0           | 26.69       | Peak     | 300.00         | 400         | Vertical | Pass    |
| 2** | 4242.500        | 38.08            | -4.59       | 54.0           | 15.92       | AV       | 300.00         | 400         | Vertical | Pass    |
| 3   | 5239.000        | 91.43            | -2.94       | --             | --          | Peak     | 159.00         | 200         | Vertical | N/A     |
| 3** | 5239.000        | 84.50            | -2.94       | --             | --          | AV       | 159.00         | 200         | Vertical | N/A     |
| 4   | 7408.500        | 53.80            | 0.47        | 74.0           | 20.20       | Peak     | 341.00         | 300         | Vertical | Pass    |
| 4** | 7408.500        | 43.85            | 0.47        | 54.0           | 10.15       | AV       | 341.00         | 300         | Vertical | Pass    |
| 5   | 12458.112       | 52.43            | 1.10        | 74.0           | 21.57       | Peak     | 95.00          | 200         | Vertical | Pass    |
| 5** | 12458.112       | 43.87            | 1.10        | 54.0           | 10.13       | AV       | 95.00          | 200         | Vertical | Pass    |
| 6   | 15897.900       | 54.62            | 2.01        | 74.0           | 19.38       | Peak     | 241.00         | 300         | Vertical | Pass    |
| 6** | 15897.900       | 45.09            | 2.01        | 54.0           | 8.91        | AV       | 241.00         | 300         | 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   | 1573.300        | 38.05            | -17.09      | 74.0           | 35.95       | Peak     | 229.00         | 300         | Horizontal | Pass    |
| 1** | 1573.300        | 28.63            | -17.09      | 54.0           | 25.37       | AV       | 229.00         | 300         | Horizontal | Pass    |
| 2   | 4256.250        | 48.44            | -4.17       | 74.0           | 25.56       | Peak     | 135.00         | 200         | Horizontal | Pass    |
| 2** | 4256.250        | 37.94            | -4.17       | 54.0           | 16.06       | AV       | 135.00         | 200         | Horizontal | Pass    |
| 3   | 5181.250        | 96.51            | -2.31       | --             | --          | Peak     | 319.00         | 150         | Horizontal | N/A     |
| 3** | 5181.250        | 89.39            | -2.31       | --             | --          | AV       | 319.00         | 150         | Horizontal | N/A     |
| 4   | 7435.750        | 53.66            | 0.78        | 74.0           | 20.34       | Peak     | 135.00         | 200         | Horizontal | Pass    |
| 4** | 7435.750        | 43.21            | 0.78        | 54.0           | 10.79       | AV       | 135.00         | 200         | Horizontal | Pass    |
| 5   | 12233.201       | 52.67            | 0.87        | 74.0           | 21.33       | Peak     | 57.00          | 100         | Horizontal | Pass    |
| 5** | 12233.201       | 43.68            | 0.87        | 54.0           | 10.32       | AV       | 57.00          | 100         | Horizontal | Pass    |
| 6   | 16123.912       | 54.49            | 1.94        | 74.0           | 19.51       | Peak     | 18.00          | 400         | Horizontal | Pass    |
| 6** | 16123.912       | 45.44            | 1.94        | 54.0           | 8.56        | AV       | 18.00          | 400         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1542.400        | 38.35            | -17.27      | 74.0           | 35.65       | Peak     | 4.00           | 200         | Vertical | Pass    |
| 1** | 1542.400        | 29.37            | -17.27      | 54.0           | 24.63       | AV       | 4.00           | 200         | Vertical | Pass    |
| 2   | 4393.250        | 47.03            | -5.59       | 74.0           | 26.97       | Peak     | 303.00         | 100         | Vertical | Pass    |
| 2** | 4393.250        | 37.08            | -5.59       | 54.0           | 16.92       | AV       | 303.00         | 100         | Vertical | Pass    |
| 3   | 5182.500        | 91.95            | -2.34       | --             | --          | Peak     | 137.00         | 200         | Vertical | N/A     |
| 3** | 5182.500        | 84.10            | -2.34       | --             | --          | AV       | 137.00         | 200         | Vertical | N/A     |
| 4   | 7708.750        | 53.64            | 1.82        | 74.0           | 20.36       | Peak     | 344.00         | 300         | Vertical | Pass    |
| 4** | 7708.750        | 45.15            | 1.82        | 54.0           | 8.85        | AV       | 344.00         | 300         | Vertical | Pass    |
| 5   | 12178.575       | 53.09            | 0.22        | 74.0           | 20.91       | Peak     | 129.00         | 100         | Vertical | Pass    |
| 5** | 12178.575       | 43.33            | 0.22        | 54.0           | 10.67       | AV       | 129.00         | 100         | Vertical | Pass    |
| 6   | 16107.900       | 54.91            | 1.81        | 74.0           | 19.09       | Peak     | 203.00         | 200         | Vertical | Pass    |
| 6** | 16107.900       | 45.71            | 1.81        | 54.0           | 8.29        | AV       | 203.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1524.400        | 38.52            | -16.99      | 74.0           | 35.48       | Peak     | 156.00         | 200         | Horizontal | Pass    |
| 1** | 1524.400        | 29.58            | -16.99      | 54.0           | 24.42       | AV       | 156.00         | 200         | Horizontal | Pass    |
| 2   | 4119.250        | 46.79            | -5.54       | 74.0           | 27.21       | Peak     | 239.00         | 300         | Horizontal | Pass    |
| 2** | 4119.250        | 37.57            | -5.54       | 54.0           | 16.43       | AV       | 239.00         | 300         | Horizontal | Pass    |
| 3   | 5221.750        | 97.33            | -3.08       | --             | --          | Peak     | 320.00         | 100         | Horizontal | N/A     |
| 3** | 5221.750        | 90.62            | -3.08       | --             | --          | AV       | 320.00         | 100         | Horizontal | N/A     |
| 4   | 7704.250        | 53.37            | 1.69        | 74.0           | 20.63       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 4** | 7704.250        | 45.03            | 1.69        | 54.0           | 8.97        | AV       | 360.00         | 300         | Horizontal | Pass    |
| 5   | 12510.363       | 52.72            | 1.38        | 74.0           | 21.28       | Peak     | 329.00         | 100         | Horizontal | Pass    |
| 5** | 12510.363       | 43.58            | 1.38        | 54.0           | 10.42       | AV       | 329.00         | 100         | Horizontal | Pass    |
| 6   | 16110.262       | 54.75            | 1.83        | 74.0           | 19.25       | Peak     | 105.00         | 400         | Horizontal | Pass    |
| 6** | 16110.262       | 46.00            | 1.83        | 54.0           | 8.00        | AV       | 105.00         | 400         | 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   | 1493.300        | 39.86            | -17.16      | 74.0           | 34.14       | Peak     | 94.00          | 100         | Vertical | Pass    |
| 1** | 1493.300        | 29.24            | -17.16      | 54.0           | 24.76       | AV       | 94.00          | 100         | Vertical | Pass    |
| 2   | 4311.250        | 47.44            | -5.45       | 74.0           | 26.56       | Peak     | 98.00          | 400         | Vertical | Pass    |
| 2** | 4311.250        | 37.93            | -5.45       | 54.0           | 16.07       | AV       | 98.00          | 400         | Vertical | Pass    |
| 3   | 5218.750        | 91.08            | -2.94       | --             | --          | Peak     | 157.00         | 200         | Vertical | N/A     |
| 3** | 5218.750        | 84.32            | -2.94       | --             | --          | AV       | 157.00         | 200         | Vertical | N/A     |
| 4   | 7346.750        | 53.64            | -0.15       | 74.0           | 20.36       | Peak     | 139.00         | 400         | Vertical | Pass    |
| 4** | 7346.750        | 44.52            | -0.15       | 54.0           | 9.48        | AV       | 139.00         | 400         | Vertical | Pass    |
| 5   | 12214.674       | 52.92            | 0.61        | 74.0           | 21.08       | Peak     | 42.00          | 100         | Vertical | Pass    |
| 5** | 12214.674       | 43.24            | 0.61        | 54.0           | 10.76       | AV       | 42.00          | 100         | Vertical | Pass    |
| 6   | 15762.713       | 54.56            | 1.19        | 74.0           | 19.44       | Peak     | 111.00         | 300         | Vertical | Pass    |
| 6** | 15762.713       | 43.86            | 1.19        | 54.0           | 10.14       | AV       | 111.00         | 300         | 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   | 1617.500        | 38.73            | -16.97      | 74.0           | 35.27       | Peak     | 356.00         | 400         | Horizontal | Pass    |
| 1** | 1617.500        | 29.11            | -16.97      | 54.0           | 24.89       | AV       | 356.00         | 400         | Horizontal | Pass    |
| 2   | 4276.250        | 47.01            | -4.93       | 74.0           | 26.99       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 2** | 4276.250        | 38.03            | -4.93       | 54.0           | 15.97       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 3   | 5241.000        | 97.51            | -3.09       | --             | --          | Peak     | 319.00         | 200         | Horizontal | N/A     |
| 3** | 5241.000        | 89.93            | -3.09       | --             | --          | AV       | 319.00         | 200         | Horizontal | N/A     |
| 4   | 7716.500        | 54.53            | 1.23        | 74.0           | 19.47       | Peak     | 116.00         | 300         | Horizontal | Pass    |
| 4** | 7716.500        | 43.93            | 1.23        | 54.0           | 10.07       | AV       | 116.00         | 300         | Horizontal | Pass    |
| 5   | 12515.350       | 52.90            | 1.35        | 74.0           | 21.10       | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 5** | 12515.350       | 43.32            | 1.35        | 54.0           | 10.68       | AV       | 261.00         | 150         | Horizontal | Pass    |
| 6   | 15897.375       | 54.43            | 2.01        | 74.0           | 19.57       | Peak     | 147.00         | 300         | Horizontal | Pass    |
| 6** | 15897.375       | 45.40            | 2.01        | 54.0           | 8.60        | AV       | 147.00         | 300         | 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   | 1611.800        | 38.58            | -16.84      | 74.0           | 35.42       | Peak     | 186.00         | 300         | Vertical | Pass    |
| 1** | 1611.800        | 28.96            | -16.84      | 54.0           | 25.04       | AV       | 186.00         | 300         | Vertical | Pass    |
| 2   | 4241.750        | 46.90            | -4.72       | 74.0           | 27.10       | Peak     | 341.00         | 300         | Vertical | Pass    |
| 2** | 4241.750        | 37.32            | -4.72       | 54.0           | 16.68       | AV       | 341.00         | 300         | Vertical | Pass    |
| 3   | 5238.750        | 91.61            | -2.91       | --             | --          | Peak     | 157.00         | 150         | Vertical | N/A     |
| 3** | 5238.750        | 83.90            | -2.91       | --             | --          | AV       | 157.00         | 150         | Vertical | N/A     |
| 4   | 7708.750        | 53.07            | 1.82        | 74.0           | 20.93       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7708.750        | 44.66            | 1.82        | 54.0           | 9.34        | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 12494.451       | 52.81            | 1.39        | 74.0           | 21.19       | Peak     | 63.00          | 150         | Vertical | Pass    |
| 5** | 12494.451       | 43.10            | 1.39        | 54.0           | 10.90       | AV       | 63.00          | 150         | Vertical | Pass    |
| 6   | 16135.200       | 54.51            | 2.03        | 74.0           | 19.49       | Peak     | 186.00         | 100         | Vertical | Pass    |
| 6** | 16135.200       | 45.78            | 2.03        | 54.0           | 8.22        | AV       | 186.00         | 100         | 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   | 1561.900        | 38.17            | -17.34      | 74.0           | 35.83       | Peak     | 116.00         | 200         | Horizontal | Pass    |
| 1** | 1561.900        | 28.99            | -17.34      | 54.0           | 25.01       | AV       | 116.00         | 200         | Horizontal | Pass    |
| 2   | 4386.750        | 47.36            | -5.05       | 74.0           | 26.64       | Peak     | 346.00         | 300         | Horizontal | Pass    |
| 2** | 4386.750        | 38.39            | -5.05       | 54.0           | 15.61       | AV       | 346.00         | 300         | Horizontal | Pass    |
| 3   | 5181.500        | 96.82            | -2.37       | --             | --          | Peak     | 325.00         | 200         | Horizontal | N/A     |
| 3** | 5181.500        | 88.62            | -2.37       | --             | --          | AV       | 325.00         | 200         | Horizontal | N/A     |
| 4   | 7423.000        | 53.32            | 1.54        | 74.0           | 20.68       | Peak     | 305.00         | 200         | Horizontal | Pass    |
| 4** | 7423.000        | 46.10            | 1.54        | 54.0           | 7.90        | AV       | 305.00         | 200         | Horizontal | Pass    |
| 5   | 11812.350       | 53.31            | -0.29       | 74.0           | 20.69       | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 5** | 11812.350       | 43.51            | -0.29       | 54.0           | 10.49       | AV       | 35.00          | 150         | Horizontal | Pass    |
| 6   | 16102.651       | 54.70            | 1.77        | 74.0           | 19.30       | Peak     | 256.00         | 100         | Horizontal | Pass    |
| 6** | 16102.651       | 45.21            | 1.77        | 54.0           | 8.79        | AV       | 256.00         | 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   | 1573.000        | 39.12            | -17.05      | 74.0           | 34.88       | Peak     | 80.00          | 100         | Vertical | Pass    |
| 1** | 1573.000        | 28.90            | -17.05      | 54.0           | 25.10       | AV       | 80.00          | 100         | Vertical | Pass    |
| 2   | 4239.250        | 46.61            | -4.89       | 74.0           | 27.39       | Peak     | 302.00         | 400         | Vertical | Pass    |
| 2** | 4239.250        | 37.68            | -4.89       | 54.0           | 16.32       | AV       | 302.00         | 400         | Vertical | Pass    |
| 3   | 5178.500        | 90.45            | -2.63       | --             | --          | Peak     | 161.00         | 150         | Vertical | N/A     |
| 3** | 5178.500        | 83.03            | -2.63       | --             | --          | AV       | 161.00         | 150         | Vertical | N/A     |
| 4   | 7714.000        | 54.00            | 1.69        | 74.0           | 20.00       | Peak     | 57.00          | 200         | Vertical | Pass    |
| 4** | 7714.000        | 44.42            | 1.69        | 54.0           | 9.58        | AV       | 57.00          | 200         | Vertical | Pass    |
| 5   | 12452.412       | 52.86            | 1.06        | 74.0           | 21.14       | Peak     | 268.00         | 200         | Vertical | Pass    |
| 5** | 12452.412       | 43.02            | 1.06        | 54.0           | 10.98       | AV       | 268.00         | 200         | Vertical | Pass    |
| 6   | 16064.326       | 54.64            | 1.28        | 74.0           | 19.36       | Peak     | 317.00         | 200         | Vertical | Pass    |
| 6** | 16064.326       | 45.86            | 1.28        | 54.0           | 8.14        | AV       | 317.00         | 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   | 1613.400        | 38.70            | -16.78      | 74.0           | 35.30       | Peak     | 203.00         | 400         | Horizontal | Pass    |
| 1** | 1613.400        | 29.55            | -16.78      | 54.0           | 24.45       | AV       | 203.00         | 400         | Horizontal | Pass    |
| 2   | 4258.000        | 47.22            | -4.28       | 74.0           | 26.78       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 2** | 4258.000        | 37.61            | -4.28       | 54.0           | 16.39       | AV       | 360.00         | 200         | Horizontal | Pass    |
| 3   | 5218.750        | 97.03            | -2.94       | --             | --          | Peak     | 322.00         | 100         | Horizontal | N/A     |
| 3** | 5218.750        | 89.44            | -2.94       | --             | --          | AV       | 322.00         | 100         | Horizontal | N/A     |
| 4   | 7738.500        | 53.45            | 0.20        | 74.0           | 20.55       | Peak     | 139.00         | 200         | Horizontal | Pass    |
| 4** | 7738.500        | 43.39            | 0.20        | 54.0           | 10.61       | AV       | 139.00         | 200         | Horizontal | Pass    |
| 5   | 12542.188       | 53.14            | 1.20        | 74.0           | 20.86       | Peak     | 320.00         | 200         | Horizontal | Pass    |
| 5** | 12542.188       | 43.46            | 1.20        | 54.0           | 10.54       | AV       | 320.00         | 200         | Horizontal | Pass    |
| 6   | 15906.825       | 54.79            | 1.91        | 74.0           | 19.21       | Peak     | 215.00         | 400         | Horizontal | Pass    |
| 6** | 15906.825       | 46.17            | 1.91        | 54.0           | 7.83        | AV       | 215.00         | 400         | 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   | 1612.300        | 38.11            | -16.85      | 74.0           | 35.89       | Peak     | 229.00         | 100         | Vertical | Pass    |
| 1** | 1612.300        | 29.18            | -16.85      | 54.0           | 24.82       | AV       | 229.00         | 100         | Vertical | Pass    |
| 2   | 3981.750        | 47.31            | -5.54       | 74.0           | 26.69       | Peak     | 198.00         | 100         | Vertical | Pass    |
| 2** | 3981.750        | 37.88            | -5.54       | 54.0           | 16.12       | AV       | 198.00         | 100         | Vertical | Pass    |
| 3   | 5218.750        | 91.75            | -2.94       | --             | --          | Peak     | 157.00         | 150         | Vertical | N/A     |
| 3** | 5218.750        | 84.25            | -2.94       | --             | --          | AV       | 157.00         | 150         | Vertical | N/A     |
| 4   | 7704.750        | 53.80            | 2.00        | 74.0           | 20.20       | Peak     | 37.00          | 400         | Vertical | Pass    |
| 4** | 7704.750        | 44.62            | 2.00        | 54.0           | 9.38        | AV       | 37.00          | 400         | Vertical | Pass    |
| 5   | 12513.925       | 52.90            | 1.36        | 74.0           | 21.10       | Peak     | 224.00         | 200         | Vertical | Pass    |
| 5** | 12513.925       | 43.23            | 1.36        | 54.0           | 10.77       | AV       | 224.00         | 200         | Vertical | Pass    |
| 6   | 16144.125       | 54.98            | 2.10        | 74.0           | 19.02       | Peak     | 317.00         | 200         | Vertical | Pass    |
| 6** | 16144.125       | 46.21            | 2.10        | 54.0           | 7.79        | AV       | 317.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1604.600        | 38.28            | -16.79      | 74.0           | 35.72       | Peak     | 202.00         | 400         | Horizontal | Pass    |
| 1** | 1604.600        | 28.83            | -16.79      | 54.0           | 25.17       | AV       | 202.00         | 400         | Horizontal | Pass    |
| 2   | 4382.750        | 47.37            | -5.66       | 74.0           | 26.63       | Peak     | 298.00         | 300         | Horizontal | Pass    |
| 2** | 4382.750        | 36.95            | -5.66       | 54.0           | 17.05       | AV       | 298.00         | 300         | Horizontal | Pass    |
| 3   | 5241.500        | 97.44            | -3.10       | --             | --          | Peak     | 319.00         | 150         | Horizontal | N/A     |
| 3** | 5241.500        | 90.61            | -3.10       | --             | --          | AV       | 319.00         | 150         | Horizontal | N/A     |
| 4   | 7731.000        | 53.45            | 0.38        | 74.0           | 20.55       | Peak     | 76.00          | 100         | Horizontal | Pass    |
| 4** | 7731.000        | 43.73            | 0.38        | 54.0           | 10.27       | AV       | 76.00          | 100         | Horizontal | Pass    |
| 5   | 12495.400       | 52.92            | 1.40        | 74.0           | 21.08       | Peak     | 180.00         | 150         | Horizontal | Pass    |
| 5** | 12495.400       | 44.27            | 1.40        | 54.0           | 9.73        | AV       | 180.00         | 150         | Horizontal | Pass    |
| 6   | 16164.862       | 55.15            | 2.05        | 74.0           | 18.85       | Peak     | 346.00         | 400         | Horizontal | Pass    |
| 6** | 16164.862       | 45.00            | 2.05        | 54.0           | 9.00        | AV       | 346.00         | 400         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1532.200        | 38.35            | -16.90      | 74.0           | 35.65       | Peak     | 327.00         | 400         | Vertical | Pass    |
| 1** | 1532.200        | 28.56            | -16.90      | 54.0           | 25.44       | AV       | 327.00         | 400         | Vertical | Pass    |
| 2   | 4332.000        | 47.21            | -4.62       | 74.0           | 26.79       | Peak     | 36.00          | 400         | Vertical | Pass    |
| 2** | 4332.000        | 38.23            | -4.62       | 54.0           | 15.77       | AV       | 36.00          | 400         | Vertical | Pass    |
| 3   | 5242.000        | 92.02            | -3.15       | --             | --          | Peak     | 157.00         | 150         | Vertical | N/A     |
| 3** | 5242.000        | 83.80            | -3.15       | --             | --          | AV       | 157.00         | 150         | Vertical | N/A     |
| 4   | 7707.000        | 53.36            | 1.71        | 74.0           | 20.64       | Peak     | 198.00         | 200         | Vertical | Pass    |
| 4** | 7707.000        | 44.41            | 1.71        | 54.0           | 9.59        | AV       | 198.00         | 200         | Vertical | Pass    |
| 5   | 12262.412       | 52.95            | 0.97        | 74.0           | 21.05       | Peak     | 154.00         | 150         | Vertical | Pass    |
| 5** | 12262.412       | 43.28            | 0.97        | 54.0           | 10.72       | AV       | 154.00         | 150         | Vertical | Pass    |
| 6   | 15912.337       | 54.95            | 1.81        | 74.0           | 19.05       | Peak     | 303.00         | 200         | Vertical | Pass    |
| 6** | 15912.337       | 45.13            | 1.81        | 54.0           | 8.87        | AV       | 303.00         | 200         | 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   | 1605.900        | 38.38            | -17.06      | 74.0           | 35.62       | Peak     | 31.00          | 400         | Horizontal | Pass    |
| 1** | 1605.900        | 29.26            | -17.06      | 54.0           | 24.74       | AV       | 31.00          | 400         | Horizontal | Pass    |
| 2   | 4261.750        | 46.82            | -4.54       | 74.0           | 27.18       | Peak     | 38.00          | 400         | Horizontal | Pass    |
| 2** | 4261.750        | 37.55            | -4.54       | 54.0           | 16.45       | AV       | 38.00          | 400         | Horizontal | Pass    |
| 3   | 5258.500        | 95.80            | -3.19       | --             | --          | Peak     | 334.00         | 200         | Horizontal | N/A     |
| 3** | 5258.500        | 88.06            | -3.19       | --             | --          | AV       | 334.00         | 200         | Horizontal | N/A     |
| 4   | 7409.500        | 53.44            | 0.66        | 74.0           | 20.56       | Peak     | 229.00         | 200         | Horizontal | Pass    |
| 4** | 7409.500        | 44.46            | 0.66        | 54.0           | 9.54        | AV       | 229.00         | 200         | Horizontal | Pass    |
| 5   | 12445.050       | 52.62            | 1.04        | 74.0           | 21.38       | Peak     | 3.00           | 150         | Horizontal | Pass    |
| 5** | 12445.050       | 43.09            | 1.04        | 54.0           | 10.91       | AV       | 3.00           | 150         | Horizontal | Pass    |
| 6   | 16128.638       | 55.28            | 1.98        | 74.0           | 18.72       | Peak     | 82.00          | 200         | Horizontal | Pass    |
| 6** | 16128.638       | 45.80            | 1.98        | 54.0           | 8.20        | AV       | 82.00          | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1494.400        | 39.04            | -17.29      | 74.0           | 34.96       | Peak     | 104.00         | 400         | Vertical | Pass    |
| 1** | 1494.400        | 28.62            | -17.29      | 54.0           | 25.38       | AV       | 104.00         | 400         | Vertical | Pass    |
| 2   | 4332.250        | 47.33            | -4.70       | 74.0           | 26.67       | Peak     | 360.00         | 100         | Vertical | Pass    |
| 2** | 4332.250        | 38.78            | -4.70       | 54.0           | 15.22       | AV       | 360.00         | 100         | Vertical | Pass    |
| 3   | 5261.250        | 89.02            | -3.06       | --             | --          | Peak     | 137.00         | 100         | Vertical | N/A     |
| 3** | 5261.250        | 81.92            | -3.06       | --             | --          | AV       | 137.00         | 100         | Vertical | N/A     |
| 4   | 7711.250        | 53.54            | 1.79        | 74.0           | 20.46       | Peak     | 320.00         | 300         | Vertical | Pass    |
| 4** | 7711.250        | 44.37            | 1.79        | 54.0           | 9.63        | AV       | 320.00         | 300         | Vertical | Pass    |
| 5   | 12517.012       | 53.89            | 1.34        | 74.0           | 20.11       | Peak     | 325.00         | 150         | Vertical | Pass    |
| 5** | 12517.012       | 44.65            | 1.34        | 54.0           | 9.35        | AV       | 325.00         | 150         | Vertical | Pass    |
| 6   | 15914.174       | 54.60            | 1.78        | 74.0           | 19.40       | Peak     | 149.00         | 100         | Vertical | Pass    |
| 6** | 15914.174       | 45.70            | 1.78        | 54.0           | 8.30        | AV       | 149.00         | 100         | 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   | 1443.600        | 38.27            | -16.86      | 74.0           | 35.73       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 1** | 1443.600        | 29.22            | -16.86      | 54.0           | 24.78       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 2   | 4056.750        | 47.08            | -5.29       | 74.0           | 26.92       | Peak     | 107.00         | 400         | Horizontal | Pass    |
| 2** | 4056.750        | 36.62            | -5.29       | 54.0           | 17.38       | AV       | 107.00         | 400         | Horizontal | Pass    |
| 3   | 5301.250        | 99.37            | -2.86       | --             | --          | Peak     | 266.00         | 150         | Horizontal | N/A     |
| 3** | 5301.250        | 92.16            | -2.86       | --             | --          | AV       | 266.00         | 150         | Horizontal | N/A     |
| 4   | 7717.000        | 53.46            | 1.14        | 74.0           | 20.54       | Peak     | 58.00          | 200         | Horizontal | Pass    |
| 4** | 7717.000        | 43.88            | 1.14        | 54.0           | 10.12       | AV       | 58.00          | 200         | Horizontal | Pass    |
| 5   | 12402.537       | 52.59            | 1.10        | 74.0           | 21.41       | Peak     | 199.00         | 100         | Horizontal | Pass    |
| 5** | 12402.537       | 42.77            | 1.10        | 54.0           | 11.23       | AV       | 199.00         | 100         | Horizontal | Pass    |
| 6   | 16117.349       | 54.81            | 1.89        | 74.0           | 19.19       | Peak     | 219.00         | 300         | Horizontal | Pass    |
| 6** | 16117.349       | 46.33            | 1.89        | 54.0           | 7.67        | AV       | 219.00         | 300         | 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   | 1551.100        | 38.95            | -17.17      | 74.0           | 35.05       | Peak     | 152.00         | 300         | Vertical | Pass    |
| 1** | 1551.100        | 28.77            | -17.17      | 54.0           | 25.23       | AV       | 152.00         | 300         | Vertical | Pass    |
| 2   | 4163.750        | 47.12            | -5.52       | 74.0           | 26.88       | Peak     | 238.00         | 100         | Vertical | Pass    |
| 2** | 4163.750        | 37.27            | -5.52       | 54.0           | 16.73       | AV       | 238.00         | 100         | Vertical | Pass    |
| 3   | 5301.500        | 89.38            | -2.76       | --             | --          | Peak     | 130.00         | 150         | Vertical | N/A     |
| 3** | 5301.500        | 82.39            | -2.76       | --             | --          | AV       | 130.00         | 150         | Vertical | N/A     |
| 4   | 7420.250        | 53.89            | 1.47        | 74.0           | 20.11       | Peak     | 344.00         | 100         | Vertical | Pass    |
| 4** | 7420.250        | 44.46            | 1.47        | 54.0           | 9.54        | AV       | 344.00         | 100         | Vertical | Pass    |
