

FCC  
RF  
TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.

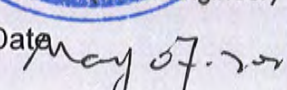


FOR  
**BrailleSense 6**

ISSUED TO  
SELVAS Healthcare, Inc.

155, Sinseong-ro, Yuseong-gu, Daejeon, Rep. of KOREA



Prepared by:   
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Date:   
May 07, 2021  
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Date:   
May 07, 2021

Report No.: BL-SZ2120401-604  
EUT Name: BrailleSense 6  
Model Name: H632B  
Brand Name: HIMS  
Test Standard: 47 CFR Part 15 Subpart E  
FCC ID: 2AL4DH632B

Test Conclusion: Pass  
Test Date: Feb. 24, 2021 ~ Mar. 18, 2021  
Date of Issue: May 07, 2021

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**Revision History**

| Version        | Issue Date          | Revisions Content    |
|----------------|---------------------|----------------------|
| <u>Rev. 01</u> | <u>May 07, 2021</u> | <u>Initial Issue</u> |

**TABLE OF CONTENTS**

|     |                                                                   |    |
|-----|-------------------------------------------------------------------|----|
| 1   | ADMINISTRATIVE DATA (GENERAL INFORMATION) .....                   | 4  |
| 1.1 | Identification of the Testing Laboratory .....                    | 4  |
| 1.2 | Identification of the Responsible Testing Location .....          | 4  |
| 1.3 | Laboratory Condition .....                                        | 4  |
| 1.4 | Announce .....                                                    | 4  |
| 2   | PRODUCT INFORMATION .....                                         | 5  |
| 2.1 | Applicant .....                                                   | 5  |
| 2.2 | Manufacturer .....                                                | 5  |
| 2.3 | Factory .....                                                     | 5  |
| 2.4 | General Description for Equipment under Test (EUT) .....          | 5  |
| 2.5 | Technical Information .....                                       | 6  |
| 2.6 | Additional Instructions .....                                     | 7  |
| 2.7 | Channel List .....                                                | 9  |
| 3   | SUMMARY OF TEST RESULTS .....                                     | 11 |
| 3.1 | Test Standards .....                                              | 11 |
| 3.2 | Verdict .....                                                     | 11 |
| 4   | GENERAL TEST CONFIGURATIONS .....                                 | 12 |
| 4.1 | Test Environments .....                                           | 12 |
| 4.2 | Test Equipment List .....                                         | 12 |
| 4.3 | Measurement Uncertainty .....                                     | 14 |
| 4.4 | Description of Test Setup .....                                   | 15 |
| 5   | TEST ITEMS .....                                                  | 18 |
| 5.1 | RF Output Power .....                                             | 18 |
| 5.2 | Emission Bandwidth and 6 dB Bandwidth .....                       | 19 |
| 5.3 | Power Spectral density (PSD) .....                                | 20 |
| 5.4 | Conducted Emission .....                                          | 21 |
| 5.5 | Radiated Spurious Emissions and Band Edge (Restricted-band) ..... | 22 |

|         |                                                                  |     |
|---------|------------------------------------------------------------------|-----|
| ANNEX A | TEST RESULT .....                                                | 27  |
| A.1     | RF Output Power .....                                            | 27  |
| A.2     | Emission Bandwidth & 99% Bandwidth .....                         | 32  |
| A.3     | 6 dB Bandwidth .....                                             | 34  |
| A.4     | Power Spectral Density .....                                     | 35  |
| A.5     | Conducted Emissions .....                                        | 40  |
| A.6     | Radiated Spurious Emissions and Band Edge (Restricted-band)..... | 42  |
| ANNEX B | TEST SETUP PHOTOS .....                                          | 144 |
| ANNEX C | EUT EXTERNAL PHOTOS .....                                        | 144 |
| ANNEX D | EUT INTERNAL PHOTOS .....                                        | 144 |

# 1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

## 1.1 Identification of the Testing Laboratory

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

## 1.2 Identification of the Responsible Testing Location

|                           |                                                                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Location             | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                 |
| Address                   | Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, 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.                                                                                    |
| Description               | All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055 |

## 1.3 Laboratory Condition

|                           |                    |
|---------------------------|--------------------|
| Ambient Temperature       | 20°C to 25°C       |
| Ambient Relative Humidity | 45% to 55%         |
| Ambient Pressure          | 100 kPa to 102 kPa |

## 1.4 Announce

- (1) The test report reference to the report template version v4.4.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2 PRODUCT INFORMATION

### 2.1 Applicant

|           |                                                      |
|-----------|------------------------------------------------------|
| Applicant | SELVAS Healthcare, Inc.                              |
| Address   | 155, Sinseong-ro, Yuseong-gu, Daejeon, Rep. of KOREA |

### 2.2 Manufacturer

|              |                                                      |
|--------------|------------------------------------------------------|
| Manufacturer | SELVAS Healthcare, Inc.                              |
| Address      | 155, Sinseong-ro, Yuseong-gu, Daejeon, Rep. of KOREA |

### 2.3 Factory

|         |                                                      |
|---------|------------------------------------------------------|
| Factory | SELVAS Healthcare, Inc.                              |
| Address | 155, Sinseong-ro, Yuseong-gu, Daejeon, Rep. of KOREA |

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

|                                           |                        |
|-------------------------------------------|------------------------|
| EUT Name                                  | BrailleSense 6         |
| Model Name Under Test                     | H632B                  |
| Series Model Name                         | N/A                    |
| Description of Model name differentiation | N/A                    |
| Hardware Version                          | HCT-ZN632MB-A4         |
| Software Version                          | H632B_system_44286     |
| Dimensions (Approx.)                      | 245*144*22mm           |
| Weight (Approx.)                          | 0.704kg (with battery) |

## 2.5 Technical Information

|                                   |                                                                                                               |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac<br>U-NII-1/3, FM receiver, GPS |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------|

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-3: 5725 MHz to 5850 MHz                                                          |
| Product Type                                            | <input type="checkbox"/> Mobile<br><input checked="" type="checkbox"/> Portable<br><input type="checkbox"/> Fix Location |
| Modulation technology                                   | OFDM                                                                                                                     |
| Modulation Type                                         | 256QAM, 64QAM, 16QAM, BPSK, QPSK                                                                                         |
| Product Type                                            | Mobile and Portable for FCC standard                                                                                     |
| Transfer Rate (Mbps) (Single RF path)                   | 802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps<br>802.11n: up to 150 Mbps<br>802.11ac: up to VHT-MCS9                        |
| Channel Bandwidth                                       | 802.11a: 20 MHz<br>802.11n: 20 MHz, 40 MHz<br>802.11ac: 20 MHz, 40 MHz, 80 MHz                                           |
| Maximum Output Power                                    | U-NII-1: 10.33 dBm<br>U-NII-3: 10.22 dBm                                                                                 |
| Antenna System (eg., MIMO, Smart Antenna)               | Cyclic Delay Diversity (CDD)                                                                                             |
| Categorization as Correlated or Completely Uncorrelated | Correlated                                                                                                               |
| Antenna Type                                            | Main Antenna<br>Aux. Antenna                                                                                             |
| Antenna Gain                                            | Main Antenna<br>Aux. Antenna                                                                                             |
| Total directional gain                                  | For power spectral density(PSD) measurements<br>For power measurements                                                   |
| About the Product                                       | The equipment is BrailleSense 6, intended for used with information technology equipment.                                |



## 2.6 Additional Instructions

EUT Software Settings:

|      |                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mode | <input checked="" type="checkbox"/> Special software is used.<br>The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually. |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

|                       |              |
|-----------------------|--------------|
| Test Software Version | ***#8613#*** |
|-----------------------|--------------|

| U-NII-1 (5150 - 5250 MHz) Power level setup in software |         |                 |              |              |                   |                   |
|---------------------------------------------------------|---------|-----------------|--------------|--------------|-------------------|-------------------|
| Mode                                                    | Channel | Frequency (MHz) | Soft Set     |              |                   |                   |
|                                                         |         |                 | Main Antenna | Aux. Antenna | MIMO-Main Antenna | MIMO-Aux. Antenna |
| 11a                                                     | CH36    | 5180            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11a                                                     | CH44    | 5220            | 10.5         | 10.0         | 7.0               | 7.0               |
| 11a                                                     | CH48    | 5240            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11n (HT20)                                              | CH36    | 5180            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11n (HT20)                                              | CH44    | 5220            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11n (HT20)                                              | CH48    | 5240            | 10.5         | 10.0         | 7.0               | 7.0               |
| 11n (HT40)                                              | CH38    | 5190            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11n (HT40)                                              | CH46    | 5230            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT20)                                            | CH36    | 5180            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11ac (VHT20)                                            | CH44    | 5220            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11ac (VHT20)                                            | CH48    | 5240            | 10.5         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT40)                                            | CH38    | 5190            | 10.5         | 10.0         | 7.5               | 7.5               |
| 11ac (VHT40)                                            | CH46    | 5230            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT80)                                            | CH42    | 5210            | 11.0         | 10.5         | 7.5               | 7.5               |

| U-NII-3 (5725 - 5850 MHz) Power level setup in software |         |                 |              |              |                   |                   |
|---------------------------------------------------------|---------|-----------------|--------------|--------------|-------------------|-------------------|
| Mode                                                    | Channel | Frequency (MHz) | Soft Set     |              |                   |                   |
|                                                         |         |                 | Main Antenna | Aux. Antenna | MIMO-Main Antenna | MIMO-Aux. Antenna |
| 11a                                                     | CH149   | 5745            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11a                                                     | CH157   | 5785            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11a                                                     | CH165   | 5825            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11n (HT20)                                              | CH149   | 5745            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11n (HT20)                                              | CH157   | 5785            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11n (HT20)                                              | CH165   | 5825            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11n (HT40)                                              | CH151   | 5755            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11n (HT40)                                              | CH159   | 5795            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT20)                                            | CH149   | 5745            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT20)                                            | CH157   | 5785            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT20)                                            | CH165   | 5825            | 10.5         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT40)                                            | CH151   | 5755            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT40)                                            | CH159   | 5795            | 10.0         | 10.0         | 7.0               | 7.0               |
| 11ac (VHT80)                                            | CH155   | 5775            | 10.0         | 10.0         | 7.0               | 7.0               |

Run Software:

11:46




Tx

☐ WFO
☒ WF1

☐ Duplicate mode

Bandwidth 20MHz

Data Bandwidth BW20

Primary Ch 0

Tx0 channel Channel 36 [5180MHz]

Rate 6M

Pkt length 1024

Pkt cnt 0

Tx power (dBm) 10.5

Preamble Normal

Guard interval normal GI

Mode continuous packet tx

GO STOP



## 2.7 Channel List

| 20 MHz         |                 | 40 MHz         |                 | 80 MHz         |                 |
|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Channel Number | Frequency (MHz) | Channel Number | Frequency (MHz) | Channel Number | Frequency (MHz) |
| <b>36</b>      | <b>5180</b>     | <b>38</b>      | <b>5190</b>     | <b>42</b>      | <b>5210</b>     |
| 40             | 5200            | <b>46</b>      | <b>5230</b>     | <b>155</b>     | <b>5775</b>     |
| <b>44</b>      | <b>5220</b>     | <b>151</b>     | <b>5755</b>     |                |                 |
| <b>48</b>      | <b>5240</b>     | <b>159</b>     | <b>5795</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-3 (5725 - 5850 MHz) |         |                 |
|---------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number            | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 36                        | Low     | 5180            | 149                       | Low     | 5745            |
| 44                        | Mid     | 5220            | 157                       | Mid     | 5785            |
| 48                        | High    | 5240            | 165                       | High    | 5825            |

For 802.11n(HT40)/ac(VHT40)

| U-NII-1 (5150 - 5250 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|---------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number            | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 38                        | Low     | 5190            | 151                       | Low     | 5755            |
| 46                        | High    | 5230            | 159                       | High    | 5795            |

For 802.11ac(VHT80)

| U-NII-1 (5150 - 5250 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|---------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number            | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 42                        | Mid     | 5210            | 155                       | Mid     | 5775            |

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-3     |
|---------------------------------------------|--------------|-----------|-----------------|----------|-------------|
|                                             |              |           |                 | Channel  | Channel     |
| RF Output Power                             | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| Emission Bandwidth & 99% Occupied Bandwidth | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| 6 dB bandwidth                              | 11a          | 6         | BPSK            | N/A      | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | N/A      | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | N/A      | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | N/A      | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | N/A      | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | N/A      | 155         |
| Power Spectral Density                      | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| Radiated Spurious Emissions                 | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| Band Edge (Restricted-band)                 | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

| No. | Identity                                         | Document Title                                                                                                         |
|-----|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 15<br>Subpart E<br>(10-1-16 Edition) | Unlicensed National Information Infrastructure Devices                                                                 |
| 2   | KDB Publication<br>789033 D02v02r01              | Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E |
| 3   | KDB Publication<br>662911 D01v02r01              | Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)              |
| 4   | ANSI C63.10-2013                                 | American National Standard for Testing Unlicensed Wireless Devices                                                     |

#### 3.2 Verdict

| No. | Description                                                    | FCC Part No. | Test Result | Verdict               |
|-----|----------------------------------------------------------------|--------------|-------------|-----------------------|
| 1   | Antenna Requirement                                            | 15.203       | --          | Pass <sup>Note1</sup> |
| 2   | RF Output Power                                                | 15.407(a)    | ANNEX A.1   | Pass                  |
| 3   | Emission Bandwidth<br>& 99% Occupied Bandwidth                 | 15.407(a)    | ANNEX A.2   | Pass                  |
| 4   | 6 dB bandwidth                                                 | 15.407(e)    | ANNEX A.3   | Pass                  |
| 5   | Power Spectral Density                                         | 15.407(a)    | ANNEX A.4   | Pass                  |
| 6   | Conducted Emission                                             | 15.207       | ANNEX A.5   | Pass                  |
| 7   | Radiated Spurious Emissions and<br>Band Edge (Restricted-band) | 15.407(b)    | ANNEX A.6   | Pass                  |
| 8   | Receiver Spurious Emissions                                    | --           | --          | 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          | 45% to 55%              |                |
| Atmospheric Pressure       | 100 kPa to 102 kPa      |                |
| Temperature                | NT (Normal Temperature) | +22°C to +25°C |
|                            | LT (Low Temperature)    | 0°C            |
|                            | HT (High Temperature)   | +50°C          |
| Working Voltage of the EUT | NV (Normal Voltage)     | 3.85 V         |
|                            | LV (Low Voltage)        | 3.60 V         |
|                            | HV (High Voltage)       | 4.35 V         |

### 4.2 Test Equipment List

| Description                       | Manufacturer            | Model             | Serial No. | Cal. Date  | Cal. Due   |
|-----------------------------------|-------------------------|-------------------|------------|------------|------------|
| Spectrum Analyzer                 | ROHDE&SCHWARZ           | FSV-30            | 103118     | 2020.06.08 | 2021.06.07 |
| Switch Unit with OSP-B157         | ROHDE&SCHWARZ           | OSP120            | 101270     | 2020.06.08 | 2021.06.07 |
| EMI Receiver                      | KEYSIGHT                | N9038A            | MY53220118 | 2020.06.09 | 2021.06.08 |
| EMI Receiver                      | ROHDE&SCHWARZ           | ESRP              | 101036     | 2020.06.09 | 2021.06.08 |
| LISN                              | SCHWARZBECK             | NSLK 8127         | 8127-687   | 2020.06.09 | 2021.06.08 |
| Bluetooth Tester                  | ROHDE&SCHWARZ           | CBT               | 101005     | 2020.06.08 | 2021.06.07 |
| DC Power Supply                   | ROHDE&SCHWARZ           | HMP2020           | 018141664  | 2020.06.08 | 2021.06.07 |
| Power Splitter                    | KMW                     | DCPD-LDC          | 1305003215 | --         | --         |
| Power Sensor                      | ROHDE&SCHWARZ           | NRP-Z21           | 103971     | 2020.06.08 | 2021.06.07 |
| Attenuator (20 dB)                | KMW                     | ZA-S1-201         | 110617091  | --         | --         |
| Attenuator (6 dB)                 | KMW                     | ZA-S1-61          | 1305003189 | --         | --         |
| Temperature Chamber               | AHK                     | SP20              | 1412       | 2020.06.10 | 2021.06.09 |
| Test Antenna-Loop(9 kHz-30 MHz)   | SCHWARZBECK             | FMZB 1519         | 1519-037   | 2019.10.29 | 2021.10.28 |
| Test Antenna-Bi-Log(30 MHz-3 GHz) | SCHWARZBECK             | VULB 9163         | 9163-624   | 2019.07.02 | 2021.07.01 |
| Test Antenna-Horn(1-18 GHz)       | SCHWARZBECK             | BBHA 9120D        | 9120D-1917 | 2019.07.02 | 2021.07.01 |
| Test Antenna-Horn (18-40 GHz)     | A-INFO                  | LB-180400KF       | J211060273 | 2021.01.05 | 2023.01.04 |
| Anechoic Chamber                  | RAINFORD                | 9m*6m*6m          | N/A        | 2017.02.21 | 2022.02.20 |
| Anechoic Chamber                  | EMC Electronic Co., Ltd | 20.10*11.60*7.35m | N/A        | 2018.08.08 | 2021.08.07 |
| Shielded Enclosure                | ChangNing               | CN-130701         | 130703     | --         | --         |
| Signal Generator                  | ROHDE&SCHWARZ           | SMB100A           | 177746     | 2020.06.08 | 2021.06.07 |
| Power Amplifier                   | OPHIR RF                | 5225F             | 1037       | 2021.02.18 | 2022.02.17 |
| Power Amplifier                   | OPHIR RF                | 5273F             | 1016       | 2021.02.18 | 2022.02.17 |
| Directional Coupler               | Werlantone              | C5982-10          | 109275     | N/A        | N/A        |
| Directional Coupler               | Werlantone              | CHP-273E          | S00801z-01 | N/A        | N/A        |

| Description       | Manufacturer | Model      | Serial No. | Cal. Date  | Cal. Due   |
|-------------------|--------------|------------|------------|------------|------------|
| Sound Level Meter | B&K          | NL-20      | 00844023   | 2020.10.23 | 2021.10.22 |
| Ear Simulator     | B&K          | 4192-L-001 | 3038758    | 2021.02.18 | 2022.02.17 |
| Audio analyzer    | B&K          | UPL 16     | 100129     | 2020.02.28 | 2021.02.27 |

| Description                       | Manufacturer            | Model             | Serial No. | Cal. Date  | Cal. Due   |
|-----------------------------------|-------------------------|-------------------|------------|------------|------------|
| Spectrum Analyzer                 | ROHDE&SCHWARZ           | FSV-30            | 103118     | 2020.06.08 | 2021.06.07 |
| Switch Unit with OSP-B157         | ROHDE&SCHWARZ           | OSP120            | 101270     | 2020.06.08 | 2021.06.07 |
| EMI Receiver                      | KEYSIGHT                | N9038A            | MY53220118 | 2020.06.09 | 2021.06.08 |
| EMI Receiver                      | ROHDE&SCHWARZ           | ESRP              | 101036     | 2020.06.09 | 2021.06.08 |
| LISN                              | SCHWARZBECK             | NSLK 8127         | 8127-687   | 2020.06.09 | 2021.06.08 |
| Bluetooth Tester                  | ROHDE&SCHWARZ           | CBT               | 101005     | 2020.06.08 | 2021.06.07 |
| DC Power Supply                   | ROHDE&SCHWARZ           | HMP2020           | 018141664  | 2020.06.08 | 2021.06.07 |
| Power Splitter                    | KMW                     | DCPD-LDC          | 1305003215 | --         | --         |
| Power Sensor                      | ROHDE&SCHWARZ           | NRP-Z21           | 103971     | 2020.06.08 | 2021.06.07 |
| Attenuator (20 dB)                | KMW                     | ZA-S1-201         | 110617091  | --         | --         |
| Attenuator (6 dB)                 | KMW                     | ZA-S1-61          | 1305003189 | --         | --         |
| Temperature Chamber               | AHK                     | SP20              | 1412       | 2020.06.10 | 2021.06.09 |
| Test Antenna-Loop(9 kHz-30 MHz)   | SCHWARZBECK             | FMZB 1519         | 1519-037   | 2019.10.29 | 2021.10.28 |
| Test Antenna-Bi-Log(30 MHz-3 GHz) | SCHWARZBECK             | VULB 9163         | 9163-624   | 2019.07.02 | 2021.07.01 |
| Test Antenna-Horn(1-18 GHz)       | SCHWARZBECK             | BBHA 9120D        | 9120D-1917 | 2019.07.02 | 2021.07.01 |
| Test Antenna-Horn (18-40 GHz)     | A-INFO                  | LB-180400KF       | J211060273 | 2021.01.05 | 2023.01.04 |
| Anechoic Chamber                  | RAINFORD                | 9m*6m*6m          | N/A        | 2017.02.21 | 2022.02.20 |
| Anechoic Chamber                  | EMC Electronic Co., Ltd | 20.10*11.60*7.35m | N/A        | 2018.08.08 | 2021.08.07 |
| Shielded Enclosure                | ChangNing               | CN-130701         | 130703     | --         | --         |
| Signal Generator                  | ROHDE&SCHWARZ           | SMB100A           | 177746     | 2020.06.08 | 2021.06.07 |
| Power Amplifier                   | OPHIR RF                | 5225F             | 1037       | 2021.02.18 | 2022.02.17 |
| Power Amplifier                   | OPHIR RF                | 5273F             | 1016       | 2021.02.18 | 2022.02.17 |
| Directional Coupler               | Werlantone              | C5982-10          | 109275     | N/A        | N/A        |
| Directional Coupler               | Werlantone              | CHP-273E          | S00801z-01 | N/A        | N/A        |
| Sound Level Meter                 | B&K                     | NL-20             | 00844023   | 2020.10.23 | 2021.10.22 |
| Ear Simulator                     | B&K                     | 4192-L-001        | 3038758    | 2021.02.18 | 2022.02.17 |
| Audio analyzer                    | B&K                     | UPL 16            | 100129     | 2021.02.27 | 2022.02.26 |

### 4.3 Measurement Uncertainty

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

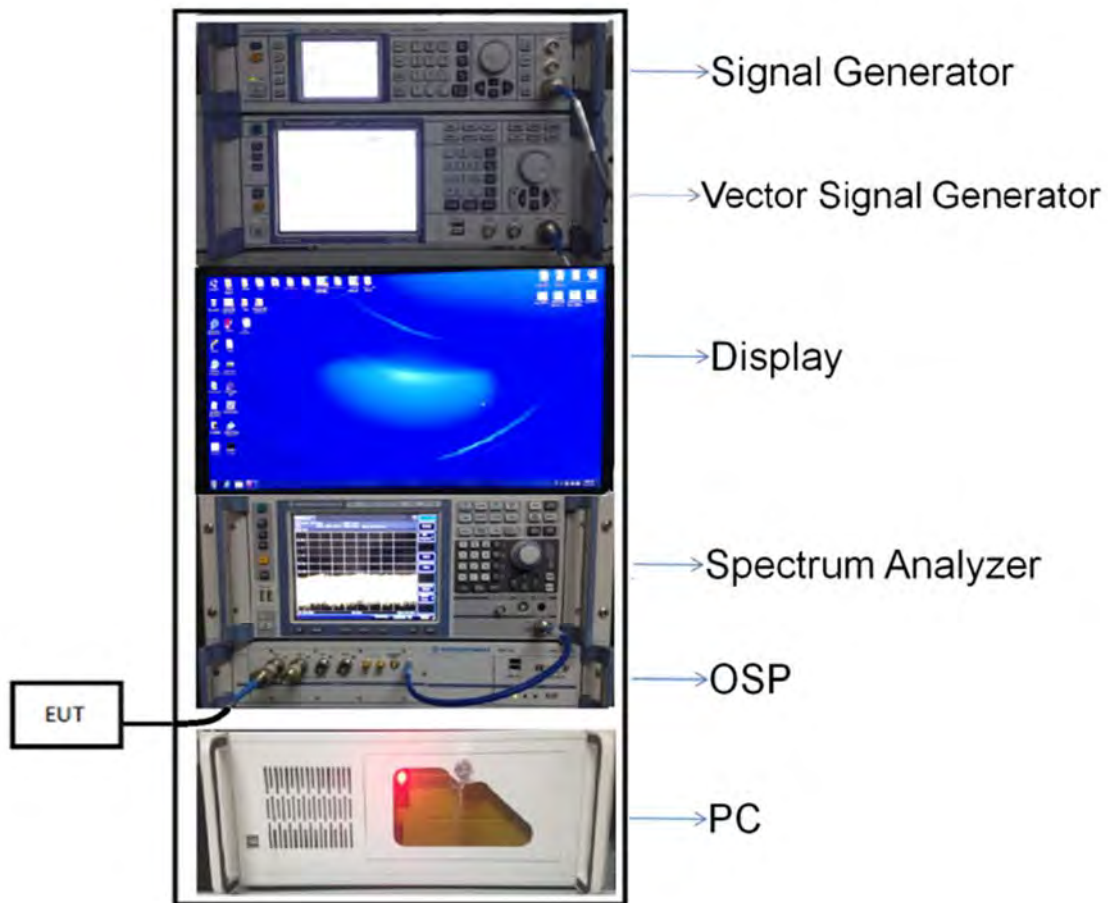
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Measurement                       | Value                   |
|-----------------------------------|-------------------------|
| Occupied Channel Bandwidth        | $\pm 4\%$               |
| RF output power, conducted        | $\pm 1.4$ dB            |
| Power Spectral Density, conducted | $\pm 2.5$ dB            |
| Unwanted Emissions, conducted     | $\pm 2.8$ dB            |
| All emissions, radiated           | $\pm 5.4$ dB            |
| Temperature                       | $\pm 1^{\circ}\text{C}$ |
| Humidity                          | $\pm 4\%$               |



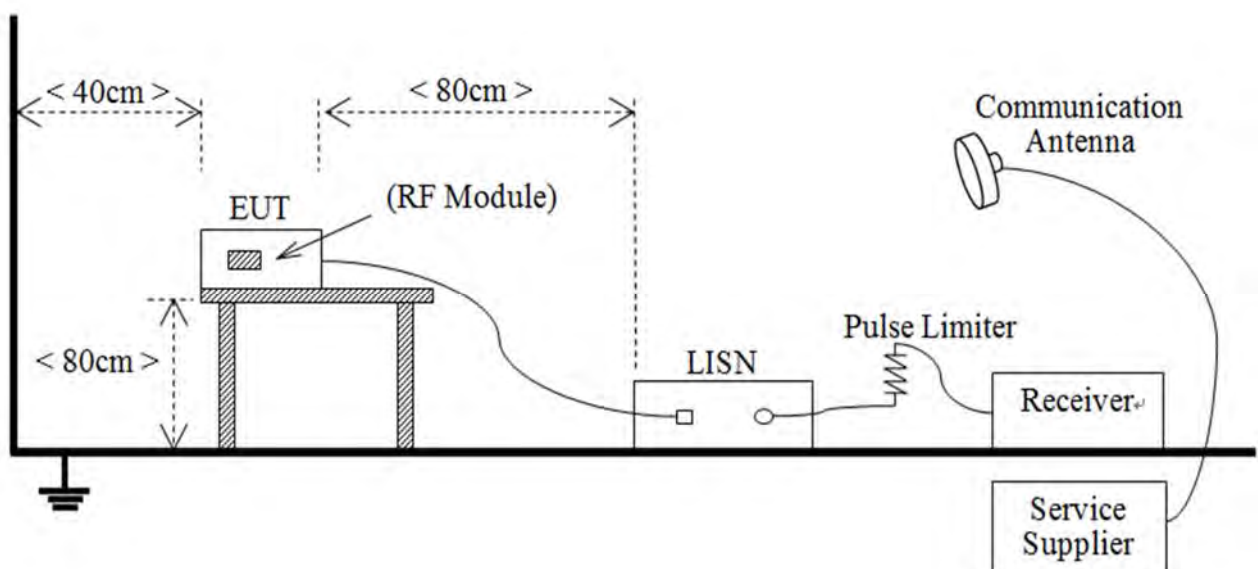
## 4.4 Description of Test Setup

### 4.4.1 For Antenna Port Test



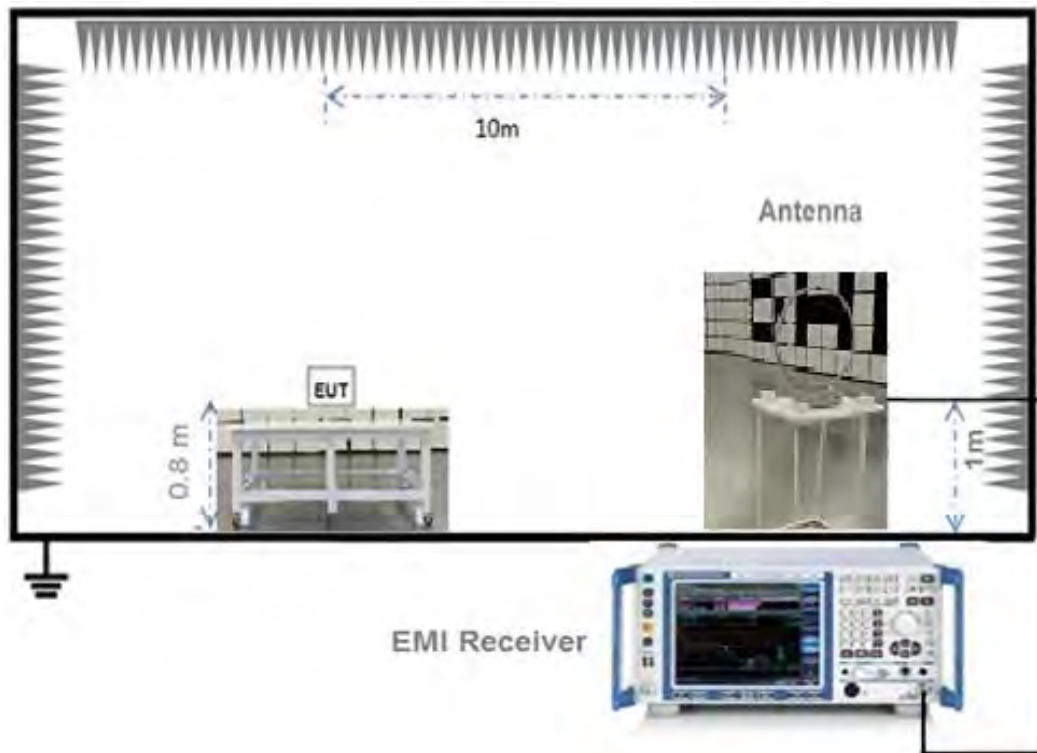
(Diagram 1)

### 4.4.2 For AC Power Supply Port Test



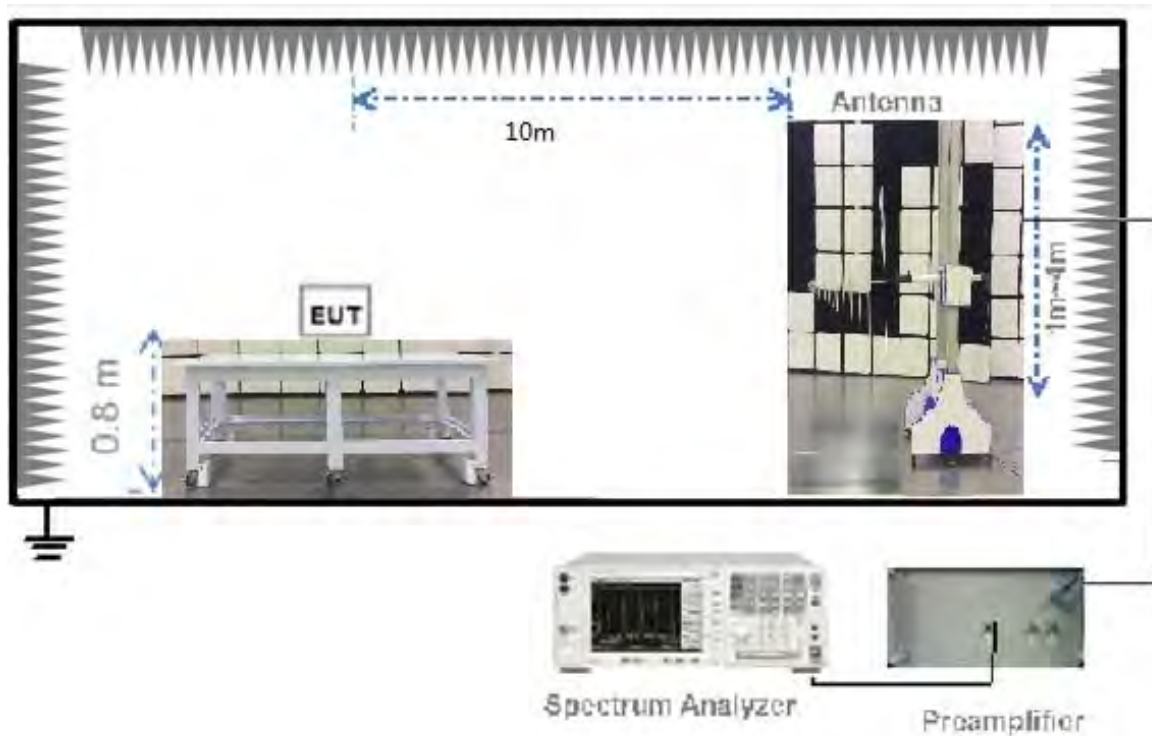
(Diagram 2)

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



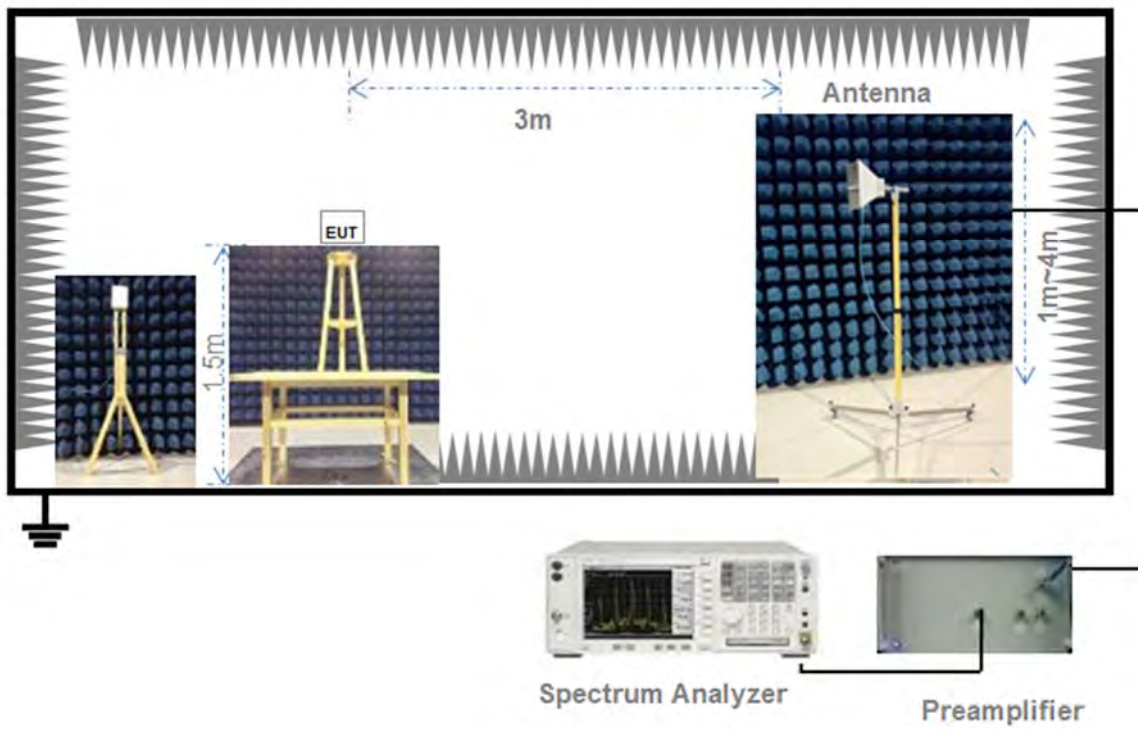
(Diagram 3)

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



(Diagram 4)

#### 4.4.5 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                                            |
| Note: Where "B" is the 99% emissions bandwidth in MHz. |                                                |

#### 5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

#### 5.1.3 Test Procedure

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

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

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Emission Bandwidth and 6 dB Bandwidth

### 5.2.1 Limit

FCC §15.407(a), 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 4.4.1 (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        |

### 5.3.2 Test Setup

The section 4.4.1 (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 4.4.2 (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)

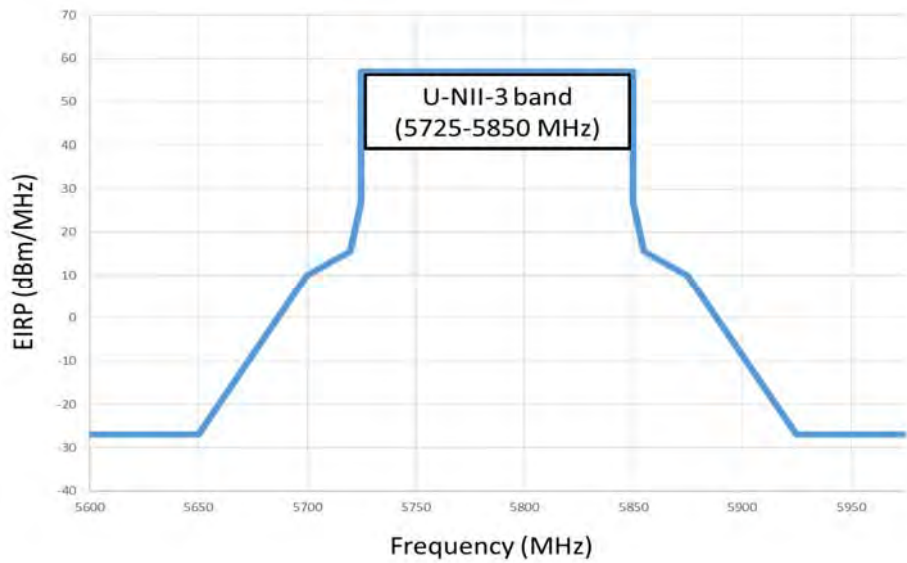
### 5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

| Frequency (MHz) | Field Strength ( $\mu\text{V}/\text{m}$ ) | 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>  <p>The graph plots EIRP (dBm/MHz) on the y-axis (ranging from -40 to 70) against Frequency (MHz) on the x-axis (ranging from 5600 to 5950). A blue line represents the emission limit. It is flat at -27 dBm/MHz from 5600 to 5650 MHz, then rises linearly to 27 dBm/MHz at 5725 MHz. It remains at 27 dBm/MHz until 5850 MHz, then falls linearly back to -27 dBm/MHz at 5925 MHz, and remains flat at -27 dBm/MHz until 5950 MHz. A box labeled 'U-NII-3 band (5725-5850 MHz)' is placed over the top of the trapezoid.</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 4.4.3-4.4.5 (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 maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) 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).
- d) 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).
- e) 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.

- f) Compare the resultant electric field strength level to the applicable limit.
- g) 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  $0^\circ$  to  $360^\circ$ , 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.

