

# RF

# TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**Mobile Phone**

ISSUED TO  
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City,  
Guangdong, China



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Date: Sep. 27, 2021  
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(Testing Director)  
Date: Sep. 27, 2021

Report No.: BL-SZ2190504-604  
EUT Name: Mobile Phone  
Model Name: A103OP  
Brand Name: OPPO  
Test Standard: 47 CFR Part 15 Subpart E  
(refer section 3.1)  
FCC ID: R9C-A103OP

Test Conclusion: Pass  
Test Date: Jan. 14, 2021 ~ Feb. 23, 2021  
Date of Issue: Sep. 27, 2021

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**Revision History**

| <u>Version</u> | <u>Issue Date</u>    | <u>Revisions Content</u> |
|----------------|----------------------|--------------------------|
| <u>Rev. 01</u> | <u>Sep. 27, 2021</u> | <u>Initial Issue</u>     |

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# 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                                                                                     |
| 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 | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                             |
| Address   | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |

### 2.2 Manufacturer

|              |                                                                                  |
|--------------|----------------------------------------------------------------------------------|
| Manufacturer | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                             |
| Address      | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |

### 2.3 Factory

|         |                                                                                  |
|---------|----------------------------------------------------------------------------------|
| Factory | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                             |
| Address | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |

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

|                                           |                |
|-------------------------------------------|----------------|
| EUT Name                                  | Mobile Phone   |
| Model Name Under Test                     | A103OP         |
| Series Model Name                         | N/A            |
| Description of Model name differentiation | N/A            |
| Hardware Version                          | 11             |
| Software Version                          | ColorOS 11     |
| Dimensions (Approx.)                      | 162x74.4x8.2mm |
| Weight (Approx.)                          | 182g           |

## 2.5 Technical Information

|                                   |                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | 2G Network GSM/GPRS/EDGE 850/1900 MHz<br>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network LTE FDD Band 2/4/5/7/12/17/26<br>LTE TDD Band 38/41<br>LTE CA Uplink (UL): CA_7C<br>Bluetooth (BR+EDR+BLE)<br>2.4G WIFI 802.11b, 802.11g, 802.11n(HT20)<br>5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80)<br>U-NII-1/2A/2C/3<br>GPS, GLONASS, BDS, Galileo, SBAS, NFC, FM receiver |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                                                         |                                                                                                                                       |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range                                         | U-NII-1: 5150 MHz to 5250 MHz,<br>U-NII-2A: 5250 MHz to 5350 MHz,<br>U-NII-2C: 5500 MHz to 5720 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: 17.11 dBm<br>U-NII-2A: 17.82 dBm<br>U-NII-2C: 17.36 dBm<br>U-NII-3: 17.31 dBm                                                |
| Antenna System (eg., MIMO, Smart Antenna)               | N/A                                                                                                                                   |
| Categorization as Correlated or Completely Uncorrelated | N/A                                                                                                                                   |
| Antenna Type                                            | PIFA Antenna                                                                                                                          |
| Antenna Gain                                            | -1.03 dBi<br>(In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.) |
| About the Product                                       | The equipment is Mobile Phone, 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                          | QRCT4       |              |       |
| Support Units<br>(Software installation media) | Description | Manufacturer | Model |
|                                                | Notebook    | Lenovo       | X220  |