| 5   | 12221.325       | 52.69            | 0.70        | 74.0           | 21.31       | Peak     | 268.00         | 100         | Vertical | Pass    |
| 5** | 12221.325       | 44.04            | 0.70        | 54.0           | 9.96        | AV       | 268.00         | 100         | Vertical | Pass    |
| 6   | 16133.888       | 54.88            | 2.02        | 74.0           | 19.12       | Peak     | 16.00          | 200         | Vertical | Pass    |
| 6** | 16133.888       | 45.35            | 2.02        | 54.0           | 8.65        | AV       | 16.00          | 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   | 1476.400        | 37.99            | -17.06      | 74.0           | 36.01       | Peak     | 239.00         | 300         | Horizontal | Pass    |
| 1** | 1476.400        | 29.00            | -17.06      | 54.0           | 25.00       | AV       | 239.00         | 300         | Horizontal | Pass    |
| 2   | 4289.750        | 47.12            | -4.70       | 74.0           | 26.88       | Peak     | 106.00         | 100         | Horizontal | Pass    |
| 2** | 4289.750        | 37.66            | -4.70       | 54.0           | 16.34       | AV       | 106.00         | 100         | Horizontal | Pass    |
| 3   | 5321.250        | 101.27           | -2.95       | --             | --          | Peak     | 285.00         | 200         | Horizontal | N/A     |
| 3** | 5321.250        | 94.03            | -2.95       | --             | --          | AV       | 285.00         | 200         | Horizontal | N/A     |
| 4   | 7712.000        | 53.36            | 1.91        | 74.0           | 20.64       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 4** | 7712.000        | 44.56            | 1.91        | 54.0           | 9.44        | AV       | 0.00           | 200         | Horizontal | Pass    |
| 5   | 11768.412       | 52.50            | -0.18       | 74.0           | 21.50       | Peak     | 9.00           | 200         | Horizontal | Pass    |
| 5** | 11768.412       | 42.74            | -0.18       | 54.0           | 11.26       | AV       | 9.00           | 200         | Horizontal | Pass    |
| 6   | 16148.850       | 54.40            | 2.14        | 74.0           | 19.60       | Peak     | 246.00         | 300         | Horizontal | Pass    |
| 6** | 16148.850       | 45.57            | 2.14        | 54.0           | 8.43        | AV       | 246.00         | 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   | 1469.400        | 38.89            | -17.20      | 74.0           | 35.11       | Peak     | 84.00          | 200         | Vertical | Pass    |
| 1** | 1469.400        | 28.39            | -17.20      | 54.0           | 25.61       | AV       | 84.00          | 200         | Vertical | Pass    |
| 2   | 4286.250        | 46.83            | -4.67       | 74.0           | 27.17       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 2** | 4286.250        | 36.85            | -4.67       | 54.0           | 17.15       | AV       | 360.00         | 400         | Vertical | Pass    |
| 3   | 5321.250        | 91.85            | -2.95       | --             | --          | Peak     | 118.00         | 200         | Vertical | N/A     |
| 3** | 5321.250        | 84.31            | -2.95       | --             | --          | AV       | 118.00         | 200         | Vertical | N/A     |
| 4   | 7623.750        | 53.65            | 0.26        | 74.0           | 20.35       | Peak     | 245.00         | 200         | Vertical | Pass    |
| 4** | 7623.750        | 43.63            | 0.26        | 54.0           | 10.37       | AV       | 245.00         | 200         | Vertical | Pass    |
| 5   | 11786.225       | 52.77            | -0.16       | 74.0           | 21.23       | Peak     | 260.00         | 200         | Vertical | Pass    |
| 5** | 11786.225       | 43.51            | -0.16       | 54.0           | 10.49       | AV       | 260.00         | 200         | Vertical | Pass    |
| 6   | 16107.638       | 54.72            | 1.81        | 74.0           | 19.28       | Peak     | 199.00         | 200         | Vertical | Pass    |
| 6** | 16107.638       | 45.96            | 1.81        | 54.0           | 8.04        | AV       | 199.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1622.900        | 38.54            | -16.95      | 74.0           | 35.46       | Peak     | 266.00         | 300         | Horizontal | Pass    |
| 1** | 1622.900        | 29.30            | -16.95      | 54.0           | 24.70       | AV       | 266.00         | 300         | Horizontal | Pass    |
| 2   | 4379.250        | 46.79            | -5.27       | 74.0           | 27.21       | Peak     | 140.00         | 100         | Horizontal | Pass    |
| 2** | 4379.250        | 37.70            | -5.27       | 54.0           | 16.30       | AV       | 140.00         | 100         | Horizontal | Pass    |
| 3   | 5261.250        | 95.79            | -3.06       | --             | --          | Peak     | 324.00         | 100         | Horizontal | N/A     |
| 3** | 5261.250        | 88.56            | -3.06       | --             | --          | AV       | 324.00         | 100         | Horizontal | N/A     |
| 4   | 7688.250        | 53.21            | 1.05        | 74.0           | 20.79       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 4** | 7688.250        | 44.95            | 1.05        | 54.0           | 9.05        | AV       | 360.00         | 200         | Horizontal | Pass    |
| 5   | 12511.075       | 52.64            | 1.37        | 74.0           | 21.36       | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 5** | 12511.075       | 43.90            | 1.37        | 54.0           | 10.10       | AV       | 152.00         | 150         | Horizontal | Pass    |
| 6   | 16058.812       | 55.21            | 1.21        | 74.0           | 18.79       | Peak     | 314.00         | 300         | Horizontal | Pass    |
| 6** | 16058.812       | 45.11            | 1.21        | 54.0           | 8.89        | AV       | 314.00         | 300         | 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   | 1497.500        | 38.75            | -16.89      | 74.0           | 35.25       | Peak     | 86.00          | 400         | Vertical | Pass    |
| 1** | 1497.500        | 30.01            | -16.89      | 54.0           | 23.99       | AV       | 86.00          | 400         | Vertical | Pass    |
| 2   | 4275.250        | 47.22            | -5.25       | 74.0           | 26.78       | Peak     | 57.00          | 200         | Vertical | Pass    |
| 2** | 4275.250        | 37.60            | -5.25       | 54.0           | 16.40       | AV       | 57.00          | 200         | Vertical | Pass    |
| 3   | 5262.250        | 89.41            | -3.08       | --             | --          | Peak     | 157.00         | 100         | Vertical | N/A     |
| 3** | 5262.250        | 81.74            | -3.08       | --             | --          | AV       | 157.00         | 100         | Vertical | N/A     |
| 4   | 7686.250        | 53.33            | 1.35        | 74.0           | 20.67       | Peak     | 37.00          | 200         | Vertical | Pass    |
| 4** | 7686.250        | 44.23            | 1.35        | 54.0           | 9.77        | AV       | 37.00          | 200         | Vertical | Pass    |
| 5   | 12241.037       | 52.95            | 0.98        | 74.0           | 21.05       | Peak     | 125.00         | 150         | Vertical | Pass    |
| 5** | 12241.037       | 43.00            | 0.98        | 54.0           | 11.00       | AV       | 125.00         | 150         | Vertical | Pass    |
| 6   | 16083.488       | 54.94            | 1.53        | 74.0           | 19.06       | Peak     | 319.00         | 400         | Vertical | Pass    |
| 6** | 16083.488       | 45.88            | 1.53        | 54.0           | 8.12        | AV       | 319.00         | 400         | 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   | 1494.100        | 38.55            | -17.12      | 74.0           | 35.45       | Peak     | 335.00         | 300         | Horizontal | Pass    |
| 1** | 1494.100        | 28.49            | -17.12      | 54.0           | 25.51       | AV       | 335.00         | 300         | Horizontal | Pass    |
| 2   | 4367.750        | 47.35            | -4.61       | 74.0           | 26.65       | Peak     | 196.00         | 400         | Horizontal | Pass    |
| 2** | 4367.750        | 37.10            | -4.61       | 54.0           | 16.90       | AV       | 196.00         | 400         | Horizontal | Pass    |
| 3   | 5299.000        | 99.51            | -2.59       | --             | --          | Peak     | 270.00         | 200         | Horizontal | N/A     |
| 3** | 5299.000        | 92.64            | -2.59       | --             | --          | AV       | 270.00         | 200         | Horizontal | N/A     |
| 4   | 7719.500        | 53.44            | 1.10        | 74.0           | 20.56       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 4** | 7719.500        | 43.52            | 1.10        | 54.0           | 10.48       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 5   | 11760.099       | 53.00            | -0.19       | 74.0           | 21.00       | Peak     | 272.00         | 200         | Horizontal | Pass    |
| 5** | 11760.099       | 43.40            | -0.19       | 54.0           | 10.60       | AV       | 272.00         | 200         | Horizontal | Pass    |
| 6   | 16110.788       | 54.72            | 1.84        | 74.0           | 19.28       | Peak     | 275.00         | 100         | Horizontal | Pass    |
| 6** | 16110.788       | 45.62            | 1.84        | 54.0           | 8.38        | AV       | 275.00         | 100         | 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   | 1534.500        | 38.26            | -16.98      | 74.0           | 35.74       | Peak     | 184.00         | 200         | Vertical | Pass    |
| 1** | 1534.500        | 28.70            | -16.98      | 54.0           | 25.30       | AV       | 184.00         | 200         | Vertical | Pass    |
| 2   | 4346.750        | 47.15            | -4.81       | 74.0           | 26.85       | Peak     | 185.00         | 300         | Vertical | Pass    |
| 2** | 4346.750        | 37.22            | -4.81       | 54.0           | 16.78       | AV       | 185.00         | 300         | Vertical | Pass    |
| 3   | 5300.750        | 89.62            | -2.77       | --             | --          | Peak     | 145.00         | 200         | Vertical | N/A     |
| 3** | 5300.750        | 81.73            | -2.77       | --             | --          | AV       | 145.00         | 200         | Vertical | N/A     |
| 4   | 7409.000        | 53.74            | 0.59        | 74.0           | 20.26       | Peak     | 206.00         | 400         | Vertical | Pass    |
| 4** | 7409.000        | 43.83            | 0.59        | 54.0           | 10.17       | AV       | 206.00         | 400         | Vertical | Pass    |
| 5   | 12515.826       | 52.79            | 1.35        | 74.0           | 21.21       | Peak     | 214.00         | 150         | Vertical | Pass    |
| 5** | 12515.826       | 42.87            | 1.35        | 54.0           | 11.13       | AV       | 214.00         | 150         | Vertical | Pass    |
| 6   | 16198.725       | 55.16            | 1.82        | 74.0           | 18.84       | Peak     | 221.00         | 400         | Vertical | Pass    |
| 6** | 16198.725       | 44.93            | 1.82        | 54.0           | 9.07        | AV       | 221.00         | 400         | 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   | 1527.300        | 38.09            | -17.10      | 74.0           | 35.91       | Peak     | 216.00         | 400         | Horizontal | Pass    |
| 1** | 1527.300        | 28.42            | -17.10      | 54.0           | 25.58       | AV       | 216.00         | 400         | Horizontal | Pass    |
| 2   | 4280.750        | 47.70            | -4.71       | 74.0           | 26.30       | Peak     | 326.00         | 100         | Horizontal | Pass    |
| 2** | 4280.750        | 37.70            | -4.71       | 54.0           | 16.30       | AV       | 326.00         | 100         | Horizontal | Pass    |
| 3   | 5322.500        | 102.76           | -3.06       | --             | --          | Peak     | 285.00         | 150         | Horizontal | N/A     |
| 3** | 5322.500        | 93.11            | -3.06       | --             | --          | AV       | 285.00         | 150         | Horizontal | N/A     |
| 4   | 7707.000        | 53.86            | 1.71        | 74.0           | 20.14       | Peak     | 344.00         | 300         | Horizontal | Pass    |
| 4** | 7707.000        | 45.26            | 1.71        | 54.0           | 8.74        | AV       | 344.00         | 300         | Horizontal | Pass    |
| 5   | 12212.062       | 52.47            | 0.57        | 74.0           | 21.53       | Peak     | 116.00         | 100         | Horizontal | Pass    |
| 5** | 12212.062       | 44.12            | 0.57        | 54.0           | 9.88        | AV       | 116.00         | 100         | Horizontal | Pass    |
| 6   | 16105.012       | 54.17            | 1.79        | 74.0           | 19.83       | Peak     | 334.00         | 100         | Horizontal | Pass    |
| 6** | 16105.012       | 45.90            | 1.79        | 54.0           | 8.10        | AV       | 334.00         | 100         | 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   | 1511.800        | 38.58            | -16.65      | 74.0           | 35.42       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 1511.800        | 28.22            | -16.65      | 54.0           | 25.78       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 4027.000        | 47.22            | -6.27       | 74.0           | 26.78       | Peak     | 285.00         | 200         | Vertical | Pass    |
| 2** | 4027.000        | 36.82            | -6.27       | 54.0           | 17.18       | AV       | 285.00         | 200         | Vertical | Pass    |
| 3   | 5317.250        | 91.76            | -2.75       | --             | --          | Peak     | 114.00         | 150         | Vertical | N/A     |
| 3** | 5317.250        | 84.56            | -2.75       | --             | --          | AV       | 114.00         | 150         | Vertical | N/A     |
| 4   | 7716.750        | 53.27            | 1.08        | 74.0           | 20.73       | Peak     | 180.00         | 200         | Vertical | Pass    |
| 4** | 7716.750        | 43.44            | 1.08        | 54.0           | 10.56       | AV       | 180.00         | 200         | Vertical | Pass    |
| 5   | 12487.326       | 52.88            | 1.34        | 74.0           | 21.12       | Peak     | 92.00          | 150         | Vertical | Pass    |
| 5** | 12487.326       | 42.45            | 1.34        | 54.0           | 11.55       | AV       | 92.00          | 150         | Vertical | Pass    |
| 6   | 16099.763       | 54.71            | 1.75        | 74.0           | 19.29       | Peak     | 63.00          | 200         | Vertical | Pass    |
| 6** | 16099.763       | 45.67            | 1.75        | 54.0           | 8.33        | AV       | 63.00          | 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   | 1620.700        | 38.40            | -16.97      | 74.0           | 35.60       | Peak     | 329.00         | 300         | Horizontal | Pass    |
| 1** | 1620.700        | 28.70            | -16.97      | 54.0           | 25.30       | AV       | 329.00         | 300         | Horizontal | Pass    |
| 2   | 4266.250        | 46.93            | -4.89       | 74.0           | 27.07       | Peak     | 37.00          | 200         | Horizontal | Pass    |
| 2** | 4266.250        | 37.24            | -4.89       | 54.0           | 16.76       | AV       | 37.00          | 200         | Horizontal | Pass    |
| 3   | 5261.250        | 95.70            | -3.06       | --             | --          | Peak     | 325.00         | 150         | Horizontal | N/A     |
| 3** | 5261.250        | 88.38            | -3.06       | --             | --          | AV       | 325.00         | 150         | Horizontal | N/A     |
| 4   | 7686.250        | 53.77            | 1.35        | 74.0           | 20.23       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 4** | 7686.250        | 44.64            | 1.35        | 54.0           | 9.36        | AV       | 360.00         | 100         | Horizontal | Pass    |
| 5   | 12518.912       | 52.65            | 1.33        | 74.0           | 21.35       | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 5** | 12518.912       | 43.35            | 1.33        | 54.0           | 10.65       | AV       | 246.00         | 150         | Horizontal | Pass    |
| 6   | 16038.338       | 54.61            | 1.13        | 74.0           | 19.39       | Peak     | 268.00         | 100         | Horizontal | Pass    |
| 6** | 16038.338       | 44.30            | 1.13        | 54.0           | 9.70        | AV       | 268.00         | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1497.200        | 38.36            | -16.74      | 74.0           | 35.64       | Peak     | 274.00         | 300         | Vertical | Pass    |
| 1** | 1497.200        | 29.16            | -16.74      | 54.0           | 24.84       | AV       | 274.00         | 300         | Vertical | Pass    |
| 2   | 4096.500        | 46.99            | -5.75       | 74.0           | 27.01       | Peak     | 37.00          | 300         | Vertical | Pass    |
| 2** | 4096.500        | 36.81            | -5.75       | 54.0           | 17.19       | AV       | 37.00          | 300         | Vertical | Pass    |
| 3   | 5258.750        | 89.27            | -3.08       | --             | --          | Peak     | 137.00         | 150         | Vertical | N/A     |
| 3** | 5258.750        | 82.57            | -3.08       | --             | --          | AV       | 137.00         | 150         | Vertical | N/A     |
| 4   | 7736.250        | 53.67            | 0.44        | 74.0           | 20.33       | Peak     | 220.00         | 300         | Vertical | Pass    |
| 4** | 7736.250        | 43.83            | 0.44        | 54.0           | 10.17       | AV       | 220.00         | 300         | Vertical | Pass    |
| 5   | 11792.400       | 53.01            | -0.15       | 74.0           | 20.99       | Peak     | 341.00         | 200         | Vertical | Pass    |
| 5** | 11792.400       | 43.24            | -0.15       | 54.0           | 10.76       | AV       | 341.00         | 200         | Vertical | Pass    |
| 6   | 16106.588       | 54.65            | 1.80        | 74.0           | 19.35       | Peak     | 64.00          | 200         | Vertical | Pass    |
| 6** | 16106.588       | 47.22            | 1.80        | 54.0           | 6.78        | AV       | 64.00          | 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   | 1532.000        | 38.69            | -16.93      | 74.0           | 35.31       | Peak     | 40.00          | 400         | Horizontal | Pass    |
| 1** | 1532.000        | 29.51            | -16.93      | 54.0           | 24.49       | AV       | 40.00          | 400         | Horizontal | Pass    |
| 2   | 4324.000        | 47.56            | -4.89       | 74.0           | 26.44       | Peak     | 89.00          | 100         | Horizontal | Pass    |
| 2** | 4324.000        | 38.13            | -4.89       | 54.0           | 15.87       | AV       | 89.00          | 100         | Horizontal | Pass    |
| 3   | 5301.500        | 99.49            | -2.76       | --             | --          | Peak     | 258.00         | 200         | Horizontal | N/A     |
| 3** | 5301.500        | 92.04            | -2.76       | --             | --          | AV       | 258.00         | 200         | Horizontal | N/A     |
| 4   | 7442.250        | 53.60            | 0.67        | 74.0           | 20.40       | Peak     | 89.00          | 200         | Horizontal | Pass    |
| 4** | 7442.250        | 43.64            | 0.67        | 54.0           | 10.36       | AV       | 89.00          | 200         | Horizontal | Pass    |
| 5   | 12257.188       | 53.39            | 1.03        | 74.0           | 20.61       | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 5** | 12257.188       | 44.61            | 1.03        | 54.0           | 9.39        | AV       | 257.00         | 150         | Horizontal | Pass    |
| 6   | 16115.775       | 54.69            | 1.88        | 74.0           | 19.31       | Peak     | 231.00         | 100         | Horizontal | Pass    |
| 6** | 16115.775       | 45.30            | 1.88        | 54.0           | 8.70        | AV       | 231.00         | 100         | 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   | 1619.900        | 38.66            | -16.86      | 74.0           | 35.34       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 1** | 1619.900        | 28.98            | -16.86      | 54.0           | 25.02       | AV       | 0.00           | 200         | Vertical | Pass    |
| 2   | 4324.000        | 47.40            | -4.89       | 74.0           | 26.60       | Peak     | 344.00         | 100         | Vertical | Pass    |
| 2** | 4324.000        | 37.96            | -4.89       | 54.0           | 16.04       | AV       | 344.00         | 100         | Vertical | Pass    |
| 3   | 5299.000        | 89.96            | -2.59       | --             | --          | Peak     | 145.00         | 100         | Vertical | N/A     |
| 3** | 5299.000        | 82.64            | -2.59       | --             | --          | AV       | 145.00         | 100         | Vertical | N/A     |
| 4   | 7487.750        | 53.49            | 1.49        | 74.0           | 20.51       | Peak     | 287.00         | 200         | Vertical | Pass    |
| 4** | 7487.750        | 44.34            | 1.49        | 54.0           | 9.66        | AV       | 287.00         | 200         | Vertical | Pass    |
| 5   | 12469.987       | 52.79            | 1.20        | 74.0           | 21.21       | Peak     | 39.00          | 100         | Vertical | Pass    |
| 5** | 12469.987       | 43.38            | 1.20        | 54.0           | 10.62       | AV       | 39.00          | 100         | Vertical | Pass    |
| 6   | 16109.475       | 54.52            | 1.83        | 74.0           | 19.48       | Peak     | 267.00         | 100         | Vertical | Pass    |
| 6** | 16109.475       | 45.63            | 1.83        | 54.0           | 8.37        | AV       | 267.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1619.900        | 38.09            | -16.86      | 74.0           | 35.91       | Peak     | 288.00         | 300         | Horizontal | Pass    |
| 1** | 1619.900        | 28.32            | -16.86      | 54.0           | 25.68       | AV       | 288.00         | 300         | Horizontal | Pass    |
| 2   | 4291.500        | 47.06            | -4.71       | 74.0           | 26.94       | Peak     | 245.00         | 400         | Horizontal | Pass    |
| 2** | 4291.500        | 37.69            | -4.71       | 54.0           | 16.31       | AV       | 245.00         | 400         | Horizontal | Pass    |
| 3   | 5321.750        | 101.47           | -2.80       | --             | --          | Peak     | 285.00         | 100         | Horizontal | N/A     |
| 3** | 5321.750        | 93.90            | -2.80       | --             | --          | AV       | 285.00         | 100         | Horizontal | N/A     |
| 4   | 7418.500        | 53.29            | 1.01        | 74.0           | 20.71       | Peak     | 265.00         | 100         | Horizontal | Pass    |
| 4** | 7418.500        | 43.95            | 1.01        | 54.0           | 10.05       | AV       | 265.00         | 100         | Horizontal | Pass    |
| 5   | 12237.475       | 53.14            | 0.93        | 74.0           | 20.86       | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 5** | 12237.475       | 42.80            | 0.93        | 54.0           | 11.20       | AV       | 33.00          | 150         | Horizontal | Pass    |
| 6   | 16091.099       | 55.15            | 1.63        | 74.0           | 18.85       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 16091.099       | 45.81            | 1.63        | 54.0           | 8.19        | AV       | 360.00         | 200         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1512.800        | 38.18            | -16.97      | 74.0           | 35.82       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 1512.800        | 28.67            | -16.97      | 54.0           | 25.33       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 4258.250        | 46.84            | -4.07       | 74.0           | 27.16       | Peak     | 341.00         | 400         | Vertical | Pass    |
| 2** | 4258.250        | 38.39            | -4.07       | 54.0           | 15.61       | AV       | 341.00         | 400         | Vertical | Pass    |
| 3   | 5317.250        | 91.98            | -2.75       | --             | --          | Peak     | 139.00         | 150         | Vertical | N/A     |
| 3** | 5317.250        | 84.42            | -2.75       | --             | --          | AV       | 139.00         | 150         | Vertical | N/A     |
| 4   | 7698.500        | 54.24            | 1.28        | 74.0           | 19.76       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 4** | 7698.500        | 43.72            | 1.28        | 54.0           | 10.28       | AV       | 0.00           | 200         | Vertical | Pass    |
| 5   | 12238.188       | 52.42            | 0.94        | 74.0           | 21.58       | Peak     | 30.00          | 150         | Vertical | Pass    |
| 5** | 12238.188       | 43.73            | 0.94        | 54.0           | 10.27       | AV       | 30.00          | 150         | Vertical | Pass    |
| 6   | 16127.325       | 54.03            | 1.97        | 74.0           | 19.97       | Peak     | 7.00           | 300         | Vertical | Pass    |
| 6** | 16127.325       | 44.95            | 1.97        | 54.0           | 9.05        | AV       | 7.00           | 300         | 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   | 1512.000        | 38.39            | -16.53      | 74.0           | 35.61       | Peak     | 35.00          | 100         | Horizontal | Pass    |
| 1** | 1512.000        | 29.04            | -16.53      | 54.0           | 24.96       | AV       | 35.00          | 100         | Horizontal | Pass    |
| 2   | 4242.750        | 47.22            | -4.69       | 74.0           | 26.78       | Peak     | 44.00          | 400         | Horizontal | Pass    |
| 2** | 4242.750        | 38.07            | -4.69       | 54.0           | 15.93       | AV       | 44.00          | 400         | Horizontal | Pass    |
| 3   | 5498.750        | 103.01           | -2.54       | --             | --          | Peak     | 271.00         | 150         | Horizontal | N/A     |
| 3** | 5498.750        | 95.69            | -2.54       | --             | --          | AV       | 271.00         | 150         | Horizontal | N/A     |
| 4   | 7311.250        | 53.29            | 0.55        | 74.0           | 20.71       | Peak     | 319.00         | 300         | Horizontal | Pass    |
| 4** | 7311.250        | 44.66            | 0.55        | 54.0           | 9.34        | AV       | 319.00         | 300         | Horizontal | Pass    |
| 5   | 12506.800       | 53.05            | 1.40        | 74.0           | 20.95       | Peak     | 12.00          | 200         | Horizontal | Pass    |
| 5** | 12506.800       | 43.01            | 1.40        | 54.0           | 10.99       | AV       | 12.00          | 200         | Horizontal | Pass    |
| 6   | 16105.800       | 55.29            | 1.80        | 74.0           | 18.71       | Peak     | 109.00         | 400         | Horizontal | Pass    |
| 6** | 16105.800       | 45.34            | 1.80        | 54.0           | 8.66        | AV       | 109.00         | 400         | 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   | 1613.600        | 38.89            | -16.85      | 74.0           | 35.11       | Peak     | 45.00          | 200         | Vertical | Pass    |
| 1** | 1613.600        | 28.98            | -16.85      | 54.0           | 25.02       | AV       | 45.00          | 200         | Vertical | Pass    |
| 2   | 4241.500        | 47.81            | -4.69       | 74.0           | 26.19       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 2** | 4241.500        | 38.06            | -4.69       | 54.0           | 15.94       | AV       | 0.00           | 100         | Vertical | Pass    |
| 3   | 5498.750        | 94.18            | -2.54       | --             | --          | Peak     | 150.00         | 100         | Vertical | N/A     |
| 3** | 5498.750        | 87.27            | -2.54       | --             | --          | AV       | 150.00         | 100         | Vertical | N/A     |
| 4   | 7709.500        | 53.43            | 1.88        | 74.0           | 20.57       | Peak     | 243.00         | 100         | Vertical | Pass    |
| 4** | 7709.500        | 44.39            | 1.88        | 54.0           | 9.61        | AV       | 243.00         | 100         | Vertical | Pass    |
| 5   | 12263.125       | 53.05            | 0.96        | 74.0           | 20.95       | Peak     | 197.00         | 200         | Vertical | Pass    |
| 5** | 12263.125       | 44.23            | 0.96        | 54.0           | 9.77        | AV       | 197.00         | 200         | Vertical | Pass    |
| 6   | 16053.562       | 54.44            | 1.14        | 74.0           | 19.56       | Peak     | 302.00         | 400         | Vertical | Pass    |
| 6** | 16053.562       | 45.76            | 1.14        | 54.0           | 8.24        | AV       | 302.00         | 400         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1452.900        | 37.92            | -16.97      | 74.0           | 36.08       | Peak     | 33.00          | 400         | Horizontal | Pass    |
| 1** | 1452.900        | 29.34            | -16.97      | 54.0           | 24.66       | AV       | 33.00          | 400         | Horizontal | Pass    |