#### Test Data

#### Conducted Power

#### Main Antenna

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 9.90                  | 9.77                 | 250.00         | Pass    |
| 11a                       | CH44    | 9.95                  | 9.89                 | 250.00         | Pass    |
| 11a                       | CH48    | 9.60                  | 9.12                 | 250.00         | Pass    |
| 11n (HT20)                | CH36    | 9.81                  | 9.57                 | 250.00         | Pass    |
| 11n (HT20)                | CH44    | 9.89                  | 9.75                 | 250.00         | Pass    |
| 11n (HT20)                | CH48    | 9.96                  | 9.91                 | 250.00         | Pass    |
| 11n (HT40)                | CH38    | 10.10                 | 10.23                | 250.00         | Pass    |
| 11n (HT40)                | CH46    | 9.73                  | 9.40                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH36    | 9.77                  | 9.48                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH44    | 9.89                  | 9.75                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH48    | 9.98                  | 9.95                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH38    | 10.10                 | 10.23                | 250.00         | Pass    |
| 11ac (VHT40)              | CH46    | 9.77                  | 9.48                 | 250.00         | Pass    |
| 11ac (VHT80)              | CH42    | 10.33                 | 10.79                | 250.00         | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 9.78                  | 9.51                 | 1000.00        | Pass    |
| 11a                       | CH157   | 9.65                  | 9.23                 | 1000.00        | Pass    |
| 11a                       | CH165   | 9.54                  | 8.99                 | 1000.00        | Pass    |
| 11n (HT20)                | CH149   | 9.67                  | 9.27                 | 1000.00        | Pass    |
| 11n (HT20)                | CH157   | 9.55                  | 9.02                 | 1000.00        | Pass    |
| 11n (HT20)                | CH165   | 9.61                  | 9.14                 | 1000.00        | Pass    |
| 11n (HT40)                | CH151   | 9.89                  | 9.75                 | 1000.00        | Pass    |
| 11n (HT40)                | CH159   | 9.83                  | 9.62                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH149   | 9.71                  | 9.35                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH157   | 9.58                  | 9.08                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH165   | 9.96                  | 9.91                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH151   | 9.85                  | 9.66                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH159   | 9.84                  | 9.64                 | 1000.00        | Pass    |
| 11ac (VHT80)              | CH155   | 10.12                 | 10.28                | 1000.00        | Pass    |

Aux. Antenna

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 9.70                  | 9.33                 | 250.00         | Pass    |
| 11a                       | CH44    | 9.74                  | 9.42                 | 250.00         | Pass    |
| 11a                       | CH48    | 9.89                  | 9.75                 | 250.00         | Pass    |
| 11n (HT20)                | CH36    | 9.75                  | 9.44                 | 250.00         | Pass    |
| 11n (HT20)                | CH44    | 9.73                  | 9.40                 | 250.00         | Pass    |
| 11n (HT20)                | CH48    | 9.78                  | 9.51                 | 250.00         | Pass    |
| 11n (HT40)                | CH38    | 9.75                  | 9.44                 | 250.00         | Pass    |
| 11n (HT40)                | CH46    | 9.91                  | 9.79                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH36    | 9.68                  | 9.29                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH44    | 9.68                  | 9.29                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH48    | 9.72                  | 9.38                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH38    | 9.76                  | 9.46                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH46    | 9.88                  | 9.73                 | 250.00         | Pass    |
| 11ac (VHT80)              | CH42    | 10.28                 | 10.67                | 250.00         | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 9.90                  | 9.77                 | 1000.00        | Pass    |
| 11a                       | CH157   | 9.75                  | 9.44                 | 1000.00        | Pass    |
| 11a                       | CH165   | 9.74                  | 9.42                 | 1000.00        | Pass    |
| 11n (HT20)                | CH149   | 9.80                  | 9.55                 | 1000.00        | Pass    |
| 11n (HT20)                | CH157   | 9.73                  | 9.40                 | 1000.00        | Pass    |
| 11n (HT20)                | CH165   | 9.70                  | 9.33                 | 1000.00        | Pass    |
| 11n (HT40)                | CH151   | 9.96                  | 9.91                 | 1000.00        | Pass    |
| 11n (HT40)                | CH159   | 9.97                  | 9.93                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH149   | 9.81                  | 9.57                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH157   | 9.86                  | 9.68                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH165   | 9.77                  | 9.48                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH151   | 9.91                  | 9.79                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH159   | 9.97                  | 9.93                 | 1000.00        | Pass    |
| 11ac (VHT80)              | CH155   | 10.08                 | 10.19                | 1000.00        | Pass    |



# MIMO-Main Antenna

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 6.90                  | 4.90                 | 250.00         | Pass    |
| 11a                       | CH44    | 6.56                  | 4.53                 | 250.00         | Pass    |
| 11a                       | CH48    | 6.72                  | 4.70                 | 250.00         | Pass    |
| 11n (HT20)                | CH36    | 6.83                  | 4.82                 | 250.00         | Pass    |
| 11n (HT20)                | CH44    | 6.86                  | 4.85                 | 250.00         | Pass    |
| 11n (HT20)                | CH48    | 6.68                  | 4.66                 | 250.00         | Pass    |
| 11n (HT40)                | CH38    | 7.07                  | 5.09                 | 250.00         | Pass    |
| 11n (HT40)                | CH46    | 6.81                  | 4.80                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH36    | 6.86                  | 4.85                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH44    | 6.93                  | 4.93                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH48    | 6.64                  | 4.61                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH38    | 7.01                  | 5.02                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH46    | 6.82                  | 4.81                 | 250.00         | Pass    |
| 11ac (VHT80)              | CH42    | 7.02                  | 5.04                 | 250.00         | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 6.96                  | 4.97                 | 1000.00        | Pass    |
| 11a                       | CH157   | 6.70                  | 4.68                 | 1000.00        | Pass    |
| 11a                       | CH165   | 6.64                  | 4.61                 | 1000.00        | Pass    |
| 11n (HT20)                | CH149   | 6.82                  | 4.81                 | 1000.00        | Pass    |
| 11n (HT20)                | CH157   | 6.60                  | 4.57                 | 1000.00        | Pass    |
| 11n (HT20)                | CH165   | 6.53                  | 4.50                 | 1000.00        | Pass    |
| 11n (HT40)                | CH151   | 6.96                  | 4.97                 | 1000.00        | Pass    |
| 11n (HT40)                | CH159   | 6.83                  | 4.82                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH149   | 6.81                  | 4.80                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH157   | 6.62                  | 4.59                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH165   | 6.62                  | 4.59                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH151   | 7.02                  | 5.04                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH159   | 6.88                  | 4.88                 | 1000.00        | Pass    |
| 11ac (VHT80)              | CH155   | 7.34                  | 5.42                 | 1000.00        | Pass    |

## MIMO-Aux. Antenna

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 6.68                  | 4.66                 | 250.00         | Pass    |
| 11a                       | CH44    | 6.75                  | 4.73                 | 250.00         | Pass    |
| 11a                       | CH48    | 6.66                  | 4.63                 | 250.00         | Pass    |
| 11n (HT20)                | CH36    | 6.69                  | 4.67                 | 250.00         | Pass    |
| 11n (HT20)                | CH44    | 6.59                  | 4.56                 | 250.00         | Pass    |
| 11n (HT20)                | CH48    | 6.83                  | 4.82                 | 250.00         | Pass    |
| 11n (HT40)                | CH38    | 7.00                  | 5.01                 | 250.00         | Pass    |
| 11n (HT40)                | CH46    | 6.90                  | 4.90                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH36    | 6.61                  | 4.58                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH44    | 6.92                  | 4.92                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH48    | 6.69                  | 4.67                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH38    | 7.05                  | 5.07                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH46    | 6.91                  | 4.91                 | 250.00         | Pass    |
| 11ac (VHT80)              | CH42    | 7.18                  | 5.22                 | 250.00         | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 6.86                  | 4.85                 | 1000.00        | Pass    |
| 11a                       | CH157   | 6.75                  | 4.73                 | 1000.00        | Pass    |
| 11a                       | CH165   | 6.88                  | 4.88                 | 1000.00        | Pass    |
| 11n (HT20)                | CH149   | 6.76                  | 4.74                 | 1000.00        | Pass    |
| 11n (HT20)                | CH157   | 6.78                  | 4.76                 | 1000.00        | Pass    |
| 11n (HT20)                | CH165   | 6.78                  | 4.76                 | 1000.00        | Pass    |
| 11n (HT40)                | CH151   | 6.88                  | 4.88                 | 1000.00        | Pass    |
| 11n (HT40)                | CH159   | 6.87                  | 4.86                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH149   | 6.71                  | 4.69                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH157   | 6.73                  | 4.71                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH165   | 6.64                  | 4.61                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH151   | 6.94                  | 4.94                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH159   | 6.91                  | 4.91                 | 1000.00        | Pass    |
| 11ac (VHT80)              | CH155   | 7.08                  | 5.11                 | 1000.00        | Pass    |

# MIMO

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 9.80                  | 9.55                 | 250.00         | Pass    |
| 11a                       | CH44    | 9.67                  | 9.26                 | 250.00         | Pass    |
| 11a                       | CH48    | 9.70                  | 9.33                 | 250.00         | Pass    |
| 11n (HT20)                | CH36    | 9.77                  | 9.49                 | 250.00         | Pass    |
| 11n (HT20)                | CH44    | 9.74                  | 9.41                 | 250.00         | Pass    |
| 11n (HT20)                | CH48    | 9.77                  | 9.48                 | 250.00         | Pass    |
| 11n (HT40)                | CH38    | 10.05                 | 10.11                | 250.00         | Pass    |
| 11n (HT40)                | CH46    | 9.87                  | 9.70                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH36    | 9.75                  | 9.43                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH44    | 9.94                  | 9.85                 | 250.00         | Pass    |
| 11ac (VHT20)              | CH48    | 9.68                  | 9.28                 | 250.00         | Pass    |
| 11ac (VHT40)              | CH38    | 10.04                 | 10.09                | 250.00         | Pass    |
| 11ac (VHT40)              | CH46    | 9.88                  | 9.72                 | 250.00         | Pass    |
| 11ac (VHT80)              | CH42    | 10.11                 | 10.26                | 250.00         | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 9.92                  | 9.82                 | 1000.00        | Pass    |
| 11a                       | CH157   | 9.74                  | 9.41                 | 1000.00        | Pass    |
| 11a                       | CH165   | 9.77                  | 9.49                 | 1000.00        | Pass    |
| 11n (HT20)                | CH149   | 9.80                  | 9.55                 | 1000.00        | Pass    |
| 11n (HT20)                | CH157   | 9.70                  | 9.34                 | 1000.00        | Pass    |
| 11n (HT20)                | CH165   | 9.67                  | 9.26                 | 1000.00        | Pass    |
| 11n (HT40)                | CH151   | 9.93                  | 9.84                 | 1000.00        | Pass    |
| 11n (HT40)                | CH159   | 9.86                  | 9.68                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH149   | 9.77                  | 9.49                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH157   | 9.69                  | 9.30                 | 1000.00        | Pass    |
| 11ac (VHT20)              | CH165   | 9.64                  | 9.21                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH151   | 9.99                  | 9.98                 | 1000.00        | Pass    |
| 11ac (VHT40)              | CH159   | 9.91                  | 9.78                 | 1000.00        | Pass    |
| 11ac (VHT80)              | CH155   | 10.22                 | 10.53                | 1000.00        | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2120401-604 Data Part 1.pdf".

### Test Data

#### Main Antenna

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 20.04                 | 16.56               |
| 11a                       | CH44    | 19.96                 | 16.56               |
| 11a                       | CH48    | 20.12                 | 16.50               |
| 11n (HT20)                | CH36    | 20.36                 | 17.60               |
| 11n (HT20)                | CH44    | 20.32                 | 17.60               |
| 11n (HT20)                | CH48    | 20.32                 | 17.66               |
| 11n (HT40)                | CH38    | 41.10                 | 36.24               |
| 11n (HT40)                | CH46    | 41.00                 | 36.35               |
| 11ac (VHT20)              | CH36    | 20.36                 | 17.60               |
| 11ac (VHT20)              | CH44    | 20.32                 | 17.60               |
| 11ac (HVT20)              | CH48    | 20.40                 | 17.60               |
| 11ac (VHT40)              | CH38    | 41.00                 | 36.24               |
| 11ac (VHT40)              | CH46    | 41.10                 | 36.35               |
| 11ac (VHT80)              | CH42    | 81.40                 | 75.48               |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 20.04                 | 16.56               |
| 11a                       | CH157   | 19.96                 | 16.56               |
| 11a                       | CH165   | 20.12                 | 16.56               |
| 11n (HT20)                | CH149   | 20.40                 | 17.60               |
| 11n (HT20)                | CH157   | 20.32                 | 17.60               |
| 11n (HT20)                | CH165   | 20.36                 | 17.66               |
| 11n (HT40)                | CH151   | 41.00                 | 36.47               |
| 11n (HT40)                | CH159   | 40.90                 | 36.35               |
| 11ac (VHT20)              | CH149   | 20.28                 | 17.60               |
| 11ac (VHT20)              | CH157   | 20.40                 | 17.60               |
| 11ac (VHT20)              | CH165   | 20.40                 | 17.66               |
| 11ac (VHT40)              | CH151   | 41.10                 | 36.35               |
| 11ac (VHT40)              | CH159   | 41.20                 | 36.24               |
| 11ac (VHT80)              | CH155   | 81.40                 | 75.72               |

Aux. Antenna

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 20.08                 | 16.50               |
| 11a                       | CH44    | 20.08                 | 16.50               |
| 11a                       | CH48    | 20.00                 | 16.50               |
| 11n (HT20)                | CH36    | 20.32                 | 17.60               |
| 11n (HT20)                | CH44    | 20.44                 | 17.60               |
| 11n (HT20)                | CH48    | 20.44                 | 17.60               |
| 11n (HT40)                | CH38    | 41.00                 | 36.35               |
| 11n (HT40)                | CH46    | 41.20                 | 36.35               |
| 11ac (VHT20)              | CH36    | 20.40                 | 17.60               |
| 11ac (VHT20)              | CH44    | 20.32                 | 17.60               |
| 11ac (HVT20)              | CH48    | 20.36                 | 17.60               |
| 11ac (VHT40)              | CH38    | 41.00                 | 36.24               |
| 11ac (VHT40)              | CH46    | 40.90                 | 36.35               |
| 11ac (VHT80)              | CH42    | 81.40                 | 75.48               |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 20.04                 | 16.61               |
| 11a                       | CH157   | 20.12                 | 16.61               |
| 11a                       | CH165   | 20.12                 | 16.67               |
| 11n (HT20)                | CH149   | 20.32                 | 17.60               |
| 11n (HT20)                | CH157   | 20.36                 | 17.66               |
| 11n (HT20)                | CH165   | 20.44                 | 17.66               |
| 11n (HT40)                | CH151   | 41.00                 | 36.35               |
| 11n (HT40)                | CH159   | 41.00                 | 36.24               |
| 11ac (VHT20)              | CH149   | 20.32                 | 17.60               |
| 11ac (VHT20)              | CH157   | 20.36                 | 17.66               |
| 11ac (VHT20)              | CH165   | 20.40                 | 17.71               |
| 11ac (VHT40)              | CH151   | 41.10                 | 36.35               |
| 11ac (VHT40)              | CH159   | 41.00                 | 36.35               |
| 11ac (VHT80)              | CH155   | 81.60                 | 75.72               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2120401-604 Data Part 2.pdf”.

#### Test Data

##### Main Antenna

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 15.27                | 500.00      | Pass    |
| 11a                       | CH157   | 15.22                | 500.00      | Pass    |
| 11a                       | CH165   | 15.22                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 16.17                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.22                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.22                | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.17                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 35.17                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.52                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.22                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.22                | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.17                | 500.00      | Pass    |
| 11ac (VHT40)              | CH159   | 35.17                | 500.00      | Pass    |
| 11ac (VHT80)              | CH155   | 75.17                | 500.00      | Pass    |

##### Aux. Antenna

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 16.02                | 500.00      | Pass    |
| 11a                       | CH157   | 15.22                | 500.00      | Pass    |
| 11a                       | CH165   | 15.12                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 15.27                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.22                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.27                | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.12                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 35.17                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.22                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 16.02                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.22                | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.17                | 500.00      | Pass    |
| 11ac (VHT40)              | CH159   | 35.17                | 500.00      | Pass    |
| 11ac (VHT80)              | CH155   | 75.17                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note <sup>1</sup>: Test plots please refer to the document “Annex No.: BL-SZ2120401-604 Data Part 3.pdf”.

Note <sup>2</sup>: The RBW used in U-NII-3 is 1 MHz, and the PSD factor is:  $10 \cdot \log(500 \text{ kHz/RBW}) = -3 \text{ dBm}$ .

### Test Data

#### Main Antenna

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | -1.47         | 11.00           | Pass    |
| 11a                       | CH44    | -0.55         | 11.00           | Pass    |
| 11a                       | CH48    | -1.44         | 11.00           | Pass    |
| 11n (HT20)                | CH36    | -1.91         | 11.00           | Pass    |
| 11n (HT20)                | CH44    | -0.76         | 11.00           | Pass    |
| 11n (HT20)                | CH48    | -1.33         | 11.00           | Pass    |
| 11n (HT40)                | CH38    | -4.70         | 11.00           | Pass    |
| 11n (HT40)                | CH46    | -5.04         | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | -1.86         | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | -1.08         | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | -1.41         | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | -5.05         | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | -4.26         | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -7.44         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | -5.17            | 30.00              | Pass    |
| 11a                       | CH157   | -3.19            | 30.00              | Pass    |
| 11a                       | CH165   | -5.38            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | -5.24            | 30.00              | Pass    |
| 11n (HT20)                | CH157   | -4.16            | 30.00              | Pass    |
| 11n (HT20)                | CH165   | -5.74            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -8.65            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -7.98            | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | -5.75            | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -4.25            | 30.00              | Pass    |
| 11ac (HVT20)              | CH165   | -5.65            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -9.07            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -8.48            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -11.94           | 30.00              | Pass    |



Aux. Antenna

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | -1.09         | 11.00           | Pass    |
| 11a                       | CH44    | -1.01         | 11.00           | Pass    |
| 11a                       | CH48    | -1.22         | 11.00           | Pass    |
| 11n (HT20)                | CH36    | -1.28         | 11.00           | Pass    |
| 11n (HT20)                | CH44    | -1.29         | 11.00           | Pass    |
| 11n (HT20)                | CH48    | -1.48         | 11.00           | Pass    |
| 11n (HT40)                | CH38    | -4.50         | 11.00           | Pass    |
| 11n (HT40)                | CH46    | -4.66         | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | -1.44         | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | -1.37         | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | -1.47         | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | -4.78         | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | -4.44         | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -8.04         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | -4.97            | 30.00              | Pass    |
| 11a                       | CH157   | -4.60            | 30.00              | Pass    |
| 11a                       | CH165   | -5.52            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | -5.46            | 30.00              | Pass    |
| 11n (HT20)                | CH157   | -4.97            | 30.00              | Pass    |
| 11n (HT20)                | CH165   | -6.02            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -8.95            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -9.03            | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | -5.46            | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -5.01            | 30.00              | Pass    |
| 11ac (HVT20)              | CH165   | -6.02            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -8.52            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -8.20            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -12.27           | 30.00              | Pass    |

## MIMO-Main Antenna

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | -4.13         | 11.00           | Pass    |
| 11a                       | CH44    | -3.87         | 11.00           | Pass    |
| 11a                       | CH48    | -4.07         | 11.00           | Pass    |
| 11n (HT20)                | CH36    | -4.64         | 11.00           | Pass    |
| 11n (HT20)                | CH44    | -3.69         | 11.00           | Pass    |
| 11n (HT20)                | CH48    | -4.46         | 11.00           | Pass    |
| 11n (HT40)                | CH38    | -7.66         | 11.00           | Pass    |
| 11n (HT40)                | CH46    | -7.56         | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | -4.74         | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | -3.93         | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | -4.15         | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | -7.91         | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | -7.18         | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -11.30        | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | -8.32            | 30.00              | Pass    |
| 11a                       | CH157   | -7.15            | 30.00              | Pass    |
| 11a                       | CH165   | -8.69            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | -8.47            | 30.00              | Pass    |
| 11n (HT20)                | CH157   | -7.63            | 30.00              | Pass    |
| 11n (HT20)                | CH165   | -9.03            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -11.86           | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -10.92           | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | -8.55            | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -7.38            | 30.00              | Pass    |
| 11ac (HVT20)              | CH165   | -9.01            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -12.01           | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -11.03           | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -15.01           | 30.00              | Pass    |

## MIMO-Aux. Antenna

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | -3.73         | 11.00           | Pass    |
| 11a                       | CH44    | -4.08         | 11.00           | Pass    |
| 11a                       | CH48    | -4.04         | 11.00           | Pass    |
| 11n (HT20)                | CH36    | -4.00         | 11.00           | Pass    |
| 11n (HT20)                | CH44    | -3.90         | 11.00           | Pass    |
| 11n (HT20)                | CH48    | -4.60         | 11.00           | Pass    |
| 11n (HT40)                | CH38    | -6.96         | 11.00           | Pass    |
| 11n (HT40)                | CH46    | -7.86         | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | -4.01         | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | -3.61         | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | -4.74         | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | -7.23         | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | -7.91         | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -11.54        | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | -8.10            | 30.00              | Pass    |
| 11a                       | CH157   | -7.57            | 30.00              | Pass    |
| 11a                       | CH165   | -8.82            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | -8.59            | 30.00              | Pass    |
| 11n (HT20)                | CH157   | -8.10            | 30.00              | Pass    |
| 11n (HT20)                | CH165   | -9.07            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -11.60           | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -11.83           | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | -8.60            | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -8.08            | 30.00              | Pass    |
| 11ac (HVT20)              | CH165   | -9.04            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -11.52           | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -11.72           | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -15.28           | 30.00              | Pass    |

## MIMO

| A.5 U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|-------------------------------|---------|---------------|-----------------|---------|
| Mode                          | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                           | CH36    | -0.92         | 11.00           | Pass    |
| 11a                           | CH44    | -0.96         | 11.00           | Pass    |
| 11a                           | CH48    | -1.04         | 11.00           | Pass    |
| 11n (HT20)                    | CH36    | -1.30         | 11.00           | Pass    |
| 11n (HT20)                    | CH44    | -0.78         | 11.00           | Pass    |
| 11n (HT20)                    | CH48    | -1.52         | 11.00           | Pass    |
| 11n (HT40)                    | CH38    | -4.29         | 11.00           | Pass    |
| 11n (HT40)                    | CH46    | -4.70         | 11.00           | Pass    |
| 11ac (VHT20)                  | CH36    | -1.35         | 11.00           | Pass    |
| 11ac (VHT20)                  | CH44    | -0.76         | 11.00           | Pass    |
| 11ac (VHT20)                  | CH48    | -1.42         | 11.00           | Pass    |
| 11ac (VHT40)                  | CH38    | -4.55         | 11.00           | Pass    |
| 11ac (VHT40)                  | CH46    | -4.52         | 11.00           | Pass    |
| 11ac (VHT80)                  | CH42    | -8.41         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | -5.20            | 30.00              | Pass    |
| 11a                       | CH157   | -4.34            | 30.00              | Pass    |
| 11a                       | CH165   | -5.74            | 30.00              | Pass    |
| 11n (HT20)                | CH149   | -5.52            | 30.00              | Pass    |
| 11n (HT20)                | CH157   | -4.85            | 30.00              | Pass    |
| 11n (HT20)                | CH165   | -6.04            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -8.72            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -8.34            | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | -5.56            | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -4.71            | 30.00              | Pass    |
| 11ac (HVT20)              | CH165   | -6.01            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -8.75            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -8.35            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -12.13           | 30.00              | Pass    |

## A.5 Conducted Emissions

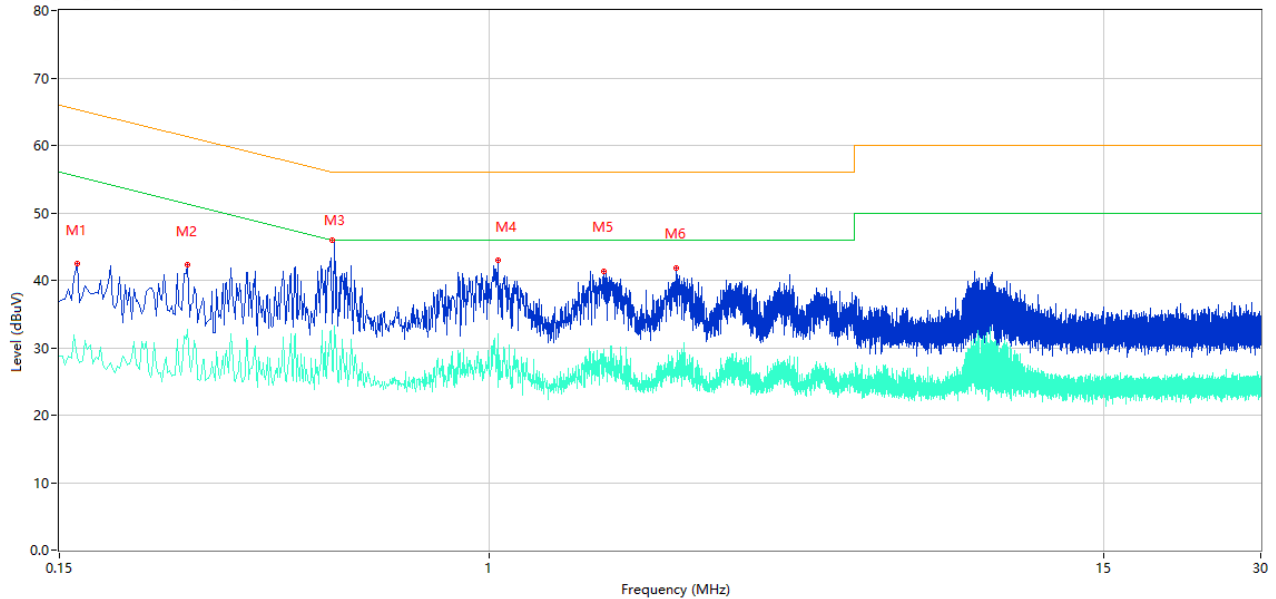
Note<sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

### Test Data and Plots

#### PHASE L

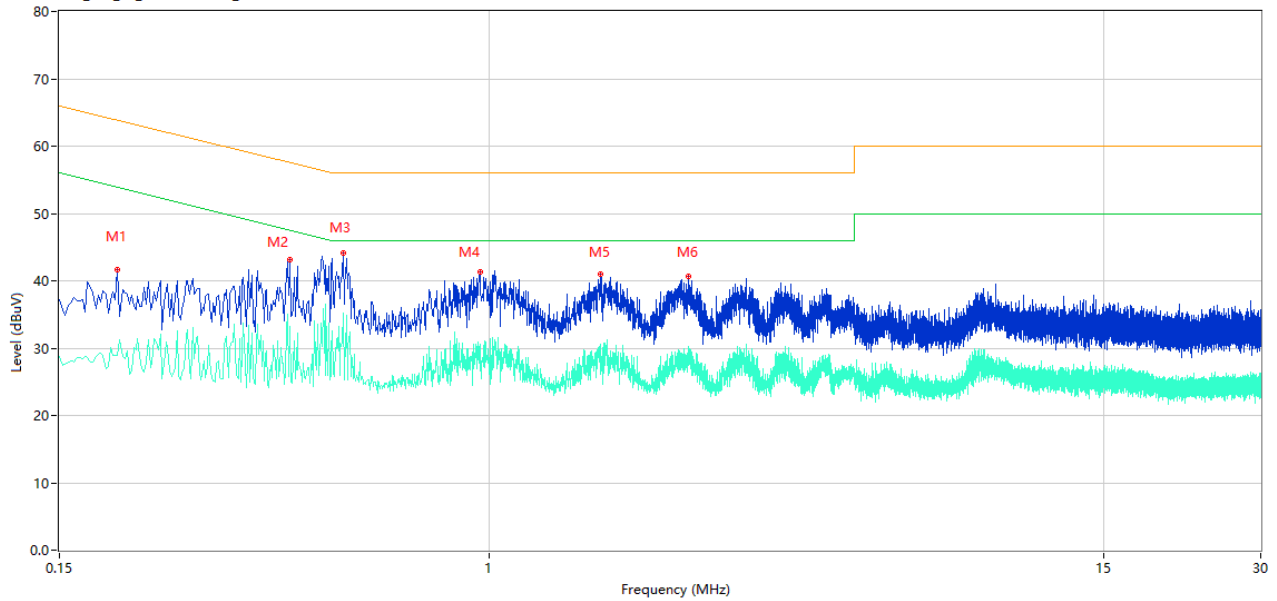
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1   | 0.162           | 42.55          | 10.40       | 65.36        | -22.81          | Peak     | L    | Pass    |
| 1** | 0.162           | 28.62          | 10.40       | 55.36        | -26.74          | AV       | L    | Pass    |
| 2   | 0.264           | 42.29          | 10.34       | 61.30        | -19.01          | Peak     | L    | Pass    |
| 2** | 0.264           | 32.80          | 10.34       | 51.30        | -18.50          | AV       | L    | Pass    |
| 3   | 0.504           | 46.05          | 10.30       | 56.00        | -9.95           | Peak     | L    | Pass    |
| 3** | 0.504           | 33.21          | 10.30       | 46.00        | -12.79          | AV       | L    | Pass    |
| 4   | 1.038           | 43.00          | 10.23       | 56.00        | -13.00          | Peak     | L    | Pass    |
| 4** | 1.038           | 32.12          | 10.23       | 46.00        | -13.88          | AV       | L    | Pass    |
| 5   | 1.656           | 41.38          | 10.26       | 56.00        | -14.62          | Peak     | L    | Pass    |
| 5** | 1.656           | 28.90          | 10.26       | 46.00        | -17.10          | AV       | L    | Pass    |
| 6   | 2.282           | 41.76          | 10.28       | 56.00        | -14.24          | Peak     | L    | Pass    |
| 6** | 2.282           | 27.73          | 10.28       | 46.00        | -18.27          | AV       | L    | Pass    |

## PHASE N

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



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1   | 0.194           | 41.63          | 10.38       | 63.86        | -22.23          | Peak     | N    | Pass    |
| 1** | 0.194           | 29.01          | 10.38       | 53.86        | -24.85          | AV       | N    | Pass    |
| 2   | 0.414           | 43.11          | 10.31       | 57.57        | -14.46          | Peak     | N    | Pass    |
| 2** | 0.414           | 33.25          | 10.31       | 47.57        | -14.32          | AV       | N    | Pass    |
| 3   | 0.524           | 44.13          | 10.30       | 56.00        | -11.87          | Peak     | N    | Pass    |
| 3** | 0.524           | 35.17          | 10.30       | 46.00        | -10.83          | AV       | N    | Pass    |
| 4   | 0.958           | 41.28          | 10.24       | 56.00        | -14.72          | Peak     | N    | Pass    |
| 4** | 0.958           | 29.51          | 10.24       | 46.00        | -16.49          | AV       | N    | Pass    |
| 5   | 1.632           | 40.97          | 10.26       | 56.00        | -15.03          | Peak     | N    | Pass    |
| 5** | 1.632           | 30.65          | 10.26       | 46.00        | -15.35          | AV       | N    | Pass    |
| 6   | 2.406           | 40.63          | 10.27       | 56.00        | -15.37          | Peak     | N    | Pass    |
| 6** | 2.406           | 30.27          | 10.27       | 46.00        | -15.73          | AV       | N    | Pass    |

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

### Test Data

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

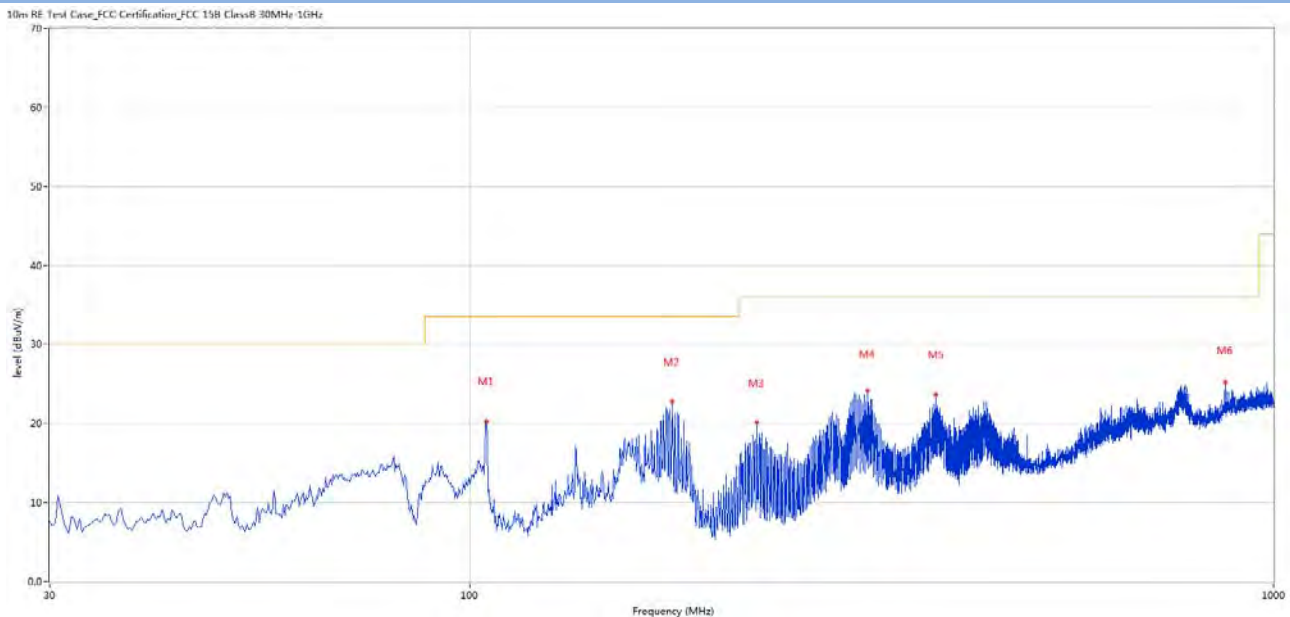
Note<sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

Note<sup>5</sup>: For Multiple transmitter output, the quantity  $10 \log (NANT)$  dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding  $10 \log (NANT)$  if the measurements are made relative to the in-band emissions on the individual outputs.

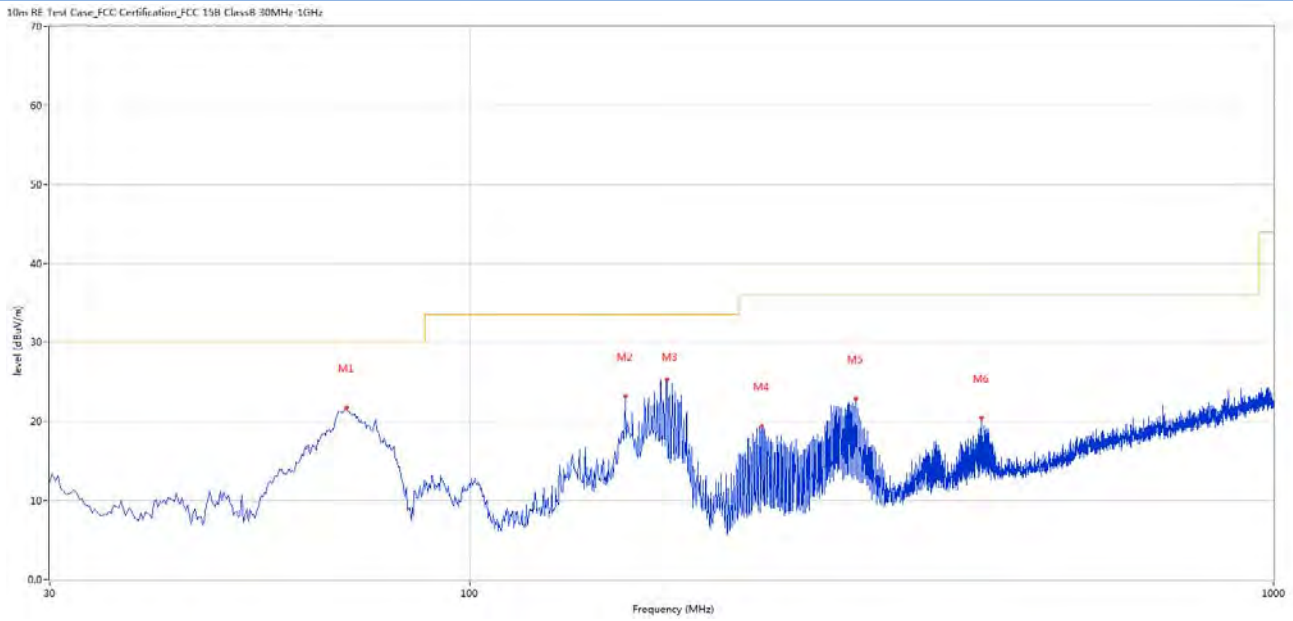
### 30 MHz to 1 GHz, ANT H



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 104.914         | 20.25            | -29.67      | 33.5           | -13.25          | Peak     | 337.00         | 300         | Horizontal | Pass    |
| 2   | 178.615         | 22.71            | -27.86      | 33.5           | -10.79          | Peak     | 28.00          | 400         | Horizontal | Pass    |
| 3   | 227.831         | 20.10            | -28.26      | 36.0           | -15.90          | Peak     | 58.00          | 400         | Horizontal | Pass    |
| 4   | 312.684         | 24.14            | -25.46      | 36.0           | -11.86          | Peak     | 261.00         | 300         | Horizontal | Pass    |
| 5   | 379.598         | 23.60            | -23.53      | 36.0           | -12.40          | Peak     | 347.00         | 300         | Horizontal | Pass    |
| 6   | 870.052         | 25.12            | -13.12      | 36.0           | -10.88          | Peak     | 9.00           | 100         | Horizontal | Pass    |



## 30 MHz to 1 GHz, ANT V



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 70.245          | 21.65            | -29.80      | 30.0           | -8.35           | Peak     | 360.00         | 200         | Vertical | Pass    |
| 2   | 156.068         | 23.11            | -25.70      | 33.5           | -10.39          | Peak     | 211.00         | 100         | Vertical | Pass    |
| 3   | 175.706         | 25.28            | -27.52      | 33.5           | -8.22           | Peak     | 19.00          | 100         | Vertical | Pass    |
| 4   | 230.740         | 19.34            | -27.99      | 36.0           | -16.66          | Peak     | 206.00         | 100         | Vertical | Pass    |
| 5   | 302.017         | 22.83            | -25.59      | 36.0           | -13.17          | Peak     | 110.00         | 100         | Vertical | Pass    |
| 6   | 433.177         | 20.38            | -22.09      | 36.0           | -15.62          | Peak     | 221.00         | 100         | Vertical | Pass    |

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

### Main Antenna

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1379.500        | 38.18            | -17.50      | 74.0           | -35.82          | Peak     | 52.00          | 150         | Horizontal | Pass    |
| 1** | 1379.500        | 28.77            | -17.50      | 54.0           | -25.23          | AV       | 52.00          | 150         | Horizontal | Pass    |
| 2   | 2806.100        | 43.22            | -11.00      | 74.0           | -30.78          | Peak     | 82.00          | 150         | Horizontal | Pass    |
| 2** | 2806.100        | 33.89            | -11.00      | 54.0           | -20.11          | AV       | 82.00          | 150         | Horizontal | Pass    |
| 3   | 4134.200        | 48.61            | -5.58       | 74.0           | -25.39          | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 3** | 4134.200        | 39.57            | -5.58       | 54.0           | -14.43          | AV       | 88.00          | 150         | Horizontal | Pass    |
| 4   | 5181.000        | 99.47            | -3.18       | --             | --              | Peak     | 151.00         | 150         | Horizontal | N/A     |
| 4** | 5181.000        | 92.45            | -3.18       | --             | --              | AV       | 151.00         | 150         | Horizontal | N/A     |
| 5   | 7551.425        | 48.79            | -1.58       | 74.0           | -25.21          | Peak     | 303.00         | 150         | Horizontal | Pass    |
| 5** | 7551.425        | 39.84            | -1.58       | 54.0           | -14.16          | AV       | 303.00         | 150         | Horizontal | Pass    |
| 6   | 11662.099       | 51.25            | 2.51        | 74.0           | -22.75          | Peak     | 150.00         | 150         | Horizontal | Pass    |
| 6** | 11662.099       | 42.11            | 2.51        | 54.0           | -11.89          | AV       | 150.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1508.500        | 38.39            | -17.81      | 74.0           | -35.61          | Peak     | 3.00           | 150         | Vertical | Pass    |
| 1** | 1508.500        | 28.41            | -17.81      | 54.0           | -25.59          | AV       | 3.00           | 150         | Vertical | Pass    |
| 2   | 2823.200        | 43.63            | -10.52      | 74.0           | -30.37          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 2** | 2823.200        | 33.39            | -10.52      | 54.0           | -20.61          | AV       | 1.00           | 150         | Vertical | Pass    |
| 3   | 3986.400        | 46.57            | -5.92       | 74.0           | -27.43          | Peak     | 356.00         | 150         | Vertical | Pass    |
| 3** | 3986.400        | 37.29            | -5.92       | 54.0           | -16.71          | AV       | 356.00         | 150         | Vertical | Pass    |
| 4   | 5178.600        | 97.79            | -3.14       | --             | --              | Peak     | 50.00          | 150         | Vertical | N/A     |
| 4** | 5178.600        | 90.63            | -3.14       | --             | --              | AV       | 50.00          | 150         | Vertical | N/A     |
| 5   | 7491.050        | 48.16            | -1.82       | 74.0           | -25.84          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 5** | 7491.050        | 38.98            | -1.82       | 54.0           | -15.02          | AV       | 200.00         | 150         | Vertical | Pass    |
| 6   | 11756.687       | 51.31            | 1.48        | 74.0           | -22.69          | Peak     | 293.00         | 150         | Vertical | Pass    |
| 6** | 11756.687       | 42.09            | 1.48        | 54.0           | -11.91          | AV       | 293.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1536.700        | 37.72            | -17.66      | 74.0           | -36.28          | Peak     | 184.00         | 150         | Horizontal | Pass    |
| 1** | 1536.700        | 28.30            | -17.66      | 54.0           | -25.70          | AV       | 184.00         | 150         | Horizontal | Pass    |
| 2   | 2809.400        | 42.99            | -10.85      | 74.0           | -31.01          | Peak     | 3.00           | 150         | Horizontal | Pass    |
| 2** | 2809.400        | 33.90            | -10.85      | 54.0           | -20.10          | AV       | 3.00           | 150         | Horizontal | Pass    |
| 3   | 4135.600        | 46.79            | -5.55       | 74.0           | -27.21          | Peak     | 120.00         | 150         | Horizontal | Pass    |
| 3** | 4135.600        | 37.85            | -5.55       | 54.0           | -16.15          | AV       | 120.00         | 150         | Horizontal | Pass    |
| 4   | 5218.200        | 98.46            | -3.45       | --             | --              | Peak     | 244.00         | 150         | Horizontal | N/A     |
| 4** | 5218.200        | 91.32            | -3.45       | --             | --              | AV       | 244.00         | 150         | Horizontal | N/A     |
| 5   | 7545.388        | 49.24            | -1.59       | 74.0           | -24.76          | Peak     | 297.00         | 150         | Horizontal | Pass    |
| 5** | 7545.388        | 39.96            | -1.59       | 54.0           | -14.04          | AV       | 297.00         | 150         | Horizontal | Pass    |
| 6   | 11667.562       | 51.64            | 2.49        | 74.0           | -22.36          | Peak     | 155.00         | 150         | Horizontal | Pass    |
| 6** | 11667.562       | 42.91            | 2.49        | 54.0           | -11.09          | AV       | 155.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1334.900        | 38.48            | -17.74      | 74.0           | -35.52          | Peak     | 285.00         | 150         | Vertical | Pass    |
| 1** | 1334.900        | 28.43            | -17.74      | 54.0           | -25.57          | AV       | 285.00         | 150         | Vertical | Pass    |
| 2   | 2791.700        | 43.23            | -11.14      | 74.0           | -30.77          | Peak     | 277.00         | 150         | Vertical | Pass    |
| 2** | 2791.700        | 33.30            | -11.14      | 54.0           | -20.70          | AV       | 277.00         | 150         | Vertical | Pass    |
| 3   | 4014.600        | 46.57            | -5.77       | 74.0           | -27.43          | Peak     | 86.00          | 150         | Vertical | Pass    |
| 3** | 4014.600        | 37.35            | -5.77       | 54.0           | -16.65          | AV       | 86.00          | 150         | Vertical | Pass    |
| 4   | 5221.800        | 98.02            | -3.43       | --             | --              | Peak     | 47.00          | 150         | Vertical | N/A     |
| 4** | 5221.800        | 90.58            | -3.43       | --             | --              | AV       | 47.00          | 150         | Vertical | N/A     |
| 5   | 7475.812        | 48.22            | -1.95       | 74.0           | -25.78          | Peak     | 242.00         | 150         | Vertical | Pass    |
| 5** | 7475.812        | 38.99            | -1.95       | 54.0           | -15.01          | AV       | 242.00         | 150         | Vertical | Pass    |
| 6   | 11630.763       | 51.34            | 2.34        | 74.0           | -22.66          | Peak     | 48.00          | 150         | Vertical | Pass    |
| 6** | 11630.763       | 42.34            | 2.34        | 54.0           | -11.66          | AV       | 48.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1533.600        | 37.50            | -17.79      | 74.0           | -36.50          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 1** | 1533.600        | 28.04            | -17.79      | 54.0           | -25.96          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 2   | 2789.800        | 43.29            | -11.09      | 74.0           | -30.71          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 2** | 2789.800        | 33.56            | -11.09      | 54.0           | -20.44          | AV       | 343.00         | 150         | Horizontal | Pass    |
| 3   | 4074.200        | 47.00            | -5.28       | 74.0           | -27.00          | Peak     | 70.00          | 150         | Horizontal | Pass    |
| 3** | 4074.200        | 38.41            | -5.28       | 54.0           | -15.59          | AV       | 70.00          | 150         | Horizontal | Pass    |
| 4   | 5242.400        | 98.36            | -3.72       | --             | --              | Peak     | 137.00         | 150         | Horizontal | N/A     |
| 4** | 5242.400        | 90.82            | -3.72       | --             | --              | AV       | 137.00         | 150         | Horizontal | N/A     |
| 5   | 7555.163        | 48.77            | -1.60       | 74.0           | -25.23          | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 5** | 7555.163        | 40.07            | -1.60       | 54.0           | -13.93          | AV       | 135.00         | 150         | Horizontal | Pass    |
| 6   | 11665.263       | 51.07            | 2.50        | 74.0           | -22.93          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 6** | 11665.263       | 41.91            | 2.50        | 54.0           | -12.09          | AV       | 7.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1140.600        | 37.49            | -18.37      | 74.0           | -36.51          | Peak     | 335.00         | 150         | Vertical | Pass    |
| 1** | 1140.600        | 27.36            | -18.37      | 54.0           | -26.64          | AV       | 335.00         | 150         | Vertical | Pass    |
| 2   | 1347.900        | 38.47            | -17.68      | 74.0           | -35.53          | Peak     | 154.00         | 150         | Vertical | Pass    |
| 2** | 1347.900        | 28.17            | -17.68      | 54.0           | -25.83          | AV       | 154.00         | 150         | Vertical | Pass    |
| 3   | 3850.200        | 46.23            | -6.15       | 74.0           | -27.77          | Peak     | 310.00         | 150         | Vertical | Pass    |
| 3** | 3850.200        | 36.64            | -6.15       | 54.0           | -17.36          | AV       | 310.00         | 150         | Vertical | Pass    |
| 4   | 5238.400        | 97.60            | -3.65       | --             | --              | Peak     | 42.00          | 150         | Vertical | N/A     |
| 4** | 5238.400        | 90.19            | -3.65       | --             | --              | AV       | 42.00          | 150         | Vertical | N/A     |
| 5   | 7521.238        | 48.35            | -1.60       | 74.0           | -25.65          | Peak     | 36.00          | 150         | Vertical | Pass    |
| 5** | 7521.238        | 38.79            | -1.60       | 54.0           | -15.21          | AV       | 36.00          | 150         | Vertical | Pass    |
| 6   | 11755.250       | 51.96            | 1.49        | 74.0           | -22.04          | Peak     | 67.00          | 150         | Vertical | Pass    |
| 6** | 11755.250       | 41.97            | 1.49        | 54.0           | -12.03          | AV       | 67.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1092.100        | 36.69            | -18.63      | 74.0           | -37.31          | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 1** | 1092.100        | 28.85            | -18.63      | 54.0           | -25.15          | AV       | 309.00         | 150         | Horizontal | Pass    |
| 2   | 1579.500        | 37.97            | -17.52      | 74.0           | -36.03          | Peak     | 15.00          | 150         | Horizontal | Pass    |
| 2** | 1579.500        | 28.92            | -17.52      | 54.0           | -25.08          | AV       | 15.00          | 150         | Horizontal | Pass    |
| 3   | 4243.800        | 47.07            | -4.87       | 74.0           | -26.93          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 3** | 4243.800        | 39.48            | -4.87       | 54.0           | -14.52          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 4   | 5181.400        | 99.95            | -3.19       | --             | --              | Peak     | 153.00         | 150         | Horizontal | N/A     |
| 4** | 5181.400        | 91.88            | -3.19       | --             | --              | AV       | 153.00         | 150         | Horizontal | N/A     |
| 5   | 7552.000        | 48.87            | -1.56       | 74.0           | -25.13          | Peak     | 174.00         | 150         | Horizontal | Pass    |
| 5** | 7552.000        | 39.36            | -1.56       | 54.0           | -14.64          | AV       | 174.00         | 150         | Horizontal | Pass    |
| 6   | 11621.276       | 51.99            | 2.24        | 74.0           | -22.01          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 11621.276       | 41.65            | 2.24        | 54.0           | -12.35          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1118.100        | 36.45            | -18.38      | 74.0           | -37.55          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 1** | 1118.100        | 27.18            | -18.38      | 54.0           | -26.82          | AV       | 216.00         | 150         | Vertical | Pass    |
| 2   | 1574.100        | 37.66            | -17.56      | 74.0           | -36.34          | Peak     | 5.00           | 150         | Vertical | Pass    |
| 2** | 1574.100        | 28.79            | -17.56      | 54.0           | -25.21          | AV       | 5.00           | 150         | Vertical | Pass    |
| 3   | 4223.200        | 47.30            | -4.72       | 74.0           | -26.70          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4223.200        | 38.16            | -4.72       | 54.0           | -15.84          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5182.000        | 96.51            | -3.21       | --             | --              | Peak     | 49.00          | 150         | Vertical | N/A     |
| 4** | 5182.000        | 88.50            | -3.21       | --             | --              | AV       | 49.00          | 150         | Vertical | N/A     |
| 5   | 7553.438        | 48.10            | -1.56       | 74.0           | -25.90          | Peak     | 92.00          | 150         | Vertical | Pass    |
| 5** | 7553.438        | 39.74            | -1.56       | 54.0           | -14.26          | AV       | 92.00          | 150         | Vertical | Pass    |
| 6   | 11668.138       | 51.58            | 2.48        | 74.0           | -22.42          | Peak     | 135.00         | 150         | Vertical | Pass    |
| 6** | 11668.138       | 42.70            | 2.48        | 54.0           | -11.30          | AV       | 135.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1214.700        | 36.85            | -17.97      | 74.0           | -37.15          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 1** | 1214.700        | 27.51            | -17.97      | 54.0           | -26.49          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 2   | 1566.000        | 38.10            | -17.62      | 74.0           | -35.90          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 2** | 1566.000        | 28.46            | -17.62      | 54.0           | -25.54          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 3   | 4189.000        | 47.70            | -5.24       | 74.0           | -26.30          | Peak     | 36.00          | 150         | Horizontal | Pass    |
| 3** | 4189.000        | 37.54            | -5.24       | 54.0           | -16.46          | AV       | 36.00          | 150         | Horizontal | Pass    |
| 4   | 5221.200        | 98.84            | -3.42       | --             | --              | Peak     | 152.00         | 150         | Horizontal | N/A     |
| 4** | 5221.200        | 91.83            | -3.42       | --             | --              | AV       | 152.00         | 150         | Horizontal | N/A     |
| 5   | 7530.150        | 48.13            | -1.65       | 74.0           | -25.87          | Peak     | 352.00         | 150         | Horizontal | Pass    |
| 5** | 7530.150        | 39.01            | -1.65       | 54.0           | -14.99          | AV       | 352.00         | 150         | Horizontal | Pass    |
| 6   | 12204.900       | 51.42            | 2.57        | 74.0           | -22.58          | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 6** | 12204.900       | 42.10            | 2.57        | 54.0           | -11.90          | AV       | 47.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1123.800        | 36.63            | -18.40      | 74.0           | -37.37          | Peak     | 9.00           | 150         | Vertical | Pass    |
| 1** | 1123.800        | 26.87            | -18.40      | 54.0           | -27.13          | AV       | 9.00           | 150         | Vertical | Pass    |
| 2   | 1476.300        | 38.29            | -17.79      | 74.0           | -35.71          | Peak     | 188.00         | 150         | Vertical | Pass    |
| 2** | 1476.300        | 28.82            | -17.79      | 54.0           | -25.18          | AV       | 188.00         | 150         | Vertical | Pass    |
| 3   | 3906.800        | 46.17            | -6.04       | 74.0           | -27.83          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 3** | 3906.800        | 36.73            | -6.04       | 54.0           | -17.27          | AV       | 186.00         | 150         | Vertical | Pass    |
| 4   | 5218.200        | 98.06            | -3.45       | --             | --              | Peak     | 45.00          | 150         | Vertical | N/A     |
| 4** | 5218.200        | 90.18            | -3.45       | --             | --              | AV       | 45.00          | 150         | Vertical | N/A     |
| 5   | 7551.712        | 48.35            | -1.57       | 74.0           | -25.65          | Peak     | 71.00          | 150         | Vertical | Pass    |
| 5** | 7551.712        | 39.27            | -1.57       | 54.0           | -14.73          | AV       | 71.00          | 150         | Vertical | Pass    |
| 6   | 12272.463       | 51.72            | 2.47        | 74.0           | -22.28          | Peak     | 133.00         | 150         | Vertical | Pass    |
| 6** | 12272.463       | 41.77            | 2.47        | 54.0           | -12.23          | AV       | 133.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1182.000        | 37.05            | -18.34      | 74.0           | -36.95          | Peak     | 26.00          | 150         | Horizontal | Pass    |
| 1** | 1182.000        | 27.87            | -18.34      | 54.0           | -26.13          | AV       | 26.00          | 150         | Horizontal | Pass    |
| 2   | 1349.600        | 37.77            | -17.70      | 74.0           | -36.23          | Peak     | 320.00         | 150         | Horizontal | Pass    |
| 2** | 1349.600        | 28.61            | -17.70      | 54.0           | -25.39          | AV       | 320.00         | 150         | Horizontal | Pass    |
| 3   | 4246.400        | 47.51            | -4.85       | 74.0           | -26.49          | Peak     | 338.00         | 150         | Horizontal | Pass    |
| 3** | 4246.400        | 38.58            | -4.85       | 54.0           | -15.42          | AV       | 338.00         | 150         | Horizontal | Pass    |
| 4   | 5238.200        | 98.14            | -3.65       | --             | --              | Peak     | 158.00         | 150         | Horizontal | N/A     |
| 4** | 5238.200        | 90.57            | -3.65       | --             | --              | AV       | 158.00         | 150         | Horizontal | N/A     |
| 5   | 7417.450        | 48.18            | -2.02       | 74.0           | -25.82          | Peak     | 32.00          | 150         | Horizontal | Pass    |
| 5** | 7417.450        | 38.64            | -2.02       | 54.0           | -15.36          | AV       | 32.00          | 150         | Horizontal | Pass    |
| 6   | 11633.063       | 51.89            | 2.37        | 74.0           | -22.11          | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 6** | 11633.063       | 42.80            | 2.37        | 54.0           | -11.20          | AV       | 233.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1117.200        | 36.71            | -18.41      | 74.0           | -37.29          | Peak     | 22.00          | 150         | Vertical | Pass    |
| 1** | 1117.200        | 28.11            | -18.41      | 54.0           | -25.89          | AV       | 22.00          | 150         | Vertical | Pass    |
| 2   | 1516.000        | 38.48            | -17.76      | 74.0           | -35.52          | Peak     | 192.00         | 150         | Vertical | Pass    |
| 2** | 1516.000        | 28.18            | -17.76      | 54.0           | -25.82          | AV       | 192.00         | 150         | Vertical | Pass    |
| 3   | 4202.400        | 47.57            | -5.21       | 74.0           | -26.43          | Peak     | 28.00          | 150         | Vertical | Pass    |
| 3** | 4202.400        | 39.13            | -5.21       | 54.0           | -14.87          | AV       | 28.00          | 150         | Vertical | Pass    |
| 4   | 5238.400        | 97.32            | -3.65       | --             | --              | Peak     | 52.00          | 150         | Vertical | N/A     |
| 4** | 5238.400        | 89.52            | -3.65       | --             | --              | AV       | 52.00          | 150         | Vertical | N/A     |
| 5   | 7557.750        | 49.09            | -1.67       | 74.0           | -24.91          | Peak     | 49.00          | 150         | Vertical | Pass    |
| 5** | 7557.750        | 39.29            | -1.67       | 54.0           | -14.71          | AV       | 49.00          | 150         | Vertical | Pass    |
| 6   | 12229.338       | 51.15            | 2.62        | 74.0           | -22.85          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 6** | 12229.338       | 42.51            | 2.62        | 54.0           | -11.49          | AV       | 218.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1081.400        | 36.49            | -18.71      | 74.0           | -37.51          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 1** | 1081.400        | 27.16            | -18.71      | 54.0           | -26.84          | AV       | 20.00          | 150         | Horizontal | Pass    |
| 2   | 1355.100        | 37.90            | -17.56      | 74.0           | -36.10          | Peak     | 143.00         | 150         | Horizontal | Pass    |
| 2** | 1355.100        | 28.88            | -17.56      | 54.0           | -25.12          | AV       | 143.00         | 150         | Horizontal | Pass    |
| 3   | 4090.800        | 47.97            | -5.06       | 74.0           | -26.03          | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 3** | 4090.800        | 37.08            | -5.06       | 54.0           | -16.92          | AV       | 19.00          | 150         | Horizontal | Pass    |
| 4   | 5191.800        | 96.66            | -3.24       | --             | --              | Peak     | 158.00         | 150         | Horizontal | N/A     |
| 4** | 5191.800        | 89.18            | -3.24       | --             | --              | AV       | 158.00         | 150         | Horizontal | N/A     |
| 5   | 7393.587        | 48.92            | -1.66       | 74.0           | -25.08          | Peak     | 139.00         | 150         | Horizontal | Pass    |
| 5** | 7393.587        | 39.71            | -1.66       | 54.0           | -14.29          | AV       | 139.00         | 150         | Horizontal | Pass    |
| 6   | 12247.737       | 51.57            | 2.66        | 74.0           | -22.43          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 6** | 12247.737       | 42.63            | 2.66        | 54.0           | -11.37          | AV       | 58.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1186.100        | 37.53            | -18.27      | 74.0           | -36.47          | Peak     | 279.00         | 150         | Vertical | Pass    |
| 1** | 1186.100        | 27.73            | -18.27      | 54.0           | -26.27          | AV       | 279.00         | 150         | Vertical | Pass    |
| 2   | 1556.500        | 38.39            | -17.75      | 74.0           | -35.61          | Peak     | 65.00          | 150         | Vertical | Pass    |
| 2** | 1556.500        | 28.23            | -17.75      | 54.0           | -25.77          | AV       | 65.00          | 150         | Vertical | Pass    |
| 3   | 4265.800        | 48.05            | -4.80       | 74.0           | -25.95          | Peak     | 160.00         | 150         | Vertical | Pass    |
| 3** | 4265.800        | 38.23            | -4.80       | 54.0           | -15.77          | AV       | 160.00         | 150         | Vertical | Pass    |
| 4   | 5192.800        | 93.76            | -3.28       | --             | --              | Peak     | 67.00          | 150         | Vertical | N/A     |
| 4** | 5192.800        | 87.50            | -3.28       | --             | --              | AV       | 67.00          | 150         | Vertical | N/A     |
| 5   | 7555.450        | 47.89            | -1.61       | 74.0           | -26.11          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 5** | 7555.450        | 39.60            | -1.61       | 54.0           | -14.40          | AV       | 150.00         | 150         | Vertical | Pass    |
| 6   | 12234.800       | 51.80            | 2.63        | 74.0           | -22.20          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 6** | 12234.800       | 41.90            | 2.63        | 54.0           | -12.10          | AV       | 150.00         | 150         | Vertical | Pass    |