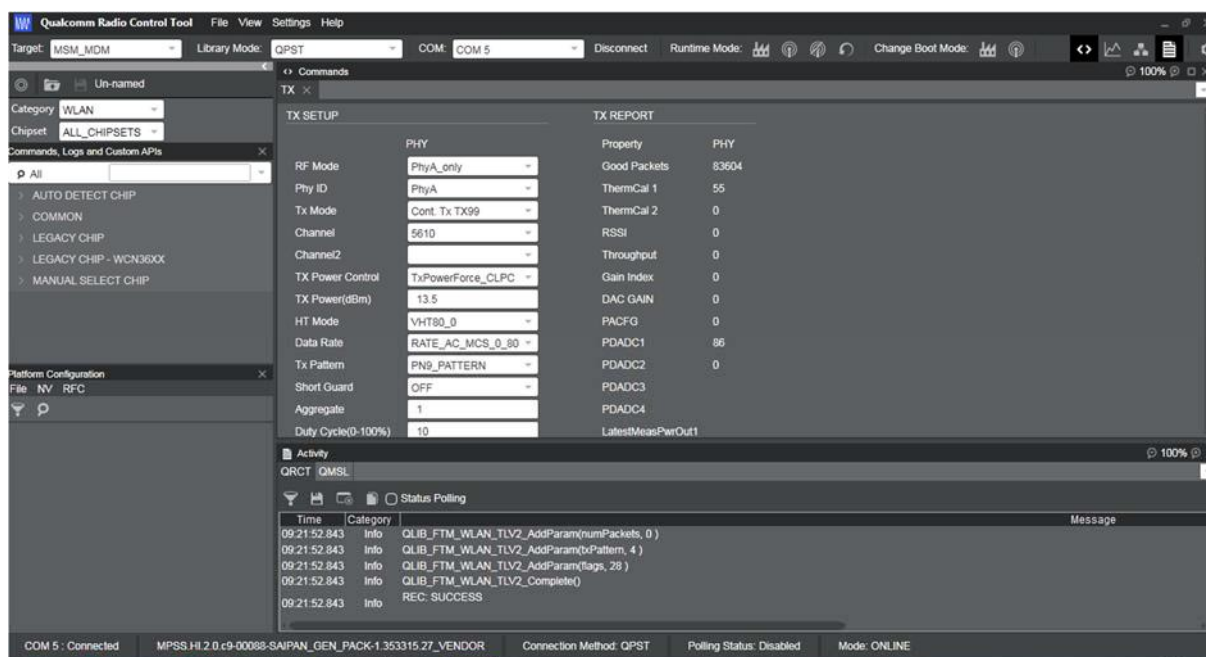
| U-NII-1 (5150 - 5250 MHz) Power level setup in software |         |                 |          |
|---------------------------------------------------------|---------|-----------------|----------|
| Mode                                                    | Channel | Frequency (MHz) | Soft Set |
| 11a                                                     | CH36    | 5180            | 16.5     |
| 11a                                                     | CH44    | 5220            | 17.5     |
| 11a                                                     | CH48    | 5240            | 17.5     |
| 11n (HT20)                                              | CH36    | 5180            | 16.0     |
| 11n (HT20)                                              | CH44    | 5220            | 18.0     |
| 11n (HT20)                                              | CH48    | 5240            | 18.0     |
| 11n (HT40)                                              | CH38    | 5190            | 11.5     |
| 11n (HT40)                                              | CH46    | 5230            | 16.5     |
| 11ac (VHT20)                                            | CH36    | 5180            | 16.0     |
| 11ac (VHT20)                                            | CH44    | 5220            | 17.5     |
| 11ac (VHT20)                                            | CH48    | 5240            | 17.5     |
| 11ac (VHT40)                                            | CH38    | 5190            | 11.0     |
| 11ac (VHT40)                                            | CH46    | 5230            | 17.0     |
| 11ac (VHT80)                                            | CH42    | 5210            | 11.0     |

| U-NII-2A (5250 - 5350 MHz) Power level setup in software |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Mode                                                     | Channel | Frequency (MHz) | Soft Set |
| 11a                                                      | CH52    | 5260            | 17.5     |
| 11a                                                      | CH60    | 5300            | 17.5     |
| 11a                                                      | CH64    | 5320            | 17.5     |
| 11n (HT20)                                               | CH52    | 5260            | 18.0     |
| 11n (HT20)                                               | CH60    | 5300            | 18.0     |
| 11n (HT20)                                               | CH64    | 5320            | 17.5     |
| 11n (HT40)                                               | CH54    | 5270            | 16.5     |
| 11n (HT40)                                               | CH62    | 5310            | 14.5     |
| 11ac (VHT20)                                             | CH52    | 5260            | 17.5     |
| 11ac (VHT20)                                             | CH60    | 5300            | 17.5     |
| 11ac (VHT20)                                             | CH64    | 5320            | 17.5     |
| 11ac (VHT40)                                             | CH54    | 5270            | 17.0     |
| 11ac (VHT40)                                             | CH62    | 5310            | 13.0     |
| 11ac (VHT80)                                             | CH58    | 5290            | 13.0     |

| U-NII-2C (5470 - 5725 MHz) Power level setup in software |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Mode                                                     | Channel | Frequency (MHz) | Soft Set |
| 11a                                                      | CH100   | 5500            | 17.5     |
| 11a                                                      | CH116   | 5580            | 18.0     |
| 11a                                                      | CH140   | 5700            | 18.0     |
| 11a                                                      | CH144   | 5720            | 18.0     |
| 11n (HT20)                                               | CH100   | 5500            | 17.0     |
| 11n (HT20)                                               | CH116   | 5580            | 18.5     |
| 11n (HT20)                                               | CH140   | 5700            | 17.5     |
| 11n (HT20)                                               | CH144   | 5720            | 18.5     |
| 11n (HT40)                                               | CH102   | 5510            | 12.0     |
| 11n (HT40)                                               | CH118   | 5590            | 17.0     |
| 11n (HT40)                                               | CH134   | 5670            | 17.0     |
| 11n (HT40)                                               | CH142   | 5710            | 17.0     |
| 11ac (VHT20)                                             | CH100   | 5500            | 17.5     |
| 11ac (VHT20)                                             | CH116   | 5580            | 17.5     |
| 11ac (VHT20)                                             | CH140   | 5700            | 17.5     |
| 11ac (VHT20)                                             | CH144   | 5720            | 17.5     |
| 11ac (VHT40)                                             | CH102   | 5510            | 12.5     |
| 11ac (VHT40)                                             | CH118   | 5590            | 17.0     |
| 11ac (VHT40)                                             | CH134   | 5670            | 17.0     |
| 11ac (VHT40)                                             | CH142   | 5710            | 17.0     |
| 11ac (VHT80)                                             | CH106   | 5530            | 12.5     |
| 11ac (VHT80)                                             | CH122   | 5610            | 13.5     |
| 11ac (VHT80)                                             | CH138   | 5690            | 17.0     |