| 2   | 4320.750        | 47.01            | -4.72       | 74.0           | 26.99       | Peak     | 20.00          | 300         | Horizontal | Pass    |
| 2** | 4320.750        | 38.24            | -4.72       | 54.0           | 15.76       | AV       | 20.00          | 300         | Horizontal | Pass    |
| 3   | 5578.000        | 103.01           | -2.09       | --             | --          | Peak     | 264.00         | 100         | Horizontal | N/A     |
| 3** | 5578.000        | 95.47            | -2.09       | --             | --          | AV       | 264.00         | 100         | Horizontal | N/A     |
| 4   | 7420.000        | 53.16            | 1.50        | 74.0           | 20.84       | Peak     | 203.00         | 100         | Horizontal | Pass    |
| 4** | 7420.000        | 43.97            | 1.50        | 54.0           | 10.03       | AV       | 203.00         | 100         | Horizontal | Pass    |
| 5   | 12224.175       | 53.03            | 0.74        | 74.0           | 20.97       | Peak     | 113.00         | 200         | Horizontal | Pass    |
| 5** | 12224.175       | 44.69            | 0.74        | 54.0           | 9.31        | AV       | 113.00         | 200         | Horizontal | Pass    |
| 6   | 16116.037       | 55.26            | 1.88        | 74.0           | 18.74       | Peak     | 149.00         | 300         | Horizontal | Pass    |
| 6** | 16116.037       | 45.43            | 1.88        | 54.0           | 8.57        | AV       | 149.00         | 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   | 1613.900        | 38.12            | -16.70      | 74.0           | 35.88       | Peak     | 194.00         | 400         | Vertical | Pass    |
| 1** | 1613.900        | 29.04            | -16.70      | 54.0           | 24.96       | AV       | 194.00         | 400         | Vertical | Pass    |
| 2   | 4320.500        | 47.50            | -5.01       | 74.0           | 26.50       | Peak     | 343.00         | 400         | Vertical | Pass    |
| 2** | 4320.500        | 38.51            | -5.01       | 54.0           | 15.49       | AV       | 343.00         | 400         | Vertical | Pass    |
| 3   | 5578.500        | 95.57            | -2.10       | --             | --          | Peak     | 129.00         | 200         | Vertical | N/A     |
| 3** | 5578.500        | 87.64            | -2.10       | --             | --          | AV       | 129.00         | 200         | Vertical | N/A     |
| 4   | 7704.750        | 53.17            | 2.00        | 74.0           | 20.83       | Peak     | 104.00         | 200         | Vertical | Pass    |
| 4** | 7704.750        | 45.17            | 2.00        | 54.0           | 8.83        | AV       | 104.00         | 200         | Vertical | Pass    |
| 5   | 11758.913       | 53.03            | -0.19       | 74.0           | 20.97       | Peak     | 34.00          | 100         | Vertical | Pass    |
| 5** | 11758.913       | 43.44            | -0.19       | 54.0           | 10.56       | AV       | 34.00          | 100         | Vertical | Pass    |
| 6   | 16110.262       | 54.40            | 1.83        | 74.0           | 19.60       | Peak     | 331.00         | 100         | Vertical | Pass    |
| 6** | 16110.262       | 45.45            | 1.83        | 54.0           | 8.55        | AV       | 331.00         | 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   | 1448.600        | 38.11            | -17.06      | 74.0           | 35.89       | Peak     | 282.00         | 400         | Horizontal | Pass    |
| 1** | 1448.600        | 28.06            | -17.06      | 54.0           | 25.94       | AV       | 282.00         | 400         | Horizontal | Pass    |
| 2   | 4388.250        | 47.01            | -4.99       | 74.0           | 26.99       | Peak     | 224.00         | 400         | Horizontal | Pass    |
| 2** | 4388.250        | 38.36            | -4.99       | 54.0           | 15.64       | AV       | 224.00         | 400         | Horizontal | Pass    |
| 3   | 5699.000        | 100.74           | -2.24       | --             | --          | Peak     | 270.00         | 150         | Horizontal | N/A     |
| 3** | 5699.000        | 93.48            | -2.24       | --             | --          | AV       | 270.00         | 150         | Horizontal | N/A     |
| 4   | 7705.000        | 53.49            | 2.03        | 74.0           | 20.51       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 4** | 7705.000        | 45.04            | 2.03        | 54.0           | 8.96        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 5   | 11801.187       | 53.10            | -0.16       | 74.0           | 20.90       | Peak     | 28.00          | 100         | Horizontal | Pass    |
| 5** | 11801.187       | 43.53            | -0.16       | 54.0           | 10.47       | AV       | 28.00          | 100         | Horizontal | Pass    |
| 6   | 16178.513       | 54.81            | 1.96        | 74.0           | 19.19       | Peak     | 68.00          | 200         | Horizontal | Pass    |
| 6** | 16178.513       | 44.77            | 1.96        | 54.0           | 9.23        | AV       | 68.00          | 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   | 1464.500        | 37.85            | -17.08      | 74.0           | 36.15       | Peak     | 110.00         | 400         | Vertical | Pass    |
| 1** | 1464.500        | 29.09            | -17.08      | 54.0           | 24.91       | AV       | 110.00         | 400         | Vertical | Pass    |
| 2   | 4257.000        | 47.43            | -4.04       | 74.0           | 26.57       | Peak     | 97.00          | 100         | Vertical | Pass    |
| 2** | 4257.000        | 38.73            | -4.04       | 54.0           | 15.27       | AV       | 97.00          | 100         | Vertical | Pass    |
| 3   | 5703.000        | 93.95            | -2.40       | --             | --          | Peak     | 124.00         | 200         | Vertical | N/A     |
| 3** | 5703.000        | 85.96            | -2.40       | --             | --          | AV       | 124.00         | 200         | Vertical | N/A     |
| 4   | 7713.750        | 52.91            | 1.83        | 74.0           | 21.09       | Peak     | 146.00         | 300         | Vertical | Pass    |
| 4** | 7713.750        | 44.15            | 1.83        | 54.0           | 9.85        | AV       | 146.00         | 300         | Vertical | Pass    |
| 5   | 12439.825       | 52.54            | 1.05        | 74.0           | 21.46       | Peak     | 96.00          | 200         | Vertical | Pass    |
| 5** | 12439.825       | 44.38            | 1.05        | 54.0           | 9.62        | AV       | 96.00          | 200         | Vertical | Pass    |
| 6   | 16143.337       | 54.68            | 2.10        | 74.0           | 19.32       | Peak     | 322.00         | 100         | Vertical | Pass    |
| 6** | 16143.337       | 45.69            | 2.10        | 54.0           | 8.31        | AV       | 322.00         | 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   | 1605.000        | 38.91            | -16.61      | 74.0           | 35.09       | Peak     | 232.00         | 300         | Horizontal | Pass    |
| 1** | 1605.000        | 29.47            | -16.61      | 54.0           | 24.53       | AV       | 232.00         | 300         | Horizontal | Pass    |
| 2   | 4323.000        | 47.79            | -4.83       | 74.0           | 26.21       | Peak     | 98.00          | 200         | Horizontal | Pass    |
| 2** | 4323.000        | 38.75            | -4.83       | 54.0           | 15.25       | AV       | 98.00          | 200         | Horizontal | Pass    |
| 3   | 5498.000        | 102.68           | -2.51       | --             | --          | Peak     | 259.00         | 100         | Horizontal | N/A     |
| 3** | 5498.000        | 95.48            | -2.51       | --             | --          | AV       | 259.00         | 100         | Horizontal | N/A     |
| 4   | 7407.750        | 53.60            | 0.54        | 74.0           | 20.40       | Peak     | 159.00         | 200         | Horizontal | Pass    |
| 4** | 7407.750        | 43.60            | 0.54        | 54.0           | 10.40       | AV       | 159.00         | 200         | Horizontal | Pass    |
| 5   | 12298.988       | 52.77            | 0.57        | 74.0           | 21.23       | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 5** | 12298.988       | 42.88            | 0.57        | 54.0           | 11.12       | AV       | 227.00         | 150         | Horizontal | Pass    |
| 6   | 15915.487       | 54.72            | 1.76        | 74.0           | 19.28       | Peak     | 117.00         | 100         | Horizontal | Pass    |
| 6** | 15915.487       | 45.17            | 1.76        | 54.0           | 8.83        | AV       | 117.00         | 100         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1511.300        | 38.45            | -16.81      | 74.0           | 35.55       | Peak     | 35.00          | 200         | Vertical | Pass    |
| 1** | 1511.300        | 29.46            | -16.81      | 54.0           | 24.54       | AV       | 35.00          | 200         | Vertical | Pass    |
| 2   | 4208.250        | 47.10            | -4.99       | 74.0           | 26.90       | Peak     | 234.00         | 300         | Vertical | Pass    |
| 2** | 4208.250        | 38.08            | -4.99       | 54.0           | 15.92       | AV       | 234.00         | 300         | Vertical | Pass    |
| 3   | 5499.000        | 93.99            | -2.62       | --             | --          | Peak     | 127.00         | 200         | Vertical | N/A     |
| 3** | 5499.000        | 87.61            | -2.62       | --             | --          | AV       | 127.00         | 200         | Vertical | N/A     |
| 4   | 7688.500        | 53.58            | 1.01        | 74.0           | 20.42       | Peak     | 171.00         | 300         | Vertical | Pass    |
| 4** | 7688.500        | 43.90            | 1.01        | 54.0           | 10.10       | AV       | 171.00         | 300         | Vertical | Pass    |
| 5   | 11765.562       | 52.44            | -0.18       | 74.0           | 21.56       | Peak     | 33.00          | 200         | Vertical | Pass    |
| 5** | 11765.562       | 43.57            | -0.18       | 54.0           | 10.43       | AV       | 33.00          | 200         | Vertical | Pass    |
| 6   | 16192.950       | 54.47            | 1.86        | 74.0           | 19.53       | Peak     | 187.00         | 200         | Vertical | Pass    |
| 6** | 16192.950       | 44.41            | 1.86        | 54.0           | 9.59        | AV       | 187.00         | 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   | 1613.000        | 38.71            | -16.60      | 74.0           | 35.29       | Peak     | 295.00         | 100         | Horizontal | Pass    |
| 1** | 1613.000        | 30.08            | -16.60      | 54.0           | 23.92       | AV       | 295.00         | 100         | Horizontal | Pass    |
| 2   | 4292.000        | 47.03            | -4.60       | 74.0           | 26.97       | Peak     | 229.00         | 300         | Horizontal | Pass    |
| 2** | 4292.000        | 37.59            | -4.60       | 54.0           | 16.41       | AV       | 229.00         | 300         | Horizontal | Pass    |
| 3   | 5578.500        | 102.95           | -2.10       | --             | --          | Peak     | 275.00         | 100         | Horizontal | N/A     |
| 3** | 5578.500        | 95.46            | -2.10       | --             | --          | AV       | 275.00         | 100         | Horizontal | N/A     |
| 4   | 7427.500        | 52.99            | 1.29        | 74.0           | 21.01       | Peak     | 178.00         | 300         | Horizontal | Pass    |
| 4** | 7427.500        | 43.79            | 1.29        | 54.0           | 10.21       | AV       | 178.00         | 300         | Horizontal | Pass    |
| 5   | 11788.125       | 52.70            | -0.16       | 74.0           | 21.30       | Peak     | 160.00         | 200         | Horizontal | Pass    |
| 5** | 11788.125       | 43.92            | -0.16       | 54.0           | 10.08       | AV       | 160.00         | 200         | Horizontal | Pass    |
| 6   | 16092.675       | 55.37            | 1.65        | 74.0           | 18.63       | Peak     | 41.00          | 400         | Horizontal | Pass    |
| 6** | 16092.675       | 45.79            | 1.65        | 54.0           | 8.21        | AV       | 41.00          | 400         | 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   | 1602.400        | 38.61            | -17.01      | 74.0           | 35.39       | Peak     | 216.00         | 100         | Vertical | Pass    |
| 1** | 1602.400        | 29.47            | -17.01      | 54.0           | 24.53       | AV       | 216.00         | 100         | Vertical | Pass    |
| 2   | 4215.250        | 46.88            | -5.03       | 74.0           | 27.12       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 2** | 4215.250        | 38.51            | -5.03       | 54.0           | 15.49       | AV       | 0.00           | 300         | Vertical | Pass    |
| 3   | 5578.500        | 95.02            | -2.10       | --             | --          | Peak     | 124.00         | 200         | Vertical | N/A     |
| 3** | 5578.500        | 88.02            | -2.10       | --             | --          | AV       | 124.00         | 200         | Vertical | N/A     |
| 4   | 7417.250        | 53.64            | 0.71        | 74.0           | 20.36       | Peak     | 361.00         | 100         | Vertical | Pass    |
| 4** | 7417.250        | 44.20            | 0.71        | 54.0           | 9.80        | AV       | 361.00         | 100         | Vertical | Pass    |
| 5   | 11273.224       | 52.71            | -1.40       | 74.0           | 21.29       | Peak     | 292.00         | 200         | Vertical | Pass    |
| 5** | 11273.224       | 42.25            | -1.40       | 54.0           | 11.75       | AV       | 292.00         | 200         | Vertical | Pass    |
| 6   | 15927.562       | 55.25            | 1.55        | 74.0           | 18.75       | Peak     | 9.00           | 100         | Vertical | Pass    |
| 6** | 15927.562       | 45.30            | 1.55        | 54.0           | 8.70        | AV       | 9.00           | 100         | 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   | 1545.100        | 37.96            | -17.18      | 74.0           | 36.04       | Peak     | 58.00          | 400         | Horizontal | Pass    |
| 1** | 1545.100        | 28.81            | -17.18      | 54.0           | 25.19       | AV       | 58.00          | 400         | Horizontal | Pass    |
| 2   | 4205.500        | 46.91            | -5.21       | 74.0           | 27.09       | Peak     | 324.00         | 100         | Horizontal | Pass    |
| 2** | 4205.500        | 38.04            | -5.21       | 54.0           | 15.96       | AV       | 324.00         | 100         | Horizontal | Pass    |
| 3   | 5698.500        | 100.85           | -2.31       | --             | --          | Peak     | 285.00         | 100         | Horizontal | N/A     |
| 3** | 5698.500        | 92.91            | -2.31       | --             | --          | AV       | 285.00         | 100         | Horizontal | N/A     |
| 4   | 7421.250        | 53.33            | 1.15        | 74.0           | 20.67       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 4** | 7421.250        | 44.04            | 1.15        | 54.0           | 9.96        | AV       | 0.00           | 400         | Horizontal | Pass    |
| 5   | 11763.900       | 53.34            | -0.18       | 74.0           | 20.66       | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 5** | 11763.900       | 43.41            | -0.18       | 54.0           | 10.59       | AV       | 31.00          | 150         | Horizontal | Pass    |
| 6   | 16163.550       | 54.70            | 2.06        | 74.0           | 19.30       | Peak     | 193.00         | 300         | Horizontal | Pass    |
| 6** | 16163.550       | 44.47            | 2.06        | 54.0           | 9.53        | AV       | 193.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1612.800        | 39.20            | -16.67      | 74.0           | 34.80       | Peak     | 130.00         | 400         | Vertical | Pass    |
| 1** | 1612.800        | 29.61            | -16.67      | 54.0           | 24.39       | AV       | 130.00         | 400         | Vertical | Pass    |
| 2   | 4313.750        | 48.40            | -5.13       | 74.0           | 25.60       | Peak     | 270.00         | 200         | Vertical | Pass    |
| 2** | 4313.750        | 37.64            | -5.13       | 54.0           | 16.36       | AV       | 270.00         | 200         | Vertical | Pass    |
| 3   | 5695.250        | 93.84            | -2.17       | --             | --          | Peak     | 129.00         | 200         | Vertical | N/A     |
| 3** | 5695.250        | 86.76            | -2.17       | --             | --          | AV       | 129.00         | 200         | Vertical | N/A     |
| 4   | 7490.750        | 53.29            | 1.51        | 74.0           | 20.71       | Peak     | 270.00         | 300         | Vertical | Pass    |
| 4** | 7490.750        | 43.53            | 1.51        | 54.0           | 10.47       | AV       | 270.00         | 300         | Vertical | Pass    |
| 5   | 12403.488       | 53.16            | 1.10        | 74.0           | 20.84       | Peak     | 34.00          | 200         | Vertical | Pass    |
| 5** | 12403.488       | 42.80            | 1.10        | 54.0           | 11.20       | AV       | 34.00          | 200         | Vertical | Pass    |
| 6   | 16132.575       | 54.85            | 2.01        | 74.0           | 19.15       | Peak     | 324.00         | 400         | Vertical | Pass    |
| 6** | 16132.575       | 45.10            | 2.01        | 54.0           | 8.90        | AV       | 324.00         | 400         | 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   | 1545.000        | 38.26            | -17.06      | 74.0           | 35.74       | Peak     | 310.00         | 200         | Horizontal | Pass    |
| 1** | 1545.000        | 28.96            | -17.06      | 54.0           | 25.04       | AV       | 310.00         | 200         | Horizontal | Pass    |
| 2   | 4263.750        | 47.13            | -4.69       | 74.0           | 26.87       | Peak     | 169.00         | 300         | Horizontal | Pass    |
| 2** | 4263.750        | 37.69            | -4.69       | 54.0           | 16.31       | AV       | 169.00         | 300         | Horizontal | Pass    |
| 3   | 5498.750        | 102.80           | -2.54       | --             | --          | Peak     | 278.00         | 150         | Horizontal | N/A     |
| 3** | 5498.750        | 95.50            | -2.54       | --             | --          | AV       | 278.00         | 150         | Horizontal | N/A     |
| 4   | 7706.250        | 52.85            | 1.54        | 74.0           | 21.15       | Peak     | 125.00         | 200         | Horizontal | Pass    |
| 4** | 7706.250        | 44.05            | 1.54        | 54.0           | 9.95        | AV       | 125.00         | 200         | Horizontal | Pass    |
| 5   | 11791.213       | 52.34            | -0.15       | 74.0           | 21.66       | Peak     | 126.00         | 150         | Horizontal | Pass    |
| 5** | 11791.213       | 43.52            | -0.15       | 54.0           | 10.48       | AV       | 126.00         | 150         | Horizontal | Pass    |
| 6   | 16123.388       | 54.80            | 1.94        | 74.0           | 19.20       | Peak     | 360.00         | 200         | Horizontal | Pass    |
| 6** | 16123.388       | 46.23            | 1.94        | 54.0           | 7.77        | AV       | 360.00         | 200         | 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   | 1489.600        | 38.29            | -17.12      | 74.0           | 35.71       | Peak     | 200.00         | 100         | Vertical | Pass    |
| 1** | 1489.600        | 28.16            | -17.12      | 54.0           | 25.84       | AV       | 200.00         | 100         | Vertical | Pass    |
| 2   | 4292.000        | 47.61            | -4.60       | 74.0           | 26.39       | Peak     | 236.00         | 400         | Vertical | Pass    |
| 2** | 4292.000        | 38.13            | -4.60       | 54.0           | 15.87       | AV       | 236.00         | 400         | Vertical | Pass    |
| 3   | 5499.000        | 94.54            | -2.62       | --             | --          | Peak     | 134.00         | 200         | Vertical | N/A     |
| 3** | 5499.000        | 87.01            | -2.62       | --             | --          | AV       | 134.00         | 200         | Vertical | N/A     |
| 4   | 7686.500        | 53.76            | 1.12        | 74.0           | 20.24       | Peak     | 134.00         | 300         | Vertical | Pass    |
| 4** | 7686.500        | 44.03            | 1.12        | 54.0           | 9.97        | AV       | 134.00         | 300         | Vertical | Pass    |
| 5   | 11764.138       | 53.32            | -0.18       | 74.0           | 20.68       | Peak     | 92.00          | 150         | Vertical | Pass    |
| 5** | 11764.138       | 43.54            | -0.18       | 54.0           | 10.46       | AV       | 92.00          | 150         | Vertical | Pass    |
| 6   | 15920.737       | 55.16            | 1.67        | 74.0           | 18.84       | Peak     | 194.00         | 300         | Vertical | Pass    |
| 6** | 15920.737       | 44.57            | 1.67        | 54.0           | 9.43        | AV       | 194.00         | 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   | 1612.000        | 38.37            | -16.84      | 74.0           | 35.63       | Peak     | 0.00           | 400         | Horizontal | Pass    |
| 1** | 1612.000        | 29.98            | -16.84      | 54.0           | 24.02       | AV       | 0.00           | 400         | Horizontal | Pass    |
| 2   | 3990.750        | 47.28            | -5.85       | 74.0           | 26.72       | Peak     | 95.00          | 100         | Horizontal | Pass    |
| 2** | 3990.750        | 36.94            | -5.85       | 54.0           | 17.06       | AV       | 95.00          | 100         | Horizontal | Pass    |
| 3   | 5578.500        | 103.16           | -2.10       | --             | --          | Peak     | 271.00         | 100         | Horizontal | N/A     |
| 3** | 5578.500        | 95.67            | -2.10       | --             | --          | AV       | 271.00         | 100         | Horizontal | N/A     |
| 4   | 7709.250        | 53.23            | 1.90        | 74.0           | 20.77       | Peak     | 22.00          | 300         | Horizontal | Pass    |
| 4** | 7709.250        | 45.17            | 1.90        | 54.0           | 8.83        | AV       | 22.00          | 300         | Horizontal | Pass    |
| 5   | 12001.162       | 52.89            | 0.45        | 74.0           | 21.11       | Peak     | 294.00         | 100         | Horizontal | Pass    |
| 5** | 12001.162       | 44.04            | 0.45        | 54.0           | 9.96        | AV       | 294.00         | 100         | Horizontal | Pass    |
| 6   | 15872.437       | 54.80            | 1.82        | 74.0           | 19.20       | Peak     | 347.00         | 100         | Horizontal | Pass    |
| 6** | 15872.437       | 45.09            | 1.82        | 54.0           | 8.91        | AV       | 347.00         | 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   | 1624.700        | 38.07            | -16.98      | 74.0           | 35.93       | Peak     | 172.00         | 400         | Vertical | Pass    |
| 1** | 1624.700        | 28.23            | -16.98      | 54.0           | 25.77       | AV       | 172.00         | 400         | Vertical | Pass    |
| 2   | 4324.500        | 47.18            | -4.97       | 74.0           | 26.82       | Peak     | 131.00         | 400         | Vertical | Pass    |
| 2** | 4324.500        | 37.30            | -4.97       | 54.0           | 16.70       | AV       | 131.00         | 400         | Vertical | Pass    |
| 3   | 5581.250        | 95.48            | -1.94       | --             | --          | Peak     | 131.00         | 100         | Vertical | N/A     |
| 3** | 5581.250        | 87.76            | -1.94       | --             | --          | AV       | 131.00         | 100         | Vertical | N/A     |
| 4   | 7488.000        | 53.79            | 1.53        | 74.0           | 20.21       | Peak     | 360.00         | 200         | Vertical | Pass    |
| 4** | 7488.000        | 44.72            | 1.53        | 54.0           | 9.28        | AV       | 360.00         | 200         | Vertical | Pass    |
| 5   | 11794.775       | 52.76            | -0.15       | 74.0           | 21.24       | Peak     | 296.00         | 200         | Vertical | Pass    |
| 5** | 11794.775       | 43.60            | -0.15       | 54.0           | 10.40       | AV       | 296.00         | 200         | Vertical | Pass    |
| 6   | 16085.850       | 54.53            | 1.56        | 74.0           | 19.47       | Peak     | 309.00         | 100         | Vertical | Pass    |
| 6** | 16085.850       | 45.55            | 1.56        | 54.0           | 8.45        | AV       | 309.00         | 100         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1464.700        | 38.18            | -17.07      | 74.0           | 35.82       | Peak     | 47.00          | 200         | Horizontal | Pass    |
| 1** | 1464.700        | 28.59            | -17.07      | 54.0           | 25.41       | AV       | 47.00          | 200         | Horizontal | Pass    |
| 2   | 4221.250        | 46.74            | -5.26       | 74.0           | 27.26       | Peak     | 264.00         | 100         | Horizontal | Pass    |
| 2** | 4221.250        | 36.87            | -5.26       | 54.0           | 17.13       | AV       | 264.00         | 100         | Horizontal | Pass    |
| 3   | 5701.000        | 100.67           | -2.25       | --             | --          | Peak     | 264.00         | 200         | Horizontal | N/A     |
| 3** | 5701.000        | 93.08            | -2.25       | --             | --          | AV       | 264.00         | 200         | Horizontal | N/A     |
| 4   | 7473.500        | 53.13            | 0.27        | 74.0           | 20.87       | Peak     | 64.00          | 100         | Horizontal | Pass    |
| 4** | 7473.500        | 43.63            | 0.27        | 54.0           | 10.37       | AV       | 64.00          | 100         | Horizontal | Pass    |
| 5   | 12455.262       | 53.05            | 1.08        | 74.0           | 20.95       | Peak     | 196.00         | 200         | Horizontal | Pass    |
| 5** | 12455.262       | 44.14            | 1.08        | 54.0           | 9.86        | AV       | 196.00         | 200         | Horizontal | Pass    |
| 6   | 15652.200       | 54.95            | 2.12        | 74.0           | 19.05       | Peak     | 197.00         | 400         | Horizontal | Pass    |
| 6** | 15652.200       | 44.71            | 2.12        | 54.0           | 9.29        | AV       | 197.00         | 400         | 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   | 1612.500        | 38.54            | -16.78      | 74.0           | 35.46       | Peak     | 57.00          | 300         | Vertical | Pass    |
| 1** | 1612.500        | 29.40            | -16.78      | 54.0           | 24.60       | AV       | 57.00          | 300         | Vertical | Pass    |
| 2   | 4249.500        | 47.03            | -4.35       | 74.0           | 26.97       | Peak     | 163.00         | 300         | Vertical | Pass    |
| 2** | 4249.500        | 38.11            | -4.35       | 54.0           | 15.89       | AV       | 163.00         | 300         | Vertical | Pass    |
| 3   | 5695.250        | 94.89            | -2.17       | --             | --          | Peak     | 122.00         | 100         | Vertical | N/A     |
| 3** | 5695.250        | 86.69            | -2.17       | --             | --          | AV       | 122.00         | 100         | Vertical | N/A     |
| 4   | 7686.500        | 53.84            | 1.12        | 74.0           | 20.16       | Peak     | 325.00         | 300         | Vertical | Pass    |
| 4** | 7686.500        | 43.92            | 1.12        | 54.0           | 10.08       | AV       | 325.00         | 300         | Vertical | Pass    |
| 5   | 12174.537       | 52.95            | 0.18        | 74.0           | 21.05       | Peak     | 301.00         | 150         | Vertical | Pass    |
| 5** | 12174.537       | 42.74            | 0.18        | 54.0           | 11.26       | AV       | 301.00         | 150         | Vertical | Pass    |
| 6   | 16127.849       | 55.47            | 1.97        | 74.0           | 18.53       | Peak     | 83.00          | 400         | Vertical | Pass    |
| 6** | 16127.849       | 45.50            | 1.97        | 54.0           | 8.50        | AV       | 83.00          | 400         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1613.300        | 39.05            | -16.72      | 74.0           | 34.95       | Peak     | 194.00         | 300         | Horizontal | Pass    |
| 1** | 1613.300        | 30.16            | -16.72      | 54.0           | 23.84       | AV       | 194.00         | 300         | Horizontal | Pass    |
| 2   | 4194.000        | 47.13            | -5.27       | 74.0           | 26.87       | Peak     | 72.00          | 400         | Horizontal | Pass    |
| 2** | 4194.000        | 37.72            | -5.27       | 54.0           | 16.28       | AV       | 72.00          | 400         | Horizontal | Pass    |
| 3   | 5743.250        | 102.25           | -2.09       | --             | --          | Peak     | 265.00         | 150         | Horizontal | N/A     |
| 3** | 5743.250        | 95.12            | -2.09       | --             | --          | AV       | 265.00         | 150         | Horizontal | N/A     |
| 4   | 7702.250        | 53.36            | 1.52        | 74.0           | 20.64       | Peak     | 265.00         | 200         | Horizontal | Pass    |