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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1176.000        | 36.63            | -18.48      | 74.0           | -37.37          | Peak     | 328.00         | 150         | Horizontal | Pass    |
| 1** | 1176.000        | 27.53            | -18.48      | 54.0           | -26.47          | AV       | 328.00         | 150         | Horizontal | Pass    |
| 2   | 1355.900        | 38.21            | -17.55      | 74.0           | -35.79          | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 2** | 1355.900        | 28.77            | -17.55      | 54.0           | -25.23          | AV       | 162.00         | 150         | Horizontal | Pass    |
| 3   | 4208.200        | 47.27            | -5.08       | 74.0           | -26.73          | Peak     | 113.00         | 150         | Horizontal | Pass    |
| 3** | 4208.200        | 38.20            | -5.08       | 54.0           | -15.80          | AV       | 113.00         | 150         | Horizontal | Pass    |
| 4   | 5228.800        | 95.00            | -3.55       | --             | --              | Peak     | 252.00         | 150         | Horizontal | N/A     |
| 4** | 5228.800        | 87.81            | -3.55       | --             | --              | AV       | 252.00         | 150         | Horizontal | N/A     |
| 5   | 7489.900        | 48.38            | -1.82       | 74.0           | -25.62          | Peak     | 251.00         | 150         | Horizontal | Pass    |
| 5** | 7489.900        | 39.25            | -1.82       | 54.0           | -14.75          | AV       | 251.00         | 150         | Horizontal | Pass    |
| 6   | 12285.112       | 51.37            | 2.37        | 74.0           | -22.63          | Peak     | 128.00         | 150         | Horizontal | Pass    |
| 6** | 12285.112       | 42.01            | 2.37        | 54.0           | -11.99          | AV       | 128.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1167.100        | 37.09            | -18.51      | 74.0           | -36.91          | Peak     | 36.00          | 150         | Vertical | Pass    |
| 1** | 1167.100        | 27.18            | -18.51      | 54.0           | -26.82          | AV       | 36.00          | 150         | Vertical | Pass    |
| 2   | 1531.600        | 37.75            | -17.76      | 74.0           | -36.25          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 2** | 1531.600        | 28.08            | -17.76      | 54.0           | -25.92          | AV       | 207.00         | 150         | Vertical | Pass    |
| 3   | 4031.600        | 46.62            | -5.38       | 74.0           | -27.38          | Peak     | 271.00         | 150         | Vertical | Pass    |
| 3** | 4031.600        | 37.57            | -5.38       | 54.0           | -16.43          | AV       | 271.00         | 150         | Vertical | Pass    |
| 4   | 5231.400        | 94.35            | -3.59       | --             | --              | Peak     | 271.00         | 150         | Vertical | N/A     |
| 4** | 5231.400        | 86.88            | -3.59       | --             | --              | AV       | 271.00         | 150         | Vertical | N/A     |
| 5   | 7558.900        | 48.43            | -1.69       | 74.0           | -25.57          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 5** | 7558.900        | 39.53            | -1.69       | 54.0           | -14.47          | AV       | 200.00         | 150         | Vertical | Pass    |
| 6   | 12216.974       | 51.94            | 2.59        | 74.0           | -22.06          | Peak     | 169.00         | 150         | Vertical | Pass    |
| 6** | 12216.974       | 42.50            | 2.59        | 54.0           | -11.50          | AV       | 169.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1118.100        | 36.65            | -18.38      | 74.0           | -37.35          | Peak     | 301.00         | 150         | Horizontal | Pass    |
| 1** | 1118.100        | 28.06            | -18.38      | 54.0           | -25.94          | AV       | 301.00         | 150         | Horizontal | Pass    |
| 2   | 1344.200        | 38.53            | -17.66      | 74.0           | -35.47          | Peak     | 92.00          | 150         | Horizontal | Pass    |
| 2** | 1344.200        | 28.49            | -17.66      | 54.0           | -25.51          | AV       | 92.00          | 150         | Horizontal | Pass    |
| 3   | 4262.000        | 47.83            | -4.78       | 74.0           | -26.17          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 3** | 4262.000        | 38.12            | -4.78       | 54.0           | -15.88          | AV       | 267.00         | 150         | Horizontal | Pass    |
| 4   | 5178.600        | 99.99            | -3.14       | --             | --              | Peak     | 154.00         | 150         | Horizontal | N/A     |
| 4** | 5178.600        | 92.72            | -3.14       | --             | --              | AV       | 154.00         | 150         | Horizontal | N/A     |
| 5   | 8112.625        | 49.49            | -1.15       | 74.0           | -24.51          | Peak     | 180.00         | 150         | Horizontal | Pass    |
| 5** | 8112.625        | 39.46            | -1.15       | 54.0           | -14.54          | AV       | 180.00         | 150         | Horizontal | Pass    |
| 6   | 11651.750       | 51.98            | 2.55        | 74.0           | -22.02          | Peak     | 139.00         | 150         | Horizontal | Pass    |
| 6** | 11651.750       | 42.26            | 2.55        | 54.0           | -11.74          | AV       | 139.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1050.100        | 36.56            | -18.47      | 74.0           | -37.44          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 1** | 1050.100        | 27.13            | -18.47      | 54.0           | -26.87          | AV       | 284.00         | 150         | Vertical | Pass    |
| 2   | 1561.400        | 37.62            | -17.65      | 74.0           | -36.38          | Peak     | 268.00         | 150         | Vertical | Pass    |
| 2** | 1561.400        | 28.76            | -17.65      | 54.0           | -25.24          | AV       | 268.00         | 150         | Vertical | Pass    |
| 3   | 3787.400        | 46.55            | -5.50       | 74.0           | -27.45          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 3** | 3787.400        | 36.63            | -5.50       | 54.0           | -17.37          | AV       | 185.00         | 150         | Vertical | Pass    |
| 4   | 5181.000        | 97.47            | -3.18       | --             | --              | Peak     | 55.00          | 150         | Vertical | N/A     |
| 4** | 5181.000        | 90.13            | -3.18       | --             | --              | AV       | 55.00          | 150         | Vertical | N/A     |
| 5   | 8174.437        | 49.10            | -1.88       | 74.0           | -24.90          | Peak     | 57.00          | 150         | Vertical | Pass    |
| 5** | 8174.437        | 38.74            | -1.88       | 54.0           | -15.26          | AV       | 57.00          | 150         | Vertical | Pass    |
| 6   | 11650.888       | 51.34            | 2.55        | 74.0           | -22.66          | Peak     | 180.00         | 150         | Vertical | Pass    |
| 6** | 11650.888       | 41.92            | 2.55        | 54.0           | -12.08          | AV       | 180.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1118.300        | 37.05            | -18.38      | 74.0           | -36.95          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1118.300        | 27.69            | -18.38      | 54.0           | -26.31          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 1514.200        | 37.99            | -17.79      | 74.0           | -36.01          | Peak     | 2.00           | 150         | Horizontal | Pass    |
| 2** | 1514.200        | 28.73            | -17.79      | 54.0           | -25.27          | AV       | 2.00           | 150         | Horizontal | Pass    |
| 3   | 4233.800        | 47.83            | -5.10       | 74.0           | -26.17          | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 3** | 4233.800        | 38.29            | -5.10       | 54.0           | -15.71          | AV       | 129.00         | 150         | Horizontal | Pass    |
| 4   | 5222.000        | 98.84            | -3.44       | --             | --              | Peak     | 252.00         | 150         | Horizontal | N/A     |
| 4** | 5222.000        | 91.31            | -3.44       | --             | --              | AV       | 252.00         | 150         | Horizontal | N/A     |
| 5   | 7539.925        | 48.84            | -1.68       | 74.0           | -25.16          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7539.925        | 39.10            | -1.68       | 54.0           | -14.90          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 11631.050       | 52.15            | 2.35        | 74.0           | -21.85          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 6** | 11631.050       | 41.12            | 2.35        | 54.0           | -12.88          | AV       | 294.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1165.400        | 37.12            | -18.44      | 74.0           | -36.88          | Peak     | 92.00          | 150         | Vertical | Pass    |
| 1** | 1165.400        | 26.79            | -18.44      | 54.0           | -27.21          | AV       | 92.00          | 150         | Vertical | Pass    |
| 2   | 1505.700        | 37.49            | -17.82      | 74.0           | -36.51          | Peak     | 311.00         | 150         | Vertical | Pass    |
| 2** | 1505.700        | 28.89            | -17.82      | 54.0           | -25.11          | AV       | 311.00         | 150         | Vertical | Pass    |
| 3   | 4233.600        | 47.32            | -5.09       | 74.0           | -26.68          | Peak     | 225.00         | 150         | Vertical | Pass    |
| 3** | 4233.600        | 37.96            | -5.09       | 54.0           | -16.04          | AV       | 225.00         | 150         | Vertical | Pass    |
| 4   | 5222.400        | 96.95            | -3.45       | --             | --              | Peak     | 46.00          | 150         | Vertical | N/A     |
| 4** | 5222.400        | 90.19            | -3.45       | --             | --              | AV       | 46.00          | 150         | Vertical | N/A     |
| 5   | 7537.625        | 48.35            | -1.70       | 74.0           | -25.65          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 5** | 7537.625        | 39.56            | -1.70       | 54.0           | -14.44          | AV       | 194.00         | 150         | Vertical | Pass    |
| 6   | 12249.175       | 51.55            | 2.66        | 74.0           | -22.45          | Peak     | 27.00          | 150         | Vertical | Pass    |
| 6** | 12249.175       | 41.98            | 2.66        | 54.0           | -12.02          | AV       | 27.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1111.600        | 36.83            | -18.44      | 74.0           | -37.17          | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 1** | 1111.600        | 26.87            | -18.44      | 54.0           | -27.13          | AV       | 154.00         | 150         | Horizontal | Pass    |
| 2   | 1520.000        | 38.04            | -17.72      | 74.0           | -35.96          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 1520.000        | 28.66            | -17.72      | 54.0           | -25.34          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 4254.400        | 47.65            | -4.71       | 74.0           | -26.35          | Peak     | 291.00         | 150         | Horizontal | Pass    |
| 3** | 4254.400        | 38.36            | -4.71       | 54.0           | -15.64          | AV       | 291.00         | 150         | Horizontal | Pass    |
| 4   | 5241.000        | 98.07            | -3.70       | --             | --              | Peak     | 253.00         | 150         | Horizontal | N/A     |
| 4** | 5241.000        | 90.92            | -3.70       | --             | --              | AV       | 253.00         | 150         | Horizontal | N/A     |
| 5   | 7487.888        | 48.39            | -1.85       | 74.0           | -25.61          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7487.888        | 39.11            | -1.85       | 54.0           | -14.89          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 11646.000       | 51.43            | 2.51        | 74.0           | -22.57          | Peak     | 57.00          | 150         | Horizontal | Pass    |
| 6** | 11646.000       | 42.82            | 2.51        | 54.0           | -11.18          | AV       | 57.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1164.500        | 36.87            | -18.38      | 74.0           | -37.13          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1164.500        | 27.21            | -18.38      | 54.0           | -26.79          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 1366.600        | 37.66            | -17.56      | 74.0           | -36.34          | Peak     | 361.00         | 150         | Vertical | Pass    |
| 2** | 1366.600        | 29.01            | -17.56      | 54.0           | -24.99          | AV       | 361.00         | 150         | Vertical | Pass    |
| 3   | 4131.600        | 47.36            | -5.67       | 74.0           | -26.64          | Peak     | 294.00         | 150         | Vertical | Pass    |
| 3** | 4131.600        | 37.59            | -5.67       | 54.0           | -16.41          | AV       | 294.00         | 150         | Vertical | Pass    |
| 4   | 5241.800        | 96.92            | -3.71       | --             | --              | Peak     | 51.00          | 150         | Vertical | N/A     |
| 4** | 5241.800        | 89.81            | -3.71       | --             | --              | AV       | 51.00          | 150         | Vertical | N/A     |
| 5   | 7627.038        | 48.27            | -2.17       | 74.0           | -25.73          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 5** | 7627.038        | 38.72            | -2.17       | 54.0           | -15.28          | AV       | 47.00          | 150         | Vertical | Pass    |
| 6   | 11657.787       | 51.67            | 2.52        | 74.0           | -22.33          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 6** | 11657.787       | 42.75            | 2.52        | 54.0           | -11.25          | AV       | 7.00           | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1183.000        | 37.09            | -18.30      | 74.0           | -36.91          | Peak     | 91.00          | 150         | Horizontal | Pass    |
| 1** | 1183.000        | 28.22            | -18.30      | 54.0           | -25.78          | AV       | 91.00          | 150         | Horizontal | Pass    |
| 2   | 1581.700        | 38.42            | -17.56      | 74.0           | -35.58          | Peak     | 313.00         | 150         | Horizontal | Pass    |
| 2** | 1581.700        | 28.64            | -17.56      | 54.0           | -25.36          | AV       | 313.00         | 150         | Horizontal | Pass    |
| 3   | 4044.000        | 47.47            | -5.39       | 74.0           | -26.53          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 3** | 4044.000        | 37.51            | -5.39       | 54.0           | -16.49          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 4   | 5192.000        | 97.15            | -3.25       | --             | --              | Peak     | 159.00         | 150         | Horizontal | N/A     |
| 4** | 5192.000        | 89.34            | -3.25       | --             | --              | AV       | 159.00         | 150         | Horizontal | N/A     |
| 5   | 7555.450        | 48.07            | -1.61       | 74.0           | -25.93          | Peak     | 171.00         | 150         | Horizontal | Pass    |
| 5** | 7555.450        | 39.57            | -1.61       | 54.0           | -14.43          | AV       | 171.00         | 150         | Horizontal | Pass    |
| 6   | 12236.237       | 51.83            | 2.63        | 74.0           | -22.17          | Peak     | 314.00         | 150         | Horizontal | Pass    |
| 6** | 12236.237       | 42.56            | 2.63        | 54.0           | -11.44          | AV       | 314.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1211.100        | 37.70            | -17.97      | 74.0           | -36.30          | Peak     | 270.00         | 150         | Vertical | Pass    |
| 1** | 1211.100        | 28.19            | -17.97      | 54.0           | -25.81          | AV       | 270.00         | 150         | Vertical | Pass    |
| 2   | 1512.200        | 37.77            | -17.81      | 74.0           | -36.23          | Peak     | 254.00         | 150         | Vertical | Pass    |
| 2** | 1512.200        | 28.19            | -17.81      | 54.0           | -25.81          | AV       | 254.00         | 150         | Vertical | Pass    |
| 3   | 4228.800        | 47.29            | -4.90       | 74.0           | -26.71          | Peak     | 84.00          | 150         | Vertical | Pass    |
| 3** | 4228.800        | 37.25            | -4.90       | 54.0           | -16.75          | AV       | 84.00          | 150         | Vertical | Pass    |
| 4   | 5187.200        | 93.94            | -3.15       | --             | --              | Peak     | 47.00          | 150         | Vertical | N/A     |
| 4** | 5187.200        | 86.37            | -3.15       | --             | --              | AV       | 47.00          | 150         | Vertical | N/A     |
| 5   | 7547.400        | 48.04            | -1.58       | 74.0           | -25.96          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 5** | 7547.400        | 40.33            | -1.58       | 54.0           | -13.67          | AV       | 108.00         | 150         | Vertical | Pass    |
| 6   | 12221.000       | 51.66            | 2.60        | 74.0           | -22.34          | Peak     | 351.00         | 150         | Vertical | Pass    |
| 6** | 12221.000       | 42.05            | 2.60        | 54.0           | -11.95          | AV       | 351.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1154.000        | 36.69            | -18.42      | 74.0           | -37.31          | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 1** | 1154.000        | 27.64            | -18.42      | 54.0           | -26.36          | AV       | 257.00         | 150         | Horizontal | Pass    |
| 2   | 1584.400        | 38.43            | -17.66      | 74.0           | -35.57          | Peak     | 3.00           | 150         | Horizontal | Pass    |
| 2** | 1584.400        | 28.54            | -17.66      | 54.0           | -25.46          | AV       | 3.00           | 150         | Horizontal | Pass    |
| 3   | 4239.600        | 47.33            | -5.08       | 74.0           | -26.67          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4239.600        | 38.76            | -5.08       | 54.0           | -15.24          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5235.400        | 95.22            | -3.66       | --             | --              | Peak     | 152.00         | 150         | Horizontal | N/A     |
| 4** | 5235.400        | 86.95            | -3.66       | --             | --              | AV       | 152.00         | 150         | Horizontal | N/A     |
| 5   | 7538.200        | 48.70            | -1.69       | 74.0           | -25.30          | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 5** | 7538.200        | 39.48            | -1.69       | 54.0           | -14.52          | AV       | 261.00         | 150         | Horizontal | Pass    |
| 6   | 11650.600       | 51.78            | 2.55        | 74.0           | -22.22          | Peak     | 291.00         | 150         | Horizontal | Pass    |
| 6** | 11650.600       | 42.55            | 2.55        | 54.0           | -11.45          | AV       | 291.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1048.900        | 36.73            | -18.45      | 74.0           | -37.27          | Peak     | 4.00           | 150         | Vertical | Pass    |
| 1** | 1048.900        | 26.92            | -18.45      | 54.0           | -27.08          | AV       | 4.00           | 150         | Vertical | Pass    |
| 2   | 1511.900        | 38.49            | -17.80      | 74.0           | -35.51          | Peak     | 330.00         | 150         | Vertical | Pass    |
| 2** | 1511.900        | 28.37            | -17.80      | 54.0           | -25.63          | AV       | 330.00         | 150         | Vertical | Pass    |
| 3   | 4270.000        | 47.83            | -4.82       | 74.0           | -26.17          | Peak     | 159.00         | 150         | Vertical | Pass    |
| 3** | 4270.000        | 38.59            | -4.82       | 54.0           | -15.41          | AV       | 159.00         | 150         | Vertical | Pass    |
| 4   | 5227.600        | 94.01            | -3.50       | --             | --              | Peak     | 47.00          | 150         | Vertical | N/A     |
| 4** | 5227.600        | 87.11            | -3.50       | --             | --              | AV       | 47.00          | 150         | Vertical | N/A     |
| 5   | 7552.575        | 48.61            | -1.56       | 74.0           | -25.39          | Peak     | 27.00          | 150         | Vertical | Pass    |
| 5** | 7552.575        | 39.51            | -1.56       | 54.0           | -14.49          | AV       | 27.00          | 150         | Vertical | Pass    |
| 6   | 11650.600       | 51.38            | 2.55        | 74.0           | -22.62          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 6** | 11650.600       | 42.03            | 2.55        | 54.0           | -11.97          | AV       | 200.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1066.000        | 36.96            | -18.64      | 74.0           | -37.04          | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 1** | 1066.000        | 27.53            | -18.64      | 54.0           | -26.47          | AV       | 268.00         | 150         | Horizontal | Pass    |
| 2   | 1384.300        | 37.97            | -17.51      | 74.0           | -36.03          | Peak     | 226.00         | 150         | Horizontal | Pass    |
| 2** | 1384.300        | 28.26            | -17.51      | 54.0           | -25.74          | AV       | 226.00         | 150         | Horizontal | Pass    |
| 3   | 4196.800        | 47.53            | -5.26       | 74.0           | -26.47          | Peak     | 177.00         | 150         | Horizontal | Pass    |
| 3** | 4196.800        | 37.58            | -5.26       | 54.0           | -16.42          | AV       | 177.00         | 150         | Horizontal | Pass    |
| 4   | 5202.800        | 94.50            | -3.36       | --             | --              | Peak     | 149.00         | 150         | Horizontal | N/A     |
| 4** | 5202.800        | 87.35            | -3.36       | --             | --              | AV       | 149.00         | 150         | Horizontal | N/A     |
| 5   | 7552.288        | 48.50            | -1.56       | 74.0           | -25.50          | Peak     | 6.00           | 150         | Horizontal | Pass    |
| 5** | 7552.288        | 39.70            | -1.56       | 54.0           | -14.30          | AV       | 6.00           | 150         | Horizontal | Pass    |
| 6   | 11651.750       | 51.68            | 2.55        | 74.0           | -22.32          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 11651.750       | 42.47            | 2.55        | 54.0           | -11.53          | AV       | 0.00           | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1121.700        | 36.54            | -18.30      | 74.0           | -37.46          | Peak     | 36.00          | 150         | Vertical | Pass    |
| 1** | 1121.700        | 27.49            | -18.30      | 54.0           | -26.51          | AV       | 36.00          | 150         | Vertical | Pass    |
| 2   | 1394.000        | 38.75            | -17.53      | 74.0           | -35.25          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1394.000        | 28.64            | -17.53      | 54.0           | -25.36          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4210.000        | 47.31            | -5.02       | 74.0           | -26.69          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 3** | 4210.000        | 38.27            | -5.02       | 54.0           | -15.73          | AV       | 47.00          | 150         | Vertical | Pass    |
| 4   | 5208.200        | 92.50            | -3.41       | --             | --              | Peak     | 47.00          | 150         | Vertical | N/A     |
| 4** | 5208.200        | 85.27            | -3.41       | --             | --              | AV       | 47.00          | 150         | Vertical | N/A     |
| 5   | 7605.475        | 48.50            | -2.29       | 74.0           | -25.50          | Peak     | 359.00         | 150         | Vertical | Pass    |
| 5** | 7605.475        | 38.76            | -2.29       | 54.0           | -15.24          | AV       | 359.00         | 150         | Vertical | Pass    |
| 6   | 12237.674       | 51.99            | 2.64        | 74.0           | -22.01          | Peak     | 68.00          | 150         | Vertical | Pass    |
| 6** | 12237.674       | 41.54            | 2.64        | 54.0           | -12.46          | AV       | 68.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1143.300        | 36.93            | -18.38      | 74.0           | -37.07          | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 1** | 1143.300        | 27.24            | -18.38      | 54.0           | -26.76          | AV       | 55.00          | 150         | Horizontal | Pass    |
| 2   | 1571.600        | 38.53            | -17.59      | 74.0           | -35.47          | Peak     | 116.00         | 150         | Horizontal | Pass    |
| 2** | 1571.600        | 28.08            | -17.59      | 54.0           | -25.92          | AV       | 116.00         | 150         | Horizontal | Pass    |
| 3   | 4259.200        | 47.58            | -4.75       | 74.0           | -26.42          | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 3** | 4259.200        | 38.06            | -4.75       | 54.0           | -15.94          | AV       | 64.00          | 150         | Horizontal | Pass    |
| 4   | 5744.000        | 99.63            | -3.59       | --             | --              | Peak     | 164.00         | 150         | Horizontal | N/A     |
| 4** | 5744.000        | 92.81            | -3.59       | --             | --              | AV       | 164.00         | 150         | Horizontal | N/A     |
| 5   | 7559.763        | 47.71            | -1.74       | 74.0           | -26.29          | Peak     | 255.00         | 150         | Horizontal | Pass    |
| 5** | 7559.763        | 39.58            | -1.74       | 54.0           | -14.42          | AV       | 255.00         | 150         | Horizontal | Pass    |
| 6   | 11686.537       | 51.73            | 2.41        | 74.0           | -22.27          | Peak     | 235.00         | 150         | Horizontal | Pass    |
| 6** | 11686.537       | 42.05            | 2.41        | 54.0           | -11.95          | AV       | 235.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1199.200        | 37.21            | -18.17      | 74.0           | -36.79          | Peak     | 190.00         | 150         | Vertical | Pass    |
| 1** | 1199.200        | 27.54            | -18.17      | 54.0           | -26.46          | AV       | 190.00         | 150         | Vertical | Pass    |
| 2   | 1574.000        | 38.06            | -17.56      | 74.0           | -35.94          | Peak     | 33.00          | 150         | Vertical | Pass    |
| 2** | 1574.000        | 29.16            | -17.56      | 54.0           | -24.84          | AV       | 33.00          | 150         | Vertical | Pass    |
| 3   | 4250.800        | 47.78            | -4.71       | 74.0           | -26.22          | Peak     | 188.00         | 150         | Vertical | Pass    |
| 3** | 4250.800        | 37.96            | -4.71       | 54.0           | -16.04          | AV       | 188.00         | 150         | Vertical | Pass    |
| 4   | 5746.600        | 93.24            | -3.59       | --             | --              | Peak     | 66.00          | 150         | Vertical | N/A     |
| 4** | 5746.600        | 85.51            | -3.59       | --             | --              | AV       | 66.00          | 150         | Vertical | N/A     |
| 5   | 7603.750        | 48.85            | -2.34       | 74.0           | -25.15          | Peak     | 308.00         | 150         | Vertical | Pass    |
| 5** | 7603.750        | 40.09            | -2.34       | 54.0           | -13.91          | AV       | 308.00         | 150         | Vertical | Pass    |
| 6   | 11675.037       | 51.14            | 2.46        | 74.0           | -22.86          | Peak     | 53.00          | 150         | Vertical | Pass    |
| 6** | 11675.037       | 42.52            | 2.46        | 54.0           | -11.48          | AV       | 53.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1078.400        | 36.59            | -18.71      | 74.0           | -37.41          | Peak     | 99.00          | 150         | Horizontal | Pass    |
| 1** | 1078.400        | 26.53            | -18.71      | 54.0           | -27.47          | AV       | 99.00          | 150         | Horizontal | Pass    |
| 2   | 1516.900        | 38.16            | -17.75      | 74.0           | -35.84          | Peak     | 145.00         | 150         | Horizontal | Pass    |
| 2** | 1516.900        | 28.71            | -17.75      | 54.0           | -25.29          | AV       | 145.00         | 150         | Horizontal | Pass    |
| 3   | 3758.600        | 46.53            | -6.72       | 74.0           | -27.47          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 3758.600        | 36.03            | -6.72       | 54.0           | -17.97          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5782.200        | 100.49           | -3.09       | --             | --              | Peak     | 161.00         | 150         | Horizontal | N/A     |
| 4** | 5782.200        | 93.11            | -3.09       | --             | --              | AV       | 161.00         | 150         | Horizontal | N/A     |
| 5   | 7562.350        | 48.39            | -1.83       | 74.0           | -25.61          | Peak     | 62.00          | 150         | Horizontal | Pass    |
| 5** | 7562.350        | 39.05            | -1.83       | 54.0           | -14.95          | AV       | 62.00          | 150         | Horizontal | Pass    |
| 6   | 12292.013       | 51.86            | 2.34        | 74.0           | -22.14          | Peak     | 30.00          | 150         | Horizontal | Pass    |
| 6** | 12292.013       | 42.16            | 2.34        | 54.0           | -11.84          | AV       | 30.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1205.100        | 37.05            | -18.18      | 74.0           | -36.95          | Peak     | 268.00         | 150         | Vertical | Pass    |
| 1** | 1205.100        | 27.64            | -18.18      | 54.0           | -26.36          | AV       | 268.00         | 150         | Vertical | Pass    |
| 2   | 1553.000        | 37.69            | -17.70      | 74.0           | -36.31          | Peak     | 257.00         | 150         | Vertical | Pass    |
| 2** | 1553.000        | 27.94            | -17.70      | 54.0           | -26.06          | AV       | 257.00         | 150         | Vertical | Pass    |
| 3   | 4203.800        | 47.27            | -5.17       | 74.0           | -26.73          | Peak     | 117.00         | 150         | Vertical | Pass    |
| 3** | 4203.800        | 38.05            | -5.17       | 54.0           | -15.95          | AV       | 117.00         | 150         | Vertical | Pass    |
| 4   | 5783.600        | 95.28            | -3.05       | --             | --              | Peak     | 275.00         | 150         | Vertical | N/A     |
| 4** | 5783.600        | 87.32            | -3.05       | --             | --              | AV       | 275.00         | 150         | Vertical | N/A     |
| 5   | 7476.962        | 48.31            | -1.96       | 74.0           | -25.69          | Peak     | 172.00         | 150         | Vertical | Pass    |
| 5** | 7476.962        | 38.76            | -1.96       | 54.0           | -15.24          | AV       | 172.00         | 150         | Vertical | Pass    |
| 6   | 12216.112       | 51.81            | 2.59        | 74.0           | -22.19          | Peak     | 151.00         | 150         | Vertical | Pass    |
| 6** | 12216.112       | 41.98            | 2.59        | 54.0           | -12.02          | AV       | 151.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1129.100        | 36.87            | -18.38      | 74.0           | -37.13          | Peak     | 182.00         | 150         | Horizontal | Pass    |
| 1** | 1129.100        | 27.67            | -18.38      | 54.0           | -26.33          | AV       | 182.00         | 150         | Horizontal | Pass    |
| 2   | 1557.500        | 37.72            | -17.73      | 74.0           | -36.28          | Peak     | 230.00         | 150         | Horizontal | Pass    |
| 2** | 1557.500        | 28.22            | -17.73      | 54.0           | -25.78          | AV       | 230.00         | 150         | Horizontal | Pass    |
| 3   | 4088.400        | 47.36            | -4.96       | 74.0           | -26.64          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4088.400        | 37.29            | -4.96       | 54.0           | -16.71          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5826.600        | 99.92            | -2.74       | --             | --              | Peak     | 188.00         | 150         | Horizontal | N/A     |
| 4** | 5826.600        | 93.13            | -2.74       | --             | --              | AV       | 188.00         | 150         | Horizontal | N/A     |
| 5   | 7533.887        | 47.92            | -1.72       | 74.0           | -26.08          | Peak     | 259.00         | 150         | Horizontal | Pass    |
| 5** | 7533.887        | 38.63            | -1.72       | 54.0           | -15.37          | AV       | 259.00         | 150         | Horizontal | Pass    |
| 6   | 11722.762       | 51.51            | 1.96        | 74.0           | -22.49          | Peak     | 361.00         | 150         | Horizontal | Pass    |
| 6** | 11722.762       | 41.61            | 1.96        | 54.0           | -12.39          | AV       | 361.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1197.800        | 37.55            | -18.18      | 74.0           | -36.45          | Peak     | 26.00          | 150         | Vertical | Pass    |
| 1** | 1197.800        | 27.88            | -18.18      | 54.0           | -26.12          | AV       | 26.00          | 150         | Vertical | Pass    |
| 2   | 1538.900        | 37.89            | -17.75      | 74.0           | -36.11          | Peak     | 286.00         | 150         | Vertical | Pass    |
| 2** | 1538.900        | 28.73            | -17.75      | 54.0           | -25.27          | AV       | 286.00         | 150         | Vertical | Pass    |
| 3   | 3944.800        | 46.98            | -6.27       | 74.0           | -27.02          | Peak     | 314.00         | 150         | Vertical | Pass    |
| 3** | 3944.800        | 36.46            | -6.27       | 54.0           | -17.54          | AV       | 314.00         | 150         | Vertical | Pass    |
| 4   | 5827.000        | 95.64            | -2.74       | --             | --              | Peak     | 174.00         | 150         | Vertical | N/A     |
| 4** | 5827.000        | 88.03            | -2.74       | --             | --              | AV       | 174.00         | 150         | Vertical | N/A     |
| 5   | 7389.562        | 48.43            | -1.73       | 74.0           | -25.57          | Peak     | 294.00         | 150         | Vertical | Pass    |
| 5** | 7389.562        | 39.86            | -1.73       | 54.0           | -14.14          | AV       | 294.00         | 150         | Vertical | Pass    |
| 6   | 12223.875       | 52.46            | 2.61        | 74.0           | -21.54          | Peak     | 183.00         | 150         | Vertical | Pass    |
| 6** | 12223.875       | 41.90            | 2.61        | 54.0           | -12.10          | AV       | 183.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1131.800        | 37.58            | -18.34      | 74.0           | -36.42          | Peak     | 310.00         | 150         | Horizontal | Pass    |
| 1** | 1131.800        | 27.56            | -18.34      | 54.0           | -26.44          | AV       | 310.00         | 150         | Horizontal | Pass    |
| 2   | 1527.400        | 37.87            | -17.73      | 74.0           | -36.13          | Peak     | 352.00         | 150         | Horizontal | Pass    |
| 2** | 1527.400        | 28.06            | -17.73      | 54.0           | -25.94          | AV       | 352.00         | 150         | Horizontal | Pass    |
| 3   | 4262.400        | 47.94            | -4.80       | 74.0           | -26.06          | Peak     | 351.00         | 150         | Horizontal | Pass    |
| 3** | 4262.400        | 38.11            | -4.80       | 54.0           | -15.89          | AV       | 351.00         | 150         | Horizontal | Pass    |
| 4   | 5746.600        | 99.35            | -3.59       | --             | --              | Peak     | 159.00         | 150         | Horizontal | N/A     |
| 4** | 5746.600        | 92.66            | -3.59       | --             | --              | AV       | 159.00         | 150         | Horizontal | N/A     |
| 5   | 7616.112        | 48.29            | -2.26       | 74.0           | -25.71          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 5** | 7616.112        | 38.88            | -2.26       | 54.0           | -15.12          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 6   | 12203.175       | 51.35            | 2.56        | 74.0           | -22.65          | Peak     | 281.00         | 150         | Horizontal | Pass    |
| 6** | 12203.175       | 41.66            | 2.56        | 54.0           | -12.34          | AV       | 281.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1161.700        | 37.51            | -18.40      | 74.0           | -36.49          | Peak     | 337.00         | 150         | Vertical | Pass    |
| 1** | 1161.700        | 27.26            | -18.40      | 54.0           | -26.74          | AV       | 337.00         | 150         | Vertical | Pass    |
| 2   | 1585.700        | 38.04            | -17.67      | 74.0           | -35.96          | Peak     | 151.00         | 150         | Vertical | Pass    |
| 2** | 1585.700        | 28.44            | -17.67      | 54.0           | -25.56          | AV       | 151.00         | 150         | Vertical | Pass    |
| 3   | 4267.800        | 48.27            | -4.82       | 74.0           | -25.73          | Peak     | 280.00         | 150         | Vertical | Pass    |
| 3** | 4267.800        | 37.83            | -4.82       | 54.0           | -16.17          | AV       | 280.00         | 150         | Vertical | Pass    |
| 4   | 5742.800        | 93.90            | -3.61       | --             | --              | Peak     | 65.00          | 150         | Vertical | N/A     |
| 4** | 5742.800        | 85.84            | -3.61       | --             | --              | AV       | 65.00          | 150         | Vertical | N/A     |
| 5   | 7552.575        | 48.29            | -1.56       | 74.0           | -25.71          | Peak     | 83.00          | 150         | Vertical | Pass    |
| 5** | 7552.575        | 39.76            | -1.56       | 54.0           | -14.24          | AV       | 83.00          | 150         | Vertical | Pass    |
| 6   | 11702.062       | 51.34            | 2.27        | 74.0           | -22.66          | Peak     | 273.00         | 150         | Vertical | Pass    |
| 6** | 11702.062       | 42.49            | 2.27        | 54.0           | -11.51          | AV       | 273.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1115.600        | 38.08            | -18.49      | 74.0           | -35.92          | Peak     | 254.00         | 150         | Horizontal | Pass    |
| 1** | 1115.600        | 26.82            | -18.49      | 54.0           | -27.18          | AV       | 254.00         | 150         | Horizontal | Pass    |
| 2   | 1586.500        | 38.27            | -17.64      | 74.0           | -35.73          | Peak     | 238.00         | 150         | Horizontal | Pass    |
| 2** | 1586.500        | 28.32            | -17.64      | 54.0           | -25.68          | AV       | 238.00         | 150         | Horizontal | Pass    |
| 3   | 4223.400        | 47.73            | -4.73       | 74.0           | -26.27          | Peak     | 217.00         | 150         | Horizontal | Pass    |
| 3** | 4223.400        | 38.33            | -4.73       | 54.0           | -15.67          | AV       | 217.00         | 150         | Horizontal | Pass    |
| 4   | 5786.800        | 101.24           | -2.98       | --             | --              | Peak     | 167.00         | 150         | Horizontal | N/A     |
| 4** | 5786.800        | 93.88            | -2.98       | --             | --              | AV       | 167.00         | 150         | Horizontal | N/A     |
| 5   | 7389.562        | 48.86            | -1.73       | 74.0           | -25.14          | Peak     | 133.00         | 150         | Horizontal | Pass    |
| 5** | 7389.562        | 39.27            | -1.73       | 54.0           | -14.73          | AV       | 133.00         | 150         | Horizontal | Pass    |
| 6   | 11574.412       | 51.33            | 1.70        | 74.0           | -22.67          | Peak     | 251.00         | 150         | Horizontal | Pass    |
| 6** | 11574.412       | 41.36            | 1.70        | 54.0           | -12.64          | AV       | 251.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1113.100        | 36.63            | -18.50      | 74.0           | -37.37          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1113.100        | 27.35            | -18.50      | 54.0           | -26.65          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 1526.300        | 37.81            | -17.74      | 74.0           | -36.19          | Peak     | 259.00         | 150         | Vertical | Pass    |
| 2** | 1526.300        | 28.84            | -17.74      | 54.0           | -25.16          | AV       | 259.00         | 150         | Vertical | Pass    |
| 3   | 4071.800        | 46.84            | -5.36       | 74.0           | -27.16          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4071.800        | 36.79            | -5.36       | 54.0           | -17.21          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5786.600        | 94.15            | -2.99       | --             | --              | Peak     | 279.00         | 150         | Vertical | N/A     |
| 4** | 5786.600        | 86.43            | -2.99       | --             | --              | AV       | 279.00         | 150         | Vertical | N/A     |
| 5   | 7545.962        | 48.45            | -1.58       | 74.0           | -25.55          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 5** | 7545.962        | 39.85            | -1.58       | 54.0           | -14.15          | AV       | 338.00         | 150         | Vertical | Pass    |
| 6   | 11743.175       | 51.88            | 1.65        | 74.0           | -22.12          | Peak     | 24.00          | 150         | Vertical | Pass    |
| 6** | 11743.175       | 41.98            | 1.65        | 54.0           | -12.02          | AV       | 24.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1182.600        | 37.18            | -18.32      | 74.0           | -36.82          | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 1** | 1182.600        | 28.70            | -18.32      | 54.0           | -25.30          | AV       | 55.00          | 150         | Horizontal | Pass    |
| 2   | 1552.800        | 37.54            | -17.69      | 74.0           | -36.46          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 2** | 1552.800        | 28.98            | -17.69      | 54.0           | -25.02          | AV       | 333.00         | 150         | Horizontal | Pass    |
| 3   | 4138.200        | 47.75            | -5.50       | 74.0           | -26.25          | Peak     | 38.00          | 150         | Horizontal | Pass    |
| 3** | 4138.200        | 37.70            | -5.50       | 54.0           | -16.30          | AV       | 38.00          | 150         | Horizontal | Pass    |
| 4   | 5826.600        | 99.73            | -2.74       | --             | --              | Peak     | 172.00         | 150         | Horizontal | N/A     |
| 4** | 5826.600        | 91.64            | -2.74       | --             | --              | AV       | 172.00         | 150         | Horizontal | N/A     |
| 5   | 7568.100        | 48.15            | -2.03       | 74.0           | -25.85          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7568.100        | 37.76            | -2.03       | 54.0           | -16.24          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11668.138       | 51.33            | 2.48        | 74.0           | -22.67          | Peak     | 137.00         | 150         | Horizontal | Pass    |
| 6** | 11668.138       | 42.44            | 2.48        | 54.0           | -11.56          | AV       | 137.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1182.500        | 37.71            | -18.32      | 74.0           | -36.29          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 1** | 1182.500        | 28.72            | -18.32      | 54.0           | -25.28          | AV       | 220.00         | 150         | Vertical | Pass    |
| 2   | 1545.000        | 37.76            | -17.81      | 74.0           | -36.24          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 2** | 1545.000        | 28.57            | -17.81      | 54.0           | -25.43          | AV       | 220.00         | 150         | Vertical | Pass    |
| 3   | 4244.800        | 47.68            | -4.87       | 74.0           | -26.32          | Peak     | 165.00         | 150         | Vertical | Pass    |
| 3** | 4244.800        | 38.25            | -4.87       | 54.0           | -15.75          | AV       | 165.00         | 150         | Vertical | Pass    |
| 4   | 5826.800        | 95.45            | -2.74       | --             | --              | Peak     | 270.00         | 150         | Vertical | N/A     |
| 4** | 5826.800        | 88.62            | -2.74       | --             | --              | AV       | 270.00         | 150         | Vertical | N/A     |
| 5   | 7539.925        | 48.43            | -1.68       | 74.0           | -25.57          | Peak     | 152.00         | 150         | Vertical | Pass    |
| 5** | 7539.925        | 39.03            | -1.68       | 54.0           | -14.97          | AV       | 152.00         | 150         | Vertical | Pass    |
| 6   | 11658.362       | 51.01            | 2.52        | 74.0           | -22.99          | Peak     | 352.00         | 150         | Vertical | Pass    |
| 6** | 11658.362       | 43.03            | 2.52        | 54.0           | -10.97          | AV       | 352.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1173.200        | 37.31            | -18.43      | 74.0           | -36.69          | Peak     | 280.00         | 150         | Horizontal | Pass    |
| 1** | 1173.200        | 27.23            | -18.43      | 54.0           | -26.77          | AV       | 280.00         | 150         | Horizontal | Pass    |
| 2   | 1545.200        | 38.74            | -17.81      | 74.0           | -35.26          | Peak     | 213.00         | 150         | Horizontal | Pass    |
| 2** | 1545.200        | 28.31            | -17.81      | 54.0           | -25.69          | AV       | 213.00         | 150         | Horizontal | Pass    |
| 3   | 4290.400        | 47.07            | -4.78       | 74.0           | -26.93          | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 3** | 4290.400        | 38.61            | -4.78       | 54.0           | -15.39          | AV       | 127.00         | 150         | Horizontal | Pass    |
| 4   | 5753.000        | 97.05            | -3.50       | --             | --              | Peak     | 168.00         | 150         | Horizontal | N/A     |
| 4** | 5753.000        | 89.79            | -3.50       | --             | --              | AV       | 168.00         | 150         | Horizontal | N/A     |
| 5   | 7538.775        | 48.37            | -1.69       | 74.0           | -25.63          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7538.775        | 39.30            | -1.69       | 54.0           | -14.70          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11666.125       | 52.49            | 2.49        | 74.0           | -21.51          | Peak     | 211.00         | 150         | Horizontal | Pass    |
| 6** | 11666.125       | 43.14            | 2.49        | 54.0           | -10.86          | AV       | 211.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1115.500        | 36.99            | -18.49      | 74.0           | -37.01          | Peak     | 347.00         | 150         | Vertical | Pass    |
| 1** | 1115.500        | 26.44            | -18.49      | 54.0           | -27.56          | AV       | 347.00         | 150         | Vertical | Pass    |
| 2   | 1591.900        | 38.09            | -17.80      | 74.0           | -35.91          | Peak     | 309.00         | 150         | Vertical | Pass    |
| 2** | 1591.900        | 27.54            | -17.80      | 54.0           | -26.46          | AV       | 309.00         | 150         | Vertical | Pass    |
| 3   | 4259.000        | 48.19            | -4.76       | 74.0           | -25.81          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 3** | 4259.000        | 38.48            | -4.76       | 54.0           | -15.52          | AV       | 207.00         | 150         | Vertical | Pass    |
| 4   | 5752.600        | 90.05            | -3.51       | --             | --              | Peak     | 66.00          | 150         | Vertical | N/A     |
| 4** | 5752.600        | 82.53            | -3.51       | --             | --              | AV       | 66.00          | 150         | Vertical | N/A     |
| 5   | 7546.537        | 49.03            | -1.58       | 74.0           | -24.97          | Peak     | 294.00         | 150         | Vertical | Pass    |
| 5** | 7546.537        | 39.50            | -1.58       | 54.0           | -14.50          | AV       | 294.00         | 150         | Vertical | Pass    |
| 6   | 11690.849       | 51.15            | 2.38        | 74.0           | -22.85          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 11690.849       | 42.72            | 2.38        | 54.0           | -11.28          | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1128.700        | 36.23            | -18.40      | 74.0           | -37.77          | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 1** | 1128.700        | 27.16            | -18.40      | 54.0           | -26.84          | AV       | 309.00         | 150         | Horizontal | Pass    |
| 2   | 1573.300        | 37.51            | -17.57      | 74.0           | -36.49          | Peak     | 255.00         | 150         | Horizontal | Pass    |
| 2** | 1573.300        | 28.44            | -17.57      | 54.0           | -25.56          | AV       | 255.00         | 150         | Horizontal | Pass    |
| 3   | 4011.000        | 47.46            | -5.82       | 74.0           | -26.54          | Peak     | 204.00         | 150         | Horizontal | Pass    |
| 3** | 4011.000        | 36.87            | -5.82       | 54.0           | -17.13          | AV       | 204.00         | 150         | Horizontal | Pass    |
| 4   | 5797.000        | 97.94            | -2.72       | --             | --              | Peak     | 159.00         | 150         | Horizontal | N/A     |
| 4** | 5797.000        | 90.41            | -2.72       | --             | --              | AV       | 159.00         | 150         | Horizontal | N/A     |
| 5   | 7552.575        | 47.80            | -1.56       | 74.0           | -26.20          | Peak     | 350.00         | 150         | Horizontal | Pass    |
| 5** | 7552.575        | 39.24            | -1.56       | 54.0           | -14.76          | AV       | 350.00         | 150         | Horizontal | Pass    |
| 6   | 11625.012       | 51.33            | 2.28        | 74.0           | -22.67          | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 6** | 11625.012       | 41.94            | 2.28        | 54.0           | -12.06          | AV       | 246.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1213.400        | 37.47            | -17.95      | 74.0           | -36.53          | Peak     | 19.00          | 150         | Vertical | Pass    |
| 1** | 1213.400        | 27.79            | -17.95      | 54.0           | -26.21          | AV       | 19.00          | 150         | Vertical | Pass    |
| 2   | 1572.200        | 38.41            | -17.58      | 74.0           | -35.59          | Peak     | 89.00          | 150         | Vertical | Pass    |
| 2** | 1572.200        | 28.12            | -17.58      | 54.0           | -25.88          | AV       | 89.00          | 150         | Vertical | Pass    |
| 3   | 5061.000        | 49.34            | -2.89       | 74.0           | -24.66          | Peak     | 25.00          | 150         | Vertical | Pass    |
| 3** | 5061.000        | 39.29            | -2.89       | 54.0           | -14.71          | AV       | 25.00          | 150         | Vertical | Pass    |
| 4   | 5798.200        | 92.09            | -2.70       | --             | --              | Peak     | 267.00         | 150         | Vertical | N/A     |
| 4** | 5798.200        | 84.26            | -2.70       | --             | --              | AV       | 267.00         | 150         | Vertical | N/A     |
| 5   | 7554.300        | 48.42            | -1.56       | 74.0           | -25.58          | Peak     | 8.00           | 150         | Vertical | Pass    |
| 5** | 7554.300        | 39.40            | -1.56       | 54.0           | -14.60          | AV       | 8.00           | 150         | Vertical | Pass    |
| 6   | 12209.787       | 51.44            | 2.58        | 74.0           | -22.56          | Peak     | 155.00         | 150         | Vertical | Pass    |
| 6** | 12209.787       | 42.21            | 2.58        | 54.0           | -11.79          | AV       | 155.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1134.800        | 36.71            | -18.25      | 74.0           | -37.29          | Peak     | 15.00          | 150         | Horizontal | Pass    |
| 1** | 1134.800        | 27.05            | -18.25      | 54.0           | -26.95          | AV       | 15.00          | 150         | Horizontal | Pass    |
| 2   | 1523.700        | 37.83            | -17.67      | 74.0           | -36.17          | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 2** | 1523.700        | 28.81            | -17.67      | 54.0           | -25.19          | AV       | 90.00          | 150         | Horizontal | Pass    |
| 3   | 4237.000        | 47.27            | -5.15       | 74.0           | -26.73          | Peak     | -1.00          | 150         | Horizontal | Pass    |
| 3** | 4237.000        | 37.94            | -5.15       | 54.0           | -16.06          | AV       | -1.00          | 150         | Horizontal | Pass    |
| 4   | 5743.600        | 99.29            | -3.60       | --             | --              | Peak     | 182.00         | 150         | Horizontal | N/A     |
| 4** | 5743.600        | 92.12            | -3.60       | --             | --              | AV       | 182.00         | 150         | Horizontal | N/A     |
| 5   | 7547.400        | 48.10            | -1.58       | 74.0           | -25.90          | Peak     | 199.00         | 150         | Horizontal | Pass    |
| 5** | 7547.400        | 39.58            | -1.58       | 54.0           | -14.42          | AV       | 199.00         | 150         | Horizontal | Pass    |
| 6   | 11678.775       | 51.17            | 2.44        | 74.0           | -22.83          | Peak     | 199.00         | 150         | Horizontal | Pass    |
| 6** | 11678.775       | 42.61            | 2.44        | 54.0           | -11.39          | AV       | 199.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1183.000        | 36.79            | -18.30      | 74.0           | -37.21          | Peak     | 290.00         | 150         | Vertical | Pass    |
| 1** | 1183.000        | 28.22            | -18.30      | 54.0           | -25.78          | AV       | 290.00         | 150         | Vertical | Pass    |
| 2   | 1543.400        | 38.91            | -17.74      | 74.0           | -35.09          | Peak     | 68.00          | 150         | Vertical | Pass    |
| 2** | 1543.400        | 28.04            | -17.74      | 54.0           | -25.96          | AV       | 68.00          | 150         | Vertical | Pass    |
| 3   | 3791.400        | 46.59            | -5.48       | 74.0           | -27.41          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 3791.400        | 36.38            | -5.48       | 54.0           | -17.62          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5742.600        | 92.84            | -3.62       | --             | --              | Peak     | 74.00          | 150         | Vertical | N/A     |
| 4** | 5742.600        | 85.96            | -3.62       | --             | --              | AV       | 74.00          | 150         | Vertical | N/A     |
| 5   | 7510.600        | 48.54            | -1.84       | 74.0           | -25.46          | Peak     | 270.00         | 150         | Vertical | Pass    |
| 5** | 7510.600        | 38.22            | -1.84       | 54.0           | -15.78          | AV       | 270.00         | 150         | Vertical | Pass    |
| 6   | 11659.513       | 51.28            | 2.52        | 74.0           | -22.72          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 11659.513       | 43.66            | 2.52        | 54.0           | -10.34          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1166.200        | 37.69            | -18.49      | 74.0           | -36.31          | Peak     | 192.00         | 150         | Horizontal | Pass    |
| 1** | 1166.200        | 27.92            | -18.49      | 54.0           | -26.08          | AV       | 192.00         | 150         | Horizontal | Pass    |
| 2   | 1544.400        | 38.19            | -17.79      | 74.0           | -35.81          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 2** | 1544.400        | 28.95            | -17.79      | 54.0           | -25.05          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 3   | 4265.200        | 47.33            | -4.80       | 74.0           | -26.67          | Peak     | 276.00         | 150         | Horizontal | Pass    |
| 3** | 4265.200        | 38.42            | -4.80       | 54.0           | -15.58          | AV       | 276.00         | 150         | Horizontal | Pass    |
| 4   | 5787.200        | 100.44           | -2.97       | --             | --              | Peak     | 168.00         | 150         | Horizontal | N/A     |
| 4** | 5787.200        | 93.31            | -2.97       | --             | --              | AV       | 168.00         | 150         | Horizontal | N/A     |
| 5   | 7543.950        | 48.57            | -1.62       | 74.0           | -25.43          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7543.950        | 40.01            | -1.62       | 54.0           | -13.99          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 12183.625       | 51.66            | 2.33        | 74.0           | -22.34          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 12183.625       | 42.06            | 2.33        | 54.0           | -11.94          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1166.100        | 37.71            | -18.49      | 74.0           | -36.29          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1166.100        | 28.00            | -18.49      | 54.0           | -26.00          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 1549.700        | 38.61            | -17.69      | 74.0           | -35.39          | Peak     | 326.00         | 150         | Vertical | Pass    |
| 2** | 1549.700        | 28.55            | -17.69      | 54.0           | -25.45          | AV       | 326.00         | 150         | Vertical | Pass    |
| 3   | 4036.000        | 46.82            | -5.33       | 74.0           | -27.18          | Peak     | 43.00          | 150         | Vertical | Pass    |
| 3** | 4036.000        | 36.74            | -5.33       | 54.0           | -17.26          | AV       | 43.00          | 150         | Vertical | Pass    |
| 4   | 5786.200        | 93.63            | -3.00       | --             | --              | Peak     | 285.00         | 150         | Vertical | N/A     |
| 4** | 5786.200        | 85.90            | -3.00       | --             | --              | AV       | 285.00         | 150         | Vertical | N/A     |
| 5   | 7552.288        | 49.23            | -1.56       | 74.0           | -24.77          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 7552.288        | 39.26            | -1.56       | 54.0           | -14.74          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 11666.413       | 51.39            | 2.49        | 74.0           | -22.61          | Peak     | 19.00          | 150         | Vertical | Pass    |
| 6** | 11666.413       | 42.41            | 2.49        | 54.0           | -11.59          | AV       | 19.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1140.700        | 37.19            | -18.38      | 74.0           | -36.81          | Peak     | 160.00         | 150         | Horizontal | Pass    |
| 1** | 1140.700        | 27.18            | -18.38      | 54.0           | -26.82          | AV       | 160.00         | 150         | Horizontal | Pass    |
| 2   | 1591.100        | 38.13            | -17.77      | 74.0           | -35.87          | Peak     | 60.00          | 150         | Horizontal | Pass    |
| 2** | 1591.100        | 28.81            | -17.77      | 54.0           | -25.19          | AV       | 60.00          | 150         | Horizontal | Pass    |
| 3   | 4287.600        | 47.41            | -4.76       | 74.0           | -26.59          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 3** | 4287.600        | 37.68            | -4.76       | 54.0           | -16.32          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 4   | 5826.600        | 100.13           | -2.74       | --             | --              | Peak     | 168.00         | 150         | Horizontal | N/A     |
| 4** | 5826.600        | 92.83            | -2.74       | --             | --              | AV       | 168.00         | 150         | Horizontal | N/A     |
| 5   | 7552.862        | 47.81            | -1.56       | 74.0           | -26.19          | Peak     | 331.00         | 150         | Horizontal | Pass    |
| 5** | 7552.862        | 39.51            | -1.56       | 54.0           | -14.49          | AV       | 331.00         | 150         | Horizontal | Pass    |
| 6   | 11671.588       | 51.41            | 2.47        | 74.0           | -22.59          | Peak     | 93.00          | 150         | Horizontal | Pass    |
| 6** | 11671.588       | 42.61            | 2.47        | 54.0           | -11.39          | AV       | 93.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1107.300        | 36.72            | -18.37      | 74.0           | -37.28          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 1** | 1107.300        | 27.38            | -18.37      | 54.0           | -26.62          | AV       | 220.00         | 150         | Vertical | Pass    |
| 2   | 1538.600        | 37.82            | -17.75      | 74.0           | -36.18          | Peak     | 280.00         | 150         | Vertical | Pass    |
| 2** | 1538.600        | 29.09            | -17.75      | 54.0           | -24.91          | AV       | 280.00         | 150         | Vertical | Pass    |
| 3   | 4256.800        | 49.48            | -4.76       | 74.0           | -24.52          | Peak     | 332.00         | 150         | Vertical | Pass    |
| 3** | 4256.800        | 38.01            | -4.76       | 54.0           | -15.99          | AV       | 332.00         | 150         | Vertical | Pass    |
| 4   | 5822.800        | 95.17            | -2.75       | --             | --              | Peak     | 265.00         | 150         | Vertical | N/A     |
| 4** | 5822.800        | 87.02            | -2.75       | --             | --              | AV       | 265.00         | 150         | Vertical | N/A     |
| 5   | 7547.687        | 49.36            | -1.58       | 74.0           | -24.64          | Peak     | 295.00         | 150         | Vertical | Pass    |
| 5** | 7547.687        | 40.15            | -1.58       | 54.0           | -13.85          | AV       | 295.00         | 150         | Vertical | Pass    |
| 6   | 12218.412       | 51.46            | 2.60        | 74.0           | -22.54          | Peak     | 315.00         | 150         | Vertical | Pass    |
| 6** | 12218.412       | 42.61            | 2.60        | 54.0           | -11.39          | AV       | 315.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1128.000        | 37.10            | -18.42      | 74.0           | -36.90          | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 1** | 1128.000        | 27.17            | -18.42      | 54.0           | -26.83          | AV       | 282.00         | 150         | Horizontal | Pass    |
| 2   | 1555.700        | 38.13            | -17.77      | 74.0           | -35.87          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 2** | 1555.700        | 28.65            | -17.77      | 54.0           | -25.35          | AV       | 221.00         | 150         | Horizontal | Pass    |
| 3   | 4068.400        | 47.74            | -5.39       | 74.0           | -26.26          | Peak     | 318.00         | 150         | Horizontal | Pass    |
| 3** | 4068.400        | 37.05            | -5.39       | 54.0           | -16.95          | AV       | 318.00         | 150         | Horizontal | Pass    |
| 4   | 5751.800        | 96.93            | -3.53       | --             | --              | Peak     | 173.00         | 150         | Horizontal | N/A     |
| 4** | 5751.800        | 89.78            | -3.53       | --             | --              | AV       | 173.00         | 150         | Horizontal | N/A     |
| 5   | 7545.100        | 48.71            | -1.60       | 74.0           | -25.29          | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 5** | 7545.100        | 39.00            | -1.60       | 54.0           | -15.00          | AV       | 200.00         | 150         | Horizontal | Pass    |
| 6   | 11634.787       | 52.14            | 2.39        | 74.0           | -21.86          | Peak     | 77.00          | 150         | Horizontal | Pass    |
| 6** | 11634.787       | 42.53            | 2.39        | 54.0           | -11.47          | AV       | 77.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1123.400        | 36.65            | -18.37      | 74.0           | -37.35          | Peak     | 102.00         | 150         | Vertical | Pass    |
| 1** | 1123.400        | 27.28            | -18.37      | 54.0           | -26.72          | AV       | 102.00         | 150         | Vertical | Pass    |
| 2   | 1530.500        | 37.62            | -17.77      | 74.0           | -36.38          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 2** | 1530.500        | 28.14            | -17.77      | 54.0           | -25.86          | AV       | 142.00         | 150         | Vertical | Pass    |
| 3   | 4165.000        | 47.34            | -5.00       | 74.0           | -26.66          | Peak     | 13.00          | 150         | Vertical | Pass    |
| 3** | 4165.000        | 38.35            | -5.00       | 54.0           | -15.65          | AV       | 13.00          | 150         | Vertical | Pass    |
| 4   | 5753.000        | 90.33            | -3.50       | --             | --              | Peak     | 307.00         | 150         | Vertical | N/A     |
| 4** | 5753.000        | 82.23            | -3.50       | --             | --              | AV       | 307.00         | 150         | Vertical | N/A     |
| 5   | 7491.050        | 48.07            | -1.82       | 74.0           | -25.93          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 5** | 7491.050        | 39.03            | -1.82       | 54.0           | -14.97          | AV       | 284.00         | 150         | Vertical | Pass    |
| 6   | 11633.925       | 51.89            | 2.38        | 74.0           | -22.11          | Peak     | 180.00         | 150         | Vertical | Pass    |
| 6** | 11633.925       | 42.63            | 2.38        | 54.0           | -11.37          | AV       | 180.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1169.600        | 37.10            | -18.44      | 74.0           | -36.90          | Peak     | 148.00         | 150         | Horizontal | Pass    |
| 1** | 1169.600        | 27.52            | -18.44      | 54.0           | -26.48          | AV       | 148.00         | 150         | Horizontal | Pass    |
| 2   | 1502.800        | 38.06            | -17.72      | 74.0           | -35.94          | Peak     | 321.00         | 150         | Horizontal | Pass    |
| 2** | 1502.800        | 28.08            | -17.72      | 54.0           | -25.92          | AV       | 321.00         | 150         | Horizontal | Pass    |
| 3   | 4211.800        | 47.26            | -4.93       | 74.0           | -26.74          | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 3** | 4211.800        | 38.41            | -4.93       | 54.0           | -15.59          | AV       | 330.00         | 150         | Horizontal | Pass    |
| 4   | 5792.400        | 96.90            | -2.85       | --             | --              | Peak     | 159.00         | 150         | Horizontal | N/A     |
| 4** | 5792.400        | 88.88            | -2.85       | --             | --              | AV       | 159.00         | 150         | Horizontal | N/A     |
| 5   | 7552.288        | 48.64            | -1.56       | 74.0           | -25.36          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 5** | 7552.288        | 39.38            | -1.56       | 54.0           | -14.62          | AV       | 221.00         | 150         | Horizontal | Pass    |
| 6   | 11566.363       | 51.74            | 1.62        | 74.0           | -22.26          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 6** | 11566.363       | 41.48            | 1.62        | 54.0           | -12.52          | AV       | 221.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1185.700        | 37.89            | -18.26      | 74.0           | -36.11          | Peak     | 234.00         | 150         | Vertical | Pass    |
| 1** | 1185.700        | 29.27            | -18.26      | 54.0           | -24.73          | AV       | 234.00         | 150         | Vertical | Pass    |
| 2   | 1523.800        | 38.46            | -17.67      | 74.0           | -35.54          | Peak     | 212.00         | 150         | Vertical | Pass    |
| 2** | 1523.800        | 28.33            | -17.67      | 54.0           | -25.67          | AV       | 212.00         | 150         | Vertical | Pass    |
| 3   | 4220.000        | 47.73            | -4.76       | 74.0           | -26.27          | Peak     | 269.00         | 150         | Vertical | Pass    |
| 3** | 4220.000        | 38.08            | -4.76       | 54.0           | -15.92          | AV       | 269.00         | 150         | Vertical | Pass    |
| 4   | 5796.600        | 91.44            | -2.74       | --             | --              | Peak     | 269.00         | 150         | Vertical | N/A     |
| 4** | 5796.600        | 84.88            | -2.74       | --             | --              | AV       | 269.00         | 150         | Vertical | N/A     |
| 5   | 7386.113        | 48.12            | -1.73       | 74.0           | -25.88          | Peak     | 347.00         | 150         | Vertical | Pass    |
| 5** | 7386.113        | 39.91            | -1.73       | 54.0           | -14.09          | AV       | 347.00         | 150         | Vertical | Pass    |
| 6   | 12156.599       | 51.56            | 1.97        | 74.0           | -22.44          | Peak     | 196.00         | 150         | Vertical | Pass    |
| 6** | 12156.599       | 41.28            | 1.97        | 54.0           | -12.72          | AV       | 196.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1202.100        | 37.12            | -18.12      | 74.0           | -36.88          | Peak     | 128.00         | 150         | Horizontal | Pass    |
| 1** | 1202.100        | 27.96            | -18.12      | 54.0           | -26.04          | AV       | 128.00         | 150         | Horizontal | Pass    |
| 2   | 1543.900        | 38.09            | -17.76      | 74.0           | -35.91          | Peak     | 128.00         | 150         | Horizontal | Pass    |
| 2** | 1543.900        | 29.00            | -17.76      | 54.0           | -25.00          | AV       | 128.00         | 150         | Horizontal | Pass    |
| 3   | 4042.200        | 48.45            | -5.38       | 74.0           | -25.55          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 3** | 4042.200        | 37.03            | -5.38       | 54.0           | -16.97          | AV       | 225.00         | 150         | Horizontal | Pass    |
| 4   | 5781.200        | 94.81            | -3.11       | --             | --              | Peak     | 156.00         | 150         | Horizontal | N/A     |
| 4** | 5781.200        | 87.10            | -3.11       | --             | --              | AV       | 156.00         | 150         | Horizontal | N/A     |
| 5   | 7542.800        | 48.79            | -1.63       | 74.0           | -25.21          | Peak     | 188.00         | 150         | Horizontal | Pass    |
| 5** | 7542.800        | 38.83            | -1.63       | 54.0           | -15.17          | AV       | 188.00         | 150         | Horizontal | Pass    |
| 6   | 12229.338       | 51.67            | 2.62        | 74.0           | -22.33          | Peak     | 130.00         | 150         | Horizontal | Pass    |
| 6** | 12229.338       | 41.98            | 2.62        | 54.0           | -12.02          | AV       | 130.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1147.700        | 36.52            | -18.41      | 74.0           | -37.48          | Peak     | 236.00         | 150         | Vertical | Pass    |
| 1** | 1147.700        | 26.73            | -18.41      | 54.0           | -27.27          | AV       | 236.00         | 150         | Vertical | Pass    |
| 2   | 1566.600        | 38.32            | -17.61      | 74.0           | -35.68          | Peak     | 16.00          | 150         | Vertical | Pass    |
| 2** | 1566.600        | 28.17            | -17.61      | 54.0           | -25.83          | AV       | 16.00          | 150         | Vertical | Pass    |
| 3   | 3720.200        | 46.66            | -6.65       | 74.0           | -27.34          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 3** | 3720.200        | 35.26            | -6.65       | 54.0           | -18.74          | AV       | 289.00         | 150         | Vertical | Pass    |
| 4   | 5780.800        | 87.92            | -3.12       | --             | --              | Peak     | 46.00          | 150         | Vertical | N/A     |
| 4** | 5780.800        | 80.06            | -3.12       | --             | --              | AV       | 46.00          | 150         | Vertical | N/A     |
| 5   | 7388.412        | 48.45            | -1.74       | 74.0           | -25.55          | Peak     | 57.00          | 150         | Vertical | Pass    |
| 5** | 7388.412        | 38.77            | -1.74       | 54.0           | -15.23          | AV       | 57.00          | 150         | Vertical | Pass    |
| 6   | 12220.713       | 51.53            | 2.60        | 74.0           | -22.47          | Peak     | 226.00         | 150         | Vertical | Pass    |
| 6** | 12220.713       | 42.13            | 2.60        | 54.0           | -11.87          | AV       | 226.00         | 150         | Vertical | Pass    |

### Aux. Antenna

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1562.800        | 38.47            | -17.66      | 74.0           | -35.53          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 1** | 1562.800        | 28.18            | -17.66      | 54.0           | -25.82          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 2   | 2790.800        | 42.46            | -11.11      | 74.0           | -31.54          | Peak     | 84.00          | 150         | Horizontal | Pass    |
| 2** | 2790.800        | 33.69            | -11.11      | 54.0           | -20.31          | AV       | 84.00          | 150         | Horizontal | Pass    |
| 3   | 4029.600        | 46.96            | -5.45       | 74.0           | -27.04          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4029.600        | 37.04            | -5.45       | 54.0           | -16.96          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5181.000        | 97.23            | -3.18       | --             | --              | Peak     | 126.00         | 150         | Horizontal | N/A     |
| 4** | 5181.000        | 89.93            | -3.18       | --             | --              | AV       | 126.00         | 150         | Horizontal | N/A     |
| 5   | 7531.588        | 48.07            | -1.66       | 74.0           | -25.93          | Peak     | 99.00          | 150         | Horizontal | Pass    |
| 5** | 7531.588        | 39.42            | -1.66       | 54.0           | -14.58          | AV       | 99.00          | 150         | Horizontal | Pass    |
| 6   | 11685.675       | 51.55            | 2.41        | 74.0           | -22.45          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 11685.675       | 41.88            | 2.41        | 54.0           | -12.12          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1516.600        | 37.86            | -17.75      | 74.0           | -36.14          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 1** | 1516.600        | 28.73            | -17.75      | 54.0           | -25.27          | AV       | 38.00          | 150         | Vertical | Pass    |
| 2   | 2811.100        | 42.83            | -10.83      | 74.0           | -31.17          | Peak     | 268.00         | 150         | Vertical | Pass    |
| 2** | 2811.100        | 34.14            | -10.83      | 54.0           | -19.86          | AV       | 268.00         | 150         | Vertical | Pass    |
| 3   | 4105.600        | 46.96            | -5.32       | 74.0           | -27.04          | Peak     | 81.00          | 150         | Vertical | Pass    |
| 3** | 4105.600        | 37.64            | -5.32       | 54.0           | -16.36          | AV       | 81.00          | 150         | Vertical | Pass    |
| 4   | 5181.200        | 95.74            | -3.19       | --             | --              | Peak     | 128.00         | 150         | Vertical | N/A     |
| 4** | 5181.200        | 88.87            | -3.19       | --             | --              | AV       | 128.00         | 150         | Vertical | N/A     |
| 5   | 7394.737        | 48.38            | -1.59       | 74.0           | -25.62          | Peak     | 87.00          | 150         | Vertical | Pass    |
| 5** | 7394.737        | 38.52            | -1.59       | 54.0           | -15.48          | AV       | 87.00          | 150         | Vertical | Pass    |
| 6   | 12223.875       | 51.42            | 2.61        | 74.0           | -22.58          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 6** | 12223.875       | 42.45            | 2.61        | 54.0           | -11.55          | AV       | 47.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1346.900        | 38.89            | -17.68      | 74.0           | -35.11          | Peak     | 86.00          | 150         | Horizontal | Pass    |
| 1** | 1346.900        | 28.22            | -17.68      | 54.0           | -25.78          | AV       | 86.00          | 150         | Horizontal | Pass    |
| 2   | 2795.000        | 42.94            | -11.20      | 74.0           | -31.06          | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 2** | 2795.000        | 33.44            | -11.20      | 54.0           | -20.56          | AV       | 127.00         | 150         | Horizontal | Pass    |
| 3   | 4060.600        | 47.53            | -5.50       | 74.0           | -26.47          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4060.600        | 36.59            | -5.50       | 54.0           | -17.41          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5218.200        | 99.17            | -3.45       | --             | --              | Peak     | 128.00         | 150         | Horizontal | N/A     |
| 4** | 5218.200        | 92.09            | -3.45       | --             | --              | AV       | 128.00         | 150         | Horizontal | N/A     |
| 5   | 7531.875        | 47.95            | -1.66       | 74.0           | -26.05          | Peak     | 302.00         | 150         | Horizontal | Pass    |
| 5** | 7531.875        | 38.43            | -1.66       | 54.0           | -15.57          | AV       | 302.00         | 150         | Horizontal | Pass    |
| 6   | 12212.950       | 51.36            | 2.58        | 74.0           | -22.64          | Peak     | 46.00          | 150         | Horizontal | Pass    |
| 6** | 12212.950       | 41.69            | 2.58        | 54.0           | -12.31          | AV       | 46.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1570.400        | 37.66            | -17.60      | 74.0           | -36.34          | Peak     | 26.00          | 150         | Vertical | Pass    |
| 1** | 1570.400        | 28.48            | -17.60      | 54.0           | -25.52          | AV       | 26.00          | 150         | Vertical | Pass    |
| 2   | 2745.400        | 42.99            | -10.76      | 74.0           | -31.01          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2745.400        | 33.10            | -10.76      | 54.0           | -20.90          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4026.200        | 46.54            | -5.51       | 74.0           | -27.46          | Peak     | 267.00         | 150         | Vertical | Pass    |
| 3** | 4026.200        | 37.92            | -5.51       | 54.0           | -16.08          | AV       | 267.00         | 150         | Vertical | Pass    |
| 4   | 5218.600        | 96.62            | -3.47       | --             | --              | Peak     | 93.00          | 150         | Vertical | N/A     |
| 4** | 5218.600        | 89.99            | -3.47       | --             | --              | AV       | 93.00          | 150         | Vertical | N/A     |
| 5   | 7402.212        | 48.45            | -1.65       | 74.0           | -25.55          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 5** | 7402.212        | 39.03            | -1.65       | 54.0           | -14.97          | AV       | 47.00          | 150         | Vertical | Pass    |
| 6   | 11660.662       | 51.49            | 2.51        | 74.0           | -22.51          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 6** | 11660.662       | 42.00            | 2.51        | 54.0           | -12.00          | AV       | 303.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1577.900        | 38.53            | -17.51      | 74.0           | -35.47          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1577.900        | 28.18            | -17.51      | 54.0           | -25.82          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2793.000        | 43.01            | -11.18      | 74.0           | -30.99          | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 2** | 2793.000        | 33.87            | -11.18      | 54.0           | -20.13          | AV       | 56.00          | 150         | Horizontal | Pass    |
| 3   | 3961.600        | 46.67            | -5.48       | 74.0           | -27.33          | Peak     | 97.00          | 150         | Horizontal | Pass    |
| 3** | 3961.600        | 37.64            | -5.48       | 54.0           | -16.36          | AV       | 97.00          | 150         | Horizontal | Pass    |
| 4   | 5237.800        | 98.97            | -3.65       | --             | --              | Peak     | 128.00         | 150         | Horizontal | N/A     |
| 4** | 5237.800        | 91.42            | -3.65       | --             | --              | AV       | 128.00         | 150         | Horizontal | N/A     |
| 5   | 7556.600        | 48.04            | -1.66       | 74.0           | -25.96          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 5** | 7556.600        | 39.71            | -1.66       | 54.0           | -14.29          | AV       | 7.00           | 150         | Horizontal | Pass    |
| 6   | 11652.037       | 51.36            | 2.55        | 74.0           | -22.64          | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 6** | 11652.037       | 42.07            | 2.55        | 54.0           | -11.93          | AV       | 47.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1586.200        | 38.93            | -17.65      | 74.0           | -35.07          | Peak     | 173.00         | 150         | Vertical | Pass    |
| 1** | 1586.200        | 29.26            | -17.65      | 54.0           | -24.74          | AV       | 173.00         | 150         | Vertical | Pass    |
| 2   | 2818.500        | 42.78            | -10.61      | 74.0           | -31.22          | Peak     | 232.00         | 150         | Vertical | Pass    |
| 2** | 2818.500        | 33.86            | -10.61      | 54.0           | -20.14          | AV       | 232.00         | 150         | Vertical | Pass    |
| 3   | 4182.000        | 47.12            | -5.03       | 74.0           | -26.88          | Peak     | 57.00          | 150         | Vertical | Pass    |
| 3** | 4182.000        | 37.56            | -5.03       | 54.0           | -16.44          | AV       | 57.00          | 150         | Vertical | Pass    |
| 4   | 5238.000        | 97.29            | -3.65       | --             | --              | Peak     | 143.00         | 150         | Vertical | N/A     |
| 4** | 5238.000        | 89.80            | -3.65       | --             | --              | AV       | 143.00         | 150         | Vertical | N/A     |
| 5   | 7542.800        | 49.13            | -1.63       | 74.0           | -24.87          | Peak     | 149.00         | 150         | Vertical | Pass    |
| 5** | 7542.800        | 39.52            | -1.63       | 54.0           | -14.48          | AV       | 149.00         | 150         | Vertical | Pass    |
| 6   | 11665.549       | 51.22            | 2.49        | 74.0           | -22.78          | Peak     | 99.00          | 150         | Vertical | Pass    |
| 6** | 11665.549       | 42.02            | 2.49        | 54.0           | -11.98          | AV       | 99.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1506.100        | 37.71            | -17.81      | 74.0           | -36.29          | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 1** | 1506.100        | 28.29            | -17.81      | 54.0           | -25.71          | AV       | 228.00         | 150         | Horizontal | Pass    |
| 2   | 2808.400        | 42.79            | -10.89      | 74.0           | -31.21          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 2** | 2808.400        | 33.74            | -10.89      | 54.0           | -20.26          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 3   | 4274.800        | 48.24            | -4.77       | 74.0           | -25.76          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 3** | 4274.800        | 38.18            | -4.77       | 54.0           | -15.82          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 4   | 5181.800        | 97.36            | -3.20       | --             | --              | Peak     | 126.00         | 150         | Horizontal | N/A     |
| 4** | 5181.800        | 90.20            | -3.20       | --             | --              | AV       | 126.00         | 150         | Horizontal | N/A     |
| 5   | 7555.163        | 48.53            | -1.60       | 74.0           | -25.47          | Peak     | 67.00          | 150         | Horizontal | Pass    |
| 5** | 7555.163        | 39.39            | -1.60       | 54.0           | -14.61          | AV       | 67.00          | 150         | Horizontal | Pass    |
| 6   | 11685.675       | 51.83            | 2.41        | 74.0           | -22.17          | Peak     | 159.00         | 150         | Horizontal | Pass    |
| 6** | 11685.675       | 41.68            | 2.41        | 54.0           | -12.32          | AV       | 159.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1540.200        | 38.06            | -17.75      | 74.0           | -35.94          | Peak     | 156.00         | 150         | Vertical | Pass    |
| 1** | 1540.200        | 28.28            | -17.75      | 54.0           | -25.72          | AV       | 156.00         | 150         | Vertical | Pass    |
| 2   | 2825.100        | 43.23            | -10.50      | 74.0           | -30.77          | Peak     | 28.00          | 150         | Vertical | Pass    |
| 2** | 2825.100        | 33.90            | -10.50      | 54.0           | -20.10          | AV       | 28.00          | 150         | Vertical | Pass    |
| 3   | 4236.400        | 47.48            | -5.16       | 74.0           | -26.52          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4236.400        | 38.14            | -5.16       | 54.0           | -15.86          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5178.600        | 95.00            | -3.14       | --             | --              | Peak     | 127.00         | 150         | Vertical | N/A     |
| 4** | 5178.600        | 88.87            | -3.14       | --             | --              | AV       | 127.00         | 150         | Vertical | N/A     |
| 5   | 7545.100        | 48.09            | -1.60       | 74.0           | -25.91          | Peak     | 209.00         | 150         | Vertical | Pass    |
| 5** | 7545.100        | 40.46            | -1.60       | 54.0           | -13.54          | AV       | 209.00         | 150         | Vertical | Pass    |
| 6   | 11616.388       | 51.45            | 2.18        | 74.0           | -22.55          | Peak     | 26.00          | 150         | Vertical | Pass    |
| 6** | 11616.388       | 41.88            | 2.18        | 54.0           | -12.12          | AV       | 26.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1395.200        | 38.43            | -17.55      | 74.0           | -35.57          | Peak     | 104.00         | 150         | Horizontal | Pass    |
| 1** | 1395.200        | 27.82            | -17.55      | 54.0           | -26.18          | AV       | 104.00         | 150         | Horizontal | Pass    |
| 2   | 2812.700        | 43.81            | -10.82      | 74.0           | -30.19          | Peak     | 125.00         | 150         | Horizontal | Pass    |
| 2** | 2812.700        | 34.36            | -10.82      | 54.0           | -19.64          | AV       | 125.00         | 150         | Horizontal | Pass    |
| 3   | 3986.200        | 47.32            | -5.92       | 74.0           | -26.68          | Peak     | 216.00         | 150         | Horizontal | Pass    |
| 3** | 3986.200        | 37.80            | -5.92       | 54.0           | -16.20          | AV       | 216.00         | 150         | Horizontal | Pass    |
| 4   | 5218.800        | 99.06            | -3.47       | --             | --              | Peak     | 127.00         | 150         | Horizontal | N/A     |
| 4** | 5218.800        | 91.66            | -3.47       | --             | --              | AV       | 127.00         | 150         | Horizontal | N/A     |
| 5   | 7385.538        | 48.12            | -1.74       | 74.0           | -25.88          | Peak     | 118.00         | 150         | Horizontal | Pass    |
| 5** | 7385.538        | 39.06            | -1.74       | 54.0           | -14.94          | AV       | 118.00         | 150         | Horizontal | Pass    |
| 6   | 11625.875       | 51.42            | 2.29        | 74.0           | -22.58          | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 6** | 11625.875       | 41.77            | 2.29        | 54.0           | -12.23          | AV       | 47.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1553.900        | 38.35            | -17.72      | 74.0           | -35.65          | Peak     | 20.00          | 150         | Vertical | Pass    |
| 1** | 1553.900        | 28.34            | -17.72      | 54.0           | -25.66          | AV       | 20.00          | 150         | Vertical | Pass    |
| 2   | 2832.800        | 42.95            | -10.73      | 74.0           | -31.05          | Peak     | 252.00         | 150         | Vertical | Pass    |
| 2** | 2832.800        | 33.87            | -10.73      | 54.0           | -20.13          | AV       | 252.00         | 150         | Vertical | Pass    |
| 3   | 4210.800        | 47.61            | -4.98       | 74.0           | -26.39          | Peak     | 152.00         | 150         | Vertical | Pass    |
| 3** | 4210.800        | 37.85            | -4.98       | 54.0           | -16.15          | AV       | 152.00         | 150         | Vertical | Pass    |
| 4   | 5217.800        | 96.55            | -3.44       | --             | --              | Peak     | 95.00          | 150         | Vertical | N/A     |
| 4** | 5217.800        | 88.92            | -3.44       | --             | --              | AV       | 95.00          | 150         | Vertical | N/A     |
| 5   | 7547.112        | 48.16            | -1.58       | 74.0           | -25.84          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 7547.112        | 40.06            | -1.58       | 54.0           | -13.94          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 11656.350       | 50.95            | 2.53        | 74.0           | -23.05          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 6** | 11656.350       | 42.19            | 2.53        | 54.0           | -11.81          | AV       | 220.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1529.100        | 37.77            | -17.75      | 74.0           | -36.23          | Peak     | 324.00         | 150         | Horizontal | Pass    |
| 1** | 1529.100        | 28.39            | -17.75      | 54.0           | -25.61          | AV       | 324.00         | 150         | Horizontal | Pass    |
| 2   | 2812.200        | 42.76            | -10.82      | 74.0           | -31.24          | Peak     | 351.00         | 150         | Horizontal | Pass    |
| 2** | 2812.200        | 34.03            | -10.82      | 54.0           | -19.97          | AV       | 351.00         | 150         | Horizontal | Pass    |
| 3   | 4111.400        | 46.72            | -5.41       | 74.0           | -27.28          | Peak     | 298.00         | 150         | Horizontal | Pass    |
| 3** | 4111.400        | 37.35            | -5.41       | 54.0           | -16.65          | AV       | 298.00         | 150         | Horizontal | Pass    |
| 4   | 5240.800        | 99.01            | -3.70       | --             | --              | Peak     | 122.00         | 150         | Horizontal | N/A     |
| 4** | 5240.800        | 91.23            | -3.70       | --             | --              | AV       | 122.00         | 150         | Horizontal | N/A     |
| 5   | 7548.263        | 48.40            | -1.59       | 74.0           | -25.60          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7548.263        | 39.40            | -1.59       | 54.0           | -14.60          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11629.612       | 51.06            | 2.33        | 74.0           | -22.94          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 11629.612       | 41.55            | 2.33        | 54.0           | -12.45          | AV       | 360.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1365.900        | 37.77            | -17.55      | 74.0           | -36.23          | Peak     | 87.00          | 150         | Vertical | Pass    |
| 1** | 1365.900        | 28.87            | -17.55      | 54.0           | -25.13          | AV       | 87.00          | 150         | Vertical | Pass    |
| 2   | 2749.000        | 42.58            | -10.81      | 74.0           | -31.42          | Peak     | 329.00         | 150         | Vertical | Pass    |
| 2** | 2749.000        | 33.04            | -10.81      | 54.0           | -20.96          | AV       | 329.00         | 150         | Vertical | Pass    |
| 3   | 4088.600        | 47.06            | -4.96       | 74.0           | -26.94          | Peak     | 274.00         | 150         | Vertical | Pass    |
| 3** | 4088.600        | 37.39            | -4.96       | 54.0           | -16.61          | AV       | 274.00         | 150         | Vertical | Pass    |
| 4   | 5242.600        | 97.13            | -3.72       | --             | --              | Peak     | 99.00          | 150         | Vertical | N/A     |
| 4** | 5242.600        | 89.27            | -3.72       | --             | --              | AV       | 99.00          | 150         | Vertical | N/A     |
| 5   | 7558.900        | 48.74            | -1.69       | 74.0           | -25.26          | Peak     | 118.00         | 150         | Vertical | Pass    |
| 5** | 7558.900        | 39.38            | -1.69       | 54.0           | -14.62          | AV       | 118.00         | 150         | Vertical | Pass    |
| 6   | 11745.188       | 51.69            | 1.62        | 74.0           | -22.31          | Peak     | 282.00         | 150         | Vertical | Pass    |
| 6** | 11745.188       | 41.66            | 1.62        | 54.0           | -12.34          | AV       | 282.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1362.600        | 37.91            | -17.56      | 74.0           | -36.09          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1362.600        | 28.28            | -17.56      | 54.0           | -25.72          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2791.500        | 43.16            | -11.13      | 74.0           | -30.84          | Peak     | 296.00         | 150         | Horizontal | Pass    |
| 2** | 2791.500        | 33.51            | -11.13      | 54.0           | -20.49          | AV       | 296.00         | 150         | Horizontal | Pass    |
| 3   | 4223.800        | 47.47            | -4.75       | 74.0           | -26.53          | Peak     | 4.00           | 150         | Horizontal | Pass    |
| 3** | 4223.800        | 37.93            | -4.75       | 54.0           | -16.07          | AV       | 4.00           | 150         | Horizontal | Pass    |
| 4   | 5193.400        | 94.45            | -3.30       | --             | --              | Peak     | 118.00         | 150         | Horizontal | N/A     |
| 4** | 5193.400        | 86.50            | -3.30       | --             | --              | AV       | 118.00         | 150         | Horizontal | N/A     |
| 5   | 7592.825        | 48.35            | -2.35       | 74.0           | -25.65          | Peak     | 68.00          | 150         | Horizontal | Pass    |
| 5** | 7592.825        | 39.12            | -2.35       | 54.0           | -14.88          | AV       | 68.00          | 150         | Horizontal | Pass    |
| 6   | 11662.963       | 51.28            | 2.50        | 74.0           | -22.72          | Peak     | 6.00           | 150         | Horizontal | Pass    |
| 6** | 11662.963       | 42.14            | 2.50        | 54.0           | -11.86          | AV       | 6.00           | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1557.300        | 38.32            | -17.73      | 74.0           | -35.68          | Peak     | 161.00         | 150         | Vertical | Pass    |
| 1** | 1557.300        | 28.76            | -17.73      | 54.0           | -25.24          | AV       | 161.00         | 150         | Vertical | Pass    |
| 2   | 2829.300        | 43.16            | -10.63      | 74.0           | -30.84          | Peak     | 318.00         | 150         | Vertical | Pass    |
| 2** | 2829.300        | 33.97            | -10.63      | 54.0           | -20.03          | AV       | 318.00         | 150         | Vertical | Pass    |
| 3   | 4126.000        | 46.70            | -5.61       | 74.0           | -27.30          | Peak     | 67.00          | 150         | Vertical | Pass    |
| 3** | 4126.000        | 38.65            | -5.61       | 54.0           | -15.35          | AV       | 67.00          | 150         | Vertical | Pass    |
| 4   | 5192.800        | 92.91            | -3.28       | --             | --              | Peak     | 127.00         | 150         | Vertical | N/A     |
| 4** | 5192.800        | 86.13            | -3.28       | --             | --              | AV       | 127.00         | 150         | Vertical | N/A     |
| 5   | 7554.588        | 48.84            | -1.57       | 74.0           | -25.16          | Peak     | 319.00         | 150         | Vertical | Pass    |
| 5** | 7554.588        | 39.67            | -1.57       | 54.0           | -14.33          | AV       | 319.00         | 150         | Vertical | Pass    |
| 6   | 12300.637       | 51.45            | 2.29        | 74.0           | -22.55          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 6** | 12300.637       | 41.26            | 2.29        | 54.0           | -12.74          | AV       | 182.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1535.600        | 37.67            | -17.71      | 74.0           | -36.33          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 1** | 1535.600        | 28.71            | -17.71      | 54.0           | -25.29          | AV       | 1.00           | 150         | Horizontal | Pass    |
| 2   | 2822.100        | 42.80            | -10.52      | 74.0           | -31.20          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 2** | 2822.100        | 33.84            | -10.52      | 54.0           | -20.16          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 3   | 4143.600        | 47.94            | -5.34       | 74.0           | -26.06          | Peak     | 216.00         | 150         | Horizontal | Pass    |
| 3** | 4143.600        | 37.99            | -5.34       | 54.0           | -16.01          | AV       | 216.00         | 150         | Horizontal | Pass    |
| 4   | 5227.800        | 96.79            | -3.51       | --             | --              | Peak     | 129.00         | 150         | Horizontal | N/A     |
| 4** | 5227.800        | 88.70            | -3.51       | --             | --              | AV       | 129.00         | 150         | Horizontal | N/A     |
| 5   | 7540.212        | 48.39            | -1.67       | 74.0           | -25.61          | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 5** | 7540.212        | 39.74            | -1.67       | 54.0           | -14.26          | AV       | 55.00          | 150         | Horizontal | Pass    |
| 6   | 11255.576       | 51.40            | 0.21        | 74.0           | -22.60          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 6** | 11255.576       | 40.22            | 0.21        | 54.0           | -13.78          | AV       | 20.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1515.400        | 37.70            | -17.77      | 74.0           | -36.30          | Peak     | 320.00         | 150         | Vertical | Pass    |
| 1** | 1515.400        | 28.15            | -17.77      | 54.0           | -25.85          | AV       | 320.00         | 150         | Vertical | Pass    |
| 2   | 2808.300        | 43.26            | -10.89      | 74.0           | -30.74          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 2** | 2808.300        | 33.61            | -10.89      | 54.0           | -20.39          | AV       | 186.00         | 150         | Vertical | Pass    |
| 3   | 4088.000        | 47.62            | -4.97       | 74.0           | -26.38          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4088.000        | 37.18            | -4.97       | 54.0           | -16.82          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5231.600        | 94.37            | -3.60       | --             | --              | Peak     | 93.00          | 150         | Vertical | N/A     |
| 4** | 5231.600        | 86.97            | -3.60       | --             | --              | AV       | 93.00          | 150         | Vertical | N/A     |
| 5   | 7411.412        | 48.39            | -1.85       | 74.0           | -25.61          | Peak     | 255.00         | 150         | Vertical | Pass    |
| 5** | 7411.412        | 38.76            | -1.85       | 54.0           | -15.24          | AV       | 255.00         | 150         | Vertical | Pass    |
| 6   | 12252.912       | 51.23            | 2.64        | 74.0           | -22.77          | Peak     | 201.00         | 150         | Vertical | Pass    |
| 6** | 12252.912       | 42.00            | 2.64        | 54.0           | -12.00          | AV       | 201.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1356.100        | 37.61            | -17.55      | 74.0           | -36.39          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 1** | 1356.100        | 28.70            | -17.55      | 54.0           | -25.30          | AV       | 33.00          | 150         | Horizontal | Pass    |
| 2   | 2814.700        | 42.80            | -10.76      | 74.0           | -31.20          | Peak     | 308.00         | 150         | Horizontal | Pass    |
| 2** | 2814.700        | 33.80            | -10.76      | 54.0           | -20.20          | AV       | 308.00         | 150         | Horizontal | Pass    |
| 3   | 4263.400        | 48.04            | -4.82       | 74.0           | -25.96          | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 3** | 4263.400        | 37.97            | -4.82       | 54.0           | -16.03          | AV       | 96.00          | 150         | Horizontal | Pass    |
| 4   | 5178.800        | 96.57            | -3.14       | --             | --              | Peak     | 153.00         | 150         | Horizontal | N/A     |
| 4** | 5178.800        | 89.62            | -3.14       | --             | --              | AV       | 153.00         | 150         | Horizontal | N/A     |
| 5   | 7528.712        | 48.54            | -1.65       | 74.0           | -25.46          | Peak     | 169.00         | 150         | Horizontal | Pass    |
| 5** | 7528.712        | 38.72            | -1.65       | 54.0           | -15.28          | AV       | 169.00         | 150         | Horizontal | Pass    |
| 6   | 12226.175       | 51.46            | 2.61        | 74.0           | -22.54          | Peak     | 75.00          | 150         | Horizontal | Pass    |
| 6** | 12226.175       | 42.57            | 2.61        | 54.0           | -11.43          | AV       | 75.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1357.800        | 38.51            | -17.60      | 74.0           | -35.49          | Peak     | 160.00         | 150         | Vertical | Pass    |
| 1** | 1357.800        | 28.72            | -17.60      | 54.0           | -25.28          | AV       | 160.00         | 150         | Vertical | Pass    |
| 2   | 2773.800        | 43.07            | -11.21      | 74.0           | -30.93          | Peak     | 125.00         | 150         | Vertical | Pass    |
| 2** | 2773.800        | 32.76            | -11.21      | 54.0           | -21.24          | AV       | 125.00         | 150         | Vertical | Pass    |
| 3   | 4127.200        | 46.66            | -5.62       | 74.0           | -27.34          | Peak     | 329.00         | 150         | Vertical | Pass    |
| 3** | 4127.200        | 37.56            | -5.62       | 54.0           | -16.44          | AV       | 329.00         | 150         | Vertical | Pass    |
| 4   | 5178.000        | 95.45            | -3.15       | --             | --              | Peak     | 127.00         | 150         | Vertical | N/A     |
| 4** | 5178.000        | 88.07            | -3.15       | --             | --              | AV       | 127.00         | 150         | Vertical | N/A     |
| 5   | 7543.950        | 48.59            | -1.62       | 74.0           | -25.41          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 5** | 7543.950        | 39.80            | -1.62       | 54.0           | -14.20          | AV       | 7.00           | 150         | Vertical | Pass    |
| 6   | 11691.713       | 51.25            | 2.37        | 74.0           | -22.75          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 6** | 11691.713       | 42.26            | 2.37        | 54.0           | -11.74          | AV       | 218.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1515.100        | 38.64            | -17.77      | 74.0           | -35.36          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 1** | 1515.100        | 28.40            | -17.77      | 54.0           | -25.60          | AV       | 35.00          | 150         | Horizontal | Pass    |
| 2   | 2824.200        | 43.47            | -10.52      | 74.0           | -30.53          | Peak     | 147.00         | 150         | Horizontal | Pass    |
| 2** | 2824.200        | 33.50            | -10.52      | 54.0           | -20.50          | AV       | 147.00         | 150         | Horizontal | Pass    |
| 3   | 4261.000        | 47.77            | -4.72       | 74.0           | -26.23          | Peak     | 274.00         | 150         | Horizontal | Pass    |
| 3** | 4261.000        | 38.49            | -4.72       | 54.0           | -15.51          | AV       | 274.00         | 150         | Horizontal | Pass    |
| 4   | 5219.200        | 99.50            | -3.48       | --             | --              | Peak     | 121.00         | 150         | Horizontal | N/A     |
| 4** | 5219.200        | 91.49            | -3.48       | --             | --              | AV       | 121.00         | 150         | Horizontal | N/A     |
| 5   | 7550.850        | 48.99            | -1.59       | 74.0           | -25.01          | Peak     | 48.00          | 150         | Horizontal | Pass    |
| 5** | 7550.850        | 39.32            | -1.59       | 54.0           | -14.68          | AV       | 48.00          | 150         | Horizontal | Pass    |
| 6   | 11704.937       | 51.24            | 2.23        | 74.0           | -22.76          | Peak     | 296.00         | 150         | Horizontal | Pass    |
| 6** | 11704.937       | 41.70            | 2.23        | 54.0           | -12.30          | AV       | 296.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1341.100        | 38.48            | -17.75      | 74.0           | -35.52          | Peak     | 329.00         | 150         | Vertical | Pass    |
| 1** | 1341.100        | 29.25            | -17.75      | 54.0           | -24.75          | AV       | 329.00         | 150         | Vertical | Pass    |
| 2   | 2784.900        | 42.62            | -11.12      | 74.0           | -31.38          | Peak     | 98.00          | 150         | Vertical | Pass    |
| 2** | 2784.900        | 33.52            | -11.12      | 54.0           | -20.48          | AV       | 98.00          | 150         | Vertical | Pass    |
| 3   | 4267.800        | 47.33            | -4.82       | 74.0           | -26.67          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 3** | 4267.800        | 39.07            | -4.82       | 54.0           | -14.93          | AV       | 204.00         | 150         | Vertical | Pass    |
| 4   | 5222.400        | 97.79            | -3.45       | --             | --              | Peak     | 92.00          | 150         | Vertical | N/A     |
| 4** | 5222.400        | 89.68            | -3.45       | --             | --              | AV       | 92.00          | 150         | Vertical | N/A     |
| 5   | 7545.100        | 47.98            | -1.60       | 74.0           | -26.02          | Peak     | 301.00         | 150         | Vertical | Pass    |
| 5** | 7545.100        | 40.94            | -1.60       | 54.0           | -13.06          | AV       | 301.00         | 150         | Vertical | Pass    |
| 6   | 11651.174       | 51.91            | 2.55        | 74.0           | -22.09          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 11651.174       | 42.55            | 2.55        | 54.0           | -11.45          | AV       | 360.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1540.400        | 38.13            | -17.75      | 74.0           | -35.87          | Peak     | 80.00          | 150         | Horizontal | Pass    |
| 1** | 1540.400        | 28.43            | -17.75      | 54.0           | -25.57          | AV       | 80.00          | 150         | Horizontal | Pass    |
| 2   | 2803.200        | 42.39            | -11.09      | 74.0           | -31.61          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 2** | 2803.200        | 33.52            | -11.09      | 54.0           | -20.48          | AV       | 252.00         | 150         | Horizontal | Pass    |
| 3   | 4088.600        | 46.89            | -4.96       | 74.0           | -27.11          | Peak     | 142.00         | 150         | Horizontal | Pass    |
| 3** | 4088.600        | 37.16            | -4.96       | 54.0           | -16.84          | AV       | 142.00         | 150         | Horizontal | Pass    |
| 4   | 5241.000        | 99.90            | -3.70       | --             | --              | Peak     | 129.00         | 150         | Horizontal | N/A     |
| 4** | 5241.000        | 92.57            | -3.70       | --             | --              | AV       | 129.00         | 150         | Horizontal | N/A     |
| 5   | 7560.337        | 48.67            | -1.76       | 74.0           | -25.33          | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 5** | 7560.337        | 40.09            | -1.76       | 54.0           | -13.91          | AV       | 90.00          | 150         | Horizontal | Pass    |
| 6   | 11685.675       | 50.85            | 2.41        | 74.0           | -23.15          | Peak     | 63.00          | 150         | Horizontal | Pass    |
| 6** | 11685.675       | 42.39            | 2.41        | 54.0           | -11.61          | AV       | 63.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1539.100        | 37.75            | -17.75      | 74.0           | -36.25          | Peak     | 117.00         | 150         | Vertical | Pass    |
| 1** | 1539.100        | 29.55            | -17.75      | 54.0           | -24.45          | AV       | 117.00         | 150         | Vertical | Pass    |
| 2   | 2815.800        | 43.87            | -10.69      | 74.0           | -30.13          | Peak     | 356.00         | 150         | Vertical | Pass    |
| 2** | 2815.800        | 33.93            | -10.69      | 54.0           | -20.07          | AV       | 356.00         | 150         | Vertical | Pass    |
| 3   | 3989.800        | 47.07            | -5.85       | 74.0           | -26.93          | Peak     | 157.00         | 150         | Vertical | Pass    |
| 3** | 3989.800        | 36.71            | -5.85       | 54.0           | -17.29          | AV       | 157.00         | 150         | Vertical | Pass    |
| 4   | 5242.600        | 97.36            | -3.72       | --             | --              | Peak     | 88.00          | 150         | Vertical | N/A     |
| 4** | 5242.600        | 89.75            | -3.72       | --             | --              | AV       | 88.00          | 150         | Vertical | N/A     |
| 5   | 7428.663        | 48.22            | -2.20       | 74.0           | -25.78          | Peak     | 70.00          | 150         | Vertical | Pass    |
| 5** | 7428.663        | 38.95            | -2.20       | 54.0           | -15.05          | AV       | 70.00          | 150         | Vertical | Pass    |
| 6   | 12244.575       | 51.24            | 2.65        | 74.0           | -22.76          | Peak     | 57.00          | 150         | Vertical | Pass    |
| 6** | 12244.575       | 42.39            | 2.65        | 54.0           | -11.61          | AV       | 57.00          | 150         | Vertical | Pass    |