| 4** | 7702.250        | 44.84            | 1.52        | 54.0           | 9.16        | AV       | 265.00         | 200         | Horizontal | Pass    |
| 5   | 12207.075       | 52.95            | 0.50        | 74.0           | 21.05       | Peak     | 86.00          | 150         | Horizontal | Pass    |
| 5** | 12207.075       | 43.46            | 0.50        | 54.0           | 10.54       | AV       | 86.00          | 150         | Horizontal | Pass    |
| 6   | 16101.862       | 54.86            | 1.77        | 74.0           | 19.14       | Peak     | 217.00         | 300         | Horizontal | Pass    |
| 6** | 16101.862       | 45.05            | 1.77        | 54.0           | 8.95        | AV       | 217.00         | 300         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1574.700        | 37.89            | -16.87      | 74.0           | 36.11       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 1** | 1574.700        | 28.09            | -16.87      | 54.0           | 25.91       | AV       | 0.00           | 200         | Vertical | Pass    |
| 2   | 4007.000        | 47.13            | -5.93       | 74.0           | 26.87       | Peak     | 145.00         | 100         | Vertical | Pass    |
| 2** | 4007.000        | 38.10            | -5.93       | 54.0           | 15.90       | AV       | 145.00         | 100         | Vertical | Pass    |
| 3   | 5747.000        | 96.27            | -2.01       | --             | --          | Peak     | 120.00         | 100         | Vertical | N/A     |
| 3** | 5747.000        | 88.52            | -2.01       | --             | --          | AV       | 120.00         | 100         | Vertical | N/A     |
| 4   | 7713.750        | 53.39            | 1.83        | 74.0           | 20.61       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 4** | 7713.750        | 44.17            | 1.83        | 54.0           | 9.83        | AV       | 0.00           | 100         | Vertical | Pass    |
| 5   | 11751.312       | 53.15            | -0.19       | 74.0           | 20.85       | Peak     | 28.00          | 200         | Vertical | Pass    |
| 5** | 11751.312       | 43.31            | -0.19       | 54.0           | 10.69       | AV       | 28.00          | 200         | Vertical | Pass    |
| 6   | 15898.951       | 56.01            | 2.02        | 74.0           | 17.99       | Peak     | 196.00         | 100         | Vertical | Pass    |
| 6** | 15898.951       | 45.58            | 2.02        | 54.0           | 8.42        | AV       | 196.00         | 100         | 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   | 1592.800        | 38.30            | -16.59      | 74.0           | 35.70       | Peak     | 332.00         | 300         | Horizontal | Pass    |
| 1** | 1592.800        | 28.72            | -16.59      | 54.0           | 25.28       | AV       | 332.00         | 300         | Horizontal | Pass    |
| 2   | 4249.750        | 48.11            | -4.27       | 74.0           | 25.89       | Peak     | 288.00         | 300         | Horizontal | Pass    |
| 2** | 4249.750        | 38.04            | -4.27       | 54.0           | 15.96       | AV       | 288.00         | 300         | Horizontal | Pass    |
| 3   | 5786.750        | 101.70           | -2.38       | --             | --          | Peak     | 288.00         | 200         | Horizontal | N/A     |
| 3** | 5786.750        | 93.61            | -2.38       | --             | --          | AV       | 288.00         | 200         | Horizontal | N/A     |
| 4   | 7420.250        | 53.42            | 1.47        | 74.0           | 20.58       | Peak     | 339.00         | 100         | Horizontal | Pass    |
| 4** | 7420.250        | 44.35            | 1.47        | 54.0           | 9.65        | AV       | 339.00         | 100         | Horizontal | Pass    |
| 5   | 11767.224       | 52.83            | -0.18       | 74.0           | 21.17       | Peak     | 181.00         | 150         | Horizontal | Pass    |
| 5** | 11767.224       | 43.87            | -0.18       | 54.0           | 10.13       | AV       | 181.00         | 150         | Horizontal | Pass    |
| 6   | 15907.350       | 54.80            | 1.90        | 74.0           | 19.20       | Peak     | 268.00         | 400         | Horizontal | Pass    |
| 6** | 15907.350       | 45.97            | 1.90        | 54.0           | 8.03        | AV       | 268.00         | 400         | 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   | 1613.900        | 38.51            | -16.70      | 74.0           | 35.49       | Peak     | 329.00         | 200         | Vertical | Pass    |
| 1** | 1613.900        | 28.92            | -16.70      | 54.0           | 25.08       | AV       | 329.00         | 200         | Vertical | Pass    |
| 2   | 4319.250        | 47.56            | -5.02       | 74.0           | 26.44       | Peak     | 13.00          | 400         | Vertical | Pass    |
| 2** | 4319.250        | 38.50            | -5.02       | 54.0           | 15.50       | AV       | 13.00          | 400         | Vertical | Pass    |
| 3   | 5786.250        | 97.29            | -2.30       | --             | --          | Peak     | 129.00         | 200         | Vertical | N/A     |
| 3** | 5786.250        | 89.19            | -2.30       | --             | --          | AV       | 129.00         | 200         | Vertical | N/A     |
| 4   | 7516.500        | 53.09            | 0.16        | 74.0           | 20.91       | Peak     | 81.00          | 300         | Vertical | Pass    |
| 4** | 7516.500        | 42.97            | 0.16        | 54.0           | 11.03       | AV       | 81.00          | 300         | Vertical | Pass    |
| 5   | 12515.112       | 52.79            | 1.35        | 74.0           | 21.21       | Peak     | 86.00          | 100         | Vertical | Pass    |
| 5** | 12515.112       | 43.12            | 1.35        | 54.0           | 10.88       | AV       | 86.00          | 100         | Vertical | Pass    |
| 6   | 15664.538       | 55.09            | 1.99        | 74.0           | 18.91       | Peak     | 197.00         | 200         | Vertical | Pass    |
| 6** | 15664.538       | 44.49            | 1.99        | 54.0           | 9.51        | AV       | 197.00         | 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   | 1609.500        | 38.77            | -16.96      | 74.0           | 35.23       | Peak     | 178.00         | 400         | Horizontal | Pass    |
| 1** | 1609.500        | 29.01            | -16.96      | 54.0           | 24.99       | AV       | 178.00         | 400         | Horizontal | Pass    |
| 2   | 4382.250        | 47.39            | -5.24       | 74.0           | 26.61       | Peak     | 36.00          | 400         | Horizontal | Pass    |
| 2** | 4382.250        | 38.20            | -5.24       | 54.0           | 15.80       | AV       | 36.00          | 400         | Horizontal | Pass    |
| 3   | 5823.500        | 97.11            | -2.77       | --             | --          | Peak     | 302.00         | 150         | Horizontal | N/A     |
| 3** | 5823.500        | 89.07            | -2.77       | --             | --          | AV       | 302.00         | 150         | Horizontal | N/A     |
| 4   | 7716.500        | 54.25            | 1.23        | 74.0           | 19.75       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 4** | 7716.500        | 43.95            | 1.23        | 54.0           | 10.05       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 5   | 12393.513       | 53.08            | 1.07        | 74.0           | 20.92       | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 5** | 12393.513       | 43.18            | 1.07        | 54.0           | 10.82       | AV       | 279.00         | 150         | Horizontal | Pass    |
| 6   | 16113.937       | 54.84            | 1.86        | 74.0           | 19.16       | Peak     | 4.00           | 100         | Horizontal | Pass    |
| 6** | 16113.937       | 45.07            | 1.86        | 54.0           | 8.93        | AV       | 4.00           | 100         | 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   | 1456.300        | 38.52            | -17.01      | 74.0           | 35.48       | Peak     | 41.00          | 100         | Vertical | Pass    |
| 1** | 1456.300        | 29.87            | -17.01      | 54.0           | 24.13       | AV       | 41.00          | 100         | Vertical | Pass    |
| 2   | 4280.250        | 47.37            | -4.62       | 74.0           | 26.63       | Peak     | 37.00          | 400         | Vertical | Pass    |
| 2** | 4280.250        | 37.98            | -4.62       | 54.0           | 16.02       | AV       | 37.00          | 400         | Vertical | Pass    |
| 3   | 5823.750        | 96.69            | -2.78       | --             | --          | Peak     | 159.00         | 200         | Vertical | N/A     |
| 3** | 5823.750        | 89.36            | -2.78       | --             | --          | AV       | 159.00         | 200         | Vertical | N/A     |
| 4   | 7509.500        | 53.43            | 0.24        | 74.0           | 20.57       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 4** | 7509.500        | 43.49            | 0.24        | 54.0           | 10.51       | AV       | 360.00         | 300         | Vertical | Pass    |
| 5   | 12504.188       | 53.44            | 1.41        | 74.0           | 20.56       | Peak     | 143.00         | 150         | Vertical | Pass    |
| 5** | 12504.188       | 44.08            | 1.41        | 54.0           | 9.92        | AV       | 143.00         | 150         | Vertical | Pass    |
| 6   | 16035.974       | 54.17            | 1.14        | 74.0           | 19.83       | Peak     | 108.00         | 300         | Vertical | Pass    |
| 6** | 16035.974       | 44.98            | 1.14        | 54.0           | 9.02        | AV       | 108.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1530.800        | 38.81            | -16.97      | 74.0           | 35.19       | Peak     | 104.00         | 100         | Horizontal | Pass    |
| 1** | 1530.800        | 28.52            | -16.97      | 54.0           | 25.48       | AV       | 104.00         | 100         | Horizontal | Pass    |
| 2   | 4376.500        | 47.66            | -5.30       | 74.0           | 26.34       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 2** | 4376.500        | 38.01            | -5.30       | 54.0           | 15.99       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 3   | 5746.750        | 102.33           | -2.01       | --             | --          | Peak     | 276.00         | 100         | Horizontal | N/A     |
| 3** | 5746.750        | 94.73            | -2.01       | --             | --          | AV       | 276.00         | 100         | Horizontal | N/A     |
| 4   | 7676.250        | 53.19            | 0.76        | 74.0           | 20.81       | Peak     | 0.00           | 300         | Horizontal | Pass    |
| 4** | 7676.250        | 43.50            | 0.76        | 54.0           | 10.50       | AV       | 0.00           | 300         | Horizontal | Pass    |
| 5   | 12251.250       | 52.65            | 1.09        | 74.0           | 21.35       | Peak     | 67.00          | 200         | Horizontal | Pass    |
| 5** | 12251.250       | 43.56            | 1.09        | 54.0           | 10.44       | AV       | 67.00          | 200         | Horizontal | Pass    |
| 6   | 16057.238       | 55.08            | 1.19        | 74.0           | 18.92       | Peak     | 293.00         | 200         | Horizontal | Pass    |
| 6** | 16057.238       | 45.06            | 1.19        | 54.0           | 8.94        | AV       | 293.00         | 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   | 1438.000        | 38.31            | -17.26      | 74.0           | 35.69       | Peak     | 287.00         | 200         | Vertical | Pass    |
| 1** | 1438.000        | 28.92            | -17.26      | 54.0           | 25.08       | AV       | 287.00         | 200         | Vertical | Pass    |
| 2   | 4177.750        | 47.12            | -5.32       | 74.0           | 26.88       | Peak     | 360.00         | 300         | Vertical | Pass    |
| 2** | 4177.750        | 37.39            | -5.32       | 54.0           | 16.61       | AV       | 360.00         | 300         | Vertical | Pass    |
| 3   | 5747.250        | 97.06            | -2.05       | --             | --          | Peak     | 128.00         | 200         | Vertical | N/A     |
| 3** | 5747.250        | 89.13            | -2.05       | --             | --          | AV       | 128.00         | 200         | Vertical | N/A     |
| 4   | 7707.250        | 53.01            | 1.56        | 74.0           | 20.99       | Peak     | 319.00         | 200         | Vertical | Pass    |
| 4** | 7707.250        | 44.11            | 1.56        | 54.0           | 9.89        | AV       | 319.00         | 200         | Vertical | Pass    |
| 5   | 12113.025       | 52.95            | -0.15       | 74.0           | 21.05       | Peak     | 2.00           | 200         | Vertical | Pass    |
| 5** | 12113.025       | 41.99            | -0.15       | 54.0           | 12.01       | AV       | 2.00           | 200         | Vertical | Pass    |
| 6   | 15933.075       | 54.99            | 1.45        | 74.0           | 19.01       | Peak     | 111.00         | 200         | Vertical | Pass    |
| 6** | 15933.075       | 44.92            | 1.45        | 54.0           | 9.08        | AV       | 111.00         | 200         | 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   | 1617.900        | 37.94            | -16.93      | 74.0           | 36.06       | Peak     | 64.00          | 400         | Horizontal | Pass    |
| 1** | 1617.900        | 28.91            | -16.93      | 54.0           | 25.09       | AV       | 64.00          | 400         | Horizontal | Pass    |
| 2   | 4194.250        | 47.14            | -5.33       | 74.0           | 26.86       | Peak     | 16.00          | 100         | Horizontal | Pass    |
| 2** | 4194.250        | 37.55            | -5.33       | 54.0           | 16.45       | AV       | 16.00          | 100         | Horizontal | Pass    |
| 3   | 5786.000        | 101.00           | -2.41       | --             | --          | Peak     | 281.00         | 100         | Horizontal | N/A     |
| 3** | 5786.000        | 93.92            | -2.41       | --             | --          | AV       | 281.00         | 100         | Horizontal | N/A     |
| 4   | 7708.750        | 53.74            | 1.82        | 74.0           | 20.26       | Peak     | 237.00         | 200         | Horizontal | Pass    |
| 4** | 7708.750        | 44.82            | 1.82        | 54.0           | 9.18        | AV       | 237.00         | 200         | Horizontal | Pass    |
| 5   | 12257.662       | 52.80            | 1.02        | 74.0           | 21.20       | Peak     | 358.00         | 200         | Horizontal | Pass    |
| 5** | 12257.662       | 43.46            | 1.02        | 54.0           | 10.54       | AV       | 358.00         | 200         | Horizontal | Pass    |
| 6   | 16106.849       | 54.88            | 1.81        | 74.0           | 19.12       | Peak     | 91.00          | 400         | Horizontal | Pass    |
| 6** | 16106.849       | 46.36            | 1.81        | 54.0           | 7.64        | AV       | 91.00          | 400         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1511.700        | 38.78            | -16.71      | 74.0           | 35.22       | Peak     | 360.00         | 400         | Vertical | Pass    |
| 1** | 1511.700        | 30.28            | -16.71      | 54.0           | 23.72       | AV       | 360.00         | 400         | Vertical | Pass    |
| 2   | 4260.500        | 48.05            | -4.43       | 74.0           | 25.95       | Peak     | 103.00         | 200         | Vertical | Pass    |
| 2** | 4260.500        | 38.54            | -4.43       | 54.0           | 15.46       | AV       | 103.00         | 200         | Vertical | Pass    |
| 3   | 5783.750        | 96.77            | -2.79       | --             | --          | Peak     | 125.00         | 100         | Vertical | N/A     |
| 3** | 5783.750        | 89.14            | -2.79       | --             | --          | AV       | 125.00         | 100         | Vertical | N/A     |
| 4   | 7490.000        | 53.40            | 1.37        | 74.0           | 20.60       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 4** | 7490.000        | 43.32            | 1.37        | 54.0           | 10.68       | AV       | 0.00           | 100         | Vertical | Pass    |
| 5   | 12262.175       | 53.51            | 0.97        | 74.0           | 20.49       | Peak     | 42.00          | 200         | Vertical | Pass    |
| 5** | 12262.175       | 44.29            | 0.97        | 54.0           | 9.71        | AV       | 42.00          | 200         | Vertical | Pass    |
| 6   | 16128.375       | 54.72            | 1.98        | 74.0           | 19.28       | Peak     | 139.00         | 200         | Vertical | Pass    |
| 6** | 16128.375       | 45.99            | 1.98        | 54.0           | 8.01        | AV       | 139.00         | 200         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1575.000        | 38.65            | -16.83      | 74.0           | 35.35       | Peak     | 279.00         | 100         | Horizontal | Pass    |
| 1** | 1575.000        | 28.23            | -16.83      | 54.0           | 25.77       | AV       | 279.00         | 100         | Horizontal | Pass    |
| 2   | 4264.250        | 47.00            | -4.83       | 74.0           | 27.00       | Peak     | 76.00          | 100         | Horizontal | Pass    |
| 2** | 4264.250        | 37.58            | -4.83       | 54.0           | 16.42       | AV       | 76.00          | 100         | Horizontal | Pass    |
| 3   | 5822.250        | 100.59           | -2.34       | --             | --          | Peak     | 295.00         | 200         | Horizontal | N/A     |
| 3** | 5822.250        | 92.55            | -2.34       | --             | --          | AV       | 295.00         | 200         | Horizontal | N/A     |
| 4   | 7683.000        | 53.74            | 0.66        | 74.0           | 20.26       | Peak     | 360.00         | 300         | Horizontal | Pass    |
| 4** | 7683.000        | 43.88            | 0.66        | 54.0           | 10.12       | AV       | 360.00         | 300         | Horizontal | Pass    |
| 5   | 11805.463       | 53.17            | -0.21       | 74.0           | 20.83       | Peak     | 169.00         | 200         | Horizontal | Pass    |
| 5** | 11805.463       | 43.60            | -0.21       | 54.0           | 10.40       | AV       | 169.00         | 200         | Horizontal | Pass    |
| 6   | 15892.388       | 54.34            | 1.97        | 74.0           | 19.66       | Peak     | 28.00          | 300         | Horizontal | Pass    |
| 6** | 15892.388       | 44.98            | 1.97        | 54.0           | 9.02        | AV       | 28.00          | 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   | 1616.100        | 38.72            | -16.75      | 74.0           | 35.28       | Peak     | 274.00         | 300         | Vertical | Pass    |
| 1** | 1616.100        | 29.42            | -16.75      | 54.0           | 24.58       | AV       | 274.00         | 300         | Vertical | Pass    |
| 2   | 4255.500        | 47.40            | -3.95       | 74.0           | 26.60       | Peak     | 0.00           | 300         | Vertical | Pass    |
| 2** | 4255.500        | 37.80            | -3.95       | 54.0           | 16.20       | AV       | 0.00           | 300         | Vertical | Pass    |
| 3   | 5826.750        | 96.11            | -2.49       | --             | --          | Peak     | 164.00         | 200         | Vertical | N/A     |
| 3** | 5826.750        | 87.98            | -2.49       | --             | --          | AV       | 164.00         | 200         | Vertical | N/A     |
| 4   | 7708.500        | 54.06            | 1.84        | 74.0           | 19.94       | Peak     | 43.00          | 100         | Vertical | Pass    |
| 4** | 7708.500        | 44.76            | 1.84        | 54.0           | 9.24        | AV       | 43.00          | 100         | Vertical | Pass    |
| 5   | 11652.275       | 53.00            | -1.31       | 74.0           | 21.00       | Peak     | 45.00          | 150         | Vertical | Pass    |
| 5** | 11652.275       | 43.63            | -1.31       | 54.0           | 10.37       | AV       | 45.00          | 150         | Vertical | Pass    |
| 6   | 16101.599       | 55.65            | 1.76        | 74.0           | 18.35       | Peak     | 283.00         | 200         | Vertical | Pass    |
| 6** | 16101.599       | 45.80            | 1.76        | 54.0           | 8.20        | AV       | 283.00         | 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   | 1612.500        | 38.11            | -16.78      | 74.0           | 35.89       | Peak     | 18.00          | 100         | Horizontal | Pass    |
| 1** | 1612.500        | 29.31            | -16.78      | 54.0           | 24.69       | AV       | 18.00          | 100         | Horizontal | Pass    |
| 2   | 4286.750        | 47.14            | -4.57       | 74.0           | 26.86       | Peak     | 342.00         | 300         | Horizontal | Pass    |
| 2** | 4286.750        | 37.82            | -4.57       | 54.0           | 16.18       | AV       | 342.00         | 300         | Horizontal | Pass    |
| 3   | 5746.750        | 102.27           | -2.01       | --             | --          | Peak     | 248.00         | 200         | Horizontal | N/A     |
| 3** | 5746.750        | 94.76            | -2.01       | --             | --          | AV       | 248.00         | 200         | Horizontal | N/A     |
| 4   | 7704.000        | 53.15            | 1.37        | 74.0           | 20.85       | Peak     | 90.00          | 200         | Horizontal | Pass    |
| 4** | 7704.000        | 43.88            | 1.37        | 54.0           | 10.12       | AV       | 90.00          | 200         | Horizontal | Pass    |
| 5   | 12440.063       | 53.27            | 1.05        | 74.0           | 20.73       | Peak     | 165.00         | 150         | Horizontal | Pass    |
| 5** | 12440.063       | 43.29            | 1.05        | 54.0           | 10.71       | AV       | 165.00         | 150         | Horizontal | Pass    |
| 6   | 15422.513       | 54.47            | 2.51        | 74.0           | 19.53       | Peak     | 205.00         | 200         | Horizontal | Pass    |
| 6** | 15422.513       | 44.12            | 2.51        | 54.0           | 9.88        | AV       | 205.00         | 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   | 1454.500        | 38.39            | -17.02      | 74.0           | 35.61       | Peak     | 234.00         | 300         | Vertical | Pass    |
| 1** | 1454.500        | 29.44            | -17.02      | 54.0           | 24.56       | AV       | 234.00         | 300         | Vertical | Pass    |
| 2   | 4348.500        | 47.10            | -4.65       | 74.0           | 26.90       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 2** | 4348.500        | 38.09            | -4.65       | 54.0           | 15.91       | AV       | 0.00           | 200         | Vertical | Pass    |
| 3   | 5746.750        | 97.11            | -2.01       | --             | --          | Peak     | 135.00         | 150         | Vertical | N/A     |
| 3** | 5746.750        | 88.84            | -2.01       | --             | --          | AV       | 135.00         | 150         | Vertical | N/A     |
| 4   | 7709.750        | 53.20            | 1.76        | 74.0           | 20.80       | Peak     | 0.00           | 200         | Vertical | Pass    |
| 4** | 7709.750        | 44.75            | 1.76        | 54.0           | 9.25        | AV       | 0.00           | 200         | Vertical | Pass    |
| 5   | 11801.425       | 52.87            | -0.16       | 74.0           | 21.13       | Peak     | 164.00         | 100         | Vertical | Pass    |
| 5** | 11801.425       | 43.56            | -0.16       | 54.0           | 10.44       | AV       | 164.00         | 100         | Vertical | Pass    |
| 6   | 16124.438       | 54.76            | 1.95        | 74.0           | 19.24       | Peak     | 122.00         | 300         | Vertical | Pass    |
| 6** | 16124.438       | 46.18            | 1.95        | 54.0           | 7.82        | AV       | 122.00         | 300         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1600.700        | 38.58            | -16.99      | 74.0           | 35.42       | Peak     | 283.00         | 400         | Horizontal | Pass    |
| 1** | 1600.700        | 29.41            | -16.99      | 54.0           | 24.59       | AV       | 283.00         | 400         | Horizontal | Pass    |
| 2   | 4279.750        | 47.40            | -4.66       | 74.0           | 26.60       | Peak     | 192.00         | 300         | Horizontal | Pass    |
| 2** | 4279.750        | 37.90            | -4.66       | 54.0           | 16.10       | AV       | 192.00         | 300         | Horizontal | Pass    |
| 3   | 5786.500        | 101.17           | -2.25       | --             | --          | Peak     | 282.00         | 100         | Horizontal | N/A     |
| 3** | 5786.500        | 94.26            | -2.25       | --             | --          | AV       | 282.00         | 100         | Horizontal | N/A     |
| 4   | 7685.250        | 53.60            | 0.86        | 74.0           | 20.40       | Peak     | 238.00         | 100         | Horizontal | Pass    |
| 4** | 7685.250        | 43.76            | 0.86        | 54.0           | 10.24       | AV       | 238.00         | 100         | Horizontal | Pass    |
| 5   | 12202.563       | 52.93            | 0.44        | 74.0           | 21.07       | Peak     | 56.00          | 100         | Horizontal | Pass    |
| 5** | 12202.563       | 43.99            | 0.44        | 54.0           | 10.01       | AV       | 56.00          | 100         | Horizontal | Pass    |
| 6   | 15407.025       | 54.64            | 2.82        | 74.0           | 19.36       | Peak     | 21.00          | 200         | Horizontal | Pass    |
| 6** | 15407.025       | 44.66            | 2.82        | 54.0           | 9.34        | AV       | 21.00          | 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   | 1478.600        | 38.49            | -16.97      | 74.0           | 35.51       | Peak     | 124.00         | 200         | Vertical | Pass    |
| 1** | 1478.600        | 28.00            | -16.97      | 54.0           | 26.00       | AV       | 124.00         | 200         | Vertical | Pass    |
| 2   | 4245.250        | 47.48            | -4.33       | 74.0           | 26.52       | Peak     | 127.00         | 400         | Vertical | Pass    |
| 2** | 4245.250        | 37.63            | -4.33       | 54.0           | 16.37       | AV       | 127.00         | 400         | Vertical | Pass    |
| 3   | 5784.250        | 96.84            | -2.76       | --             | --          | Peak     | 127.00         | 200         | Vertical | N/A     |
| 3** | 5784.250        | 89.28            | -2.76       | --             | --          | AV       | 127.00         | 200         | Vertical | N/A     |
| 4   | 7714.750        | 53.04            | 1.62        | 74.0           | 20.96       | Peak     | 34.00          | 200         | Vertical | Pass    |
| 4** | 7714.750        | 44.48            | 1.62        | 54.0           | 9.52        | AV       | 34.00          | 200         | Vertical | Pass    |
| 5   | 12009.713       | 52.57            | 0.34        | 74.0           | 21.43       | Peak     | 323.00         | 200         | Vertical | Pass    |
| 5** | 12009.713       | 42.82            | 0.34        | 54.0           | 11.18       | AV       | 323.00         | 200         | Vertical | Pass    |
| 6   | 16136.776       | 54.46            | 2.05        | 74.0           | 19.54       | Peak     | 339.00         | 100         | Vertical | Pass    |
| 6** | 16136.776       | 46.74            | 2.05        | 54.0           | 7.26        | AV       | 339.00         | 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   | 1571.500        | 38.76            | -17.03      | 74.0           | 35.24       | Peak     | 1.00           | 400         | Horizontal | Pass    |
| 1** | 1571.500        | 29.88            | -17.03      | 54.0           | 24.12       | AV       | 1.00           | 400         | Horizontal | Pass    |
| 2   | 4314.000        | 46.68            | -4.99       | 74.0           | 27.32       | Peak     | 106.00         | 400         | Horizontal | Pass    |
| 2** | 4314.000        | 37.97            | -4.99       | 54.0           | 16.03       | AV       | 106.00         | 400         | Horizontal | Pass    |
| 3   | 5823.000        | 99.99            | -2.53       | --             | --          | Peak     | 286.00         | 100         | Horizontal | N/A     |
| 3** | 5823.000        | 92.78            | -2.53       | --             | --          | AV       | 286.00         | 100         | Horizontal | N/A     |
| 4   | 7599.500        | 54.21            | 1.09        | 74.0           | 19.79       | Peak     | 332.00         | 200         | Horizontal | Pass    |
| 4** | 7599.500        | 43.82            | 1.09        | 54.0           | 10.18       | AV       | 332.00         | 200         | Horizontal | Pass    |
| 5   | 11653.224       | 54.15            | -1.29       | 74.0           | 19.85       | Peak     | 327.00         | 150         | Horizontal | Pass    |
| 5** | 11653.224       | 44.53            | -1.29       | 54.0           | 9.47        | AV       | 327.00         | 150         | Horizontal | Pass    |
| 6   | 15902.625       | 54.51            | 1.98        | 74.0           | 19.49       | Peak     | 227.00         | 200         | Horizontal | Pass    |
| 6** | 15902.625       | 46.02            | 1.98        | 54.0           | 7.98        | AV       | 227.00         | 200         | Horizontal | Pass    |

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

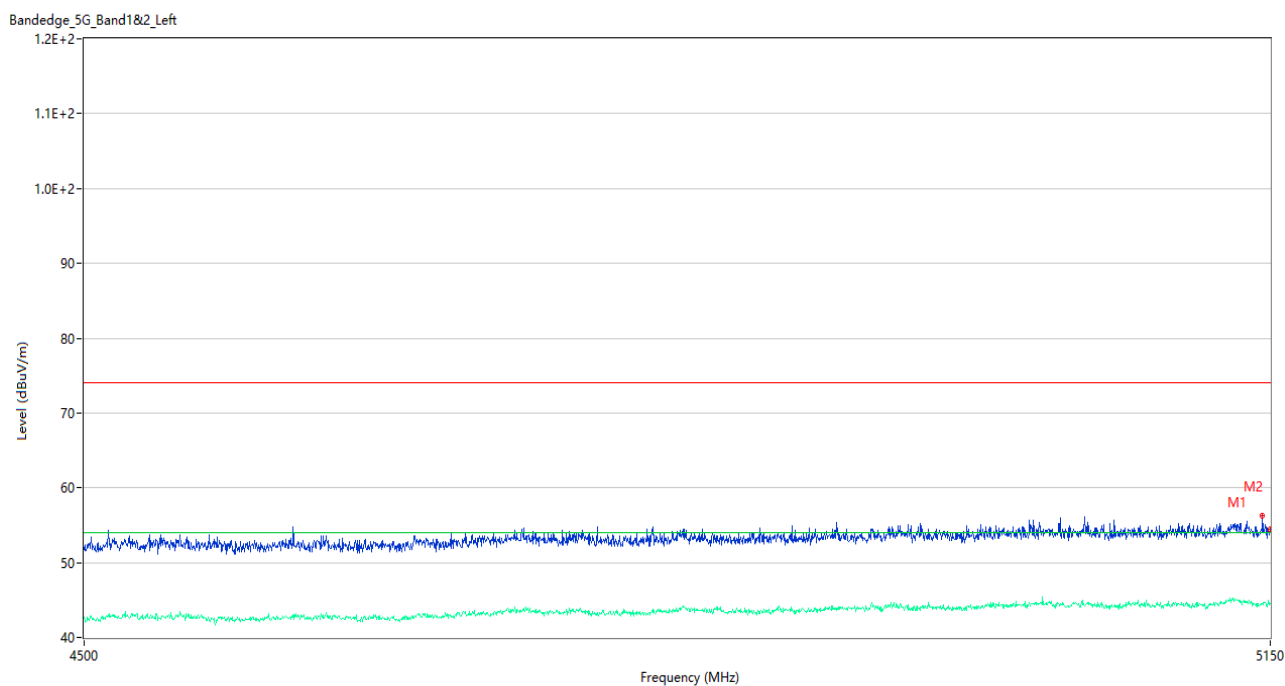
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1619.000        | 38.33            | -16.86      | 74.0           | 35.67       | Peak     | 254.00         | 200         | Vertical | Pass    |
| 1** | 1619.000        | 29.69            | -16.86      | 54.0           | 24.31       | AV       | 254.00         | 200         | Vertical | Pass    |
| 2   | 4257.000        | 46.98            | -4.04       | 74.0           | 27.02       | Peak     | 280.00         | 100         | Vertical | Pass    |
| 2** | 4257.000        | 38.04            | -4.04       | 54.0           | 15.96       | AV       | 280.00         | 100         | Vertical | Pass    |
| 3   | 5827.000        | 95.66            | -2.45       | --             | --          | Peak     | 154.00         | 200         | Vertical | N/A     |
| 3** | 5827.000        | 88.04            | -2.45       | --             | --          | AV       | 154.00         | 200         | Vertical | N/A     |
| 4   | 7425.250        | 53.40            | 1.41        | 74.0           | 20.60       | Peak     | 154.00         | 300         | Vertical | Pass    |
| 4** | 7425.250        | 44.23            | 1.41        | 54.0           | 9.77        | AV       | 154.00         | 300         | Vertical | Pass    |
| 5   | 11648.000       | 53.44            | -1.32       | 74.0           | 20.56       | Peak     | 20.00          | 150         | Vertical | Pass    |
| 5** | 11648.000       | 44.15            | -1.32       | 54.0           | 9.85        | AV       | 20.00          | 150         | Vertical | Pass    |
| 6   | 16123.388       | 55.61            | 1.94        | 74.0           | 18.39       | Peak     | 252.00         | 200         | Vertical | Pass    |
| 6** | 16123.388       | 45.45            | 1.94        | 54.0           | 8.55        | AV       | 252.00         | 200         | 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    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
| U-NII-2A  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
| U-NII-2C  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
| U-NII-3   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |

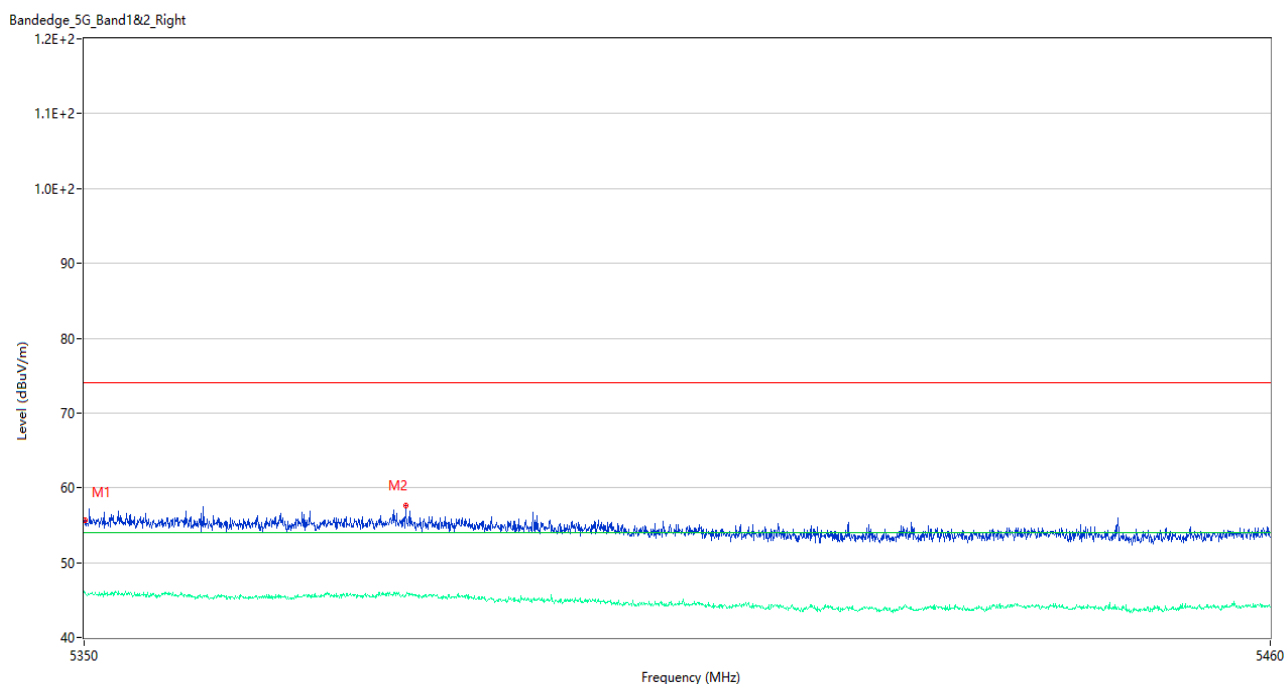
## Test Data and Plots

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



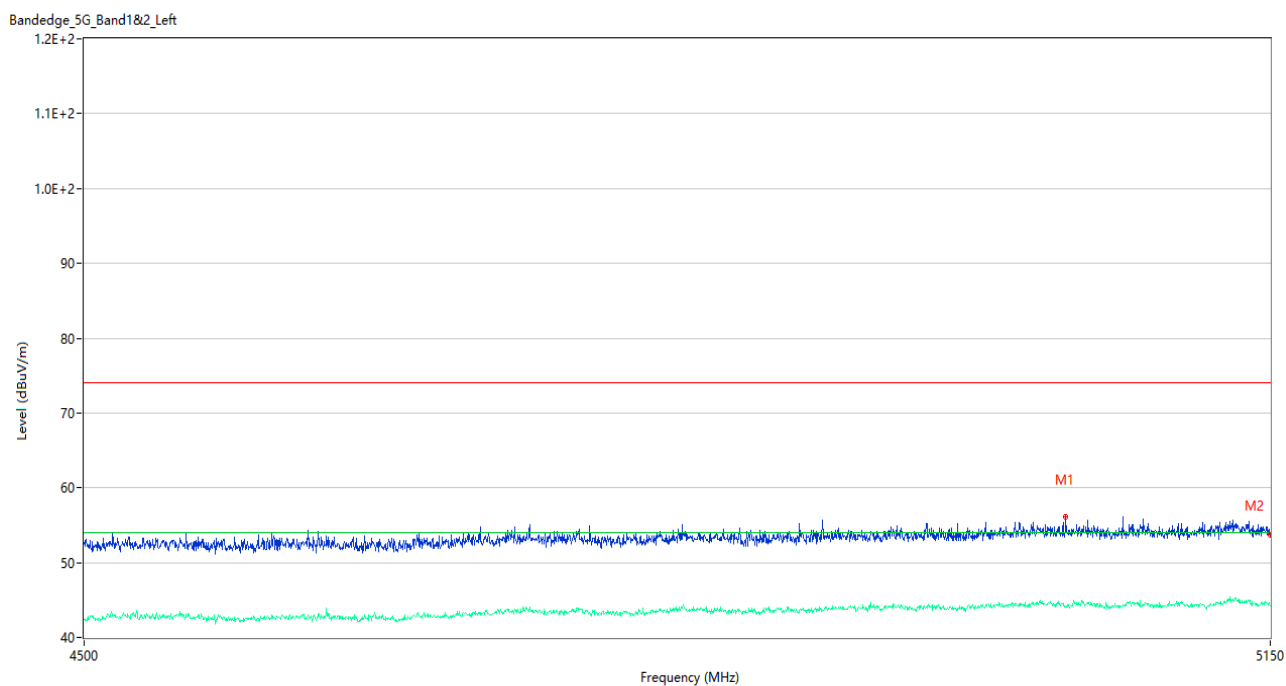
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5145.450        | 56.31            | 3.01        | 74.0           | 17.69       | Peak     | 295.00         | 150         | Horizontal | Pass    |
| 1** | 5145.450        | 44.48            | 3.01        | 54.0           | 9.52        | AV       | 295.00         | 150         | Horizontal | Pass    |
| 2   | 5150.000        | 54.43            | 2.86        | 74.0           | 19.57       | Peak     | 239.00         | 100         | Horizontal | Pass    |
| 2** | 5150.000        | 44.52            | 2.86        | 54.0           | 9.48        | AV       | 239.00         | 100         | Horizontal | Pass    |