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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1528.900        | 37.87            | -17.75      | 74.0           | -36.13          | Peak     | 2.00           | 150         | Horizontal | Pass    |
| 1** | 1528.900        | 29.30            | -17.75      | 54.0           | -24.70          | AV       | 2.00           | 150         | Horizontal | Pass    |
| 2   | 2813.100        | 43.50            | -10.82      | 74.0           | -30.50          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2813.100        | 33.68            | -10.82      | 54.0           | -20.32          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4055.800        | 46.55            | -5.46       | 74.0           | -27.45          | Peak     | 48.00          | 150         | Horizontal | Pass    |
| 3** | 4055.800        | 37.83            | -5.46       | 54.0           | -16.17          | AV       | 48.00          | 150         | Horizontal | Pass    |
| 4   | 5192.400        | 95.37            | -3.26       | --             | --              | Peak     | 119.00         | 150         | Horizontal | N/A     |
| 4** | 5192.400        | 86.40            | -3.26       | --             | --              | AV       | 119.00         | 150         | Horizontal | N/A     |
| 5   | 7395.600        | 48.90            | -1.60       | 74.0           | -25.10          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 5** | 7395.600        | 39.74            | -1.60       | 54.0           | -14.26          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 6   | 11688.838       | 51.51            | 2.39        | 74.0           | -22.49          | Peak     | 170.00         | 150         | Horizontal | Pass    |
| 6** | 11688.838       | 41.33            | 2.39        | 54.0           | -12.67          | AV       | 170.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1567.900        | 38.17            | -17.59      | 74.0           | -35.83          | Peak     | 32.00          | 150         | Vertical | Pass    |
| 1** | 1567.900        | 28.57            | -17.59      | 54.0           | -25.43          | AV       | 32.00          | 150         | Vertical | Pass    |
| 2   | 2758.300        | 42.70            | -10.96      | 74.0           | -31.30          | Peak     | 197.00         | 150         | Vertical | Pass    |
| 2** | 2758.300        | 33.32            | -10.96      | 54.0           | -20.68          | AV       | 197.00         | 150         | Vertical | Pass    |
| 3   | 4235.200        | 47.53            | -5.16       | 74.0           | -26.47          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 3** | 4235.200        | 39.07            | -5.16       | 54.0           | -14.93          | AV       | 38.00          | 150         | Vertical | Pass    |
| 4   | 5194.400        | 91.92            | -3.29       | --             | --              | Peak     | 244.00         | 150         | Vertical | N/A     |
| 4** | 5194.400        | 84.51            | -3.29       | --             | --              | AV       | 244.00         | 150         | Vertical | N/A     |
| 5   | 7384.675        | 48.37            | -1.76       | 74.0           | -25.63          | Peak     | 27.00          | 150         | Vertical | Pass    |
| 5** | 7384.675        | 38.83            | -1.76       | 54.0           | -15.17          | AV       | 27.00          | 150         | Vertical | Pass    |
| 6   | 12222.725       | 51.60            | 2.60        | 74.0           | -22.40          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 6** | 12222.725       | 42.25            | 2.60        | 54.0           | -11.75          | AV       | 150.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1524.600        | 38.16            | -17.70      | 74.0           | -35.84          | Peak     | 220.00         | 150         | Horizontal | Pass    |
| 1** | 1524.600        | 28.50            | -17.70      | 54.0           | -25.50          | AV       | 220.00         | 150         | Horizontal | Pass    |
| 2   | 2743.900        | 42.46            | -10.68      | 74.0           | -31.54          | Peak     | 297.00         | 150         | Horizontal | Pass    |
| 2** | 2743.900        | 33.63            | -10.68      | 54.0           | -20.37          | AV       | 297.00         | 150         | Horizontal | Pass    |
| 3   | 4067.800        | 46.64            | -5.41       | 74.0           | -27.36          | Peak     | 206.00         | 150         | Horizontal | Pass    |
| 3** | 4067.800        | 36.54            | -5.41       | 54.0           | -17.46          | AV       | 206.00         | 150         | Horizontal | Pass    |
| 4   | 5231.400        | 96.15            | -3.59       | --             | --              | Peak     | 126.00         | 150         | Horizontal | N/A     |
| 4** | 5231.400        | 88.57            | -3.59       | --             | --              | AV       | 126.00         | 150         | Horizontal | N/A     |
| 5   | 7490.187        | 48.66            | -1.82       | 74.0           | -25.34          | Peak     | 36.00          | 150         | Horizontal | Pass    |
| 5** | 7490.187        | 38.96            | -1.82       | 54.0           | -15.04          | AV       | 36.00          | 150         | Horizontal | Pass    |
| 6   | 12224.451       | 52.31            | 2.61        | 74.0           | -21.69          | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 6** | 12224.451       | 42.92            | 2.61        | 54.0           | -11.08          | AV       | 88.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1499.500        | 37.70            | -17.74      | 74.0           | -36.30          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 1** | 1499.500        | 28.48            | -17.74      | 54.0           | -25.52          | AV       | 210.00         | 150         | Vertical | Pass    |
| 2   | 2846.300        | 42.86            | -10.80      | 74.0           | -31.14          | Peak     | 258.00         | 150         | Vertical | Pass    |
| 2** | 2846.300        | 33.26            | -10.80      | 54.0           | -20.74          | AV       | 258.00         | 150         | Vertical | Pass    |
| 3   | 3941.000        | 46.44            | -6.29       | 74.0           | -27.56          | Peak     | 333.00         | 150         | Vertical | Pass    |
| 3** | 3941.000        | 37.89            | -6.29       | 54.0           | -16.11          | AV       | 333.00         | 150         | Vertical | Pass    |
| 4   | 5228.400        | 94.21            | -3.53       | --             | --              | Peak     | 126.00         | 150         | Vertical | N/A     |
| 4** | 5228.400        | 86.16            | -3.53       | --             | --              | AV       | 126.00         | 150         | Vertical | N/A     |
| 5   | 7506.862        | 48.64            | -1.85       | 74.0           | -25.36          | Peak     | 128.00         | 150         | Vertical | Pass    |
| 5** | 7506.862        | 38.71            | -1.85       | 54.0           | -15.29          | AV       | 128.00         | 150         | Vertical | Pass    |
| 6   | 11705.513       | 50.91            | 2.22        | 74.0           | -23.09          | Peak     | 77.00          | 150         | Vertical | Pass    |
| 6** | 11705.513       | 42.41            | 2.22        | 54.0           | -11.59          | AV       | 77.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1535.900        | 38.43            | -17.69      | 74.0           | -35.57          | Peak     | 339.00         | 150         | Horizontal | Pass    |
| 1** | 1535.900        | 28.54            | -17.69      | 54.0           | -25.46          | AV       | 339.00         | 150         | Horizontal | Pass    |
| 2   | 2787.500        | 42.74            | -11.07      | 74.0           | -31.26          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 2** | 2787.500        | 34.23            | -11.07      | 54.0           | -19.77          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 3   | 3962.200        | 47.29            | -5.42       | 74.0           | -26.71          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 3** | 3962.200        | 37.32            | -5.42       | 54.0           | -16.68          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 4   | 5212.800        | 93.71            | -3.42       | --             | --              | Peak     | 125.00         | 150         | Horizontal | N/A     |
| 4** | 5212.800        | 86.11            | -3.42       | --             | --              | AV       | 125.00         | 150         | Horizontal | N/A     |
| 5   | 7401.062        | 48.90            | -1.63       | 74.0           | -25.10          | Peak     | 262.00         | 150         | Horizontal | Pass    |
| 5** | 7401.062        | 39.36            | -1.63       | 54.0           | -14.64          | AV       | 262.00         | 150         | Horizontal | Pass    |
| 6   | 11657.787       | 51.76            | 2.52        | 74.0           | -22.24          | Peak     | 231.00         | 150         | Horizontal | Pass    |
| 6** | 11657.787       | 41.97            | 2.52        | 54.0           | -12.03          | AV       | 231.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1510.400        | 37.53            | -17.80      | 74.0           | -36.47          | Peak     | 233.00         | 150         | Vertical | Pass    |
| 1** | 1510.400        | 28.88            | -17.80      | 54.0           | -25.12          | AV       | 233.00         | 150         | Vertical | Pass    |
| 2   | 2724.400        | 43.22            | -10.77      | 74.0           | -30.78          | Peak     | 50.00          | 150         | Vertical | Pass    |
| 2** | 2724.400        | 33.10            | -10.77      | 54.0           | -20.90          | AV       | 50.00          | 150         | Vertical | Pass    |
| 3   | 4271.200        | 47.77            | -4.79       | 74.0           | -26.23          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4271.200        | 38.29            | -4.79       | 54.0           | -15.71          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5213.200        | 91.61            | -3.42       | --             | --              | Peak     | 99.00          | 150         | Vertical | N/A     |
| 4** | 5213.200        | 83.27            | -3.42       | --             | --              | AV       | 99.00          | 150         | Vertical | N/A     |
| 5   | 7535.900        | 48.22            | -1.74       | 74.0           | -25.78          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 7535.900        | 38.99            | -1.74       | 54.0           | -15.01          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 11649.162       | 51.15            | 2.55        | 74.0           | -22.85          | Peak     | 354.00         | 150         | Vertical | Pass    |
| 6** | 11649.162       | 41.88            | 2.55        | 54.0           | -12.12          | AV       | 354.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1172.100        | 37.42            | -18.47      | 74.0           | -36.58          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 1** | 1172.100        | 27.11            | -18.47      | 54.0           | -26.89          | AV       | 190.00         | 150         | Horizontal | Pass    |
| 2   | 1393.300        | 38.97            | -17.51      | 74.0           | -35.03          | Peak     | 82.00          | 150         | Horizontal | Pass    |
| 2** | 1393.300        | 28.90            | -17.51      | 54.0           | -25.10          | AV       | 82.00          | 150         | Horizontal | Pass    |
| 3   | 3974.800        | 47.28            | -5.57       | 74.0           | -26.72          | Peak     | 266.00         | 150         | Horizontal | Pass    |
| 3** | 3974.800        | 37.18            | -5.57       | 54.0           | -16.82          | AV       | 266.00         | 150         | Horizontal | Pass    |
| 4   | 5747.600        | 101.57           | -3.59       | --             | --              | Peak     | 131.00         | 150         | Horizontal | N/A     |
| 4** | 5747.600        | 93.72            | -3.59       | --             | --              | AV       | 131.00         | 150         | Horizontal | N/A     |
| 5   | 7575.862        | 48.37            | -2.13       | 74.0           | -25.63          | Peak     | 273.00         | 150         | Horizontal | Pass    |
| 5** | 7575.862        | 38.74            | -2.13       | 54.0           | -15.26          | AV       | 273.00         | 150         | Horizontal | Pass    |
| 6   | 11679.925       | 51.50            | 2.44        | 74.0           | -22.50          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 6** | 11679.925       | 41.92            | 2.44        | 54.0           | -12.08          | AV       | 119.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1113.800        | 37.34            | -18.51      | 74.0           | -36.66          | Peak     | 232.00         | 150         | Vertical | Pass    |
| 1** | 1113.800        | 26.49            | -18.51      | 54.0           | -27.51          | AV       | 232.00         | 150         | Vertical | Pass    |
| 2   | 1514.900        | 38.23            | -17.78      | 74.0           | -35.77          | Peak     | 95.00          | 150         | Vertical | Pass    |
| 2** | 1514.900        | 28.51            | -17.78      | 54.0           | -25.49          | AV       | 95.00          | 150         | Vertical | Pass    |
| 3   | 4250.800        | 47.64            | -4.71       | 74.0           | -26.36          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4250.800        | 38.31            | -4.71       | 54.0           | -15.69          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5741.200        | 97.10            | -3.61       | --             | --              | Peak     | 12.00          | 150         | Vertical | N/A     |
| 4** | 5741.200        | 89.31            | -3.61       | --             | --              | AV       | 12.00          | 150         | Vertical | N/A     |
| 5   | 7381.513        | 48.39            | -1.72       | 74.0           | -25.61          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 7381.513        | 39.77            | -1.72       | 54.0           | -14.23          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 12216.688       | 51.78            | 2.59        | 74.0           | -22.22          | Peak     | 312.00         | 150         | Vertical | Pass    |
| 6** | 12216.688       | 41.81            | 2.59        | 54.0           | -12.19          | AV       | 312.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1198.100        | 37.29            | -18.18      | 74.0           | -36.71          | Peak     | -1.00          | 150         | Horizontal | Pass    |
| 1** | 1198.100        | 27.68            | -18.18      | 54.0           | -26.32          | AV       | -1.00          | 150         | Horizontal | Pass    |
| 2   | 1514.400        | 37.79            | -17.79      | 74.0           | -36.21          | Peak     | 148.00         | 150         | Horizontal | Pass    |
| 2** | 1514.400        | 28.09            | -17.79      | 54.0           | -25.91          | AV       | 148.00         | 150         | Horizontal | Pass    |
| 3   | 4211.600        | 47.28            | -4.94       | 74.0           | -26.72          | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 3** | 4211.600        | 37.64            | -4.94       | 54.0           | -16.36          | AV       | 191.00         | 150         | Horizontal | Pass    |
| 4   | 5786.000        | 101.73           | -3.00       | --             | --              | Peak     | 135.00         | 150         | Horizontal | N/A     |
| 4** | 5786.000        | 94.13            | -3.00       | --             | --              | AV       | 135.00         | 150         | Horizontal | N/A     |
| 5   | 7559.187        | 49.16            | -1.71       | 74.0           | -24.84          | Peak     | 28.00          | 150         | Horizontal | Pass    |
| 5** | 7559.187        | 39.44            | -1.71       | 54.0           | -14.56          | AV       | 28.00          | 150         | Horizontal | Pass    |
| 6   | 11641.975       | 51.62            | 2.47        | 74.0           | -22.38          | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 6** | 11641.975       | 42.01            | 2.47        | 54.0           | -11.99          | AV       | 140.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1210.100        | 37.30            | -18.07      | 74.0           | -36.70          | Peak     | 304.00         | 150         | Vertical | Pass    |
| 1** | 1210.100        | 28.09            | -18.07      | 54.0           | -25.91          | AV       | 304.00         | 150         | Vertical | Pass    |
| 2   | 1574.600        | 38.38            | -17.56      | 74.0           | -35.62          | Peak     | 163.00         | 150         | Vertical | Pass    |
| 2** | 1574.600        | 28.94            | -17.56      | 54.0           | -25.06          | AV       | 163.00         | 150         | Vertical | Pass    |
| 3   | 4241.200        | 48.04            | -5.07       | 74.0           | -25.96          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 3** | 4241.200        | 38.52            | -5.07       | 54.0           | -15.48          | AV       | 357.00         | 150         | Vertical | Pass    |
| 4   | 5783.200        | 98.28            | -3.06       | --             | --              | Peak     | 139.00         | 150         | Vertical | N/A     |
| 4** | 5783.200        | 90.99            | -3.06       | --             | --              | AV       | 139.00         | 150         | Vertical | N/A     |
| 5   | 7409.400        | 48.63            | -1.75       | 74.0           | -25.37          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 5** | 7409.400        | 40.07            | -1.75       | 54.0           | -13.93          | AV       | 303.00         | 150         | Vertical | Pass    |
| 6   | 11645.425       | 51.12            | 2.51        | 74.0           | -22.88          | Peak     | 230.00         | 150         | Vertical | Pass    |
| 6** | 11645.425       | 42.89            | 2.51        | 54.0           | -11.11          | AV       | 230.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1175.100        | 37.07            | -18.49      | 74.0           | -36.93          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 1** | 1175.100        | 27.48            | -18.49      | 54.0           | -26.52          | AV       | 58.00          | 150         | Horizontal | Pass    |
| 2   | 1408.800        | 38.28            | -17.38      | 74.0           | -35.72          | Peak     | 303.00         | 150         | Horizontal | Pass    |
| 2** | 1408.800        | 28.27            | -17.38      | 54.0           | -25.73          | AV       | 303.00         | 150         | Horizontal | Pass    |
| 3   | 4255.400        | 47.70            | -4.73       | 74.0           | -26.30          | Peak     | 259.00         | 150         | Horizontal | Pass    |
| 3** | 4255.400        | 37.87            | -4.73       | 54.0           | -16.13          | AV       | 259.00         | 150         | Horizontal | Pass    |
| 4   | 5823.400        | 101.72           | -2.75       | --             | --              | Peak     | 137.00         | 150         | Horizontal | N/A     |
| 4** | 5823.400        | 94.18            | -2.75       | --             | --              | AV       | 137.00         | 150         | Horizontal | N/A     |
| 5   | 7553.150        | 48.09            | -1.56       | 74.0           | -25.91          | Peak     | 171.00         | 150         | Horizontal | Pass    |
| 5** | 7553.150        | 39.45            | -1.56       | 54.0           | -14.55          | AV       | 171.00         | 150         | Horizontal | Pass    |
| 6   | 11652.612       | 51.18            | 2.55        | 74.0           | -22.82          | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 6** | 11652.612       | 42.78            | 2.55        | 54.0           | -11.22          | AV       | 191.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1177.900        | 37.63            | -18.44      | 74.0           | -36.37          | Peak     | 334.00         | 150         | Vertical | Pass    |
| 1** | 1177.900        | 28.06            | -18.44      | 54.0           | -25.94          | AV       | 334.00         | 150         | Vertical | Pass    |
| 2   | 1353.700        | 37.98            | -17.58      | 74.0           | -36.02          | Peak     | 131.00         | 150         | Vertical | Pass    |
| 2** | 1353.700        | 30.38            | -17.58      | 54.0           | -23.62          | AV       | 131.00         | 150         | Vertical | Pass    |
| 3   | 4257.600        | 47.25            | -4.77       | 74.0           | -26.75          | Peak     | 24.00          | 150         | Vertical | Pass    |
| 3** | 4257.600        | 38.05            | -4.77       | 54.0           | -15.95          | AV       | 24.00          | 150         | Vertical | Pass    |
| 4   | 5822.600        | 99.61            | -2.75       | --             | --              | Peak     | 14.00          | 150         | Vertical | N/A     |
| 4** | 5822.600        | 91.40            | -2.75       | --             | --              | AV       | 14.00          | 150         | Vertical | N/A     |
| 5   | 7558.900        | 48.91            | -1.69       | 74.0           | -25.09          | Peak     | 87.00          | 150         | Vertical | Pass    |
| 5** | 7558.900        | 39.24            | -1.69       | 54.0           | -14.76          | AV       | 87.00          | 150         | Vertical | Pass    |
| 6   | 12327.375       | 51.58            | 2.16        | 74.0           | -22.42          | Peak     | 293.00         | 150         | Vertical | Pass    |
| 6** | 12327.375       | 41.38            | 2.16        | 54.0           | -12.62          | AV       | 293.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.100        | 36.45            | -18.64      | 74.0           | -37.55          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 1** | 1062.100        | 27.21            | -18.64      | 54.0           | -26.79          | AV       | 285.00         | 150         | Horizontal | Pass    |
| 2   | 1517.600        | 38.29            | -17.74      | 74.0           | -35.71          | Peak     | 133.00         | 150         | Horizontal | Pass    |
| 2** | 1517.600        | 29.05            | -17.74      | 54.0           | -24.95          | AV       | 133.00         | 150         | Horizontal | Pass    |
| 3   | 4182.200        | 47.57            | -5.03       | 74.0           | -26.43          | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 3** | 4182.200        | 38.34            | -5.03       | 54.0           | -15.66          | AV       | 61.00          | 150         | Horizontal | Pass    |
| 4   | 5746.800        | 100.87           | -3.59       | --             | --              | Peak     | 136.00         | 150         | Horizontal | N/A     |
| 4** | 5746.800        | 93.66            | -3.59       | --             | --              | AV       | 136.00         | 150         | Horizontal | N/A     |
| 5   | 7376.050        | 49.51            | -1.76       | 74.0           | -24.49          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 5** | 7376.050        | 39.45            | -1.76       | 54.0           | -14.55          | AV       | 343.00         | 150         | Horizontal | Pass    |
| 6   | 11646.000       | 52.31            | 2.51        | 74.0           | -21.69          | Peak     | 97.00          | 150         | Horizontal | Pass    |
| 6** | 11646.000       | 42.82            | 2.51        | 54.0           | -11.18          | AV       | 97.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1107.500        | 36.37            | -18.39      | 74.0           | -37.63          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1107.500        | 27.68            | -18.39      | 54.0           | -26.32          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 1394.600        | 38.29            | -17.54      | 74.0           | -35.71          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1394.600        | 28.00            | -17.54      | 54.0           | -26.00          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4060.200        | 46.40            | -5.50       | 74.0           | -27.60          | Peak     | 275.00         | 150         | Vertical | Pass    |
| 3** | 4060.200        | 37.10            | -5.50       | 54.0           | -16.90          | AV       | 275.00         | 150         | Vertical | Pass    |
| 4   | 5746.800        | 97.83            | -3.59       | --             | --              | Peak     | 14.00          | 150         | Vertical | N/A     |
| 4** | 5746.800        | 90.85            | -3.59       | --             | --              | AV       | 14.00          | 150         | Vertical | N/A     |
| 5   | 7554.300        | 48.34            | -1.56       | 74.0           | -25.66          | Peak     | 88.00          | 150         | Vertical | Pass    |
| 5** | 7554.300        | 39.59            | -1.56       | 54.0           | -14.41          | AV       | 88.00          | 150         | Vertical | Pass    |
| 6   | 12220.713       | 51.95            | 2.60        | 74.0           | -22.05          | Peak     | 58.00          | 150         | Vertical | Pass    |
| 6** | 12220.713       | 42.24            | 2.60        | 54.0           | -11.76          | AV       | 58.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1199.000        | 37.29            | -18.17      | 74.0           | -36.71          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 1** | 1199.000        | 27.84            | -18.17      | 54.0           | -26.16          | AV       | 1.00           | 150         | Horizontal | Pass    |
| 2   | 1530.000        | 37.70            | -17.77      | 74.0           | -36.30          | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 2** | 1530.000        | 28.30            | -17.77      | 54.0           | -25.70          | AV       | 309.00         | 150         | Horizontal | Pass    |
| 3   | 4302.000        | 47.45            | -4.90       | 74.0           | -26.55          | Peak     | 270.00         | 150         | Horizontal | Pass    |
| 3** | 4302.000        | 37.46            | -4.90       | 54.0           | -16.54          | AV       | 270.00         | 150         | Horizontal | Pass    |
| 4   | 5787.800        | 100.95           | -2.96       | --             | --              | Peak     | 138.00         | 150         | Horizontal | N/A     |
| 4** | 5787.800        | 93.42            | -2.96       | --             | --              | AV       | 138.00         | 150         | Horizontal | N/A     |
| 5   | 7396.175        | 49.20            | -1.62       | 74.0           | -24.80          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 5** | 7396.175        | 40.15            | -1.62       | 54.0           | -13.85          | AV       | 333.00         | 150         | Horizontal | Pass    |
| 6   | 16109.213       | 53.15            | 6.85        | 74.0           | -20.85          | Peak     | 141.00         | 150         | Horizontal | Pass    |
| 6** | 16109.213       | 47.97            | 6.85        | 54.0           | -6.03           | AV       | 141.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1199.800        | 37.50            | -18.17      | 74.0           | -36.50          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 1** | 1199.800        | 27.78            | -18.17      | 54.0           | -26.22          | AV       | 111.00         | 150         | Vertical | Pass    |
| 2   | 1491.500        | 38.30            | -17.73      | 74.0           | -35.70          | Peak     | 201.00         | 150         | Vertical | Pass    |
| 2** | 1491.500        | 29.63            | -17.73      | 54.0           | -24.37          | AV       | 201.00         | 150         | Vertical | Pass    |
| 3   | 4219.400        | 47.31            | -4.76       | 74.0           | -26.69          | Peak     | 54.00          | 150         | Vertical | Pass    |
| 3** | 4219.400        | 37.69            | -4.76       | 54.0           | -16.31          | AV       | 54.00          | 150         | Vertical | Pass    |
| 4   | 5786.400        | 98.95            | -2.99       | --             | --              | Peak     | 14.00          | 150         | Vertical | N/A     |
| 4** | 5786.400        | 90.82            | -2.99       | --             | --              | AV       | 14.00          | 150         | Vertical | N/A     |
| 5   | 7579.313        | 48.88            | -2.21       | 74.0           | -25.12          | Peak     | 74.00          | 150         | Vertical | Pass    |
| 5** | 7579.313        | 39.04            | -2.21       | 54.0           | -14.96          | AV       | 74.00          | 150         | Vertical | Pass    |
| 6   | 11672.450       | 52.23            | 2.47        | 74.0           | -21.77          | Peak     | 354.00         | 150         | Vertical | Pass    |
| 6** | 11672.450       | 42.44            | 2.47        | 54.0           | -11.56          | AV       | 354.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1144.100        | 37.67            | -18.38      | 74.0           | -36.33          | Peak     | 30.00          | 150         | Horizontal | Pass    |
| 1** | 1144.100        | 27.59            | -18.38      | 54.0           | -26.41          | AV       | 30.00          | 150         | Horizontal | Pass    |
| 2   | 1334.400        | 37.87            | -17.75      | 74.0           | -36.13          | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 2** | 1334.400        | 28.07            | -17.75      | 54.0           | -25.93          | AV       | 129.00         | 150         | Horizontal | Pass    |
| 3   | 4252.600        | 48.09            | -4.72       | 74.0           | -25.91          | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 3** | 4252.600        | 38.31            | -4.72       | 54.0           | -15.69          | AV       | 162.00         | 150         | Horizontal | Pass    |
| 4   | 5823.800        | 101.89           | -2.75       | --             | --              | Peak     | 143.00         | 150         | Horizontal | N/A     |
| 4** | 5823.800        | 94.20            | -2.75       | --             | --              | AV       | 143.00         | 150         | Horizontal | N/A     |
| 5   | 7519.513        | 48.86            | -1.65       | 74.0           | -25.14          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 5** | 7519.513        | 38.37            | -1.65       | 54.0           | -15.63          | AV       | 35.00          | 150         | Horizontal | Pass    |
| 6   | 11690.563       | 51.54            | 2.38        | 74.0           | -22.46          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 6** | 11690.563       | 41.62            | 2.38        | 54.0           | -12.38          | AV       | 1.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1195.800        | 37.43            | -18.19      | 74.0           | -36.57          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 1** | 1195.800        | 28.11            | -18.19      | 54.0           | -25.89          | AV       | 218.00         | 150         | Vertical | Pass    |
| 2   | 1597.100        | 38.08            | -17.78      | 74.0           | -35.92          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 2** | 1597.100        | 29.29            | -17.78      | 54.0           | -24.71          | AV       | 211.00         | 150         | Vertical | Pass    |
| 3   | 4275.400        | 47.36            | -4.77       | 74.0           | -26.64          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4275.400        | 37.67            | -4.77       | 54.0           | -16.33          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5823.200        | 97.68            | -2.75       | --             | --              | Peak     | 14.00          | 150         | Vertical | N/A     |
| 4** | 5823.200        | 90.00            | -2.75       | --             | --              | AV       | 14.00          | 150         | Vertical | N/A     |
| 5   | 7539.062        | 48.68            | -1.69       | 74.0           | -25.32          | Peak     | 45.00          | 150         | Vertical | Pass    |
| 5** | 7539.062        | 39.64            | -1.69       | 54.0           | -14.36          | AV       | 45.00          | 150         | Vertical | Pass    |
| 6   | 12229.625       | 51.41            | 2.62        | 74.0           | -22.59          | Peak     | 159.00         | 150         | Vertical | Pass    |
| 6** | 12229.625       | 42.21            | 2.62        | 54.0           | -11.79          | AV       | 159.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1155.000        | 36.62            | -18.38      | 74.0           | -37.38          | Peak     | 163.00         | 150         | Horizontal | Pass    |
| 1** | 1155.000        | 27.10            | -18.38      | 54.0           | -26.90          | AV       | 163.00         | 150         | Horizontal | Pass    |
| 2   | 1548.900        | 37.90            | -17.71      | 74.0           | -36.10          | Peak     | 115.00         | 150         | Horizontal | Pass    |
| 2** | 1548.900        | 28.94            | -17.71      | 54.0           | -25.06          | AV       | 115.00         | 150         | Horizontal | Pass    |
| 3   | 4284.200        | 47.57            | -4.68       | 74.0           | -26.43          | Peak     | 101.00         | 150         | Horizontal | Pass    |
| 3** | 4284.200        | 37.85            | -4.68       | 54.0           | -16.15          | AV       | 101.00         | 150         | Horizontal | Pass    |
| 4   | 5753.400        | 99.17            | -3.50       | --             | --              | Peak     | 138.00         | 150         | Horizontal | N/A     |
| 4** | 5753.400        | 90.53            | -3.50       | --             | --              | AV       | 138.00         | 150         | Horizontal | N/A     |
| 5   | 7562.925        | 48.27            | -1.84       | 74.0           | -25.73          | Peak     | 89.00          | 150         | Horizontal | Pass    |
| 5** | 7562.925        | 39.40            | -1.84       | 54.0           | -14.60          | AV       | 89.00          | 150         | Horizontal | Pass    |
| 6   | 12202.888       | 51.63            | 2.56        | 74.0           | -22.37          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 6** | 12202.888       | 42.47            | 2.56        | 54.0           | -11.53          | AV       | 343.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1196.500        | 37.50            | -18.19      | 74.0           | -36.50          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 1** | 1196.500        | 28.11            | -18.19      | 54.0           | -25.89          | AV       | 227.00         | 150         | Vertical | Pass    |
| 2   | 1578.800        | 38.60            | -17.52      | 74.0           | -35.40          | Peak     | 361.00         | 150         | Vertical | Pass    |
| 2** | 1578.800        | 28.49            | -17.52      | 54.0           | -25.51          | AV       | 361.00         | 150         | Vertical | Pass    |
| 3   | 4792.200        | 48.39            | -3.70       | 74.0           | -25.61          | Peak     | 158.00         | 150         | Vertical | Pass    |
| 3** | 4792.200        | 38.03            | -3.70       | 54.0           | -15.97          | AV       | 158.00         | 150         | Vertical | Pass    |
| 4   | 5747.800        | 95.20            | -3.60       | --             | --              | Peak     | 14.00          | 150         | Vertical | N/A     |
| 4** | 5747.800        | 86.28            | -3.60       | --             | --              | AV       | 14.00          | 150         | Vertical | N/A     |
| 5   | 7557.750        | 49.42            | -1.67       | 74.0           | -24.58          | Peak     | 333.00         | 150         | Vertical | Pass    |
| 5** | 7557.750        | 40.24            | -1.67       | 54.0           | -13.76          | AV       | 333.00         | 150         | Vertical | Pass    |
| 6   | 11697.750       | 51.60            | 2.32        | 74.0           | -22.40          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 6** | 11697.750       | 42.58            | 2.32        | 54.0           | -11.42          | AV       | 221.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1210.800        | 39.22            | -18.00      | 74.0           | -34.78          | Peak     | 16.00          | 150         | Horizontal | Pass    |
| 1** | 1210.800        | 27.92            | -18.00      | 54.0           | -26.08          | AV       | 16.00          | 150         | Horizontal | Pass    |
| 2   | 1582.800        | 38.63            | -17.61      | 74.0           | -35.37          | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 2** | 1582.800        | 29.02            | -17.61      | 54.0           | -24.98          | AV       | 257.00         | 150         | Horizontal | Pass    |
| 3   | 4233.600        | 47.08            | -5.09       | 74.0           | -26.92          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 3** | 4233.600        | 38.38            | -5.09       | 54.0           | -15.62          | AV       | 267.00         | 150         | Horizontal | Pass    |
| 4   | 5796.600        | 99.14            | -2.74       | --             | --              | Peak     | 138.00         | 150         | Horizontal | N/A     |
| 4** | 5796.600        | 91.40            | -2.74       | --             | --              | AV       | 138.00         | 150         | Horizontal | N/A     |
| 5   | 7473.512        | 49.08            | -1.98       | 74.0           | -24.92          | Peak     | 231.00         | 150         | Horizontal | Pass    |
| 5** | 7473.512        | 38.95            | -1.98       | 54.0           | -15.05          | AV       | 231.00         | 150         | Horizontal | Pass    |
| 6   | 11649.738       | 51.41            | 2.55        | 74.0           | -22.59          | Peak     | 15.00          | 150         | Horizontal | Pass    |
| 6** | 11649.738       | 41.84            | 2.55        | 54.0           | -12.16          | AV       | 15.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1142.200        | 36.27            | -18.38      | 74.0           | -37.73          | Peak     | 162.00         | 150         | Vertical | Pass    |
| 1** | 1142.200        | 27.49            | -18.38      | 54.0           | -26.51          | AV       | 162.00         | 150         | Vertical | Pass    |
| 2   | 1564.800        | 37.92            | -17.63      | 74.0           | -36.08          | Peak     | 173.00         | 150         | Vertical | Pass    |
| 2** | 1564.800        | 28.17            | -17.63      | 54.0           | -25.83          | AV       | 173.00         | 150         | Vertical | Pass    |
| 3   | 4076.200        | 47.15            | -5.24       | 74.0           | -26.85          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 3** | 4076.200        | 37.91            | -5.24       | 54.0           | -16.09          | AV       | 210.00         | 150         | Vertical | Pass    |
| 4   | 5798.000        | 96.08            | -2.71       | --             | --              | Peak     | 12.00          | 150         | Vertical | N/A     |
| 4** | 5798.000        | 88.06            | -2.71       | --             | --              | AV       | 12.00          | 150         | Vertical | N/A     |
| 5   | 7407.675        | 48.15            | -1.73       | 74.0           | -25.85          | Peak     | 6.00           | 150         | Vertical | Pass    |
| 5** | 7407.675        | 39.19            | -1.73       | 54.0           | -14.81          | AV       | 6.00           | 150         | Vertical | Pass    |
| 6   | 11641.687       | 51.50            | 2.46        | 74.0           | -22.50          | Peak     | 16.00          | 150         | Vertical | Pass    |
| 6** | 11641.687       | 42.19            | 2.46        | 54.0           | -11.81          | AV       | 16.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1143.500        | 36.70            | -18.38      | 74.0           | -37.30          | Peak     | 93.00          | 150         | Horizontal | Pass    |
| 1** | 1143.500        | 27.46            | -18.38      | 54.0           | -26.54          | AV       | 93.00          | 150         | Horizontal | Pass    |
| 2   | 1540.800        | 37.69            | -17.75      | 74.0           | -36.31          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 2** | 1540.800        | 28.61            | -17.75      | 54.0           | -25.39          | AV       | 168.00         | 150         | Horizontal | Pass    |
| 3   | 4259.400        | 47.14            | -4.74       | 74.0           | -26.86          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 3** | 4259.400        | 37.98            | -4.74       | 54.0           | -16.02          | AV       | 225.00         | 150         | Horizontal | Pass    |
| 4   | 5746.000        | 100.73           | -3.58       | --             | --              | Peak     | 138.00         | 150         | Horizontal | N/A     |
| 4** | 5746.000        | 93.17            | -3.58       | --             | --              | AV       | 138.00         | 150         | Horizontal | N/A     |
| 5   | 7553.150        | 47.95            | -1.56       | 74.0           | -26.05          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7553.150        | 39.97            | -1.56       | 54.0           | -14.03          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11664.113       | 51.07            | 2.50        | 74.0           | -22.93          | Peak     | 23.00          | 150         | Horizontal | Pass    |
| 6** | 11664.113       | 42.46            | 2.50        | 54.0           | -11.54          | AV       | 23.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1039.700        | 36.43            | -18.52      | 74.0           | -37.57          | Peak     | 305.00         | 150         | Vertical | Pass    |
| 1** | 1039.700        | 25.81            | -18.52      | 54.0           | -28.19          | AV       | 305.00         | 150         | Vertical | Pass    |
| 2   | 1569.700        | 38.19            | -17.59      | 74.0           | -35.81          | Peak     | 269.00         | 150         | Vertical | Pass    |
| 2** | 1569.700        | 28.48            | -17.59      | 54.0           | -25.52          | AV       | 269.00         | 150         | Vertical | Pass    |
| 3   | 4792.000        | 48.11            | -3.70       | 74.0           | -25.89          | Peak     | 172.00         | 150         | Vertical | Pass    |
| 3** | 4792.000        | 38.55            | -3.70       | 54.0           | -15.45          | AV       | 172.00         | 150         | Vertical | Pass    |
| 4   | 5746.200        | 96.50            | -3.59       | --             | --              | Peak     | 12.00          | 150         | Vertical | N/A     |
| 4** | 5746.200        | 88.95            | -3.59       | --             | --              | AV       | 12.00          | 150         | Vertical | N/A     |
| 5   | 7518.362        | 48.49            | -1.72       | 74.0           | -25.51          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 5** | 7518.362        | 39.59            | -1.72       | 54.0           | -14.41          | AV       | 1.00           | 150         | Vertical | Pass    |
| 6   | 11631.912       | 51.30            | 2.36        | 74.0           | -22.70          | Peak     | 313.00         | 150         | Vertical | Pass    |