## U-NII-1 11a High Channel



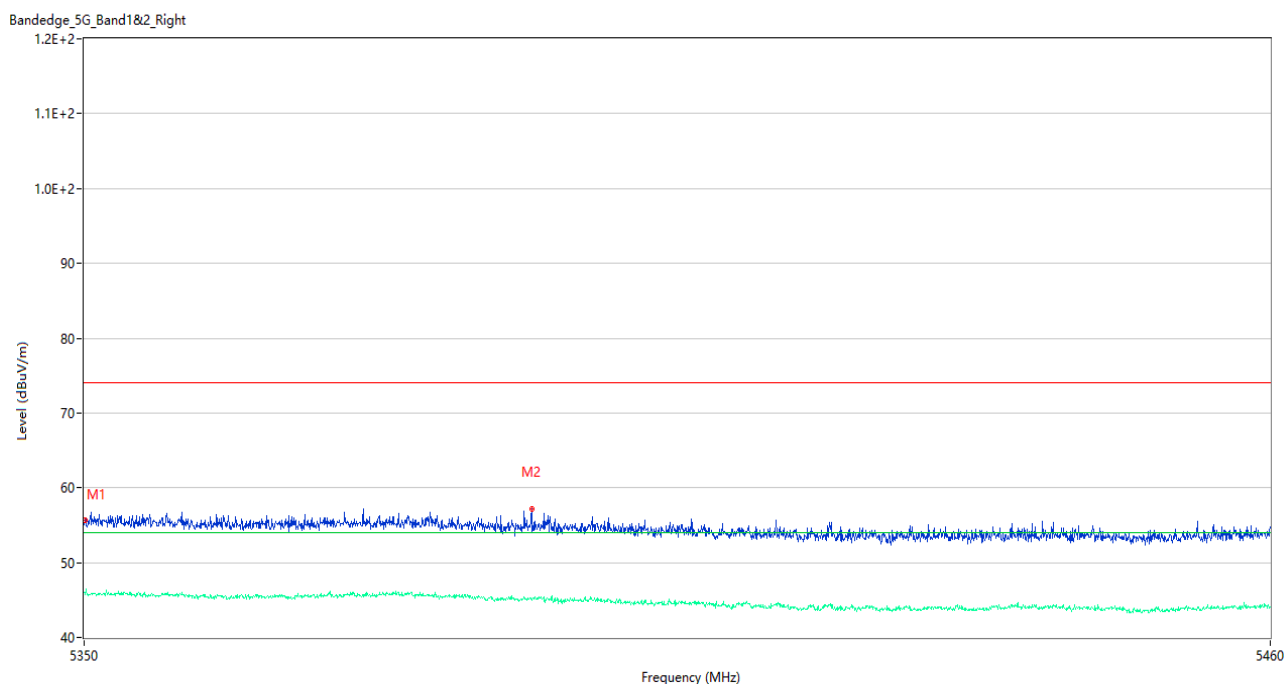
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.69            | 3.30        | 74.0           | 18.31       | Peak     | 127.00         | 200         | Horizontal | Pass    |
| 1** | 5350.055        | 45.85            | 3.30        | 54.0           | 8.15        | AV       | 127.00         | 200         | Horizontal | Pass    |
| 2   | 5379.590        | 57.61            | 3.14        | 74.0           | 16.39       | Peak     | 150.00         | 200         | Horizontal | Pass    |
| 2** | 5379.590        | 45.60            | 3.14        | 54.0           | 8.40        | AV       | 150.00         | 200         | Horizontal | Pass    |

## U-NII-1 11n20 Low Channel



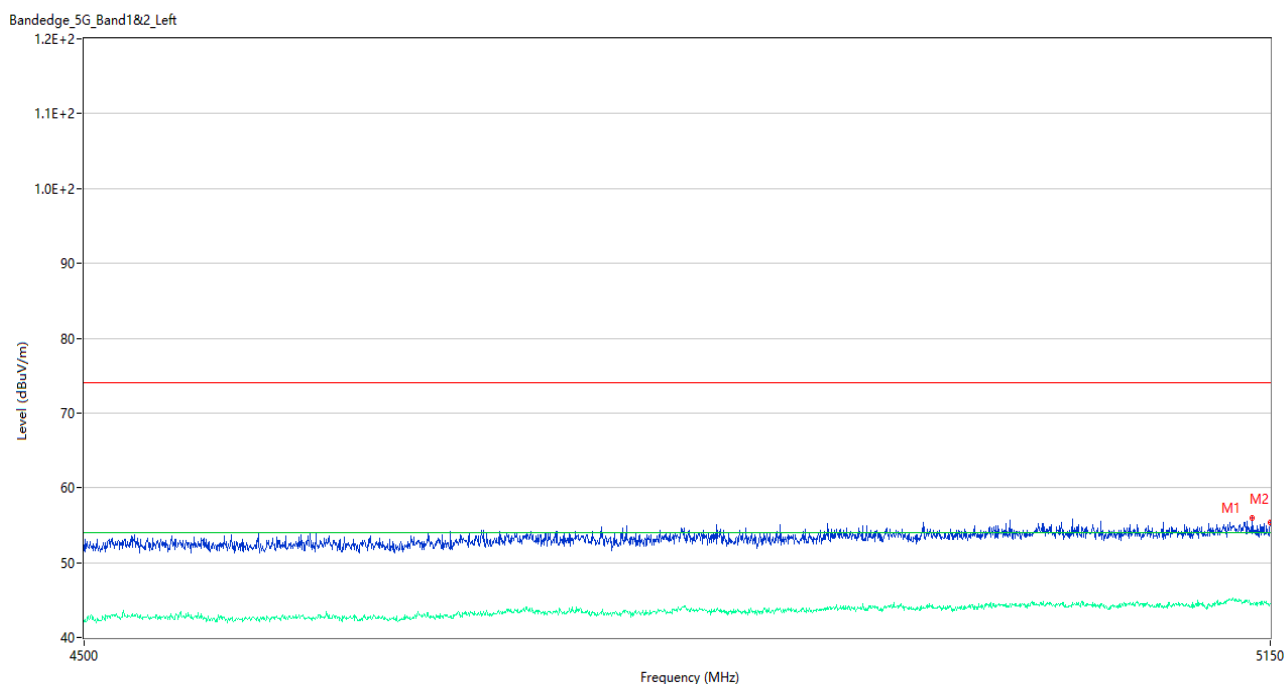
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5031.700        | 56.16            | 2.47        | 74.0           | 17.84       | Peak     | 119.00         | 100         | Horizontal | Pass    |
| 1** | 5031.700        | 44.06            | 2.47        | 54.0           | 9.94        | AV       | 119.00         | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 53.78            | 2.86        | 74.0           | 20.22       | Peak     | 69.00          | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 44.27            | 2.86        | 54.0           | 9.73        | AV       | 69.00          | 150         | Horizontal | Pass    |

## U-NII-1 11n20 High Channel



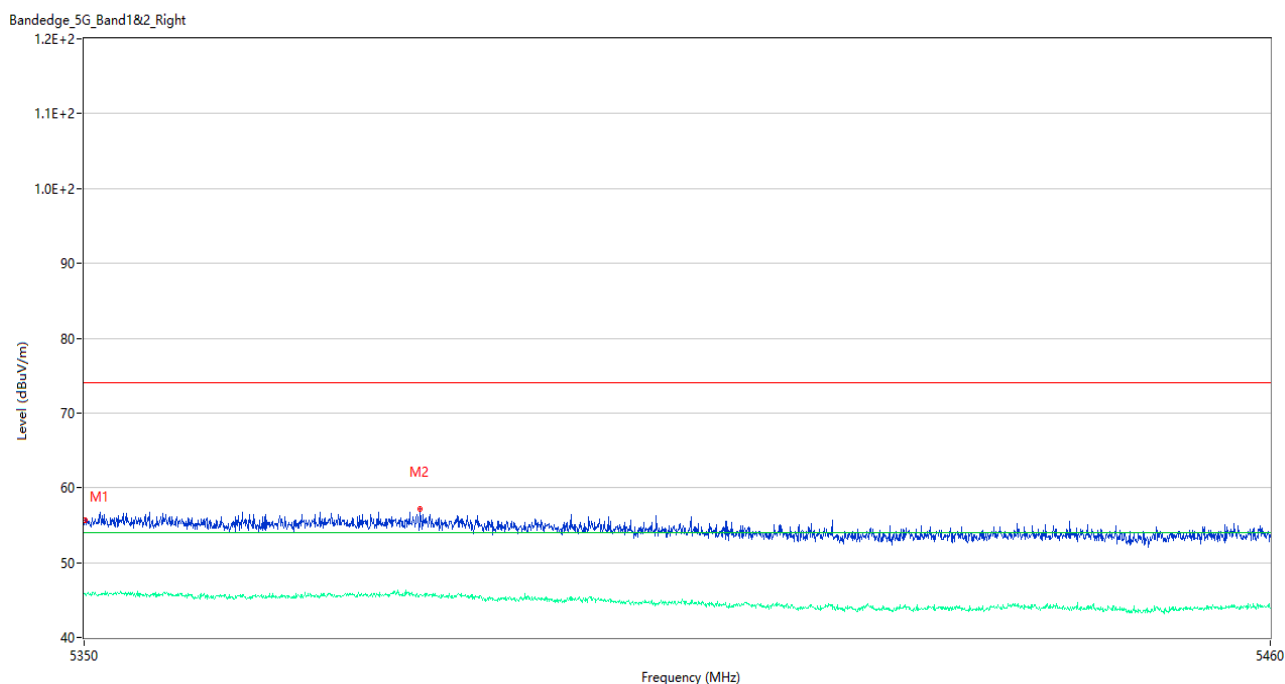
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.69            | 3.30        | 74.0           | 18.31       | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 1** | 5350.055        | 45.81            | 3.30        | 54.0           | 8.19        | AV       | 246.00         | 150         | Horizontal | Pass    |
| 2   | 5391.250        | 57.19            | 2.89        | 74.0           | 16.81       | Peak     | 8.00           | 200         | Horizontal | Pass    |
| 2** | 5391.250        | 44.99            | 2.89        | 54.0           | 9.01        | AV       | 8.00           | 200         | Horizontal | Pass    |

## U-NII-1 11ac20 Low Channel



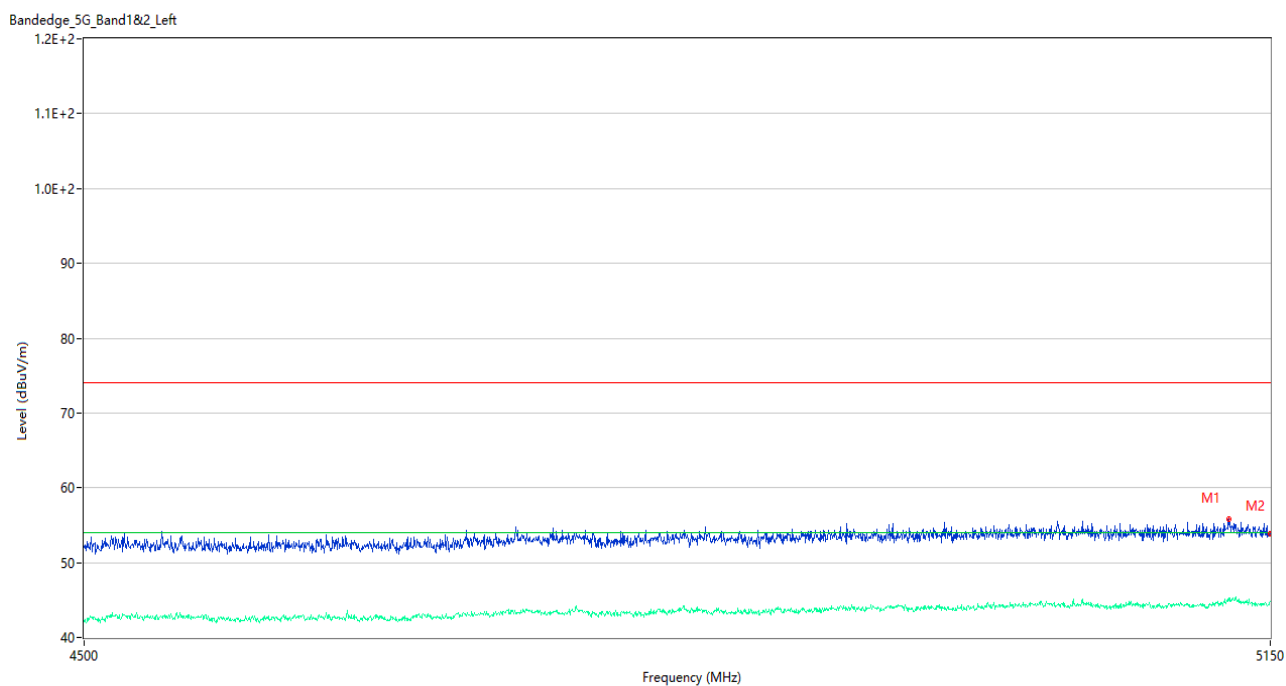
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5139.600        | 55.98            | 2.71        | 74.0           | 18.02       | Peak     | 60.00          | 150         | Horizontal | Pass    |
| 1** | 5139.600        | 44.51            | 2.71        | 54.0           | 9.49        | AV       | 60.00          | 150         | Horizontal | Pass    |
| 2   | 5150.000        | 55.41            | 2.86        | 74.0           | 18.59       | Peak     | 253.00         | 150         | Horizontal | Pass    |
| 2** | 5150.000        | 44.47            | 2.86        | 54.0           | 9.53        | AV       | 253.00         | 150         | Horizontal | Pass    |

## U-NII-1 11ac20 High Channel



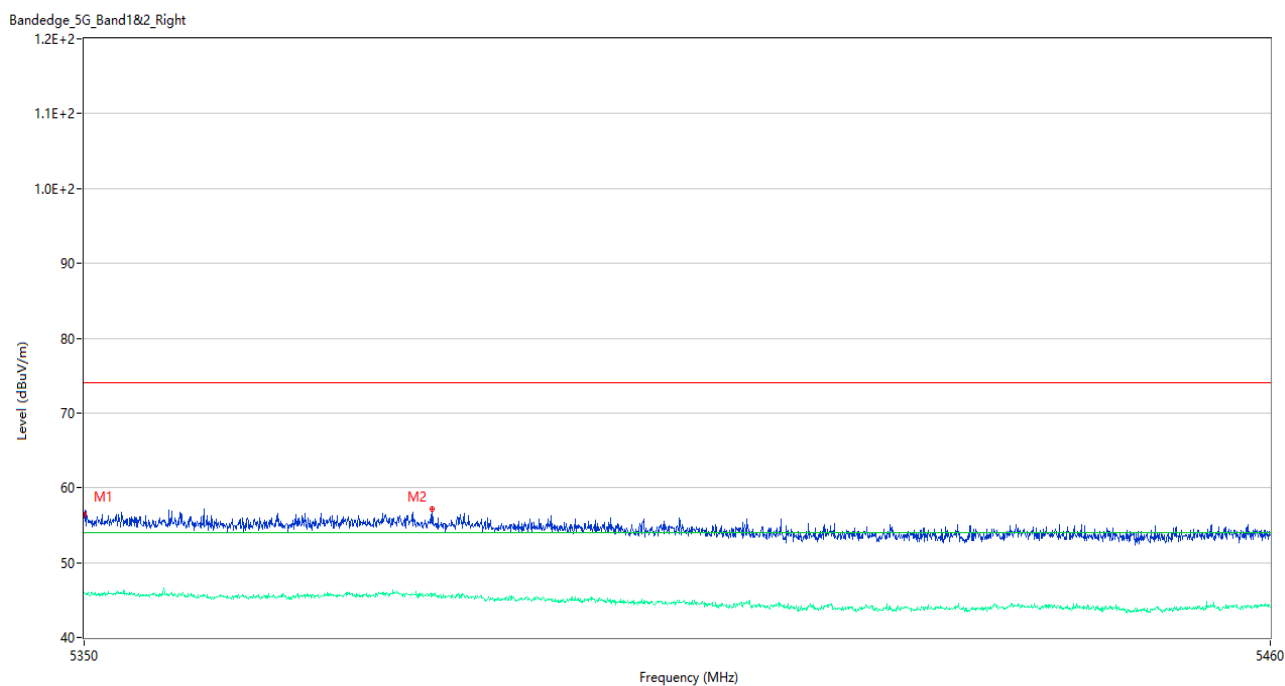
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.055        | 55.60            | 3.30        | 74.0           | 18.40       | Peak     | 289.00         | 200         | Horizontal | Pass    |
| 1** | 5350.055        | 45.77            | 3.30        | 54.0           | 8.23        | AV       | 289.00         | 200         | Horizontal | Pass    |
| 2   | 5380.965        | 57.11            | 3.06        | 74.0           | 16.89       | Peak     | 293.00         | 100         | Horizontal | Pass    |
| 2** | 5380.965        | 45.70            | 3.06        | 54.0           | 8.30        | AV       | 293.00         | 100         | Horizontal | Pass    |

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



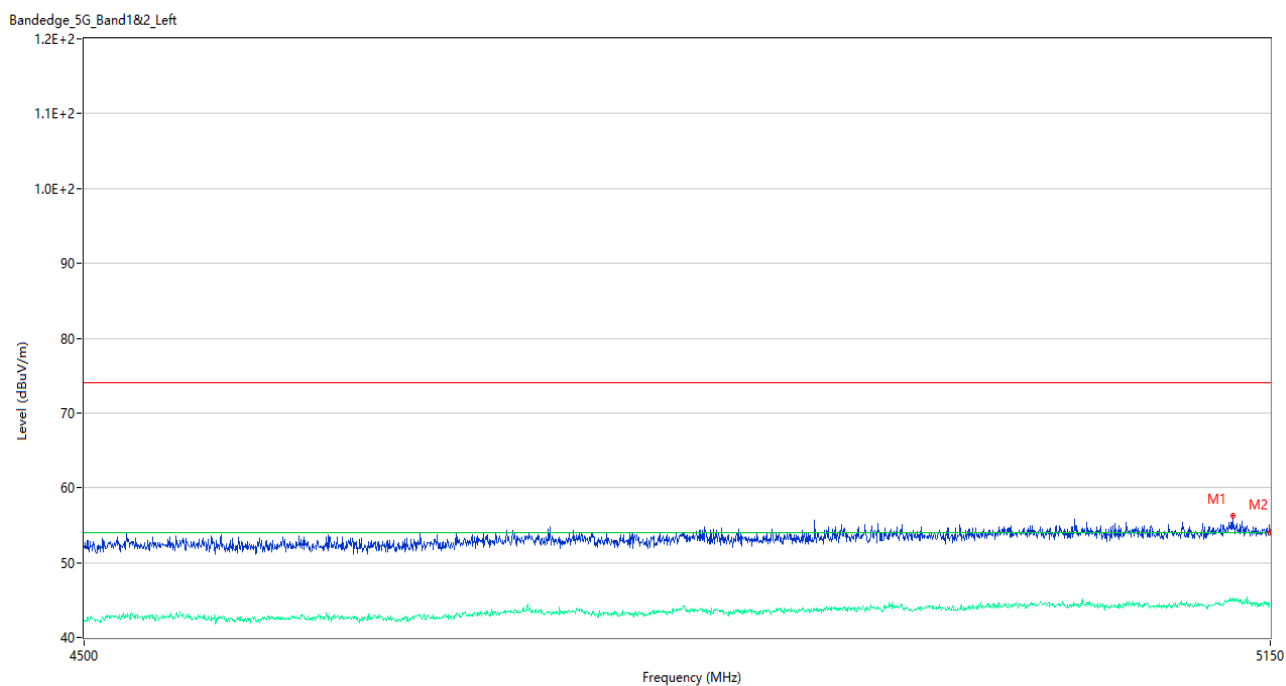
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5125.950        | 55.79            | 3.15        | 74.0           | 18.21       | Peak     | 251.00         | 100         | Horizontal | Pass    |
| 1** | 5125.950        | 45.10            | 3.15        | 54.0           | 8.90        | AV       | 251.00         | 100         | Horizontal | Pass    |
| 2   | 5150.000        | 53.90            | 2.86        | 74.0           | 20.10       | Peak     | 49.00          | 200         | Horizontal | Pass    |
| 2** | 5150.000        | 44.82            | 2.86        | 54.0           | 9.18        | AV       | 49.00          | 200         | Horizontal | Pass    |

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



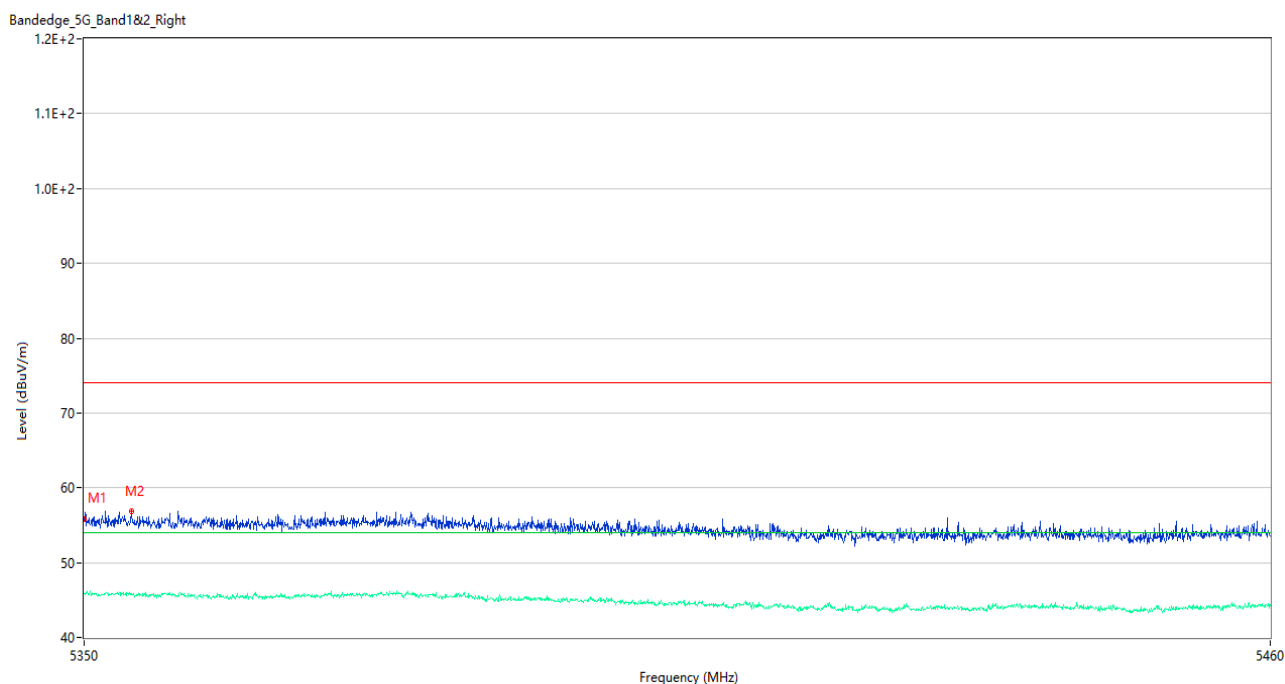
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 56.42            | 3.32        | 74.0           | 17.58       | Peak     | 200.00         | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 46.07            | 3.32        | 54.0           | 7.93        | AV       | 200.00         | 100         | Horizontal | Pass    |
| 2   | 5382.065        | 57.20            | 3.18        | 74.0           | 16.80       | Peak     | 329.00         | 200         | Horizontal | Pass    |
| 2** | 5382.065        | 45.89            | 3.18        | 54.0           | 8.11        | AV       | 329.00         | 200         | Horizontal | Pass    |

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



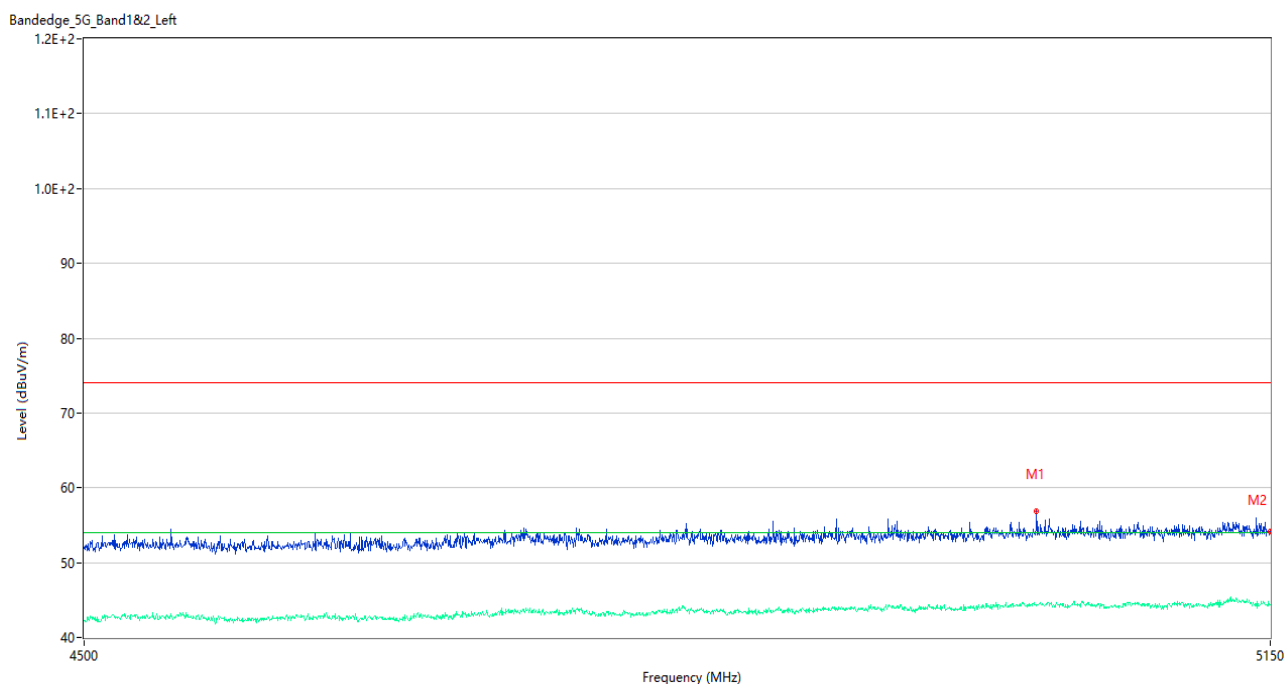
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5127.900        | 56.34            | 3.40        | 74.0           | 17.66       | Peak     | 283.00         | 200         | Horizontal | Pass    |
| 1** | 5127.900        | 44.80            | 3.40        | 54.0           | 9.20        | AV       | 283.00         | 200         | Horizontal | Pass    |
| 2   | 5150.000        | 54.00            | 2.86        | 74.0           | 20.00       | Peak     | 122.00         | 200         | Horizontal | Pass    |
| 2** | 5150.000        | 44.22            | 2.86        | 54.0           | 9.78        | AV       | 122.00         | 200         | Horizontal | Pass    |

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



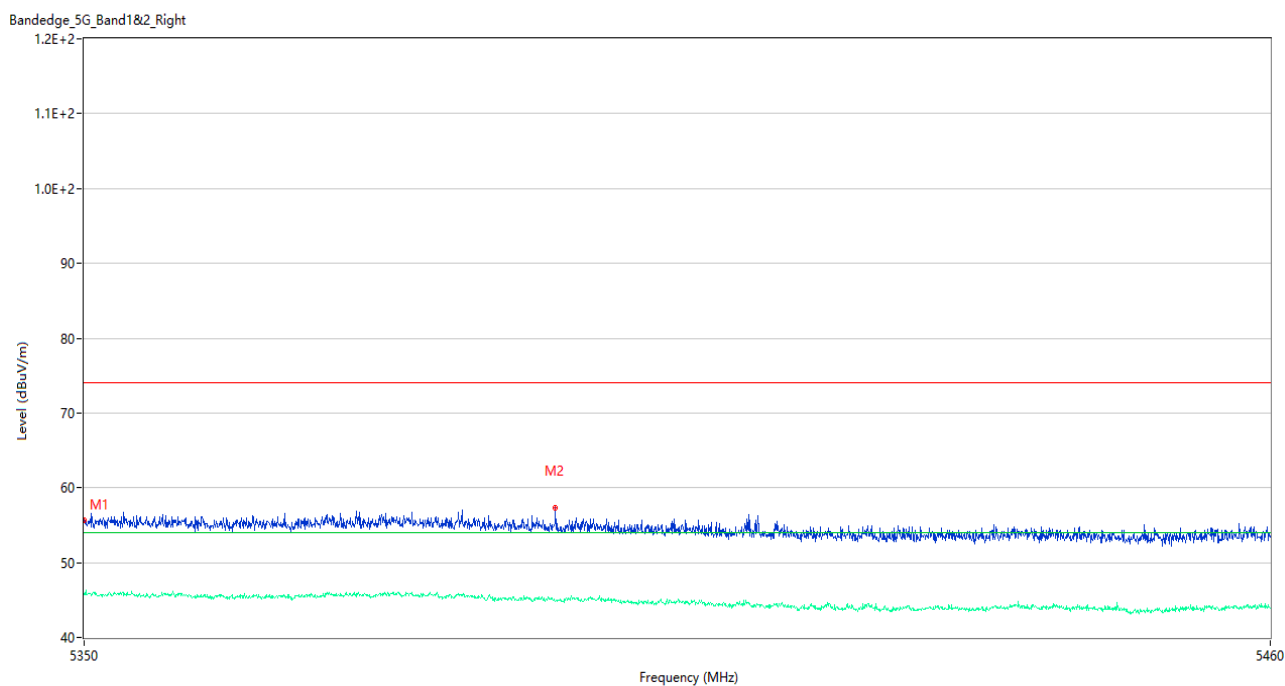
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.78            | 3.32        | 74.0           | 18.22       | Peak     | 51.00          | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 45.87            | 3.32        | 54.0           | 8.13        | AV       | 51.00          | 100         | Horizontal | Pass    |
| 2   | 5354.345        | 56.91            | 3.08        | 74.0           | 17.09       | Peak     | 102.00         | 200         | Horizontal | Pass    |
| 2** | 5354.345        | 45.71            | 3.08        | 54.0           | 8.29        | AV       | 102.00         | 200         | Horizontal | Pass    |

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



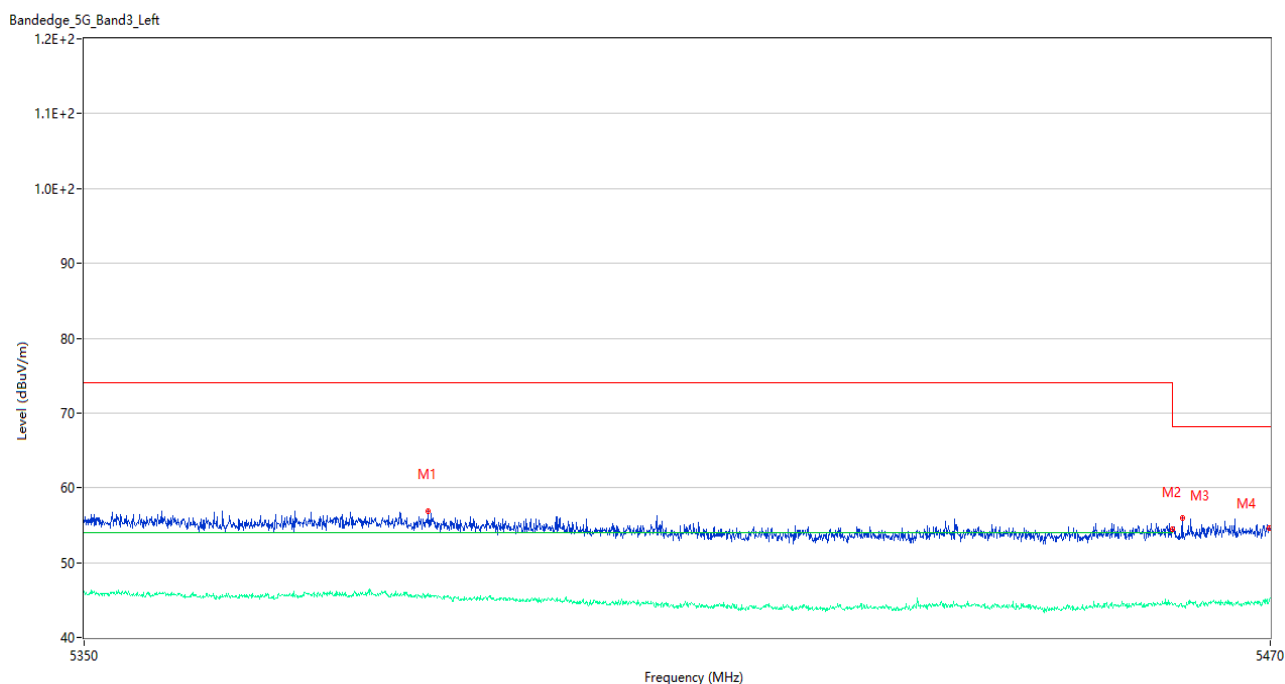
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5014.800        | 56.88            | 2.83        | 74.0           | 17.12       | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 5014.800        | 44.36            | 2.83        | 54.0           | 9.64        | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 5150.000        | 54.10            | 2.86        | 74.0           | 19.90       | Peak     | 296.00         | 200         | Horizontal | Pass    |
| 2** | 5150.000        | 44.32            | 2.86        | 54.0           | 9.68        | AV       | 296.00         | 200         | Horizontal | Pass    |

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



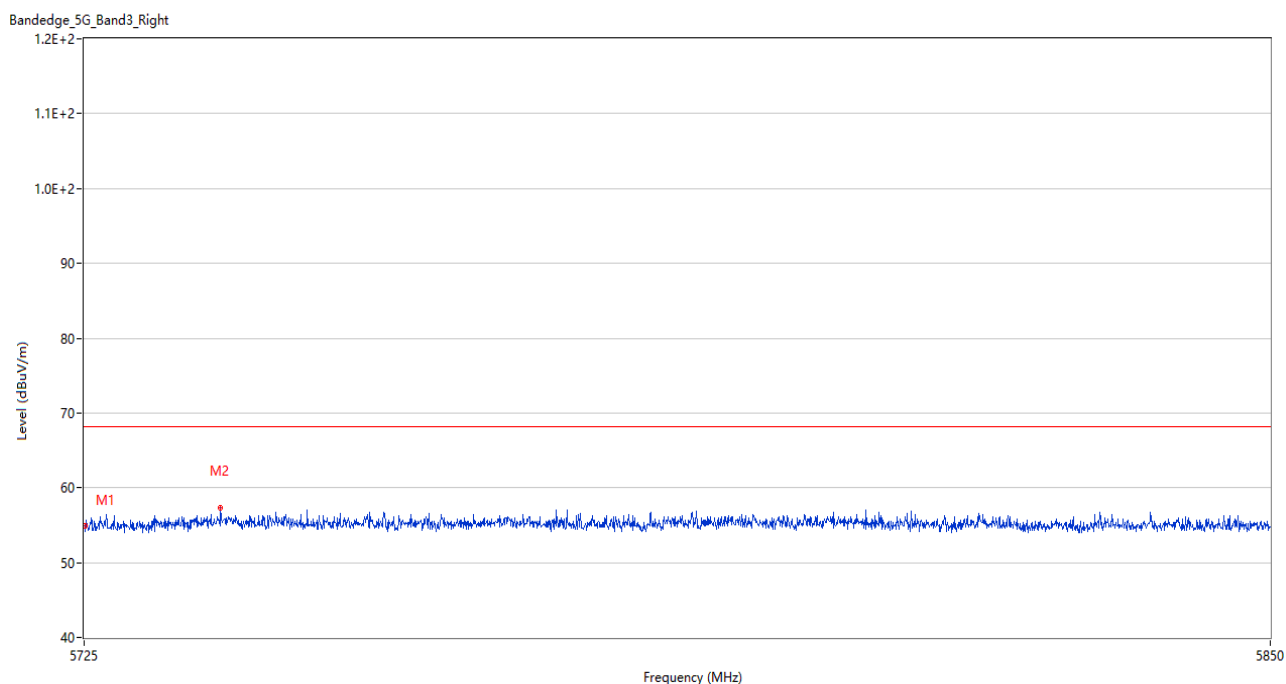
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5350.000        | 55.71            | 3.32        | 74.0           | 18.29       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 1** | 5350.000        | 45.80            | 3.32        | 54.0           | 8.20        | AV       | 0.00           | 100         | Horizontal | Pass    |
| 2   | 5393.450        | 57.29            | 2.91        | 74.0           | 16.71       | Peak     | 4.00           | 200         | Horizontal | Pass    |
| 2** | 5393.450        | 44.89            | 2.91        | 54.0           | 9.11        | AV       | 4.00           | 200         | Horizontal | Pass    |

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



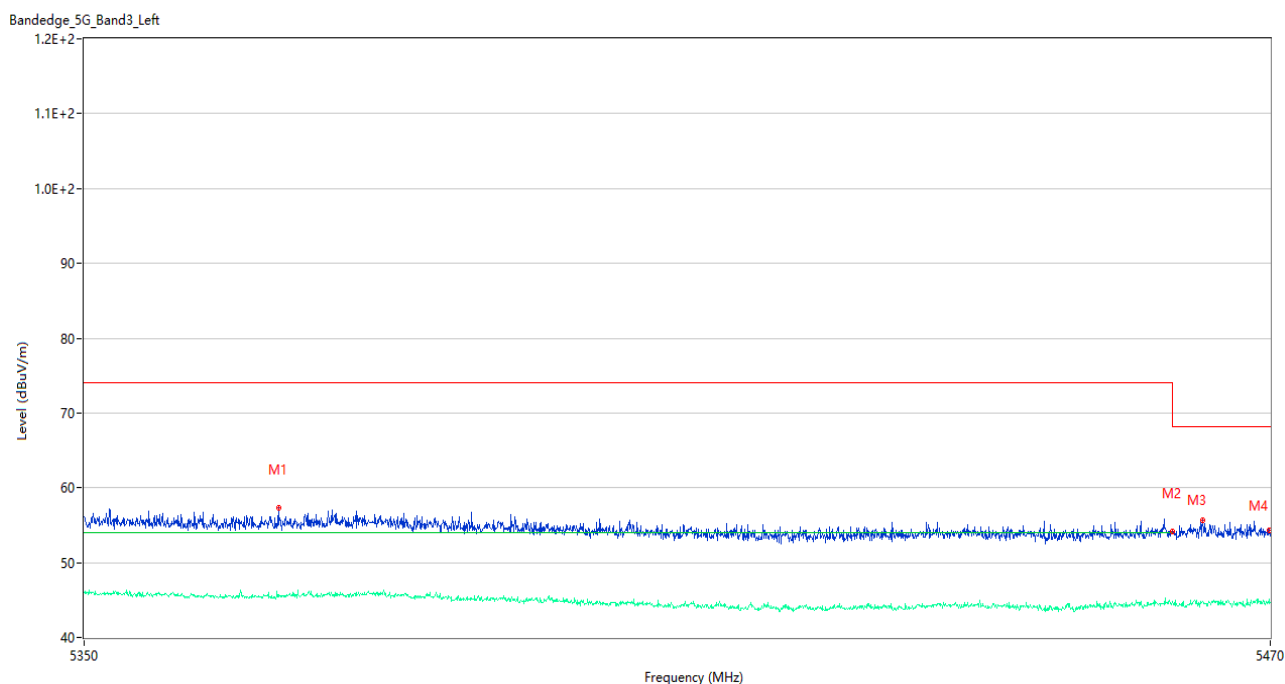
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5384.560        | 56.91            | 3.17        | 74.0           | 17.09       | Peak     | 325.00         | 150         | Horizontal | Pass    |
| 1** | 5384.560        | 45.56            | 3.17        | 54.0           | 8.44        | AV       | 325.00         | 150         | Horizontal | Pass    |
| 2   | 5459.980        | 54.43            | 3.49        | 74.0           | 19.57       | Peak     | 341.00         | 150         | Horizontal | Pass    |
| 2** | 5459.980        | 44.50            | 3.49        | 54.0           | 9.50        | AV       | 341.00         | 150         | Horizontal | Pass    |
| 3   | 5461.000        | 55.92            | 3.18        | 68.2           | 12.28       | Peak     | 319.00         | 200         | Horizontal | Pass    |
| 3** | 5461.000        | 44.27            | 3.18        | --             | --          | AV       | 319.00         | 200         | Horizontal | N/A     |
| 4   | 5469.940        | 54.65            | 3.29        | 68.2           | 13.55       | Peak     | 307.00         | 150         | Horizontal | Pass    |
| 4** | 5469.940        | 44.92            | 3.29        | --             | --          | AV       | 307.00         | 150         | Horizontal | N/A     |

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



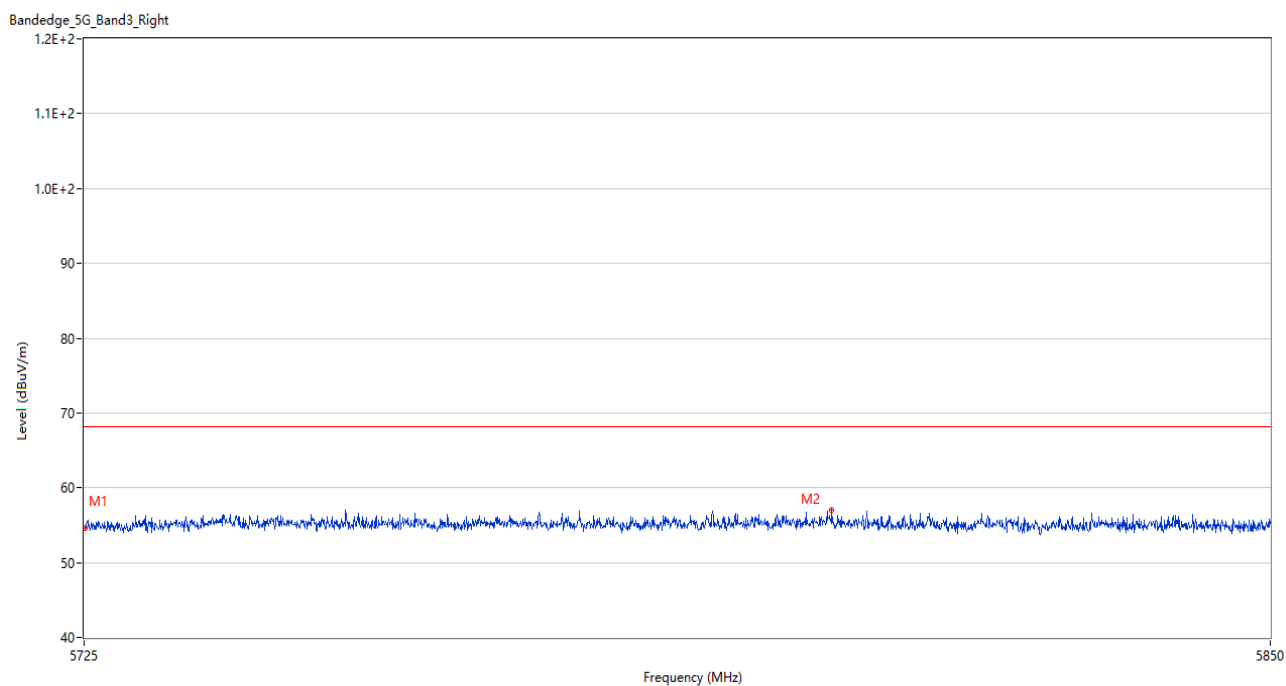
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.063        | 54.95            | 3.44        | 68.2           | 13.25       | Peak     | 99.00          | 200         | Horizontal | Pass    |
| 2   | 5739.250        | 57.29            | 3.97        | 68.2           | 10.91       | Peak     | 316.00         | 150         | Horizontal | Pass    |

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



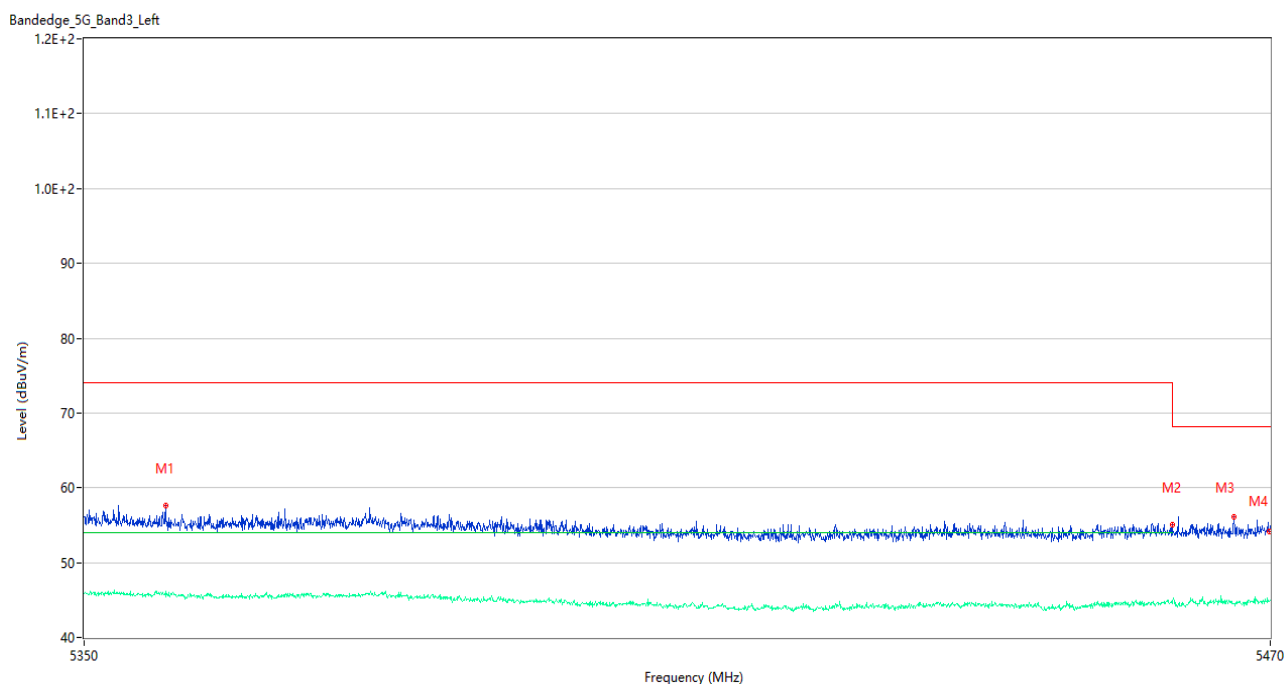
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5369.500        | 57.39            | 2.74        | 74.0           | 16.61       | Peak     | 338.00         | 100         | Horizontal | Pass    |
| 1** | 5369.500        | 45.44            | 2.74        | 54.0           | 8.56        | AV       | 338.00         | 100         | Horizontal | Pass    |
| 2   | 5459.980        | 54.21            | 3.49        | 74.0           | 19.79       | Peak     | 123.00         | 100         | Horizontal | Pass    |
| 2** | 5459.980        | 44.71            | 3.49        | 54.0           | 9.29        | AV       | 123.00         | 100         | Horizontal | Pass    |
| 3   | 5463.100        | 55.61            | 3.60        | 68.2           | 12.59       | Peak     | 313.00         | 200         | Horizontal | Pass    |
| 3** | 5463.100        | 44.75            | 3.60        | --             | --          | AV       | 313.00         | 200         | Horizontal | N/A     |
| 4   | 5469.940        | 54.26            | 3.29        | 68.2           | 13.94       | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 4** | 5469.940        | 44.47            | 3.29        | --             | --          | AV       | 0.00           | 200         | Horizontal | N/A     |