| 6** | 11631.912       | 41.97            | 2.36        | 54.0           | -12.03          | AV       | 313.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1148.600        | 36.69            | -18.38      | 74.0           | -37.31          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 1** | 1148.600        | 27.07            | -18.38      | 54.0           | -26.93          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 2   | 1526.600        | 38.01            | -17.74      | 74.0           | -35.99          | Peak     | 260.00         | 150         | Horizontal | Pass    |
| 2** | 1526.600        | 29.09            | -17.74      | 54.0           | -24.91          | AV       | 260.00         | 150         | Horizontal | Pass    |
| 3   | 4263.600        | 47.07            | -4.81       | 74.0           | -26.93          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 3** | 4263.600        | 38.00            | -4.81       | 54.0           | -16.00          | AV       | 76.00          | 150         | Horizontal | Pass    |
| 4   | 5784.000        | 101.95           | -3.04       | --             | --              | Peak     | 139.00         | 150         | Horizontal | N/A     |
| 4** | 5784.000        | 94.78            | -3.04       | --             | --              | AV       | 139.00         | 150         | Horizontal | N/A     |
| 5   | 7519.800        | 48.46            | -1.63       | 74.0           | -25.54          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7519.800        | 37.51            | -1.63       | 54.0           | -16.49          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11654.625       | 51.15            | 2.54        | 74.0           | -22.85          | Peak     | 322.00         | 150         | Horizontal | Pass    |
| 6** | 11654.625       | 42.25            | 2.54        | 54.0           | -11.75          | AV       | 322.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1185.300        | 36.93            | -18.26      | 74.0           | -37.07          | Peak     | 189.00         | 150         | Vertical | Pass    |
| 1** | 1185.300        | 27.69            | -18.26      | 54.0           | -26.31          | AV       | 189.00         | 150         | Vertical | Pass    |
| 2   | 1591.200        | 38.27            | -17.78      | 74.0           | -35.73          | Peak     | 189.00         | 150         | Vertical | Pass    |
| 2** | 1591.200        | 28.36            | -17.78      | 54.0           | -25.64          | AV       | 189.00         | 150         | Vertical | Pass    |
| 3   | 4002.000        | 46.94            | -5.67       | 74.0           | -27.06          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4002.000        | 38.12            | -5.67       | 54.0           | -15.88          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5786.200        | 97.39            | -3.00       | --             | --              | Peak     | 75.00          | 150         | Vertical | N/A     |
| 4** | 5786.200        | 89.88            | -3.00       | --             | --              | AV       | 75.00          | 150         | Vertical | N/A     |
| 5   | 7523.537        | 48.90            | -1.61       | 74.0           | -25.10          | Peak     | 118.00         | 150         | Vertical | Pass    |
| 5** | 7523.537        | 39.57            | -1.61       | 54.0           | -14.43          | AV       | 118.00         | 150         | Vertical | Pass    |
| 6   | 11685.675       | 51.37            | 2.41        | 74.0           | -22.63          | Peak     | 88.00          | 150         | Vertical | Pass    |
| 6** | 11685.675       | 43.01            | 2.41        | 54.0           | -10.99          | AV       | 88.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1095.100        | 36.02            | -18.57      | 74.0           | -37.98          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1095.100        | 27.64            | -18.57      | 54.0           | -26.36          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 1584.200        | 37.53            | -17.65      | 74.0           | -36.47          | Peak     | 84.00          | 150         | Horizontal | Pass    |
| 2** | 1584.200        | 28.69            | -17.65      | 54.0           | -25.31          | AV       | 84.00          | 150         | Horizontal | Pass    |
| 3   | 4190.400        | 47.07            | -5.29       | 74.0           | -26.93          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4190.400        | 37.60            | -5.29       | 54.0           | -16.40          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5823.200        | 100.25           | -2.75       | --             | --              | Peak     | 138.00         | 150         | Horizontal | N/A     |
| 4** | 5823.200        | 92.91            | -2.75       | --             | --              | AV       | 138.00         | 150         | Horizontal | N/A     |
| 5   | 7569.250        | 48.34            | -2.03       | 74.0           | -25.66          | Peak     | 176.00         | 150         | Horizontal | Pass    |
| 5** | 7569.250        | 39.04            | -2.03       | 54.0           | -14.96          | AV       | 176.00         | 150         | Horizontal | Pass    |
| 6   | 12218.988       | 51.71            | 2.60        | 74.0           | -22.29          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 12218.988       | 42.37            | 2.60        | 54.0           | -11.63          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1118.700        | 36.55            | -18.38      | 74.0           | -37.45          | Peak     | 174.00         | 150         | Vertical | Pass    |
| 1** | 1118.700        | 27.22            | -18.38      | 54.0           | -26.78          | AV       | 174.00         | 150         | Vertical | Pass    |
| 2   | 1580.000        | 38.05            | -17.52      | 74.0           | -35.95          | Peak     | 153.00         | 150         | Vertical | Pass    |
| 2** | 1580.000        | 28.56            | -17.52      | 54.0           | -25.44          | AV       | 153.00         | 150         | Vertical | Pass    |
| 3   | 4287.800        | 47.78            | -4.76       | 74.0           | -26.22          | Peak     | 234.00         | 150         | Vertical | Pass    |
| 3** | 4287.800        | 38.03            | -4.76       | 54.0           | -15.97          | AV       | 234.00         | 150         | Vertical | Pass    |
| 4   | 5822.800        | 98.05            | -2.75       | --             | --              | Peak     | 12.00          | 150         | Vertical | N/A     |
| 4** | 5822.800        | 90.44            | -2.75       | --             | --              | AV       | 12.00          | 150         | Vertical | N/A     |
| 5   | 7544.525        | 48.15            | -1.61       | 74.0           | -25.85          | Peak     | 241.00         | 150         | Vertical | Pass    |
| 5** | 7544.525        | 38.86            | -1.61       | 54.0           | -15.14          | AV       | 241.00         | 150         | Vertical | Pass    |
| 6   | 11622.713       | 51.86            | 2.25        | 74.0           | -22.14          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 6** | 11622.713       | 42.09            | 2.25        | 54.0           | -11.91          | AV       | 150.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1196.700        | 37.89            | -18.19      | 74.0           | -36.11          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1196.700        | 27.78            | -18.19      | 54.0           | -26.22          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 1520.800        | 38.10            | -17.69      | 74.0           | -35.90          | Peak     | 253.00         | 150         | Horizontal | Pass    |
| 2** | 1520.800        | 28.90            | -17.69      | 54.0           | -25.10          | AV       | 253.00         | 150         | Horizontal | Pass    |
| 3   | 4208.400        | 47.43            | -5.07       | 74.0           | -26.57          | Peak     | 36.00          | 150         | Horizontal | Pass    |
| 3** | 4208.400        | 37.92            | -5.07       | 54.0           | -16.08          | AV       | 36.00          | 150         | Horizontal | Pass    |
| 4   | 5757.400        | 98.39            | -3.51       | --             | --              | Peak     | 140.00         | 150         | Horizontal | N/A     |
| 4** | 5757.400        | 90.69            | -3.51       | --             | --              | AV       | 140.00         | 150         | Horizontal | N/A     |
| 5   | 7537.913        | 48.38            | -1.69       | 74.0           | -25.62          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 5** | 7537.913        | 39.69            | -1.69       | 54.0           | -14.31          | AV       | 252.00         | 150         | Horizontal | Pass    |
| 6   | 11649.162       | 51.24            | 2.55        | 74.0           | -22.76          | Peak     | 116.00         | 150         | Horizontal | Pass    |
| 6** | 11649.162       | 42.59            | 2.55        | 54.0           | -11.41          | AV       | 116.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1185.600        | 36.90            | -18.26      | 74.0           | -37.10          | Peak     | 162.00         | 150         | Vertical | Pass    |
| 1** | 1185.600        | 27.69            | -18.26      | 54.0           | -26.31          | AV       | 162.00         | 150         | Vertical | Pass    |
| 2   | 1568.100        | 37.99            | -17.59      | 74.0           | -36.01          | Peak     | 104.00         | 150         | Vertical | Pass    |
| 2** | 1568.100        | 28.36            | -17.59      | 54.0           | -25.64          | AV       | 104.00         | 150         | Vertical | Pass    |
| 3   | 4079.000        | 47.04            | -5.18       | 74.0           | -26.96          | Peak     | 139.00         | 150         | Vertical | Pass    |
| 3** | 4079.000        | 37.27            | -5.18       | 54.0           | -16.73          | AV       | 139.00         | 150         | Vertical | Pass    |
| 4   | 5758.600        | 93.74            | -3.52       | --             | --              | Peak     | 76.00          | 150         | Vertical | N/A     |
| 4** | 5758.600        | 86.37            | -3.52       | --             | --              | AV       | 76.00          | 150         | Vertical | N/A     |
| 5   | 7491.050        | 48.25            | -1.82       | 74.0           | -25.75          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 5** | 7491.050        | 39.93            | -1.82       | 54.0           | -14.07          | AV       | 1.00           | 150         | Vertical | Pass    |
| 6   | 12209.787       | 51.94            | 2.58        | 74.0           | -22.06          | Peak     | 58.00          | 150         | Vertical | Pass    |
| 6** | 12209.787       | 42.38            | 2.58        | 54.0           | -11.62          | AV       | 58.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1141.700        | 36.99            | -18.39      | 74.0           | -37.01          | Peak     | 108.00         | 150         | Horizontal | Pass    |
| 1** | 1141.700        | 27.63            | -18.39      | 54.0           | -26.37          | AV       | 108.00         | 150         | Horizontal | Pass    |
| 2   | 1569.700        | 38.20            | -17.59      | 74.0           | -35.80          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 1569.700        | 28.67            | -17.59      | 54.0           | -25.33          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4267.400        | 48.03            | -4.81       | 74.0           | -25.97          | Peak     | 91.00          | 150         | Horizontal | Pass    |
| 3** | 4267.400        | 38.72            | -4.81       | 54.0           | -15.28          | AV       | 91.00          | 150         | Horizontal | Pass    |
| 4   | 5797.400        | 98.93            | -2.72       | --             | --              | Peak     | 140.00         | 150         | Horizontal | N/A     |
| 4** | 5797.400        | 91.55            | -2.72       | --             | --              | AV       | 140.00         | 150         | Horizontal | N/A     |
| 5   | 7568.100        | 48.25            | -2.03       | 74.0           | -25.75          | Peak     | 167.00         | 150         | Horizontal | Pass    |
| 5** | 7568.100        | 38.57            | -2.03       | 54.0           | -15.43          | AV       | 167.00         | 150         | Horizontal | Pass    |
| 6   | 12242.275       | 51.57            | 2.65        | 74.0           | -22.43          | Peak     | 270.00         | 150         | Horizontal | Pass    |
| 6** | 12242.275       | 42.20            | 2.65        | 54.0           | -11.80          | AV       | 270.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1119.800        | 36.91            | -18.40      | 74.0           | -37.09          | Peak     | 34.00          | 150         | Vertical | Pass    |
| 1** | 1119.800        | 27.25            | -18.40      | 54.0           | -26.75          | AV       | 34.00          | 150         | Vertical | Pass    |
| 2   | 1522.900        | 37.89            | -17.67      | 74.0           | -36.11          | Peak     | 244.00         | 150         | Vertical | Pass    |
| 2** | 1522.900        | 29.85            | -17.67      | 54.0           | -24.15          | AV       | 244.00         | 150         | Vertical | Pass    |
| 3   | 4172.800        | 46.45            | -4.92       | 74.0           | -27.55          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4172.800        | 37.37            | -4.92       | 54.0           | -16.63          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5797.400        | 95.67            | -2.72       | --             | --              | Peak     | 12.00          | 150         | Vertical | N/A     |
| 4** | 5797.400        | 87.32            | -2.72       | --             | --              | AV       | 12.00          | 150         | Vertical | N/A     |
| 5   | 7544.813        | 49.21            | -1.60       | 74.0           | -24.79          | Peak     | 302.00         | 150         | Vertical | Pass    |
| 5** | 7544.813        | 39.51            | -1.60       | 54.0           | -14.49          | AV       | 302.00         | 150         | Vertical | Pass    |
| 6   | 11119.875       | 51.70            | 0.52        | 74.0           | -22.30          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 11119.875       | 40.02            | 0.52        | 54.0           | -13.98          | AV       | 0.00           | 150         | Vertical | Pass    |



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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1093.900        | 37.05            | -18.59      | 74.0           | -36.95          | Peak     | 347.00         | 150         | Horizontal | Pass    |
| 1** | 1093.900        | 26.75            | -18.59      | 54.0           | -27.25          | AV       | 347.00         | 150         | Horizontal | Pass    |
| 2   | 1581.100        | 38.46            | -17.53      | 74.0           | -35.54          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 2** | 1581.100        | 28.84            | -17.53      | 54.0           | -25.16          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 3   | 4038.000        | 47.59            | -5.32       | 74.0           | -26.41          | Peak     | 303.00         | 150         | Horizontal | Pass    |
| 3** | 4038.000        | 37.17            | -5.32       | 54.0           | -16.83          | AV       | 303.00         | 150         | Horizontal | Pass    |
| 4   | 5781.400        | 95.52            | -3.11       | --             | --              | Peak     | 140.00         | 150         | Horizontal | N/A     |
| 4** | 5781.400        | 87.47            | -3.11       | --             | --              | AV       | 140.00         | 150         | Horizontal | N/A     |
| 5   | 7530.725        | 48.51            | -1.64       | 74.0           | -25.49          | Peak     | 323.00         | 150         | Horizontal | Pass    |
| 5** | 7530.725        | 38.08            | -1.64       | 54.0           | -15.92          | AV       | 323.00         | 150         | Horizontal | Pass    |
| 6   | 12280.800       | 51.59            | 2.40        | 74.0           | -22.41          | Peak     | 100.00         | 150         | Horizontal | Pass    |
| 6** | 12280.800       | 41.65            | 2.40        | 54.0           | -12.35          | AV       | 100.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1171.000        | 37.18            | -18.50      | 74.0           | -36.82          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 1** | 1171.000        | 27.90            | -18.50      | 54.0           | -26.10          | AV       | 211.00         | 150         | Vertical | Pass    |
| 2   | 1537.000        | 37.73            | -17.67      | 74.0           | -36.27          | Peak     | 136.00         | 150         | Vertical | Pass    |
| 2** | 1537.000        | 28.69            | -17.67      | 54.0           | -25.31          | AV       | 136.00         | 150         | Vertical | Pass    |
| 3   | 4201.000        | 47.80            | -5.24       | 74.0           | -26.20          | Peak     | 309.00         | 150         | Vertical | Pass    |
| 3** | 4201.000        | 37.56            | -5.24       | 54.0           | -16.44          | AV       | 309.00         | 150         | Vertical | Pass    |
| 4   | 5768.200        | 92.01            | -3.38       | --             | --              | Peak     | 77.00          | 150         | Vertical | N/A     |
| 4** | 5768.200        | 83.85            | -3.38       | --             | --              | AV       | 77.00          | 150         | Vertical | N/A     |
| 5   | 7549.700        | 47.86            | -1.60       | 74.0           | -26.14          | Peak     | 209.00         | 150         | Vertical | Pass    |
| 5** | 7549.700        | 40.13            | -1.60       | 54.0           | -13.87          | AV       | 209.00         | 150         | Vertical | Pass    |
| 6   | 11672.738       | 51.72            | 2.47        | 74.0           | -22.28          | Peak     | 83.00          | 150         | Vertical | Pass    |
| 6** | 11672.738       | 42.44            | 2.47        | 54.0           | -11.56          | AV       | 83.00          | 150         | Vertical | Pass    |

# MIMO

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1207.100        | 37.00            | -18.22      | 74.0           | -37.00          | Peak     | 180.00         | 150         | Horizontal | Pass    |
| 1** | 1207.100        | 27.69            | -18.22      | 54.0           | -26.31          | AV       | 180.00         | 150         | Horizontal | Pass    |
| 2   | 1538.800        | 37.72            | -17.75      | 74.0           | -36.28          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 2** | 1538.800        | 28.45            | -17.75      | 54.0           | -25.55          | AV       | 221.00         | 150         | Horizontal | Pass    |
| 3   | 3864.800        | 46.48            | -6.32       | 74.0           | -27.52          | Peak     | 85.00          | 150         | Horizontal | Pass    |
| 3** | 3864.800        | 36.33            | -6.32       | 54.0           | -17.67          | AV       | 85.00          | 150         | Horizontal | Pass    |
| 4   | 5181.200        | 101.14           | -3.19       | --             | --              | Peak     | 151.00         | 150         | Horizontal | N/A     |
| 4** | 5181.200        | 93.01            | -3.19       | --             | --              | AV       | 151.00         | 150         | Horizontal | N/A     |
| 5   | 7557.175        | 48.38            | -1.66       | 74.0           | -25.62          | Peak     | 108.00         | 150         | Horizontal | Pass    |
| 5** | 7557.175        | 39.73            | -1.66       | 54.0           | -14.27          | AV       | 108.00         | 150         | Horizontal | Pass    |
| 6   | 11731.387       | 52.00            | 1.83        | 74.0           | -22.00          | Peak     | 313.00         | 150         | Horizontal | Pass    |
| 6** | 11731.387       | 41.73            | 1.83        | 54.0           | -12.27          | AV       | 313.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1178.900        | 36.91            | -18.41      | 74.0           | -37.09          | Peak     | 31.00          | 150         | Vertical | Pass    |
| 1** | 1178.900        | 27.77            | -18.41      | 54.0           | -26.23          | AV       | 31.00          | 150         | Vertical | Pass    |
| 2   | 1552.100        | 37.47            | -17.67      | 74.0           | -36.53          | Peak     | 31.00          | 150         | Vertical | Pass    |
| 2** | 1552.100        | 28.87            | -17.67      | 54.0           | -25.13          | AV       | 31.00          | 150         | Vertical | Pass    |
| 3   | 4042.800        | 47.31            | -5.39       | 74.0           | -26.69          | Peak     | 92.00          | 150         | Vertical | Pass    |
| 3** | 4042.800        | 37.69            | -5.39       | 54.0           | -16.31          | AV       | 92.00          | 150         | Vertical | Pass    |
| 4   | 5181.000        | 96.23            | -3.18       | --             | --              | Peak     | 119.00         | 150         | Vertical | N/A     |
| 4** | 5181.000        | 90.08            | -3.18       | --             | --              | AV       | 119.00         | 150         | Vertical | N/A     |
| 5   | 7571.550        | 48.75            | -2.07       | 74.0           | -25.25          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 5** | 7571.550        | 38.43            | -2.07       | 54.0           | -15.57          | AV       | 47.00          | 150         | Vertical | Pass    |
| 6   | 12298.625       | 51.40            | 2.30        | 74.0           | -22.60          | Peak     | 302.00         | 150         | Vertical | Pass    |
| 6** | 12298.625       | 42.24            | 2.30        | 54.0           | -11.76          | AV       | 302.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1143.700        | 37.01            | -18.38      | 74.0           | -36.99          | Peak     | 335.00         | 150         | Horizontal | Pass    |
| 1** | 1143.700        | 28.55            | -18.38      | 54.0           | -25.45          | AV       | 335.00         | 150         | Horizontal | Pass    |
| 2   | 1539.700        | 38.35            | -17.75      | 74.0           | -35.65          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 2** | 1539.700        | 29.23            | -17.75      | 54.0           | -24.77          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 3   | 4283.600        | 48.00            | -4.68       | 74.0           | -26.00          | Peak     | 317.00         | 150         | Horizontal | Pass    |
| 3** | 4283.600        | 38.14            | -4.68       | 54.0           | -15.86          | AV       | 317.00         | 150         | Horizontal | Pass    |
| 4   | 5218.400        | 100.14           | -3.46       | --             | --              | Peak     | 137.00         | 150         | Horizontal | N/A     |
| 4** | 5218.400        | 92.45            | -3.46       | --             | --              | AV       | 137.00         | 150         | Horizontal | N/A     |
| 5   | 7618.125        | 48.47            | -2.19       | 74.0           | -25.53          | Peak     | 138.00         | 150         | Horizontal | Pass    |
| 5** | 7618.125        | 38.39            | -2.19       | 54.0           | -15.61          | AV       | 138.00         | 150         | Horizontal | Pass    |
| 6   | 12210.362       | 51.30            | 2.58        | 74.0           | -22.70          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 12210.362       | 41.69            | 2.58        | 54.0           | -12.31          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1120.300        | 36.68            | -18.38      | 74.0           | -37.32          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 1** | 1120.300        | 28.64            | -18.38      | 54.0           | -25.36          | AV       | 1.00           | 150         | Vertical | Pass    |
| 2   | 1377.100        | 38.49            | -17.58      | 74.0           | -35.51          | Peak     | 240.00         | 150         | Vertical | Pass    |
| 2** | 1377.100        | 28.98            | -17.58      | 54.0           | -25.02          | AV       | 240.00         | 150         | Vertical | Pass    |
| 3   | 4051.800        | 46.91            | -5.45       | 74.0           | -27.09          | Peak     | 92.00          | 150         | Vertical | Pass    |
| 3** | 4051.800        | 37.36            | -5.45       | 54.0           | -16.64          | AV       | 92.00          | 150         | Vertical | Pass    |
| 4   | 5221.000        | 97.19            | -3.42       | --             | --              | Peak     | 92.00          | 150         | Vertical | N/A     |
| 4** | 5221.000        | 90.54            | -3.42       | --             | --              | AV       | 92.00          | 150         | Vertical | N/A     |
| 5   | 7541.938        | 48.70            | -1.64       | 74.0           | -25.30          | Peak     | 118.00         | 150         | Vertical | Pass    |
| 5** | 7541.938        | 39.32            | -1.64       | 54.0           | -14.68          | AV       | 118.00         | 150         | Vertical | Pass    |
| 6   | 12246.875       | 51.98            | 2.66        | 74.0           | -22.02          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 6** | 12246.875       | 42.61            | 2.66        | 54.0           | -11.39          | AV       | 344.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1093.900        | 37.30            | -18.59      | 74.0           | -36.70          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 1** | 1093.900        | 26.77            | -18.59      | 54.0           | -27.23          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 2   | 1572.300        | 38.35            | -17.58      | 74.0           | -35.65          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 1572.300        | 28.21            | -17.58      | 54.0           | -25.79          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 4248.200        | 46.85            | -4.77       | 74.0           | -27.15          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 3** | 4248.200        | 38.51            | -4.77       | 54.0           | -15.49          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 4   | 5238.800        | 100.80           | -3.66       | --             | --              | Peak     | 130.00         | 150         | Horizontal | N/A     |
| 4** | 5238.800        | 94.04            | -3.66       | --             | --              | AV       | 130.00         | 150         | Horizontal | N/A     |
| 5   | 7548.550        | 48.87            | -1.59       | 74.0           | -25.13          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 5** | 7548.550        | 39.21            | -1.59       | 54.0           | -14.79          | AV       | 119.00         | 150         | Horizontal | Pass    |
| 6   | 12125.550       | 52.13            | 1.68        | 74.0           | -21.87          | Peak     | 274.00         | 150         | Horizontal | Pass    |
| 6** | 12125.550       | 41.87            | 1.68        | 54.0           | -12.13          | AV       | 274.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1210.600        | 37.38            | -18.02      | 74.0           | -36.62          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1210.600        | 28.20            | -18.02      | 54.0           | -25.80          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 1479.200        | 38.91            | -17.77      | 74.0           | -35.09          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1479.200        | 28.15            | -17.77      | 54.0           | -25.85          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4229.400        | 47.07            | -4.93       | 74.0           | -26.93          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 3** | 4229.400        | 37.69            | -4.93       | 54.0           | -16.31          | AV       | 111.00         | 150         | Vertical | Pass    |
| 4   | 5243.400        | 97.43            | -3.73       | --             | --              | Peak     | 49.00          | 150         | Vertical | N/A     |
| 4** | 5243.400        | 89.42            | -3.73       | --             | --              | AV       | 49.00          | 150         | Vertical | N/A     |
| 5   | 7541.362        | 48.85            | -1.65       | 74.0           | -25.15          | Peak     | 231.00         | 150         | Vertical | Pass    |
| 5** | 7541.362        | 39.07            | -1.65       | 54.0           | -14.93          | AV       | 231.00         | 150         | Vertical | Pass    |
| 6   | 11654.625       | 52.10            | 2.54        | 74.0           | -21.90          | Peak     | 323.00         | 150         | Vertical | Pass    |
| 6** | 11654.625       | 42.65            | 2.54        | 54.0           | -11.35          | AV       | 323.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1118.300        | 37.93            | -18.38      | 74.0           | -36.07          | Peak     | 149.00         | 150         | Horizontal | Pass    |
| 1** | 1118.300        | 27.71            | -18.38      | 54.0           | -26.29          | AV       | 149.00         | 150         | Horizontal | Pass    |
| 2   | 1512.300        | 38.86            | -17.81      | 74.0           | -35.14          | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 2** | 1512.300        | 28.59            | -17.81      | 54.0           | -25.41          | AV       | 200.00         | 150         | Horizontal | Pass    |
| 3   | 4260.800        | 47.44            | -4.71       | 74.0           | -26.56          | Peak     | 322.00         | 150         | Horizontal | Pass    |
| 3** | 4260.800        | 38.25            | -4.71       | 54.0           | -15.75          | AV       | 322.00         | 150         | Horizontal | Pass    |
| 4   | 5179.200        | 99.50            | -3.15       | --             | --              | Peak     | 166.00         | 150         | Horizontal | N/A     |
| 4** | 5179.200        | 92.93            | -3.15       | --             | --              | AV       | 166.00         | 150         | Horizontal | N/A     |
| 5   | 7395.313        | 47.92            | -1.58       | 74.0           | -26.08          | Peak     | 193.00         | 150         | Horizontal | Pass    |
| 5** | 7395.313        | 39.95            | -1.58       | 54.0           | -14.05          | AV       | 193.00         | 150         | Horizontal | Pass    |
| 6   | 12243.713       | 52.44            | 2.65        | 74.0           | -21.56          | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 6** | 12243.713       | 42.14            | 2.65        | 54.0           | -11.86          | AV       | 257.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1036.100        | 36.88            | -18.51      | 74.0           | -37.12          | Peak     | -1.00          | 150         | Vertical | Pass    |
| 1** | 1036.100        | 26.29            | -18.51      | 54.0           | -27.71          | AV       | -1.00          | 150         | Vertical | Pass    |
| 2   | 1377.100        | 37.90            | -17.58      | 74.0           | -36.10          | Peak     | 355.00         | 150         | Vertical | Pass    |
| 2** | 1377.100        | 28.46            | -17.58      | 54.0           | -25.54          | AV       | 355.00         | 150         | Vertical | Pass    |
| 3   | 4291.400        | 47.18            | -4.76       | 74.0           | -26.82          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4291.400        | 38.54            | -4.76       | 54.0           | -15.46          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5181.800        | 95.60            | -3.20       | --             | --              | Peak     | 138.00         | 150         | Vertical | N/A     |
| 4** | 5181.800        | 88.72            | -3.20       | --             | --              | AV       | 138.00         | 150         | Vertical | N/A     |
| 5   | 7541.075        | 48.42            | -1.65       | 74.0           | -25.58          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 5** | 7541.075        | 38.97            | -1.65       | 54.0           | -15.03          | AV       | 38.00          | 150         | Vertical | Pass    |
| 6   | 11641.400       | 51.80            | 2.46        | 74.0           | -22.20          | Peak     | 333.00         | 150         | Vertical | Pass    |
| 6** | 11641.400       | 42.77            | 2.46        | 54.0           | -11.23          | AV       | 333.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1118.100        | 36.84            | -18.38      | 74.0           | -37.16          | Peak     | 288.00         | 150         | Horizontal | Pass    |
| 1** | 1118.100        | 27.01            | -18.38      | 54.0           | -26.99          | AV       | 288.00         | 150         | Horizontal | Pass    |
| 2   | 1331.000        | 37.58            | -17.72      | 74.0           | -36.42          | Peak     | 353.00         | 150         | Horizontal | Pass    |
| 2** | 1331.000        | 28.51            | -17.72      | 54.0           | -25.49          | AV       | 353.00         | 150         | Horizontal | Pass    |
| 3   | 4277.800        | 47.93            | -4.74       | 74.0           | -26.07          | Peak     | 114.00         | 150         | Horizontal | Pass    |
| 3** | 4277.800        | 38.04            | -4.74       | 54.0           | -15.96          | AV       | 114.00         | 150         | Horizontal | Pass    |
| 4   | 5221.800        | 99.38            | -3.43       | --             | --              | Peak     | 138.00         | 150         | Horizontal | N/A     |
| 4** | 5221.800        | 92.41            | -3.43       | --             | --              | AV       | 138.00         | 150         | Horizontal | N/A     |
| 5   | 7392.725        | 49.00            | -1.71       | 74.0           | -25.00          | Peak     | 234.00         | 150         | Horizontal | Pass    |
| 5** | 7392.725        | 39.33            | -1.71       | 54.0           | -14.67          | AV       | 234.00         | 150         | Horizontal | Pass    |
| 6   | 12224.162       | 51.63            | 2.61        | 74.0           | -22.37          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 6** | 12224.162       | 42.23            | 2.61        | 54.0           | -11.77          | AV       | 1.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1163.300        | 36.64            | -18.40      | 74.0           | -37.36          | Peak     | 66.00          | 150         | Vertical | Pass    |
| 1** | 1163.300        | 28.09            | -18.40      | 54.0           | -25.91          | AV       | 66.00          | 150         | Vertical | Pass    |
| 2   | 1604.300        | 38.70            | -17.69      | 74.0           | -35.30          | Peak     | 361.00         | 150         | Vertical | Pass    |
| 2** | 1604.300        | 29.03            | -17.69      | 54.0           | -24.97          | AV       | 361.00         | 150         | Vertical | Pass    |
| 3   | 4209.600        | 47.46            | -5.04       | 74.0           | -26.54          | Peak     | 61.00          | 150         | Vertical | Pass    |
| 3** | 4209.600        | 37.96            | -5.04       | 54.0           | -16.04          | AV       | 61.00          | 150         | Vertical | Pass    |
| 4   | 5221.800        | 96.25            | -3.43       | --             | --              | Peak     | 61.00          | 150         | Vertical | N/A     |
| 4** | 5221.800        | 89.13            | -3.43       | --             | --              | AV       | 61.00          | 150         | Vertical | N/A     |
| 5   | 7550.562        | 48.99            | -1.60       | 74.0           | -25.01          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 5** | 7550.562        | 39.45            | -1.60       | 54.0           | -14.55          | AV       | 78.00          | 150         | Vertical | Pass    |
| 6   | 12235.088       | 51.98            | 2.63        | 74.0           | -22.02          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 6** | 12235.088       | 42.98            | 2.63        | 54.0           | -11.02          | AV       | 78.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1183.600        | 37.00            | -18.27      | 74.0           | -37.00          | Peak     | 97.00          | 150         | Horizontal | Pass    |
| 1** | 1183.600        | 27.99            | -18.27      | 54.0           | -26.01          | AV       | 97.00          | 150         | Horizontal | Pass    |
| 2   | 1523.000        | 37.89            | -17.67      | 74.0           | -36.11          | Peak     | 286.00         | 150         | Horizontal | Pass    |
| 2** | 1523.000        | 29.41            | -17.67      | 54.0           | -24.59          | AV       | 286.00         | 150         | Horizontal | Pass    |
| 3   | 4142.400        | 47.00            | -5.36       | 74.0           | -27.00          | Peak     | 136.00         | 150         | Horizontal | Pass    |
| 3** | 4142.400        | 37.00            | -5.36       | 54.0           | -17.00          | AV       | 136.00         | 150         | Horizontal | Pass    |
| 4   | 5241.000        | 99.20            | -3.70       | --             | --              | Peak     | 136.00         | 150         | Horizontal | N/A     |
| 4** | 5241.000        | 92.30            | -3.70       | --             | --              | AV       | 136.00         | 150         | Horizontal | N/A     |
| 5   | 7410.838        | 48.81            | -1.82       | 74.0           | -25.19          | Peak     | 217.00         | 150         | Horizontal | Pass    |
| 5** | 7410.838        | 38.97            | -1.82       | 54.0           | -15.03          | AV       | 217.00         | 150         | Horizontal | Pass    |
| 6   | 11674.174       | 53.67            | 2.46        | 74.0           | -20.33          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 6** | 11674.174       | 42.57            | 2.46        | 54.0           | -11.43          | AV       | 267.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1148.600        | 36.85            | -18.38      | 74.0           | -37.15          | Peak     | -1.00          | 150         | Vertical | Pass    |
| 1** | 1148.600        | 27.79            | -18.38      | 54.0           | -26.21          | AV       | -1.00          | 150         | Vertical | Pass    |
| 2   | 1337.200        | 37.70            | -17.69      | 74.0           | -36.30          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1337.200        | 28.52            | -17.69      | 54.0           | -25.48          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4252.600        | 47.07            | -4.72       | 74.0           | -26.93          | Peak     | 85.00          | 150         | Vertical | Pass    |
| 3** | 4252.600        | 37.90            | -4.72       | 54.0           | -16.10          | AV       | 85.00          | 150         | Vertical | Pass    |
| 4   | 5237.600        | 95.61            | -3.66       | --             | --              | Peak     | 46.00          | 150         | Vertical | N/A     |
| 4** | 5237.600        | 89.50            | -3.66       | --             | --              | AV       | 46.00          | 150         | Vertical | N/A     |
| 5   | 7377.487        | 48.31            | -1.73       | 74.0           | -25.69          | Peak     | 286.00         | 150         | Vertical | Pass    |
| 5** | 7377.487        | 39.93            | -1.73       | 54.0           | -14.07          | AV       | 286.00         | 150         | Vertical | Pass    |
| 6   | 11649.738       | 51.24            | 2.55        | 74.0           | -22.76          | Peak     | 166.00         | 150         | Vertical | Pass    |
| 6** | 11649.738       | 41.93            | 2.55        | 54.0           | -12.07          | AV       | 166.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1207.600        | 37.72            | -18.21      | 74.0           | -36.28          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 1** | 1207.600        | 27.53            | -18.21      | 54.0           | -26.47          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 2   | 1557.500        | 37.63            | -17.73      | 74.0           | -36.37          | Peak     | 98.00          | 150         | Horizontal | Pass    |
| 2** | 1557.500        | 28.59            | -17.73      | 54.0           | -25.41          | AV       | 98.00          | 150         | Horizontal | Pass    |
| 3   | 4055.800        | 46.86            | -5.46       | 74.0           | -27.14          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4055.800        | 36.85            | -5.46       | 54.0           | -17.15          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5192.200        | 96.68            | -3.26       | --             | --              | Peak     | 174.00         | 150         | Horizontal | N/A     |
| 4** | 5192.200        | 89.94            | -3.26       | --             | --              | AV       | 174.00         | 150         | Horizontal | N/A     |
| 5   | 7597.425        | 48.31            | -2.33       | 74.0           | -25.69          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 5** | 7597.425        | 39.27            | -2.33       | 54.0           | -14.73          | AV       | 33.00          | 150         | Horizontal | Pass    |
| 6   | 11664.113       | 51.84            | 2.50        | 74.0           | -22.16          | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 6** | 11664.113       | 42.14            | 2.50        | 54.0           | -11.86          | AV       | 257.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1129.300        | 36.66            | -18.38      | 74.0           | -37.34          | Peak     | 14.00          | 150         | Vertical | Pass    |
| 1** | 1129.300        | 27.33            | -18.38      | 54.0           | -26.67          | AV       | 14.00          | 150         | Vertical | Pass    |
| 2   | 1570.000        | 38.92            | -17.60      | 74.0           | -35.08          | Peak     | 328.00         | 150         | Vertical | Pass    |
| 2** | 1570.000        | 28.28            | -17.60      | 54.0           | -25.72          | AV       | 328.00         | 150         | Vertical | Pass    |
| 3   | 4278.400        | 47.50            | -4.77       | 74.0           | -26.50          | Peak     | 329.00         | 150         | Vertical | Pass    |
| 3** | 4278.400        | 38.29            | -4.77       | 54.0           | -15.71          | AV       | 329.00         | 150         | Vertical | Pass    |
| 4   | 5191.400        | 94.83            | -3.23       | --             | --              | Peak     | 104.00         | 150         | Vertical | N/A     |
| 4** | 5191.400        | 85.94            | -3.23       | --             | --              | AV       | 104.00         | 150         | Vertical | N/A     |
| 5   | 7418.313        | 48.18            | -2.03       | 74.0           | -25.82          | Peak     | 50.00          | 150         | Vertical | Pass    |
| 5** | 7418.313        | 38.79            | -2.03       | 54.0           | -15.21          | AV       | 50.00          | 150         | Vertical | Pass    |
| 6   | 11628.174       | 51.34            | 2.31        | 74.0           | -22.66          | Peak     | 89.00          | 150         | Vertical | Pass    |
| 6** | 11628.174       | 41.89            | 2.31        | 54.0           | -12.11          | AV       | 89.00          | 150         | Vertical | Pass    |