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



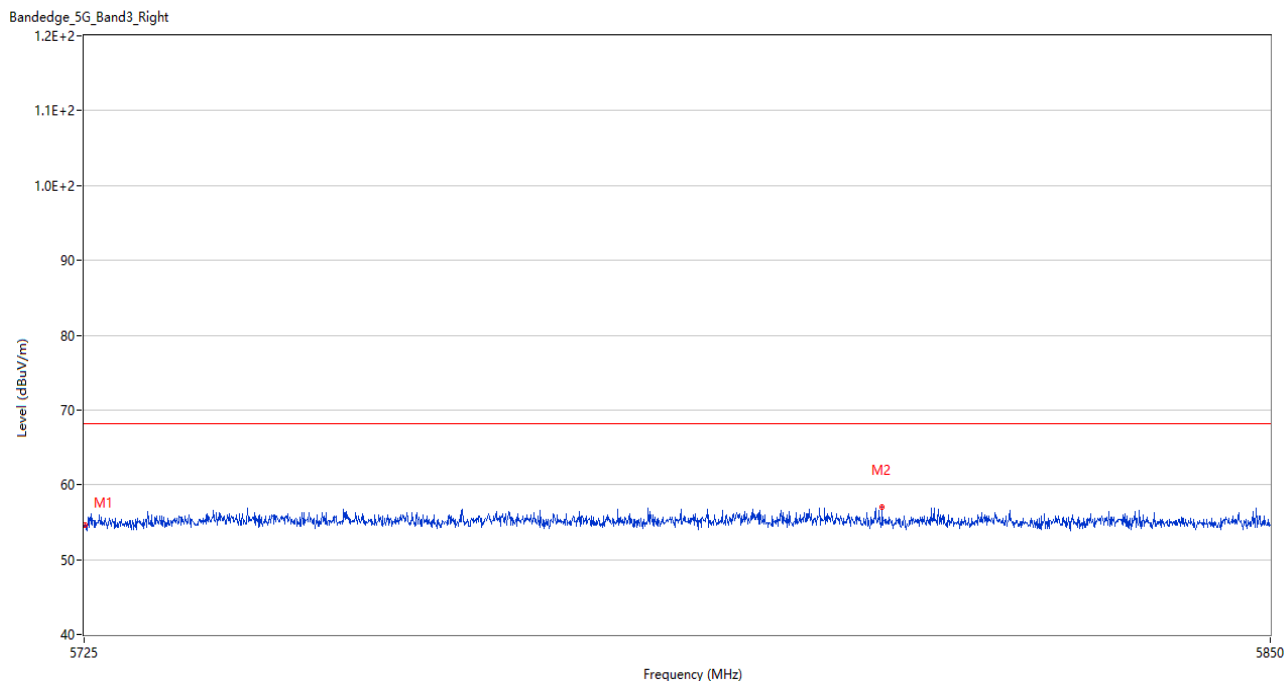
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.063        | 54.66            | 3.44        | 68.2           | 13.54       | Peak     | 99.00          | 150         | Horizontal | Pass    |
| 2   | 5803.500        | 57.07            | 4.00        | 68.2           | 11.13       | Peak     | 271.00         | 150         | Horizontal | Pass    |

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



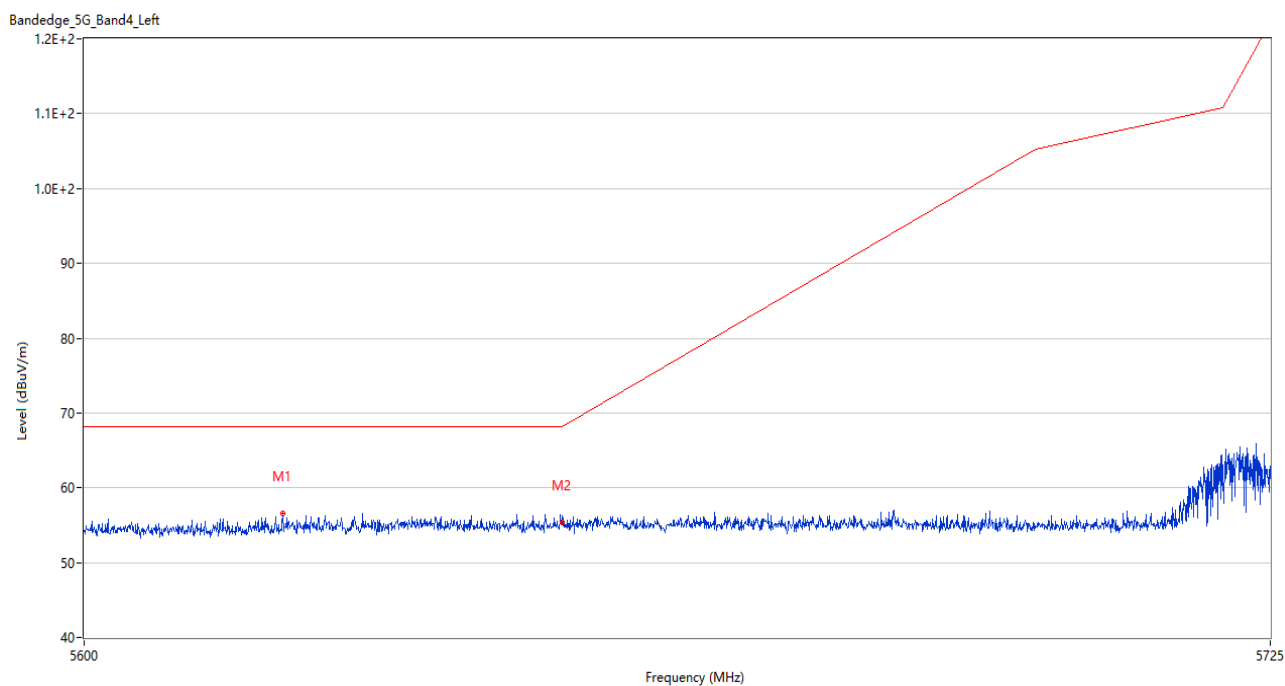
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5358.160        | 57.62            | 2.93        | 74.0           | 16.38       | Peak     | 268.00         | 100         | Horizontal | Pass    |
| 1** | 5358.160        | 46.17            | 2.93        | 54.0           | 7.83        | AV       | 268.00         | 100         | Horizontal | Pass    |
| 2   | 5459.980        | 55.02            | 3.49        | 74.0           | 18.98       | Peak     | 274.00         | 200         | Horizontal | Pass    |
| 2** | 5459.980        | 44.52            | 3.49        | 54.0           | 9.48        | AV       | 274.00         | 200         | Horizontal | Pass    |
| 3   | 5466.280        | 56.10            | 3.16        | 68.2           | 12.10       | Peak     | 134.00         | 200         | Horizontal | Pass    |
| 3** | 5466.280        | 44.59            | 3.16        | --             | --          | AV       | 134.00         | 200         | Horizontal | N/A     |
| 4   | 5469.940        | 54.10            | 3.29        | 68.2           | 14.10       | Peak     | 242.00         | 200         | Horizontal | Pass    |
| 4** | 5469.940        | 44.83            | 3.29        | --             | --          | AV       | 242.00         | 200         | Horizontal | N/A     |

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



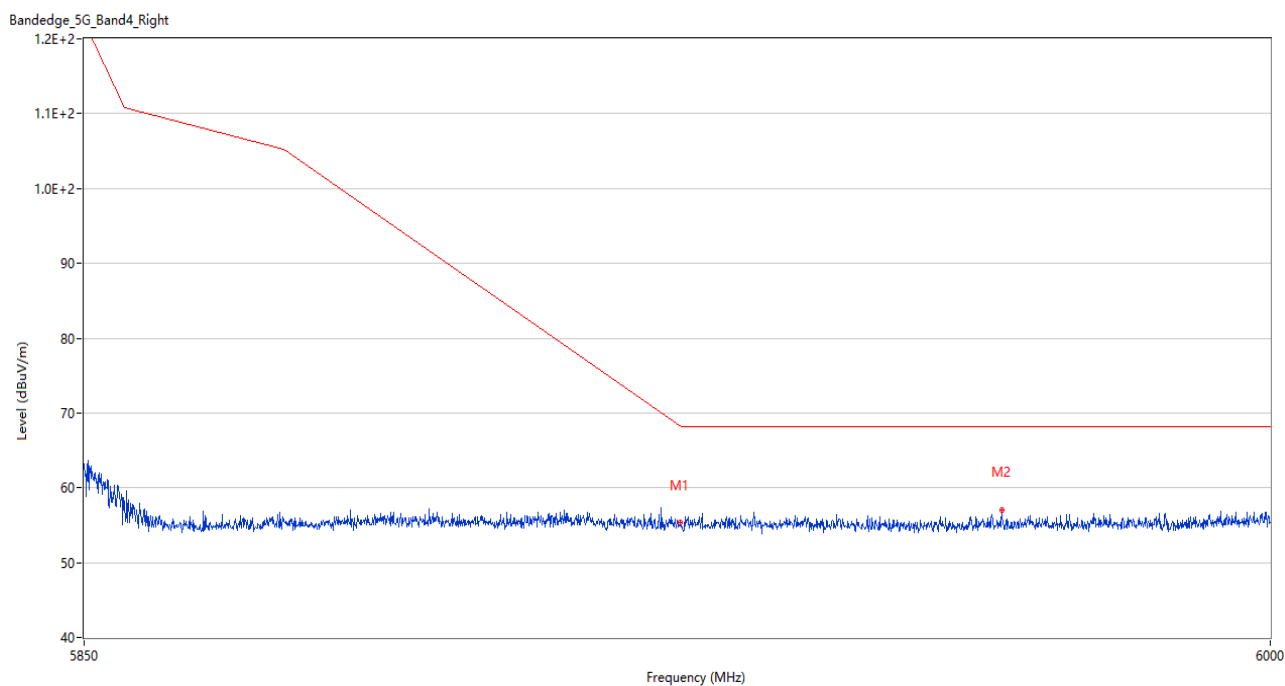
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5725.063        | 54.65            | 3.44        | 68.2           | 13.55       | Peak     | 304.00         | 150         | Horizontal | Pass    |
| 2   | 5808.813        | 56.97            | 3.41        | 68.2           | 11.23       | Peak     | 337.00         | 100         | Horizontal | Pass    |

## U-NII-3 11a Low Channel



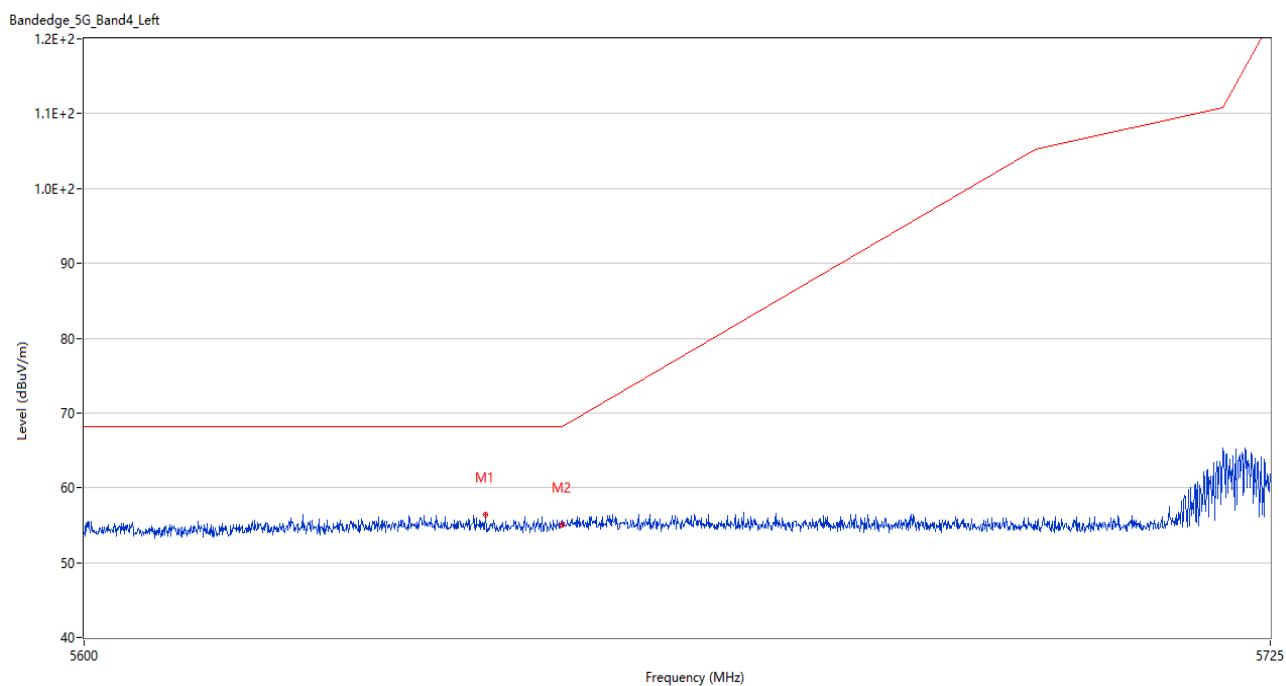
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5620.750        | 56.60            | 3.44        | 68.2           | 11.60       | Peak     | 6.00           | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.34            | 3.72        | 68.2           | 12.86       | Peak     | 0.00           | 150         | Horizontal | Pass    |

## U-NII-3 11a High Channel



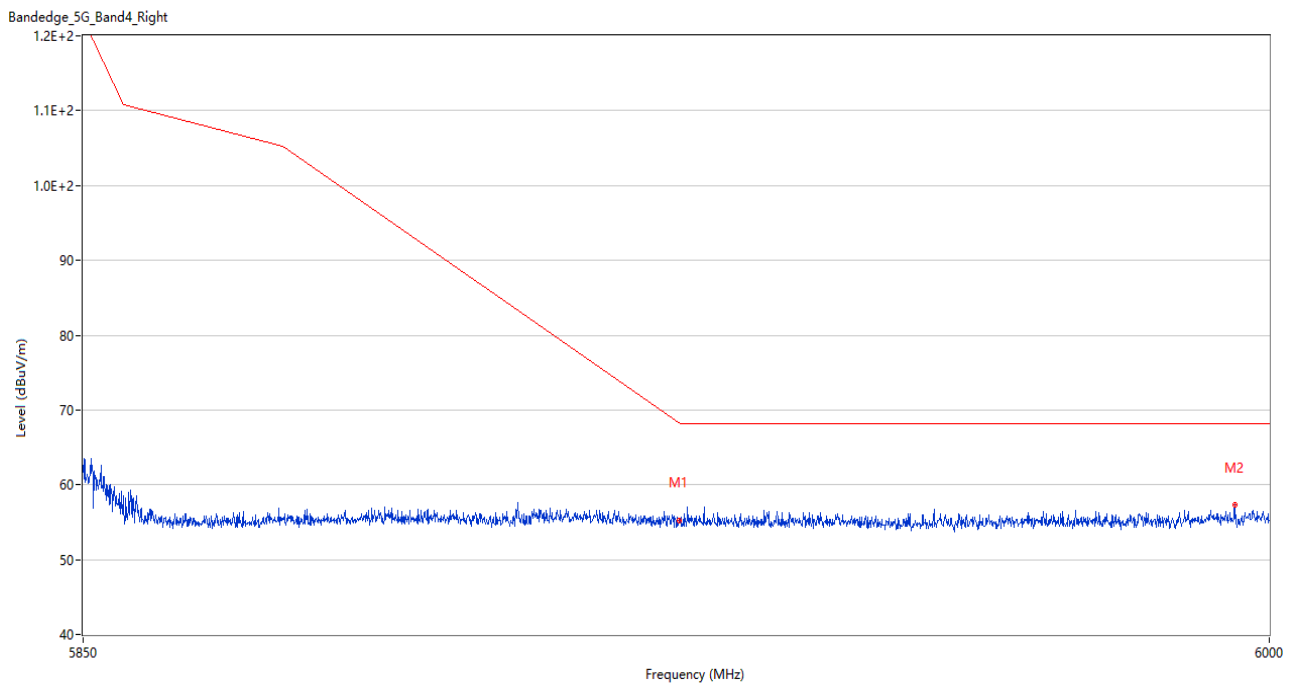
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.925        | 55.37            | 3.42        | 68.3           | 12.93       | Peak     | 25.00          | 150         | Horizontal | Pass    |
| 2   | 5965.725        | 57.09            | 3.73        | 68.2           | 11.11       | Peak     | 325.00         | 200         | Horizontal | Pass    |

## U-NII-3 11n20 Low Channel



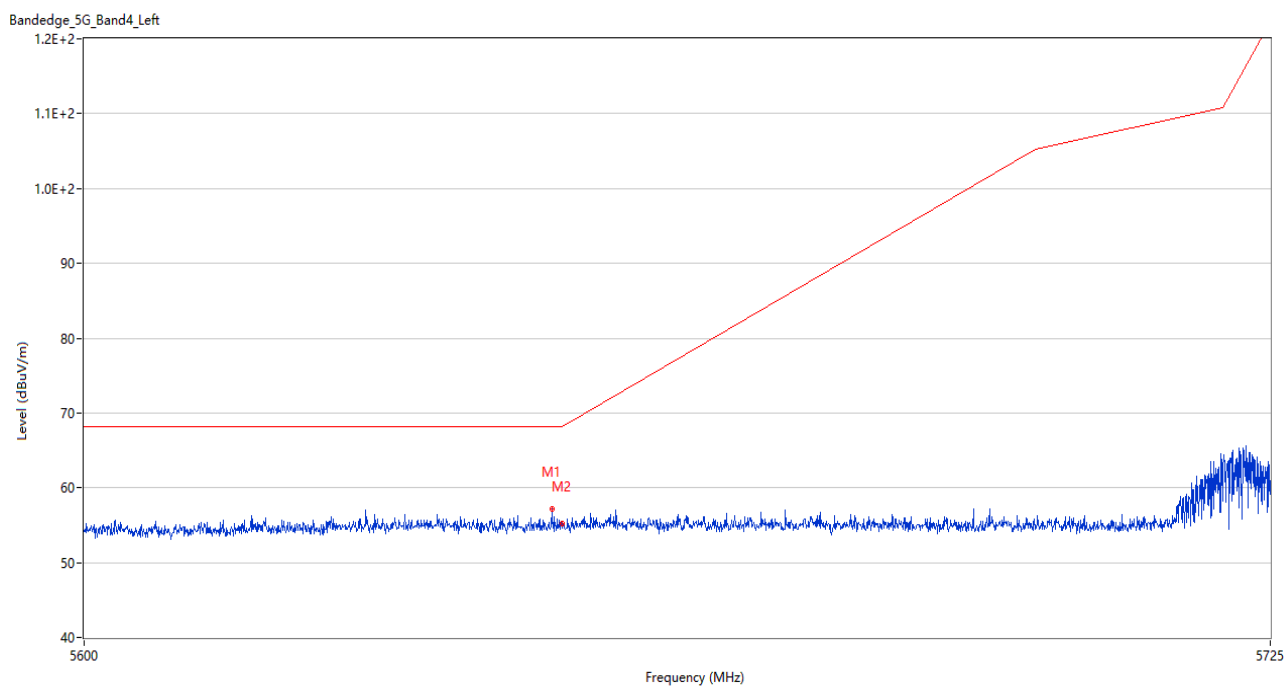
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5642.000        | 56.44            | 3.19        | 68.2           | 11.76       | Peak     | 301.00         | 200         | Horizontal | Pass    |
| 2   | 5650.000        | 55.11            | 3.72        | 68.2           | 13.09       | Peak     | 42.00          | 200         | Horizontal | Pass    |

## U-NII-3 11n20 High Channel



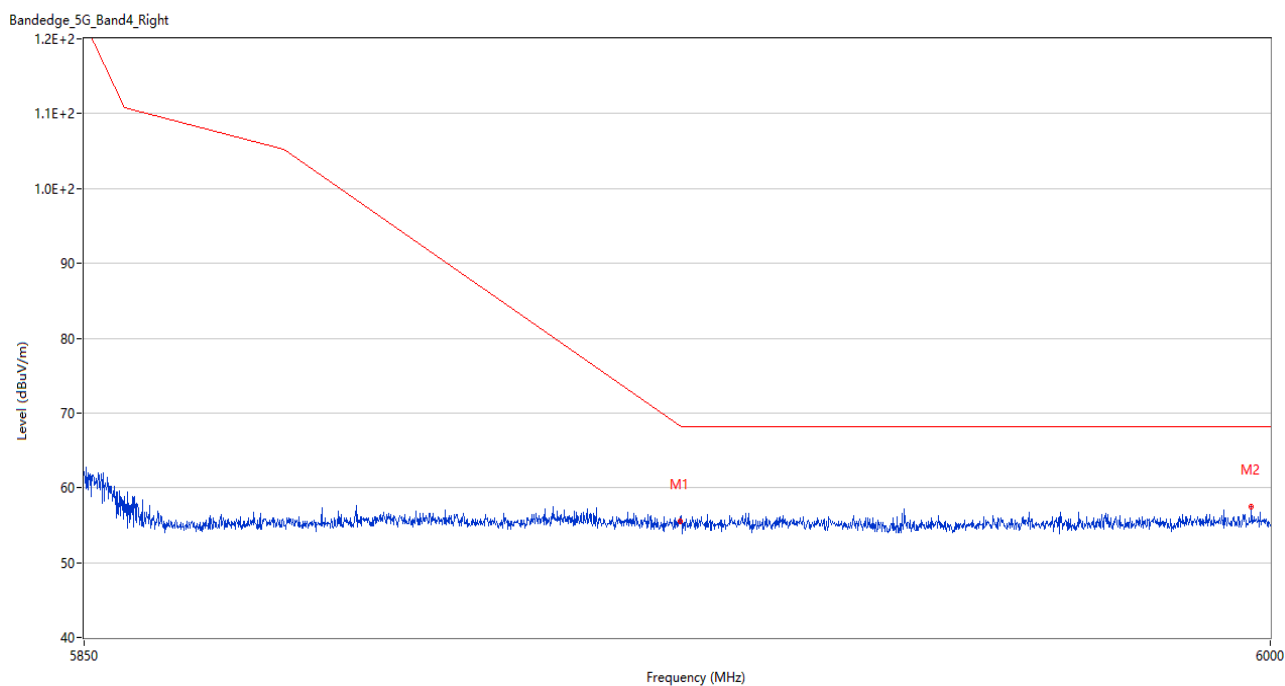
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5924.925        | 55.29            | 3.42        | 68.3           | 13.01       | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 2   | 5995.575        | 57.26            | 4.76        | 68.2           | 10.94       | Peak     | 247.00         | 100         | Horizontal | Pass    |

## U-NII-3 11ac20 Low Channel



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 5648.937        | 57.17            | 3.58        | 68.2           | 11.03       | Peak     | 278.00         | 100         | Horizontal | Pass    |
| 2   | 5650.000        | 55.15            | 3.72        | 68.2           | 13.05       | Peak     | 259.00         | 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   | 5924.925        | 55.56            | 3.42        | 68.3           | 12.74       | Peak     | 8.00           | 200         | Horizontal | Pass    |
| 2   | 5997.600        | 57.42            | 5.02        | 68.2           | 10.78       | Peak     | 62.00          | 100         | Horizontal | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer the document “BL-SZ2450314-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2450314-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document “BL-SZ2450314-AI.PDF”.

## Statement

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--END OF REPORT--