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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1195.700        | 37.30            | -18.19      | 74.0           | -36.70          | Peak     | 274.00         | 150         | Horizontal | Pass    |
| 1** | 1195.700        | 28.28            | -18.19      | 54.0           | -25.72          | AV       | 274.00         | 150         | Horizontal | Pass    |
| 2   | 1596.900        | 38.52            | -17.79      | 74.0           | -35.48          | Peak     | 197.00         | 150         | Horizontal | Pass    |
| 2** | 1596.900        | 28.66            | -17.79      | 54.0           | -25.34          | AV       | 197.00         | 150         | Horizontal | Pass    |
| 3   | 4185.400        | 46.98            | -5.12       | 74.0           | -27.02          | Peak     | 133.00         | 150         | Horizontal | Pass    |
| 3** | 4185.400        | 37.58            | -5.12       | 54.0           | -16.42          | AV       | 133.00         | 150         | Horizontal | Pass    |
| 4   | 5227.800        | 95.14            | -3.51       | --             | --              | Peak     | 157.00         | 150         | Horizontal | N/A     |
| 4** | 5227.800        | 87.54            | -3.51       | --             | --              | AV       | 157.00         | 150         | Horizontal | N/A     |
| 5   | 7491.913        | 48.10            | -1.85       | 74.0           | -25.90          | Peak     | 198.00         | 150         | Horizontal | Pass    |
| 5** | 7491.913        | 39.03            | -1.85       | 54.0           | -14.97          | AV       | 198.00         | 150         | Horizontal | Pass    |
| 6   | 11931.487       | 51.38            | 0.75        | 74.0           | -22.62          | Peak     | 209.00         | 150         | Horizontal | Pass    |
| 6** | 11931.487       | 41.11            | 0.75        | 54.0           | -12.89          | AV       | 209.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1084.200        | 36.87            | -18.67      | 74.0           | -37.13          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 1** | 1084.200        | 27.79            | -18.67      | 54.0           | -26.21          | AV       | 263.00         | 150         | Vertical | Pass    |
| 2   | 1556.800        | 37.92            | -17.75      | 74.0           | -36.08          | Peak     | 299.00         | 150         | Vertical | Pass    |
| 2** | 1556.800        | 28.12            | -17.75      | 54.0           | -25.88          | AV       | 299.00         | 150         | Vertical | Pass    |
| 3   | 4128.000        | 47.04            | -5.61       | 74.0           | -26.96          | Peak     | 179.00         | 150         | Vertical | Pass    |
| 3** | 4128.000        | 37.85            | -5.61       | 54.0           | -16.15          | AV       | 179.00         | 150         | Vertical | Pass    |
| 4   | 5228.200        | 93.16            | -3.53       | --             | --              | Peak     | 100.00         | 150         | Vertical | N/A     |
| 4** | 5228.200        | 86.32            | -3.53       | --             | --              | AV       | 100.00         | 150         | Vertical | N/A     |
| 5   | 7556.025        | 48.40            | -1.63       | 74.0           | -25.60          | Peak     | 323.00         | 150         | Vertical | Pass    |
| 5** | 7556.025        | 39.76            | -1.63       | 54.0           | -14.24          | AV       | 323.00         | 150         | Vertical | Pass    |
| 6   | 12206.338       | 51.53            | 2.57        | 74.0           | -22.47          | Peak     | 74.00          | 150         | Vertical | Pass    |
| 6** | 12206.338       | 43.23            | 2.57        | 54.0           | -10.77          | AV       | 74.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1105.700        | 36.36            | -18.43      | 74.0           | -37.64          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 1** | 1105.700        | 27.93            | -18.43      | 54.0           | -26.07          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 2   | 1546.500        | 37.92            | -17.76      | 74.0           | -36.08          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 2** | 1546.500        | 28.74            | -17.76      | 54.0           | -25.26          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 3   | 4157.600        | 47.24            | -5.11       | 74.0           | -26.76          | Peak     | 235.00         | 150         | Horizontal | Pass    |
| 3** | 4157.600        | 37.46            | -5.11       | 54.0           | -16.54          | AV       | 235.00         | 150         | Horizontal | Pass    |
| 4   | 5181.600        | 98.81            | -3.20       | --             | -57.19          | Peak     | 156.00         | 150         | Horizontal | N/A     |
| 4** | 5181.600        | 91.76            | -3.20       | --             | 91.76           | AV       | 156.00         | 150         | Horizontal | N/A     |
| 5   | 7521.525        | 48.27            | -1.60       | 74.0           | -25.73          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 5** | 7521.525        | 38.46            | -1.60       | 54.0           | -15.54          | AV       | 190.00         | 150         | Horizontal | Pass    |
| 6   | 12220.713       | 51.64            | 2.60        | 74.0           | -22.36          | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 6** | 12220.713       | 42.39            | 2.60        | 54.0           | -11.61          | AV       | 272.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1119.800        | 36.94            | -18.40      | 74.0           | -37.06          | Peak     | 203.00         | 150         | Vertical | Pass    |
| 1** | 1119.800        | 27.62            | -18.40      | 54.0           | -26.38          | AV       | 203.00         | 150         | Vertical | Pass    |
| 2   | 1596.500        | 38.42            | -17.81      | 74.0           | -35.58          | Peak     | 327.00         | 150         | Vertical | Pass    |
| 2** | 1596.500        | 28.67            | -17.81      | 54.0           | -25.33          | AV       | 327.00         | 150         | Vertical | Pass    |
| 3   | 4249.600        | 47.29            | -4.72       | 74.0           | -26.71          | Peak     | 124.00         | 150         | Vertical | Pass    |
| 3** | 4249.600        | 37.94            | -4.72       | 54.0           | -16.06          | AV       | 124.00         | 150         | Vertical | Pass    |
| 4   | 5179.200        | 95.50            | -3.15       | --             | -35.50          | Peak     | 131.00         | 150         | Vertical | N/A     |
| 4** | 5179.200        | 88.45            | -3.15       | --             | 88.45           | AV       | 131.00         | 150         | Vertical | N/A     |
| 5   | 7552.288        | 48.35            | -1.56       | 74.0           | -25.65          | Peak     | 146.00         | 150         | Vertical | Pass    |
| 5** | 7552.288        | 39.06            | -1.56       | 54.0           | -14.94          | AV       | 146.00         | 150         | Vertical | Pass    |
| 6   | 11659.513       | 51.96            | 2.52        | 74.0           | -22.04          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 11659.513       | 42.94            | 2.52        | 54.0           | -11.06          | AV       | 360.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1182.400        | 36.79            | -18.32      | 74.0           | -37.21          | Peak     | 237.00         | 150         | Horizontal | Pass    |
| 1** | 1182.400        | 28.31            | -18.32      | 54.0           | -25.69          | AV       | 237.00         | 150         | Horizontal | Pass    |
| 2   | 1572.400        | 37.87            | -17.58      | 74.0           | -36.13          | Peak     | 139.00         | 150         | Horizontal | Pass    |
| 2** | 1572.400        | 28.29            | -17.58      | 54.0           | -25.71          | AV       | 139.00         | 150         | Horizontal | Pass    |
| 3   | 3887.600        | 46.59            | -6.46       | 74.0           | -27.41          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 3** | 3887.600        | 36.82            | -6.46       | 54.0           | -17.18          | AV       | 252.00         | 150         | Horizontal | Pass    |
| 4   | 5221.600        | 98.32            | -3.43       | --             | --              | Peak     | 156.00         | 150         | Horizontal | N/A     |
| 4** | 5221.600        | 91.44            | -3.43       | --             | --              | AV       | 156.00         | 150         | Horizontal | N/A     |
| 5   | 7544.525        | 47.97            | -1.61       | 74.0           | -26.03          | Peak     | 179.00         | 150         | Horizontal | Pass    |
| 5** | 7544.525        | 39.48            | -1.61       | 54.0           | -14.52          | AV       | 179.00         | 150         | Horizontal | Pass    |
| 6   | 11669.287       | 51.45            | 2.48        | 74.0           | -22.55          | Peak     | 128.00         | 150         | Horizontal | Pass    |
| 6** | 11669.287       | 42.12            | 2.48        | 54.0           | -11.88          | AV       | 128.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1173.400        | 36.96            | -18.44      | 74.0           | -37.04          | Peak     | 315.00         | 150         | Vertical | Pass    |
| 1** | 1173.400        | 27.90            | -18.44      | 54.0           | -26.10          | AV       | 315.00         | 150         | Vertical | Pass    |
| 2   | 1579.300        | 39.24            | -17.52      | 74.0           | -34.76          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1579.300        | 28.10            | -17.52      | 54.0           | -25.90          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3995.000        | 47.26            | -5.68       | 74.0           | -26.74          | Peak     | 307.00         | 150         | Vertical | Pass    |
| 3** | 3995.000        | 37.63            | -5.68       | 54.0           | -16.37          | AV       | 307.00         | 150         | Vertical | Pass    |
| 4   | 5221.800        | 96.15            | -3.43       | --             | --              | Peak     | 133.00         | 150         | Vertical | N/A     |
| 4** | 5221.800        | 88.98            | -3.43       | --             | --              | AV       | 133.00         | 150         | Vertical | N/A     |
| 5   | 7592.538        | 48.89            | -2.36       | 74.0           | -25.11          | Peak     | 201.00         | 150         | Vertical | Pass    |
| 5** | 7592.538        | 38.85            | -2.36       | 54.0           | -15.15          | AV       | 201.00         | 150         | Vertical | Pass    |
| 6   | 11671.875       | 50.93            | 2.47        | 74.0           | -23.07          | Peak     | 273.00         | 150         | Vertical | Pass    |
| 6** | 11671.875       | 42.36            | 2.47        | 54.0           | -11.64          | AV       | 273.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1162.700        | 36.66            | -18.41      | 74.0           | -37.34          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1162.700        | 27.68            | -18.41      | 54.0           | -26.32          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 1585.600        | 38.01            | -17.67      | 74.0           | -35.99          | Peak     | 336.00         | 150         | Horizontal | Pass    |
| 2** | 1585.600        | 28.94            | -17.67      | 54.0           | -25.06          | AV       | 336.00         | 150         | Horizontal | Pass    |
| 3   | 4227.000        | 48.43            | -4.88       | 74.0           | -25.57          | Peak     | 126.00         | 150         | Horizontal | Pass    |
| 3** | 4227.000        | 38.36            | -4.88       | 54.0           | -15.64          | AV       | 126.00         | 150         | Horizontal | Pass    |
| 4   | 5241.600        | 97.99            | -3.71       | --             | --              | Peak     | 154.00         | 150         | Horizontal | N/A     |
| 4** | 5241.600        | 91.23            | -3.71       | --             | --              | AV       | 154.00         | 150         | Horizontal | N/A     |
| 5   | 7339.250        | 50.38            | -2.56       | 74.0           | -23.62          | Peak     | 261.00         | 150         | Horizontal | Pass    |
| 5** | 7339.250        | 38.65            | -2.56       | 54.0           | -15.35          | AV       | 261.00         | 150         | Horizontal | Pass    |
| 6   | 11643.987       | 51.34            | 2.49        | 74.0           | -22.66          | Peak     | 54.00          | 150         | Horizontal | Pass    |
| 6** | 11643.987       | 42.25            | 2.49        | 54.0           | -11.75          | AV       | 54.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1210.900        | 37.17            | -17.99      | 74.0           | -36.83          | Peak     | 351.00         | 150         | Vertical | Pass    |
| 1** | 1210.900        | 27.87            | -17.99      | 54.0           | -26.13          | AV       | 351.00         | 150         | Vertical | Pass    |
| 2   | 1567.000        | 38.13            | -17.61      | 74.0           | -35.87          | Peak     | 28.00          | 150         | Vertical | Pass    |
| 2** | 1567.000        | 28.25            | -17.61      | 54.0           | -25.75          | AV       | 28.00          | 150         | Vertical | Pass    |
| 3   | 4085.400        | 46.56            | -5.02       | 74.0           | -27.44          | Peak     | 144.00         | 150         | Vertical | Pass    |
| 3** | 4085.400        | 37.13            | -5.02       | 54.0           | -16.87          | AV       | 144.00         | 150         | Vertical | Pass    |
| 4   | 5236.600        | 94.56            | -3.67       | --             | --              | Peak     | 98.00          | 150         | Vertical | N/A     |
| 4** | 5236.600        | 86.96            | -3.67       | --             | --              | AV       | 98.00          | 150         | Vertical | N/A     |
| 5   | 7399.912        | 48.18            | -1.61       | 74.0           | -25.82          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 5** | 7399.912        | 39.79            | -1.61       | 54.0           | -14.21          | AV       | 344.00         | 150         | Vertical | Pass    |
| 6   | 11664.975       | 51.64            | 2.50        | 74.0           | -22.36          | Peak     | 282.00         | 150         | Vertical | Pass    |
| 6** | 11664.975       | 41.86            | 2.50        | 54.0           | -12.14          | AV       | 282.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1198.200        | 37.51            | -18.18      | 74.0           | -36.49          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 1** | 1198.200        | 27.52            | -18.18      | 54.0           | -26.48          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 2   | 1515.300        | 38.45            | -17.77      | 74.0           | -35.55          | Peak     | 230.00         | 150         | Horizontal | Pass    |
| 2** | 1515.300        | 28.84            | -17.77      | 54.0           | -25.16          | AV       | 230.00         | 150         | Horizontal | Pass    |
| 3   | 4210.200        | 47.62            | -5.01       | 74.0           | -26.38          | Peak     | 319.00         | 150         | Horizontal | Pass    |
| 3** | 4210.200        | 38.35            | -5.01       | 54.0           | -15.65          | AV       | 319.00         | 150         | Horizontal | Pass    |
| 4   | 5193.600        | 96.80            | -3.30       | --             | --              | Peak     | 166.00         | 150         | Horizontal | N/A     |
| 4** | 5193.600        | 89.54            | -3.30       | --             | --              | AV       | 166.00         | 150         | Horizontal | N/A     |
| 5   | 7496.800        | 48.46            | -1.85       | 74.0           | -25.54          | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 5** | 7496.800        | 39.52            | -1.85       | 54.0           | -14.48          | AV       | 129.00         | 150         | Horizontal | Pass    |
| 6   | 12258.950       | 51.33            | 2.59        | 74.0           | -22.67          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 6** | 12258.950       | 42.26            | 2.59        | 54.0           | -11.74          | AV       | 252.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1165.000        | 37.68            | -18.41      | 74.0           | -36.32          | Peak     | 133.00         | 150         | Vertical | Pass    |
| 1** | 1165.000        | 27.66            | -18.41      | 54.0           | -26.34          | AV       | 133.00         | 150         | Vertical | Pass    |
| 2   | 1549.000        | 38.24            | -17.70      | 74.0           | -35.76          | Peak     | 312.00         | 150         | Vertical | Pass    |
| 2** | 1549.000        | 27.97            | -17.70      | 54.0           | -26.03          | AV       | 312.00         | 150         | Vertical | Pass    |
| 3   | 4218.400        | 47.29            | -4.76       | 74.0           | -26.71          | Peak     | 257.00         | 150         | Vertical | Pass    |
| 3** | 4218.400        | 37.93            | -4.76       | 54.0           | -16.07          | AV       | 257.00         | 150         | Vertical | Pass    |
| 4   | 5191.800        | 91.90            | -3.24       | --             | --              | Peak     | 61.00          | 150         | Vertical | N/A     |
| 4** | 5191.800        | 85.34            | -3.24       | --             | --              | AV       | 61.00          | 150         | Vertical | N/A     |
| 5   | 7375.187        | 48.48            | -1.77       | 74.0           | -25.52          | Peak     | 79.00          | 150         | Vertical | Pass    |
| 5** | 7375.187        | 39.07            | -1.77       | 54.0           | -14.93          | AV       | 79.00          | 150         | Vertical | Pass    |
| 6   | 12218.125       | 51.64            | 2.59        | 74.0           | -22.36          | Peak     | 79.00          | 150         | Vertical | Pass    |
| 6** | 12218.125       | 43.05            | 2.59        | 54.0           | -10.95          | AV       | 79.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1052.400        | 36.79            | -18.45      | 74.0           | -37.21          | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 1** | 1052.400        | 27.94            | -18.45      | 54.0           | -26.06          | AV       | 200.00         | 150         | Horizontal | Pass    |
| 2   | 1385.300        | 38.41            | -17.47      | 74.0           | -35.59          | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 2** | 1385.300        | 27.99            | -17.47      | 54.0           | -26.01          | AV       | 166.00         | 150         | Horizontal | Pass    |
| 3   | 4248.000        | 47.98            | -4.77       | 74.0           | -26.02          | Peak     | 43.00          | 150         | Horizontal | Pass    |
| 3** | 4248.000        | 38.05            | -4.77       | 54.0           | -15.95          | AV       | 43.00          | 150         | Horizontal | Pass    |
| 4   | 5227.000        | 96.30            | -3.50       | --             | --              | Peak     | 160.00         | 150         | Horizontal | N/A     |
| 4** | 5227.000        | 88.98            | -3.50       | --             | --              | AV       | 160.00         | 150         | Horizontal | N/A     |
| 5   | 7554.588        | 48.48            | -1.57       | 74.0           | -25.52          | Peak     | 63.00          | 150         | Horizontal | Pass    |
| 5** | 7554.588        | 40.08            | -1.57       | 54.0           | -13.92          | AV       | 63.00          | 150         | Horizontal | Pass    |
| 6   | 12248.025       | 51.67            | 2.66        | 74.0           | -22.33          | Peak     | 22.00          | 150         | Horizontal | Pass    |
| 6** | 12248.025       | 41.99            | 2.66        | 54.0           | -12.01          | AV       | 22.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1199.300        | 36.69            | -18.17      | 74.0           | -37.31          | Peak     | 172.00         | 150         | Vertical | Pass    |
| 1** | 1199.300        | 27.66            | -18.17      | 54.0           | -26.34          | AV       | 172.00         | 150         | Vertical | Pass    |
| 2   | 1542.700        | 37.92            | -17.71      | 74.0           | -36.08          | Peak     | 172.00         | 150         | Vertical | Pass    |
| 2** | 1542.700        | 27.90            | -17.71      | 54.0           | -26.10          | AV       | 172.00         | 150         | Vertical | Pass    |
| 3   | 4239.800        | 47.08            | -5.08       | 74.0           | -26.92          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4239.800        | 38.06            | -5.08       | 54.0           | -15.94          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5232.000        | 93.38            | -3.60       | --             | --              | Peak     | 135.00         | 150         | Vertical | N/A     |
| 4** | 5232.000        | 86.66            | -3.60       | --             | --              | AV       | 135.00         | 150         | Vertical | N/A     |
| 5   | 7390.138        | 48.17            | -1.73       | 74.0           | -25.83          | Peak     | 293.00         | 150         | Vertical | Pass    |
| 5** | 7390.138        | 39.81            | -1.73       | 54.0           | -14.19          | AV       | 293.00         | 150         | Vertical | Pass    |
| 6   | 11622.425       | 51.95            | 2.25        | 74.0           | -22.05          | Peak     | 120.00         | 150         | Vertical | Pass    |
| 6** | 11622.425       | 42.14            | 2.25        | 54.0           | -11.86          | AV       | 120.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1171.300        | 37.01            | -18.49      | 74.0           | -36.99          | Peak     | 320.00         | 150         | Horizontal | Pass    |
| 1** | 1171.300        | 27.11            | -18.49      | 54.0           | -26.89          | AV       | 320.00         | 150         | Horizontal | Pass    |
| 2   | 1502.800        | 38.51            | -17.72      | 74.0           | -35.49          | Peak     | 78.00          | 150         | Horizontal | Pass    |
| 2** | 1502.800        | 28.52            | -17.72      | 54.0           | -25.48          | AV       | 78.00          | 150         | Horizontal | Pass    |
| 3   | 4235.800        | 47.69            | -5.16       | 74.0           | -26.31          | Peak     | 243.00         | 150         | Horizontal | Pass    |
| 3** | 4235.800        | 37.88            | -5.16       | 54.0           | -16.12          | AV       | 243.00         | 150         | Horizontal | Pass    |
| 4   | 5207.000        | 94.03            | -3.38       | --             | --              | Peak     | 163.00         | 150         | Horizontal | N/A     |
| 4** | 5207.000        | 87.20            | -3.38       | --             | --              | AV       | 163.00         | 150         | Horizontal | N/A     |
| 5   | 7413.712        | 48.62            | -1.88       | 74.0           | -25.38          | Peak     | 334.00         | 150         | Horizontal | Pass    |
| 5** | 7413.712        | 39.35            | -1.88       | 54.0           | -14.65          | AV       | 334.00         | 150         | Horizontal | Pass    |
| 6   | 12257.512       | 52.32            | 2.60        | 74.0           | -21.68          | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 6** | 12257.512       | 42.41            | 2.60        | 54.0           | -11.59          | AV       | 200.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1095.100        | 36.59            | -18.57      | 74.0           | -37.41          | Peak     | 25.00          | 150         | Vertical | Pass    |
| 1** | 1095.100        | 27.67            | -18.57      | 54.0           | -26.33          | AV       | 25.00          | 150         | Vertical | Pass    |
| 2   | 1500.800        | 38.71            | -17.68      | 74.0           | -35.29          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1500.800        | 27.95            | -17.68      | 54.0           | -26.05          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4108.400        | 47.12            | -5.38       | 74.0           | -26.88          | Peak     | 164.00         | 150         | Vertical | Pass    |
| 3** | 4108.400        | 36.82            | -5.38       | 54.0           | -17.18          | AV       | 164.00         | 150         | Vertical | Pass    |
| 4   | 5213.600        | 91.09            | -3.42       | --             | --              | Peak     | 95.00          | 150         | Vertical | N/A     |
| 4** | 5213.600        | 84.00            | -3.42       | --             | --              | AV       | 95.00          | 150         | Vertical | N/A     |
| 5   | 7547.975        | 48.74            | -1.58       | 74.0           | -25.26          | Peak     | 88.00          | 150         | Vertical | Pass    |
| 5** | 7547.975        | 39.36            | -1.58       | 54.0           | -14.64          | AV       | 88.00          | 150         | Vertical | Pass    |
| 6   | 12210.362       | 52.20            | 2.58        | 74.0           | -21.80          | Peak     | 109.00         | 150         | Vertical | Pass    |
| 6** | 12210.362       | 43.36            | 2.58        | 54.0           | -10.64          | AV       | 109.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1467.900        | 38.73            | -17.69      | 74.0           | -35.27          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 1** | 1467.900        | 28.98            | -17.69      | 54.0           | -25.02          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 2   | 2791.200        | 43.16            | -11.12      | 74.0           | -30.84          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 2** | 2791.200        | 33.61            | -11.12      | 54.0           | -20.39          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 3   | 4298.400        | 48.25            | -4.89       | 74.0           | -25.75          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 3** | 4298.400        | 38.04            | -4.89       | 54.0           | -15.96          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 4   | 5743.000        | 100.15           | -3.61       | --             | --              | Peak     | 142.00         | 150         | Horizontal | N/A     |
| 4** | 5743.000        | 92.37            | -3.61       | --             | --              | AV       | 142.00         | 150         | Horizontal | N/A     |
| 5   | 7375.187        | 48.47            | -1.77       | 74.0           | -25.53          | Peak     | 98.00          | 150         | Horizontal | Pass    |
| 5** | 7375.187        | 38.98            | -1.77       | 54.0           | -15.02          | AV       | 98.00          | 150         | Horizontal | Pass    |
| 6   | 12216.974       | 51.33            | 2.59        | 74.0           | -22.67          | Peak     | 169.00         | 150         | Horizontal | Pass    |
| 6** | 12216.974       | 42.40            | 2.59        | 54.0           | -11.60          | AV       | 169.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1537.500        | 38.06            | -17.69      | 74.0           | -35.94          | Peak     | 3.00           | 150         | Vertical | Pass    |
| 1** | 1537.500        | 28.55            | -17.69      | 54.0           | -25.45          | AV       | 3.00           | 150         | Vertical | Pass    |
| 2   | 2817.000        | 42.76            | -10.64      | 74.0           | -31.24          | Peak     | 224.00         | 150         | Vertical | Pass    |
| 2** | 2817.000        | 33.81            | -10.64      | 54.0           | -20.19          | AV       | 224.00         | 150         | Vertical | Pass    |
| 3   | 4050.000        | 46.43            | -5.40       | 74.0           | -27.57          | Peak     | 307.00         | 150         | Vertical | Pass    |
| 3** | 4050.000        | 37.73            | -5.40       | 54.0           | -16.27          | AV       | 307.00         | 150         | Vertical | Pass    |
| 4   | 5743.200        | 96.11            | -3.60       | --             | --              | Peak     | 69.00          | 150         | Vertical | N/A     |
| 4** | 5743.200        | 88.25            | -3.60       | --             | --              | AV       | 69.00          | 150         | Vertical | N/A     |
| 5   | 7544.813        | 48.94            | -1.60       | 74.0           | -25.06          | Peak     | 149.00         | 150         | Vertical | Pass    |
| 5** | 7544.813        | 39.40            | -1.60       | 54.0           | -14.60          | AV       | 149.00         | 150         | Vertical | Pass    |
| 6   | 12217.838       | 51.80            | 2.59        | 74.0           | -22.20          | Peak     | 37.00          | 150         | Vertical | Pass    |
| 6** | 12217.838       | 42.88            | 2.59        | 54.0           | -11.12          | AV       | 37.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1582.800        | 37.75            | -17.61      | 74.0           | -36.25          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 1** | 1582.800        | 28.87            | -17.61      | 54.0           | -25.13          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 2   | 2787.500        | 43.02            | -11.07      | 74.0           | -30.98          | Peak     | 21.00          | 150         | Horizontal | Pass    |
| 2** | 2787.500        | 33.39            | -11.07      | 54.0           | -20.61          | AV       | 21.00          | 150         | Horizontal | Pass    |
| 3   | 4276.000        | 47.37            | -4.77       | 74.0           | -26.63          | Peak     | 340.00         | 150         | Horizontal | Pass    |
| 3** | 4276.000        | 38.65            | -4.77       | 54.0           | -15.35          | AV       | 340.00         | 150         | Horizontal | Pass    |
| 4   | 5787.200        | 101.04           | -2.97       | --             | --              | Peak     | 157.00         | 150         | Horizontal | N/A     |
| 4** | 5787.200        | 93.75            | -2.97       | --             | --              | AV       | 157.00         | 150         | Horizontal | N/A     |
| 5   | 7491.913        | 48.14            | -1.85       | 74.0           | -25.86          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 5** | 7491.913        | 39.69            | -1.85       | 54.0           | -14.31          | AV       | 7.00           | 150         | Horizontal | Pass    |
| 6   | 11758.701       | 52.01            | 1.46        | 74.0           | -21.99          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 6** | 11758.701       | 41.56            | 1.46        | 54.0           | -12.44          | AV       | 292.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1513.300        | 38.30            | -17.81      | 74.0           | -35.70          | Peak     | 2.00           | 150         | Vertical | Pass    |
| 1** | 1513.300        | 28.60            | -17.81      | 54.0           | -25.40          | AV       | 2.00           | 150         | Vertical | Pass    |
| 2   | 2811.000        | 43.41            | -10.83      | 74.0           | -30.59          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 2811.000        | 34.01            | -10.83      | 54.0           | -19.99          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3991.800        | 46.23            | -5.76       | 74.0           | -27.77          | Peak     | 340.00         | 150         | Vertical | Pass    |
| 3** | 3991.800        | 37.79            | -5.76       | 54.0           | -16.21          | AV       | 340.00         | 150         | Vertical | Pass    |
| 4   | 5787.000        | 96.86            | -2.98       | --             | --              | Peak     | 38.00          | 150         | Vertical | N/A     |
| 4** | 5787.000        | 89.07            | -2.98       | --             | --              | AV       | 38.00          | 150         | Vertical | N/A     |
| 5   | 7546.825        | 49.01            | -1.58       | 74.0           | -24.99          | Peak     | 324.00         | 150         | Vertical | Pass    |
| 5** | 7546.825        | 39.81            | -1.58       | 54.0           | -14.19          | AV       | 324.00         | 150         | Vertical | Pass    |
| 6   | 12363.312       | 51.34            | 1.97        | 74.0           | -22.66          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 12363.312       | 41.76            | 1.97        | 54.0           | -12.24          | AV       | 0.00           | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1345.400        | 38.19            | -17.67      | 74.0           | -35.81          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 1** | 1345.400        | 28.68            | -17.67      | 54.0           | -25.32          | AV       | 33.00          | 150         | Horizontal | Pass    |
| 2   | 2780.000        | 43.04            | -11.18      | 74.0           | -30.96          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 2** | 2780.000        | 33.40            | -11.18      | 54.0           | -20.60          | AV       | 1.00           | 150         | Horizontal | Pass    |
| 3   | 4013.800        | 47.56            | -5.78       | 74.0           | -26.44          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 3** | 4013.800        | 37.47            | -5.78       | 54.0           | -16.53          | AV       | 76.00          | 150         | Horizontal | Pass    |
| 4   | 5822.200        | 100.36           | -2.76       | --             | --              | Peak     | 172.00         | 150         | Horizontal | N/A     |
| 4** | 5822.200        | 92.52            | -2.76       | --             | --              | AV       | 172.00         | 150         | Horizontal | N/A     |
| 5   | 7546.250        | 48.17            | -1.58       | 74.0           | -25.83          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 5** | 7546.250        | 39.26            | -1.58       | 54.0           | -14.74          | AV       | 190.00         | 150         | Horizontal | Pass    |
| 6   | 11725.350       | 51.69            | 1.92        | 74.0           | -22.31          | Peak     | 179.00         | 150         | Horizontal | Pass    |
| 6** | 11725.350       | 41.82            | 1.92        | 54.0           | -12.18          | AV       | 179.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1531.300        | 37.98            | -17.77      | 74.0           | -36.02          | Peak     | 359.00         | 150         | Vertical | Pass    |
| 1** | 1531.300        | 29.01            | -17.77      | 54.0           | -24.99          | AV       | 359.00         | 150         | Vertical | Pass    |
| 2   | 2812.600        | 42.89            | -10.82      | 74.0           | -31.11          | Peak     | 270.00         | 150         | Vertical | Pass    |
| 2** | 2812.600        | 33.87            | -10.82      | 54.0           | -20.13          | AV       | 270.00         | 150         | Vertical | Pass    |
| 3   | 4128.000        | 47.26            | -5.61       | 74.0           | -26.74          | Peak     | 237.00         | 150         | Vertical | Pass    |
| 3** | 4128.000        | 37.46            | -5.61       | 54.0           | -16.54          | AV       | 237.00         | 150         | Vertical | Pass    |
| 4   | 5826.000        | 95.52            | -2.74       | --             | --              | Peak     | 7.00           | 150         | Vertical | N/A     |
| 4** | 5826.000        | 87.86            | -2.74       | --             | --              | AV       | 7.00           | 150         | Vertical | N/A     |
| 5   | 7375.763        | 48.52            | -1.76       | 74.0           | -25.48          | Peak     | 6.00           | 150         | Vertical | Pass    |
| 5** | 7375.763        | 39.23            | -1.76       | 54.0           | -14.77          | AV       | 6.00           | 150         | Vertical | Pass    |
| 6   | 12191.100       | 51.37            | 2.43        | 74.0           | -22.63          | Peak     | 37.00          | 150         | Vertical | Pass    |
| 6** | 12191.100       | 41.60            | 2.43        | 54.0           | -12.40          | AV       | 37.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1368.300        | 37.49            | -17.56      | 74.0           | -36.51          | Peak     | 22.00          | 150         | Horizontal | Pass    |
| 1** | 1368.300        | 28.33            | -17.56      | 54.0           | -25.67          | AV       | 22.00          | 150         | Horizontal | Pass    |
| 2   | 2804.600        | 42.60            | -11.06      | 74.0           | -31.40          | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 2** | 2804.600        | 33.63            | -11.06      | 54.0           | -20.37          | AV       | 152.00         | 150         | Horizontal | Pass    |
| 3   | 4266.800        | 48.14            | -4.81       | 74.0           | -25.86          | Peak     | 308.00         | 150         | Horizontal | Pass    |
| 3** | 4266.800        | 38.96            | -4.81       | 54.0           | -15.04          | AV       | 308.00         | 150         | Horizontal | Pass    |
| 4   | 5743.000        | 98.76            | -3.61       | --             | --              | Peak     | 151.00         | 150         | Horizontal | N/A     |
| 4** | 5743.000        | 91.56            | -3.61       | --             | --              | AV       | 151.00         | 150         | Horizontal | N/A     |
| 5   | 7546.250        | 47.91            | -1.58       | 74.0           | -26.09          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 5** | 7546.250        | 39.96            | -1.58       | 54.0           | -14.04          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 6   | 12274.475       | 52.52            | 2.46        | 74.0           | -21.48          | Peak     | 78.00          | 150         | Horizontal | Pass    |
| 6** | 12274.475       | 42.75            | 2.46        | 54.0           | -11.25          | AV       | 78.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1368.000        | 38.42            | -17.56      | 74.0           | -35.58          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 1** | 1368.000        | 28.34            | -17.56      | 54.0           | -25.66          | AV       | 287.00         | 150         | Vertical | Pass    |
| 2   | 2764.300        | 42.15            | -11.17      | 74.0           | -31.85          | Peak     | 86.00          | 150         | Vertical | Pass    |
| 2** | 2764.300        | 34.01            | -11.17      | 54.0           | -19.99          | AV       | 86.00          | 150         | Vertical | Pass    |
| 3   | 3958.200        | 46.34            | -5.72       | 74.0           | -27.66          | Peak     | 61.00          | 150         | Vertical | Pass    |
| 3** | 3958.200        | 36.86            | -5.72       | 54.0           | -17.14          | AV       | 61.00          | 150         | Vertical | Pass    |
| 4   | 5745.800        | 94.06            | -3.58       | --             | --              | Peak     | 76.00          | 150         | Vertical | N/A     |
| 4** | 5745.800        | 86.76            | -3.58       | --             | --              | AV       | 76.00          | 150         | Vertical | N/A     |
| 5   | 7340.687        | 48.16            | -2.52       | 74.0           | -25.84          | Peak     | 68.00          | 150         | Vertical | Pass    |
| 5** | 7340.687        | 38.38            | -2.52       | 54.0           | -15.62          | AV       | 68.00          | 150         | Vertical | Pass    |
| 6   | 11653.188       | 52.25            | 2.54        | 74.0           | -21.75          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 6** | 11653.188       | 42.39            | 2.54        | 54.0           | -11.61          | AV       | 78.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1544.700        | 37.97            | -17.80      | 74.0           | -36.03          | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 1** | 1544.700        | 28.32            | -17.80      | 54.0           | -25.68          | AV       | 166.00         | 150         | Horizontal | Pass    |
| 2   | 2800.400        | 42.72            | -11.12      | 74.0           | -31.28          | Peak     | 104.00         | 150         | Horizontal | Pass    |
| 2** | 2800.400        | 33.85            | -11.12      | 54.0           | -20.15          | AV       | 104.00         | 150         | Horizontal | Pass    |
| 3   | 4106.600        | 47.29            | -5.34       | 74.0           | -26.71          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 3** | 4106.600        | 37.50            | -5.34       | 54.0           | -16.50          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 4   | 5785.600        | 100.51           | -3.01       | --             | --              | Peak     | 155.00         | 150         | Horizontal | N/A     |
| 4** | 5785.600        | 91.88            | -3.01       | --             | --              | AV       | 155.00         | 150         | Horizontal | N/A     |
| 5   | 7403.937        | 48.22            | -1.68       | 74.0           | -25.78          | Peak     | 277.00         | 150         | Horizontal | Pass    |
| 5** | 7403.937        | 38.62            | -1.68       | 54.0           | -15.38          | AV       | 277.00         | 150         | Horizontal | Pass    |
| 6   | 12228.475       | 52.21            | 2.62        | 74.0           | -21.79          | Peak     | 215.00         | 150         | Horizontal | Pass    |
| 6** | 12228.475       | 42.11            | 2.62        | 54.0           | -11.89          | AV       | 215.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1517.700        | 38.02            | -17.74      | 74.0           | -35.98          | Peak     | 162.00         | 150         | Vertical | Pass    |
| 1** | 1517.700        | 28.56            | -17.74      | 54.0           | -25.44          | AV       | 162.00         | 150         | Vertical | Pass    |
| 2   | 2812.200        | 42.79            | -10.82      | 74.0           | -31.21          | Peak     | 349.00         | 150         | Vertical | Pass    |
| 2** | 2812.200        | 33.70            | -10.82      | 54.0           | -20.30          | AV       | 349.00         | 150         | Vertical | Pass    |
| 3   | 3883.600        | 47.23            | -6.56       | 74.0           | -26.77          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 3** | 3883.600        | 36.41            | -6.56       | 54.0           | -17.59          | AV       | 292.00         | 150         | Vertical | Pass    |
| 4   | 5783.400        | 95.17            | -3.05       | --             | --              | Peak     | 38.00          | 150         | Vertical | N/A     |
| 4** | 5783.400        | 87.71            | -3.05       | --             | --              | AV       | 38.00          | 150         | Vertical | N/A     |
| 5   | 7545.962        | 48.22            | -1.58       | 74.0           | -25.78          | Peak     | 98.00          | 150         | Vertical | Pass    |
| 5** | 7545.962        | 39.71            | -1.58       | 54.0           | -14.29          | AV       | 98.00          | 150         | Vertical | Pass    |
| 6   | 11671.588       | 51.56            | 2.47        | 74.0           | -22.44          | Peak     | 314.00         | 150         | Vertical | Pass    |
| 6** | 11671.588       | 42.33            | 2.47        | 54.0           | -11.67          | AV       | 314.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1523.400        | 38.11            | -17.67      | 74.0           | -35.89          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 1** | 1523.400        | 28.35            | -17.67      | 54.0           | -25.65          | AV       | 1.00           | 150         | Horizontal | Pass    |
| 2   | 2731.900        | 43.59            | -10.72      | 74.0           | -30.41          | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 2** | 2731.900        | 32.76            | -10.72      | 54.0           | -21.24          | AV       | 90.00          | 150         | Horizontal | Pass    |
| 3   | 4000.200        | 46.38            | -5.64       | 74.0           | -27.62          | Peak     | 231.00         | 150         | Horizontal | Pass    |
| 3** | 4000.200        | 37.02            | -5.64       | 54.0           | -16.98          | AV       | 231.00         | 150         | Horizontal | Pass    |
| 4   | 5823.800        | 98.84            | -2.75       | --             | --              | Peak     | 178.00         | 150         | Horizontal | N/A     |
| 4** | 5823.800        | 91.88            | -2.75       | --             | --              | AV       | 178.00         | 150         | Horizontal | N/A     |
| 5   | 7407.675        | 48.52            | -1.73       | 74.0           | -25.48          | Peak     | 17.00          | 150         | Horizontal | Pass    |
| 5** | 7407.675        | 39.33            | -1.73       | 54.0           | -14.67          | AV       | 17.00          | 150         | Horizontal | Pass    |
| 6   | 11646.287       | 50.92            | 2.51        | 74.0           | -23.08          | Peak     | -1.00          | 150         | Horizontal | Pass    |
| 6** | 11646.287       | 42.88            | 2.51        | 54.0           | -11.12          | AV       | -1.00          | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1379.200        | 38.50            | -17.50      | 74.0           | -35.50          | Peak     | 15.00          | 150         | Vertical | Pass    |
| 1** | 1379.200        | 28.41            | -17.50      | 54.0           | -25.59          | AV       | 15.00          | 150         | Vertical | Pass    |
| 2   | 2834.300        | 42.80            | -10.77      | 74.0           | -31.20          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 2** | 2834.300        | 34.02            | -10.77      | 54.0           | -19.98          | AV       | 194.00         | 150         | Vertical | Pass    |
| 3   | 4837.800        | 48.58            | -3.55       | 74.0           | -25.42          | Peak     | 152.00         | 150         | Vertical | Pass    |
| 3** | 4837.800        | 37.97            | -3.55       | 54.0           | -16.03          | AV       | 152.00         | 150         | Vertical | Pass    |
| 4   | 5825.800        | 95.50            | -2.74       | --             | --              | Peak     | 2.00           | 150         | Vertical | N/A     |
| 4** | 5825.800        | 89.02            | -2.74       | --             | --              | AV       | 2.00           | 150         | Vertical | N/A     |
| 5   | 7397.900        | 48.90            | -1.64       | 74.0           | -25.10          | Peak     | 27.00          | 150         | Vertical | Pass    |
| 5** | 7397.900        | 39.02            | -1.64       | 54.0           | -14.98          | AV       | 27.00          | 150         | Vertical | Pass    |
| 6   | 11668.712       | 52.27            | 2.48        | 74.0           | -21.73          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 11668.712       | 42.22            | 2.48        | 54.0           | -11.78          | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1576.300        | 38.35            | -17.52      | 74.0           | -35.65          | Peak     | 231.00         | 150         | Horizontal | Pass    |
| 1** | 1576.300        | 28.43            | -17.52      | 54.0           | -25.57          | AV       | 231.00         | 150         | Horizontal | Pass    |
| 2   | 2836.700        | 42.93            | -10.81      | 74.0           | -31.07          | Peak     | 341.00         | 150         | Horizontal | Pass    |
| 2** | 2836.700        | 33.10            | -10.81      | 54.0           | -20.90          | AV       | 341.00         | 150         | Horizontal | Pass    |
| 3   | 4191.200        | 47.02            | -5.29       | 74.0           | -26.98          | Peak     | 335.00         | 150         | Horizontal | Pass    |
| 3** | 4191.200        | 37.87            | -5.29       | 54.0           | -16.13          | AV       | 335.00         | 150         | Horizontal | Pass    |
| 4   | 5750.800        | 96.35            | -3.56       | --             | --              | Peak     | 157.00         | 150         | Horizontal | N/A     |
| 4** | 5750.800        | 88.05            | -3.56       | --             | --              | AV       | 157.00         | 150         | Horizontal | N/A     |
| 5   | 7540.500        | 48.54            | -1.66       | 74.0           | -25.46          | Peak     | 337.00         | 150         | Horizontal | Pass    |
| 5** | 7540.500        | 40.17            | -1.66       | 54.0           | -13.83          | AV       | 337.00         | 150         | Horizontal | Pass    |
| 6   | 11658.937       | 51.74            | 2.52        | 74.0           | -22.26          | Peak     | 17.00          | 150         | Horizontal | Pass    |
| 6** | 11658.937       | 42.78            | 2.52        | 54.0           | -11.22          | AV       | 17.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1575.100        | 38.35            | -17.55      | 74.0           | -35.65          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 1** | 1575.100        | 28.39            | -17.55      | 54.0           | -25.61          | AV       | 357.00         | 150         | Vertical | Pass    |
| 2   | 2818.400        | 42.87            | -10.61      | 74.0           | -31.13          | Peak     | 249.00         | 150         | Vertical | Pass    |
| 2** | 2818.400        | 33.59            | -10.61      | 54.0           | -20.41          | AV       | 249.00         | 150         | Vertical | Pass    |
| 3   | 4266.000        | 47.52            | -4.80       | 74.0           | -26.48          | Peak     | 304.00         | 150         | Vertical | Pass    |
| 3** | 4266.000        | 38.19            | -4.80       | 54.0           | -15.81          | AV       | 304.00         | 150         | Vertical | Pass    |
| 4   | 5752.800        | 91.99            | -3.51       | --             | --              | Peak     | 24.00          | 150         | Vertical | N/A     |
| 4** | 5752.800        | 84.50            | -3.51       | --             | --              | AV       | 24.00          | 150         | Vertical | N/A     |
| 5   | 7596.850        | 49.02            | -2.34       | 74.0           | -24.98          | Peak     | 328.00         | 150         | Vertical | Pass    |
| 5** | 7596.850        | 38.77            | -2.34       | 54.0           | -15.23          | AV       | 328.00         | 150         | Vertical | Pass    |
| 6   | 11721.900       | 51.43            | 1.97        | 74.0           | -22.57          | Peak     | 173.00         | 150         | Vertical | Pass    |
| 6** | 11721.900       | 41.71            | 1.97        | 54.0           | -12.29          | AV       | 173.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1520.200        | 38.48            | -17.72      | 74.0           | -35.52          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 1** | 1520.200        | 28.49            | -17.72      | 54.0           | -25.51          | AV       | 283.00         | 150         | Horizontal | Pass    |
| 2   | 2770.700        | 43.19            | -11.22      | 74.0           | -30.81          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 2** | 2770.700        | 34.11            | -11.22      | 54.0           | -19.89          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 3   | 4259.000        | 47.77            | -4.76       | 74.0           | -26.23          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 3** | 4259.000        | 38.10            | -4.76       | 54.0           | -15.90          | AV       | 79.00          | 150         | Horizontal | Pass    |
| 4   | 5796.800        | 96.96            | -2.73       | --             | --              | Peak     | 133.00         | 150         | Horizontal | N/A     |
| 4** | 5796.800        | 89.25            | -2.73       | --             | --              | AV       | 133.00         | 150         | Horizontal | N/A     |
| 5   | 7527.563        | 48.86            | -1.62       | 74.0           | -25.14          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7527.563        | 39.26            | -1.62       | 54.0           | -14.74          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11667.276       | 52.11            | 2.49        | 74.0           | -21.89          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 11667.276       | 42.70            | 2.49        | 54.0           | -11.30          | AV       | 0.00           | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1354.600        | 39.48            | -17.57      | 74.0           | -34.52          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 1** | 1354.600        | 28.37            | -17.57      | 54.0           | -25.63          | AV       | 182.00         | 150         | Vertical | Pass    |
| 2   | 2789.600        | 43.27            | -11.09      | 74.0           | -30.73          | Peak     | 81.00          | 150         | Vertical | Pass    |
| 2** | 2789.600        | 33.82            | -11.09      | 54.0           | -20.18          | AV       | 81.00          | 150         | Vertical | Pass    |
| 3   | 4188.200        | 47.52            | -5.21       | 74.0           | -26.48          | Peak     | 94.00          | 150         | Vertical | Pass    |
| 3** | 4188.200        | 38.15            | -5.21       | 54.0           | -15.85          | AV       | 94.00          | 150         | Vertical | Pass    |
| 4   | 5792.400        | 93.84            | -2.85       | --             | --              | Peak     | 9.00           | 150         | Vertical | N/A     |
| 4** | 5792.400        | 86.87            | -2.85       | --             | --              | AV       | 9.00           | 150         | Vertical | N/A     |
| 5   | 7502.263        | 48.58            | -1.89       | 74.0           | -25.42          | Peak     | 267.00         | 150         | Vertical | Pass    |
| 5** | 7502.263        | 38.51            | -1.89       | 54.0           | -15.49          | AV       | 267.00         | 150         | Vertical | Pass    |
| 6   | 12211.225       | 51.28            | 2.58        | 74.0           | -22.72          | Peak     | 277.00         | 150         | Vertical | Pass    |
| 6** | 12211.225       | 42.08            | 2.58        | 54.0           | -11.92          | AV       | 277.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1586.000        | 38.98            | -17.66      | 74.0           | -35.02          | Peak     | 248.00         | 150         | Horizontal | Pass    |
| 1** | 1586.000        | 30.37            | -17.66      | 54.0           | -23.63          | AV       | 248.00         | 150         | Horizontal | Pass    |
| 2   | 2739.300        | 42.79            | -10.67      | 74.0           | -31.21          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 2** | 2739.300        | 33.03            | -10.67      | 54.0           | -20.97          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 3   | 4203.000        | 47.17            | -5.19       | 74.0           | -26.83          | Peak     | 329.00         | 150         | Horizontal | Pass    |
| 3** | 4203.000        | 38.51            | -5.19       | 54.0           | -15.49          | AV       | 329.00         | 150         | Horizontal | Pass    |
| 4   | 5745.600        | 98.32            | -3.59       | --             | --              | Peak     | 158.00         | 150         | Horizontal | N/A     |
| 4** | 5745.600        | 91.88            | -3.59       | --             | --              | AV       | 158.00         | 150         | Horizontal | N/A     |
| 5   | 7554.588        | 49.01            | -1.57       | 74.0           | -24.99          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 5** | 7554.588        | 40.38            | -1.57       | 54.0           | -13.62          | AV       | 252.00         | 150         | Horizontal | Pass    |
| 6   | 11674.750       | 51.81            | 2.46        | 74.0           | -22.19          | Peak     | 205.00         | 150         | Horizontal | Pass    |
| 6** | 11674.750       | 42.38            | 2.46        | 54.0           | -11.62          | AV       | 205.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1543.400        | 38.18            | -17.74      | 74.0           | -35.82          | Peak     | 103.00         | 150         | Vertical | Pass    |
| 1** | 1543.400        | 28.75            | -17.74      | 54.0           | -25.25          | AV       | 103.00         | 150         | Vertical | Pass    |
| 2   | 2799.500        | 42.56            | -11.13      | 74.0           | -31.44          | Peak     | 67.00          | 150         | Vertical | Pass    |
| 2** | 2799.500        | 34.08            | -11.13      | 54.0           | -19.92          | AV       | 67.00          | 150         | Vertical | Pass    |
| 3   | 4133.800        | 47.00            | -5.59       | 74.0           | -27.00          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 3** | 4133.800        | 37.65            | -5.59       | 54.0           | -16.35          | AV       | 150.00         | 150         | Vertical | Pass    |
| 4   | 5743.400        | 94.55            | -3.60       | --             | --              | Peak     | 42.00          | 150         | Vertical | N/A     |
| 4** | 5743.400        | 87.96            | -3.60       | --             | --              | AV       | 42.00          | 150         | Vertical | N/A     |
| 5   | 7546.825        | 48.59            | -1.58       | 74.0           | -25.41          | Peak     | 118.00         | 150         | Vertical | Pass    |
| 5** | 7546.825        | 39.85            | -1.58       | 54.0           | -14.15          | AV       | 118.00         | 150         | Vertical | Pass    |
| 6   | 11654.625       | 51.45            | 2.54        | 74.0           | -22.55          | Peak     | 313.00         | 150         | Vertical | Pass    |
| 6** | 11654.625       | 44.29            | 2.54        | 54.0           | -9.71           | AV       | 313.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1362.900        | 38.16            | -17.55      | 74.0           | -35.84          | Peak     | 85.00          | 150         | Horizontal | Pass    |
| 1** | 1362.900        | 28.76            | -17.55      | 54.0           | -25.24          | AV       | 85.00          | 150         | Horizontal | Pass    |
| 2   | 2820.500        | 43.29            | -10.60      | 74.0           | -30.71          | Peak     | 185.00         | 150         | Horizontal | Pass    |
| 2** | 2820.500        | 33.92            | -10.60      | 54.0           | -20.08          | AV       | 185.00         | 150         | Horizontal | Pass    |
| 3   | 4211.000        | 47.51            | -4.97       | 74.0           | -26.49          | Peak     | 338.00         | 150         | Horizontal | Pass    |
| 3** | 4211.000        | 37.92            | -4.97       | 54.0           | -16.08          | AV       | 338.00         | 150         | Horizontal | Pass    |
| 4   | 5782.600        | 99.33            | -3.08       | --             | --              | Peak     | 133.00         | 150         | Horizontal | N/A     |
| 4** | 5782.600        | 92.35            | -3.08       | --             | --              | AV       | 133.00         | 150         | Horizontal | N/A     |
| 5   | 7554.588        | 48.69            | -1.57       | 74.0           | -25.31          | Peak     | 311.00         | 150         | Horizontal | Pass    |
| 5** | 7554.588        | 40.15            | -1.57       | 54.0           | -13.85          | AV       | 311.00         | 150         | Horizontal | Pass    |
| 6   | 11779.974       | 51.26            | 1.25        | 74.0           | -22.74          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 6** | 11779.974       | 41.84            | 1.25        | 54.0           | -12.16          | AV       | 294.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1345.600        | 37.88            | -17.67      | 74.0           | -36.12          | Peak     | 302.00         | 150         | Vertical | Pass    |
| 1** | 1345.600        | 29.11            | -17.67      | 54.0           | -24.89          | AV       | 302.00         | 150         | Vertical | Pass    |
| 2   | 2795.200        | 43.53            | -11.19      | 74.0           | -30.47          | Peak     | 169.00         | 150         | Vertical | Pass    |
| 2** | 2795.200        | 33.12            | -11.19      | 54.0           | -20.88          | AV       | 169.00         | 150         | Vertical | Pass    |
| 3   | 4250.600        | 47.66            | -4.71       | 74.0           | -26.34          | Peak     | 327.00         | 150         | Vertical | Pass    |
| 3** | 4250.600        | 38.65            | -4.71       | 54.0           | -15.35          | AV       | 327.00         | 150         | Vertical | Pass    |
| 4   | 5787.400        | 95.94            | -2.97       | --             | --              | Peak     | 241.00         | 150         | Vertical | N/A     |
| 4** | 5787.400        | 87.99            | -2.97       | --             | --              | AV       | 241.00         | 150         | Vertical | N/A     |
| 5   | 7547.975        | 49.02            | -1.58       | 74.0           | -24.98          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 7547.975        | 39.66            | -1.58       | 54.0           | -14.34          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 11670.150       | 51.15            | 2.48        | 74.0           | -22.85          | Peak     | 274.00         | 150         | Vertical | Pass    |
| 6** | 11670.150       | 42.65            | 2.48        | 54.0           | -11.35          | AV       | 274.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1562.100        | 38.38            | -17.67      | 74.0           | -35.62          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1562.100        | 28.45            | -17.67      | 54.0           | -25.55          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2830.600        | 43.52            | -10.67      | 74.0           | -30.48          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2830.600        | 33.76            | -10.67      | 54.0           | -20.24          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4215.600        | 47.26            | -4.82       | 74.0           | -26.74          | Peak     | 352.00         | 150         | Horizontal | Pass    |
| 3** | 4215.600        | 37.83            | -4.82       | 54.0           | -16.17          | AV       | 352.00         | 150         | Horizontal | Pass    |
| 4   | 5826.200        | 99.06            | -2.74       | --             | --              | Peak     | 140.00         | 150         | Horizontal | N/A     |
| 4** | 5826.200        | 92.20            | -2.74       | --             | --              | AV       | 140.00         | 150         | Horizontal | N/A     |
| 5   | 7545.100        | 48.30            | -1.60       | 74.0           | -25.70          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7545.100        | 40.73            | -1.60       | 54.0           | -13.27          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 12131.013       | 51.65            | 1.72        | 74.0           | -22.35          | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 6** | 12131.013       | 40.95            | 1.72        | 54.0           | -13.05          | AV       | 275.00         | 150         | 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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1552.100        | 37.97            | -17.67      | 74.0           | -36.03          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 1** | 1552.100        | 28.08            | -17.67      | 54.0           | -25.92          | AV       | 182.00         | 150         | Vertical | Pass    |
| 2   | 2845.600        | 43.45            | -10.79      | 74.0           | -30.55          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 2** | 2845.600        | 33.21            | -10.79      | 54.0           | -20.79          | AV       | 142.00         | 150         | Vertical | Pass    |
| 3   | 4194.400        | 47.61            | -5.29       | 74.0           | -26.39          | Peak     | 351.00         | 150         | Vertical | Pass    |
| 3** | 4194.400        | 37.37            | -5.29       | 54.0           | -16.63          | AV       | 351.00         | 150         | Vertical | Pass    |
| 4   | 5823.200        | 96.38            | -2.75       | --             | --              | Peak     | 9.00           | 150         | Vertical | N/A     |
| 4** | 5823.200        | 88.54            | -2.75       | --             | --              | AV       | 9.00           | 150         | Vertical | N/A     |
| 5   | 7550.850        | 48.42            | -1.59       | 74.0           | -25.58          | Peak     | 148.00         | 150         | Vertical | Pass    |
| 5** | 7550.850        | 39.06            | -1.59       | 54.0           | -14.94          | AV       | 148.00         | 150         | Vertical | Pass    |
| 6   | 11629.038       | 51.48            | 2.32        | 74.0           | -22.52          | Peak     | 121.00         | 150         | Vertical | Pass    |
| 6** | 11629.038       | 41.86            | 2.32        | 54.0           | -12.14          | AV       | 121.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1503.600        | 38.81            | -17.79      | 74.0           | -35.19          | Peak     | 110.00         | 150         | Horizontal | Pass    |
| 1** | 1503.600        | 29.52            | -17.79      | 54.0           | -24.48          | AV       | 110.00         | 150         | Horizontal | Pass    |
| 2   | 2792.900        | 43.16            | -11.17      | 74.0           | -30.84          | Peak     | 266.00         | 150         | Horizontal | Pass    |
| 2** | 2792.900        | 33.10            | -11.17      | 54.0           | -20.90          | AV       | 266.00         | 150         | Horizontal | Pass    |
| 3   | 4088.200        | 47.14            | -4.97       | 74.0           | -26.86          | Peak     | 176.00         | 150         | Horizontal | Pass    |
| 3** | 4088.200        | 37.61            | -4.97       | 54.0           | -16.39          | AV       | 176.00         | 150         | Horizontal | Pass    |
| 4   | 5752.200        | 96.40            | -3.52       | --             | --              | Peak     | 118.00         | 150         | Horizontal | N/A     |
| 4** | 5752.200        | 90.17            | -3.52       | --             | --              | AV       | 118.00         | 150         | Horizontal | N/A     |
| 5   | 7526.987        | 48.73            | -1.60       | 74.0           | -25.27          | Peak     | 202.00         | 150         | Horizontal | Pass    |
| 5** | 7526.987        | 38.96            | -1.60       | 54.0           | -15.04          | AV       | 202.00         | 150         | Horizontal | Pass    |
| 6   | 11700.338       | 51.25            | 2.30        | 74.0           | -22.75          | Peak     | 187.00         | 150         | Horizontal | Pass    |
| 6** | 11700.338       | 41.47            | 2.30        | 54.0           | -12.53          | AV       | 187.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1501.800        | 38.01            | -17.69      | 74.0           | -35.99          | Peak     | 206.00         | 150         | Vertical | Pass    |
| 1** | 1501.800        | 28.40            | -17.69      | 54.0           | -25.60          | AV       | 206.00         | 150         | Vertical | Pass    |
| 2   | 2754.800        | 43.20            | -10.87      | 74.0           | -30.80          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2754.800        | 32.95            | -10.87      | 54.0           | -21.05          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4120.600        | 47.20            | -5.50       | 74.0           | -26.80          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 3** | 4120.600        | 37.05            | -5.50       | 54.0           | -16.95          | AV       | 210.00         | 150         | Vertical | Pass    |
| 4   | 5757.800        | 91.53            | -3.51       | --             | --              | Peak     | 111.00         | 150         | Vertical | N/A     |
| 4** | 5757.800        | 84.11            | -3.51       | --             | --              | AV       | 111.00         | 150         | Vertical | N/A     |
| 5   | 7551.712        | 48.31            | -1.57       | 74.0           | -25.69          | Peak     | 53.00          | 150         | Vertical | Pass    |
| 5** | 7551.712        | 40.19            | -1.57       | 54.0           | -13.81          | AV       | 53.00          | 150         | Vertical | Pass    |
| 6   | 12152.575       | 51.36            | 1.91        | 74.0           | -22.64          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 6** | 12152.575       | 40.68            | 1.91        | 54.0           | -13.32          | AV       | 210.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1568.800        | 38.01            | -17.59      | 74.0           | -35.99          | Peak     | 11.00          | 150         | Horizontal | Pass    |
| 1** | 1568.800        | 29.17            | -17.59      | 54.0           | -24.83          | AV       | 11.00          | 150         | Horizontal | Pass    |
| 2   | 2753.400        | 43.18            | -10.86      | 74.0           | -30.82          | Peak     | 133.00         | 150         | Horizontal | Pass    |
| 2** | 2753.400        | 33.01            | -10.86      | 54.0           | -20.99          | AV       | 133.00         | 150         | Horizontal | Pass    |
| 3   | 4188.600        | 47.06            | -5.22       | 74.0           | -26.94          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4188.600        | 37.04            | -5.22       | 54.0           | -16.96          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5798.600        | 96.86            | -2.70       | --             | --              | Peak     | 141.00         | 150         | Horizontal | N/A     |
| 4** | 5798.600        | 90.12            | -2.70       | --             | --              | AV       | 141.00         | 150         | Horizontal | N/A     |
| 5   | 7558.038        | 48.71            | -1.67       | 74.0           | -25.29          | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 5** | 7558.038        | 39.25            | -1.67       | 54.0           | -14.75          | AV       | 330.00         | 150         | Horizontal | Pass    |
| 6   | 12200.875       | 51.94            | 2.56        | 74.0           | -22.06          | Peak     | 41.00          | 150         | Horizontal | Pass    |
| 6** | 12200.875       | 42.53            | 2.56        | 54.0           | -11.47          | AV       | 41.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1384.400        | 38.30            | -17.50      | 74.0           | -35.70          | Peak     | 341.00         | 150         | Vertical | Pass    |
| 1** | 1384.400        | 28.38            | -17.50      | 54.0           | -25.62          | AV       | 341.00         | 150         | Vertical | Pass    |
| 2   | 2806.500        | 42.79            | -10.98      | 74.0           | -31.21          | Peak     | 71.00          | 150         | Vertical | Pass    |
| 2** | 2806.500        | 33.99            | -10.98      | 54.0           | -20.01          | AV       | 71.00          | 150         | Vertical | Pass    |
| 3   | 4257.600        | 47.57            | -4.77       | 74.0           | -26.43          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4257.600        | 38.33            | -4.77       | 54.0           | -15.67          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5797.000        | 93.22            | -2.72       | --             | --              | Peak     | 1.00           | 150         | Vertical | N/A     |
| 4** | 5797.000        | 85.01            | -2.72       | --             | --              | AV       | 1.00           | 150         | Vertical | N/A     |
| 5   | 7557.463        | 48.50            | -1.67       | 74.0           | -25.50          | Peak     | 228.00         | 150         | Vertical | Pass    |
| 5** | 7557.463        | 39.61            | -1.67       | 54.0           | -14.39          | AV       | 228.00         | 150         | Vertical | Pass    |
| 6   | 11652.612       | 51.87            | 2.55        | 74.0           | -22.13          | Peak     | 336.00         | 150         | Vertical | Pass    |
| 6** | 11652.612       | 42.37            | 2.55        | 54.0           | -11.63          | AV       | 336.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1355.900        | 38.62            | -17.55      | 74.0           | -35.38          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 1** | 1355.900        | 28.69            | -17.55      | 54.0           | -25.31          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 2   | 2816.700        | 42.35            | -10.65      | 74.0           | -31.65          | Peak     | 92.00          | 150         | Horizontal | Pass    |
| 2** | 2816.700        | 33.20            | -10.65      | 54.0           | -20.80          | AV       | 92.00          | 150         | Horizontal | Pass    |
| 3   | 4109.800        | 47.01            | -5.41       | 74.0           | -26.99          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 3** | 4109.800        | 37.06            | -5.41       | 54.0           | -16.94          | AV       | 76.00          | 150         | Horizontal | Pass    |
| 4   | 5772.600        | 94.60            | -3.25       | --             | --              | Peak     | 141.00         | 150         | Horizontal | N/A     |
| 4** | 5772.600        | 88.13            | -3.25       | --             | --              | AV       | 141.00         | 150         | Horizontal | N/A     |
| 5   | 7553.150        | 48.17            | -1.56       | 74.0           | -25.83          | Peak     | 207.00         | 150         | Horizontal | Pass    |
| 5** | 7553.150        | 40.41            | -1.56       | 54.0           | -13.59          | AV       | 207.00         | 150         | Horizontal | Pass    |
| 6   | 11637.088       | 51.00            | 2.41        | 74.0           | -23.00          | Peak     | 93.00          | 150         | Horizontal | Pass    |
| 6** | 11637.088       | 41.81            | 2.41        | 54.0           | -12.19          | AV       | 93.00          | 150         | Horizontal | Pass    |

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

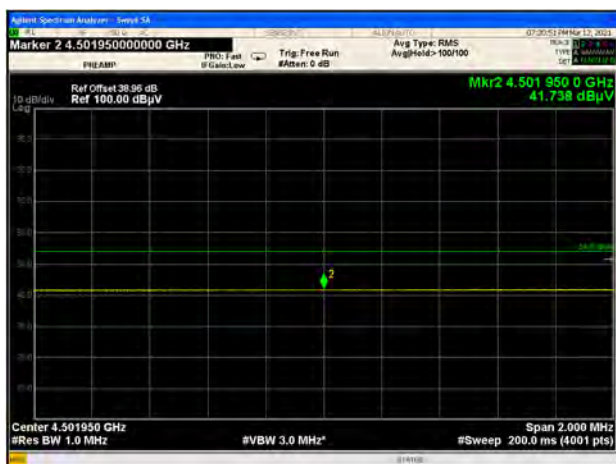
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1357.800        | 38.24            | -17.60      | 74.0           | -35.76          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 1** | 1357.800        | 28.76            | -17.60      | 54.0           | -25.24          | AV       | 108.00         | 150         | Vertical | Pass    |
| 2   | 2799.500        | 42.72            | -11.13      | 74.0           | -31.28          | Peak     | 262.00         | 150         | Vertical | Pass    |
| 2** | 2799.500        | 32.96            | -11.13      | 54.0           | -21.04          | AV       | 262.00         | 150         | Vertical | Pass    |
| 3   | 4050.400        | 47.46            | -5.40       | 74.0           | -26.54          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4050.400        | 37.61            | -5.40       | 54.0           | -16.39          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5778.400        | 89.39            | -3.15       | --             | --              | Peak     | 6.00           | 150         | Vertical | N/A     |
| 4** | 5778.400        | 81.79            | -3.15       | --             | --              | AV       | 6.00           | 150         | Vertical | N/A     |
| 5   | 7383.525        | 48.15            | -1.75       | 74.0           | -25.85          | Peak     | 106.00         | 150         | Vertical | Pass    |
| 5** | 7383.525        | 39.30            | -1.75       | 54.0           | -14.70          | AV       | 106.00         | 150         | Vertical | Pass    |
| 6   | 11674.174       | 50.96            | 2.46        | 74.0           | -23.04          | Peak     | 280.00         | 150         | Vertical | Pass    |
| 6** | 11674.174       | 42.86            | 2.46        | 54.0           | -11.14          | AV       | 280.00         | 150         | Vertical | Pass    |

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

| Test Band | Mode            | Channel | Verdict |
|-----------|-----------------|---------|---------|
| U-NII-1   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT40) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT80) | Middle  | Pass    |
| U-NII-3   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT40) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT80) | Middle  | Pass    |

## Main Antenna

U-NII-1 11a CH48 Peak

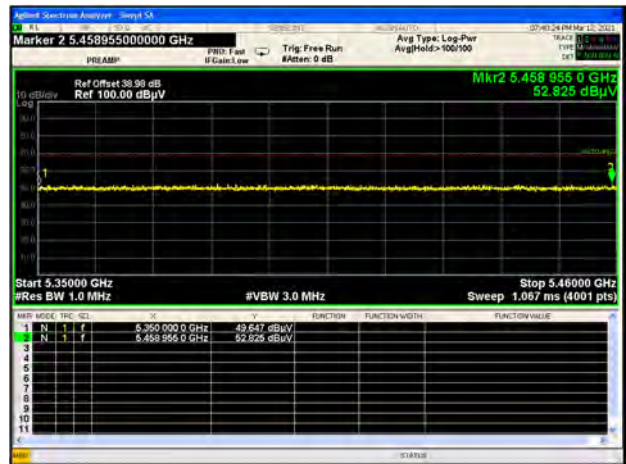




## U-NII-1 11n40 CH38 Peak



## U-NII-1 11n40 CH46 Peak



## U-NII-1 11n40 CH38 AV



## U-NII-1 11ac20 CH36 Peak



## U-NII-1 11ac20 CH48 Peak





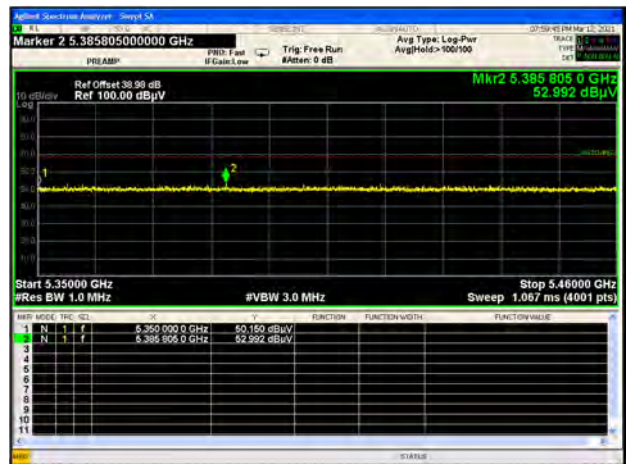
### U-NII-1 11ac20 CH36 AV



### U-NII-1 11ac40 CH38 Peak



### U-NII-1 11ac40 CH46 Peak



### U-NII-1 11ac40 CH38 AV



U-NII-1 11ac80 CH42 Peak



U-NII-1 11ac80 CH42 Peak



U-NII-1 11ac80 CH42 AV



U-NII-3 11a CH149 Peak



U-NII-3 11a CH165 Peak





U-NII-3 11n20 CH149 Peak



U-NII-3 11n20 CH165 Peak



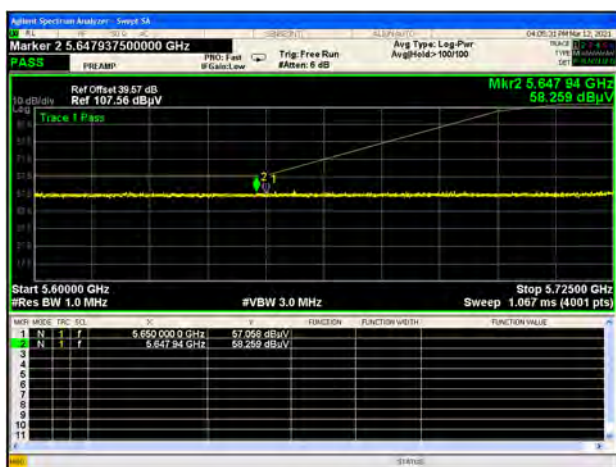
U-NII-3 11n40 CH151 Peak



U-NII-3 11n40 CH159 Peak



U-NII-3 11ac20 CH149 Peak



U-NII-3 11ac20 CH165 Peak



U-NII-3 11ac40 CH151 Peak



U-NII-3 11ac40 CH159 Peak



U-NII-3 11ac80 CH155 Peak



U-NII-3 11ac80 CH155 Peak



## Aux. Antenna

U-NII-1 11a CH36 Peak



U-NII-1 11a CH48 Peak





U-NII-1 11n20 CH36 Peak



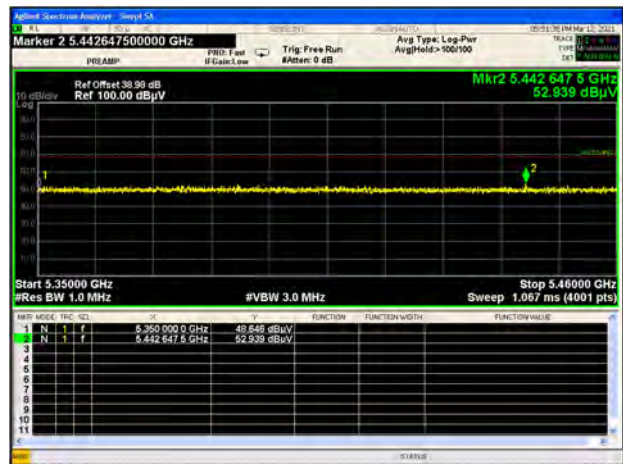
U-NII-1 11n20 CH48 Peak



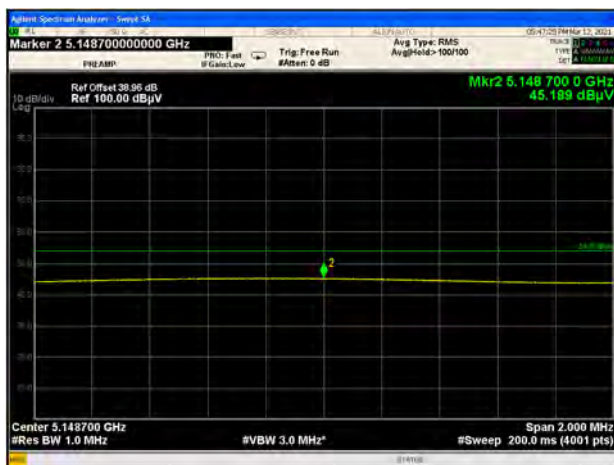
U-NII-1 11n40 CH38 Peak



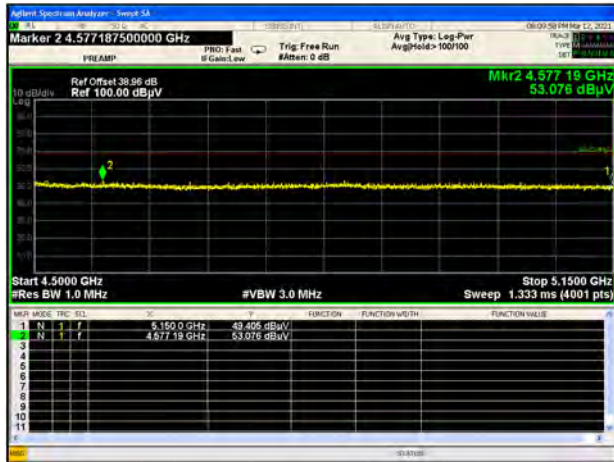
U-NII-1 11n40 CH46 Peak



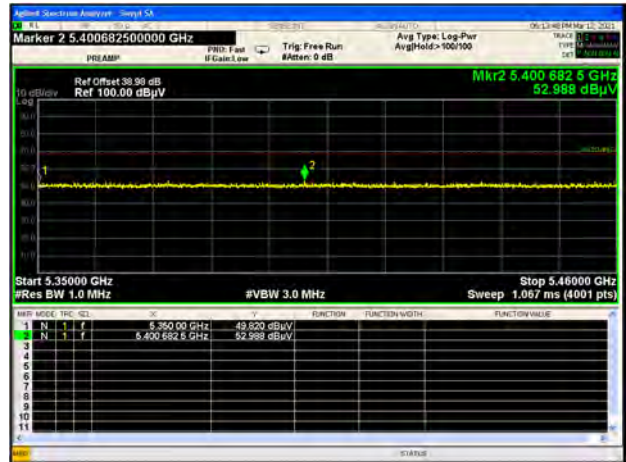
U-NII-1 11n40 CH38 AV



U-NII-1 11ac20 CH36 Peak



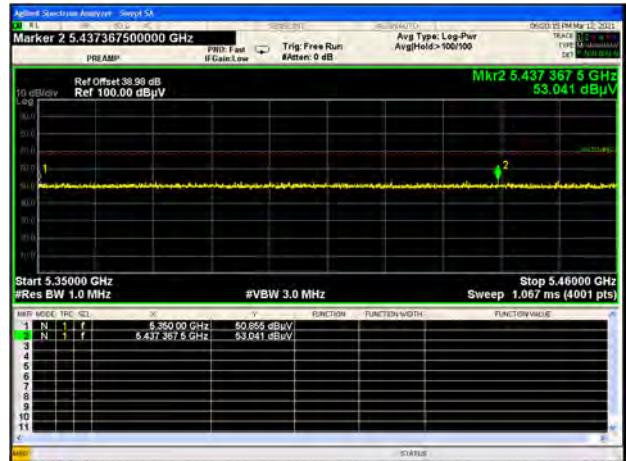
U-NII-1 11ac20 CH48 Peak



U-NII-1 11ac40 CH38 Peak



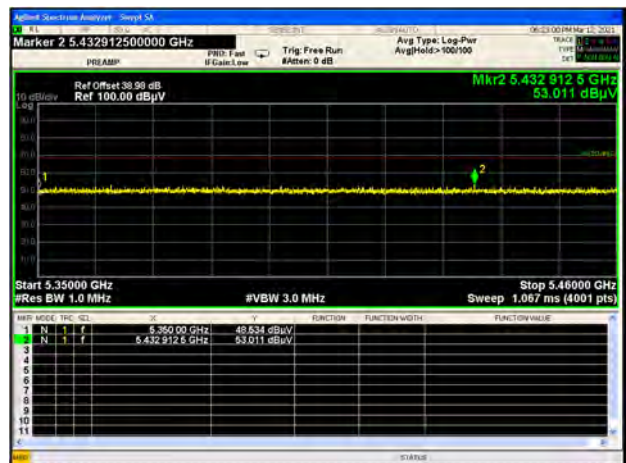
U-NII-1 11ac40 CH46 Peak



U-NII-1 11ac80 CH42 Peak



U-NII-1 11ac80 CH42 Peak





U-NII-3 11a CH149 Peak



U-NII-3 11a CH165 Peak



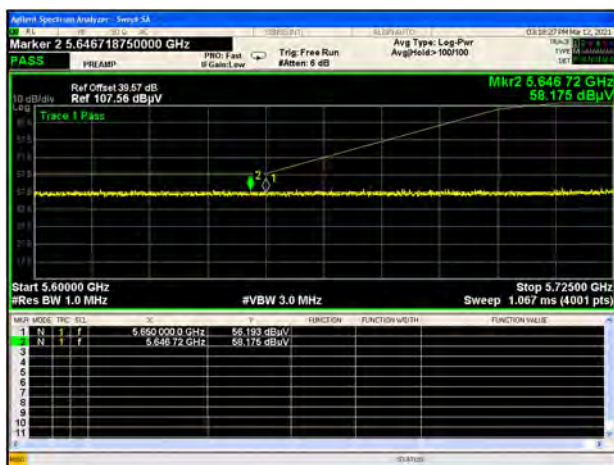
U-NII-3 11n20 CH149 Peak



U-NII-3 11n20 CH165 Peak



U-NII-3 11n40 CH151 Peak



U-NII-3 11n40 CH159 Peak



U-NII-3 11ac20 CH149 Peak



U-NII-3 11ac20 CH165 Peak



U-NII-3 11ac40 CH151 Peak



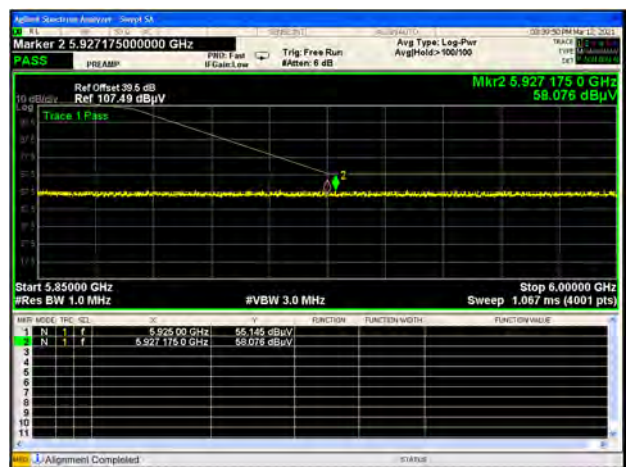
U-NII-3 11ac40 CH159 Peak



U-NII-3 11ac80 CH155 Peak



U-NII-3 11ac80 CH155 Peak





## MIMO

## U-NII-1 11a CH36 Peak



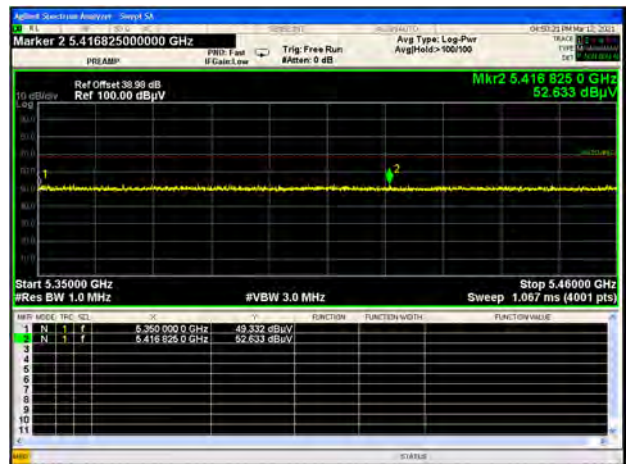
## U-NII-1 11a CH48 Peak



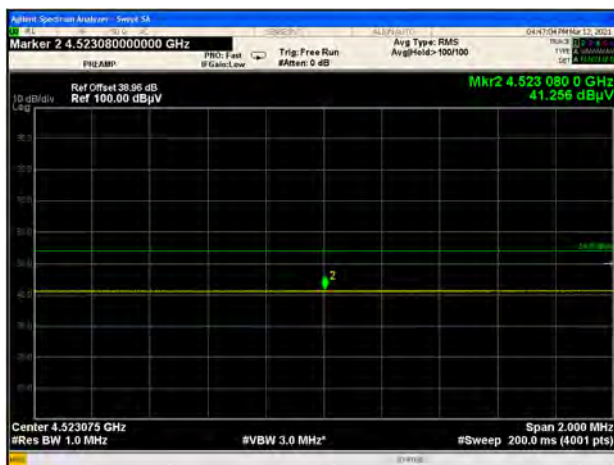
## U-NII-1 11n20 CH36 Peak



## U-NII-1 11n20 CH48 Peak



## U-NII-1 11n20 CH36 AV



U-NII-1 11n40 CH38 Peak



U-NII-1 11n40 CH46 Peak



U-NII-1 11n40 CH38 AV



U-NII-1 11ac20 CH36 Peak



U-NII-1 11ac20 CH48 Peak





U-NII-1 11ac40 CH38 Peak



U-NII-1 11ac40 CH46 Peak



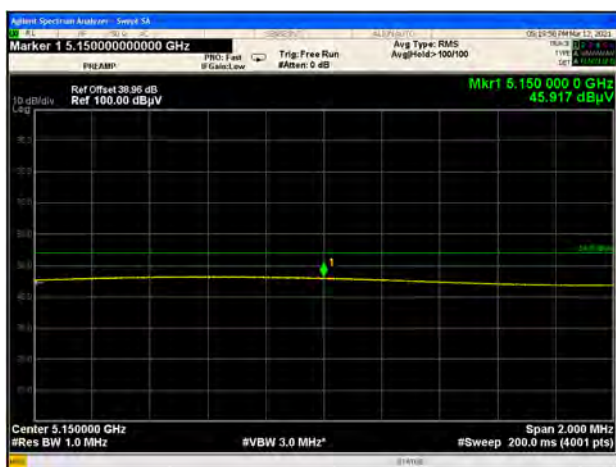
U-NII-1 11ac80 CH42 Peak



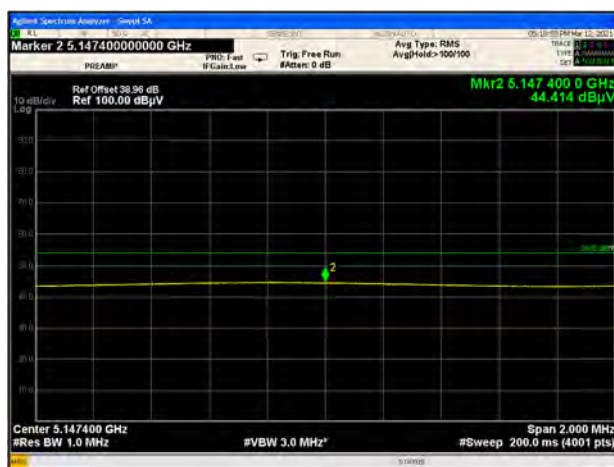
U-NII-1 11ac80 CH42 Peak



U-NII-1 11ac80 CH42 AV



U-NII-1 11ac80 CH42 AV



U-NII-3 11a CH149 Peak



U-NII-3 11a CH165 Peak



U-NII-3 11n20 CH149 Peak



U-NII-3 11n20 CH165 Peak



U-NII-3 11n40 CH151 Peak



U-NII-3 11n40 CH159 Peak





U-NII-3 11ac20 CH149 Peak



U-NII-3 11ac20 CH165 Peak



U-NII-3 11ac40 CH151 Peak



U-NII-3 11ac40 CH159 Peak



U-NII-3 11ac80 CH155 Peak



U-NII-3 11ac80 CH155 Peak



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document "BL-SZ2120401-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ2120401-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ2120401-AI.PDF".

--END OF REPORT--