| U-NII-3 (5725 - 5850 MHz) Power level setup in software |         |                 |          |
|---------------------------------------------------------|---------|-----------------|----------|
| Mode                                                    | Channel | Frequency (MHz) | Soft Set |
| 11a                                                     | CH149   | 5745            | 18.0     |
| 11a                                                     | CH157   | 5785            | 18.0     |
| 11a                                                     | CH165   | 5825            | 18.0     |
| 11n (HT20)                                              | CH149   | 5745            | 17.5     |
| 11n (HT20)                                              | CH157   | 5785            | 17.5     |
| 11n (HT20)                                              | CH165   | 5825            | 17.5     |
| 11n (HT40)                                              | CH151   | 5755            | 17.5     |
| 11n (HT40)                                              | CH159   | 5795            | 17.5     |
| 11ac (VHT20)                                            | CH149   | 5745            | 17.0     |
| 11ac (VHT20)                                            | CH157   | 5785            | 17.0     |
| 11ac (VHT20)                                            | CH165   | 5825            | 17.0     |
| 11ac (VHT40)                                            | CH151   | 5755            | 17.0     |
| 11ac (VHT40)                                            | CH159   | 5795            | 17.0     |
| 11ac (VHT80)                                            | CH155   | 5775            | 17.0     |

## Run Software



The screenshot displays the Qualcomm Radio Control Tool interface. The main window is titled "Qualcomm Radio Control Tool" and includes a menu bar (File, View, Settings, Help) and a toolbar. The interface is divided into several panes:

- Left Pane:** Contains a tree view with categories like "WLAN", "ALL\_CHIPSETS", and "Commands, Logs and Custom APIs". It also includes a "Platform Configuration" section with "File", "NV", and "RFC" options.
- TX SETUP Pane:** Displays configuration parameters for the TX setup, including:
  - PHY: PhyA\_only
  - Phy ID: PhyA
  - Tx Mode: Cont. Tx TX99
  - Channel: 5610
  - Channel2: (empty)
  - TX Power Control: TxPowerForce\_CLPC
  - TX Power(dBm): 13.5
  - HT Mode: VHT80\_0
  - Data Rate: RATE\_AC\_MCS\_0\_80
  - Tx Pattern: PN9\_PATTERN
  - Short Guard: OFF
  - Aggregate: 1
  - Duty Cycle(0-100%): 10
- TX REPORT Pane:** Displays performance metrics, including:
  - Property: PHY
  - Good Packets: 83604
  - ThermCal 1: 55
  - ThermCal 2: 0
  - RSSI: 0
  - Throughput: 0
  - Gain Index: 0
  - DAC GAIN: 0
  - PACFG: 0
  - PDADC1: 86
  - PDADC2: 0
  - PDADC3: 0
  - PDADC4: 0
  - LatestMeasPwrOut1
- Activity Pane:** Shows a log of events with columns for Time, Category, and Message. The log includes entries for "QLIB\_FTM\_WLAN\_TLV2\_AddParam(numPackets, 0)", "QLIB\_FTM\_WLAN\_TLV2\_AddParam(txPattern, 4)", "QLIB\_FTM\_WLAN\_TLV2\_AddParam(flags, 28)", "QLIB\_FTM\_WLAN\_TLV2\_Complete()", and "REC: SUCCESS".
- Bottom Status Bar:** Displays connection status: "COM 5 : Connected", "MPSS.HI.2.0.c9-00088-Saipan\_GEN\_PACK-1.353315.27\_VENDOR", "Connection Method: QPST", "Polling Status: Disabled", and "Mode: ONLINE".

## 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>58</b>      | <b>5290</b>     |
| <b>44</b>      | <b>5220</b>     | <b>54</b>      | <b>5270</b>     | <b>106</b>     | <b>5530</b>     |
| <b>48</b>      | <b>5240</b>     | <b>62</b>      | <b>5310</b>     | <b>138</b>     | <b>5690</b>     |
| <b>52</b>      | <b>5260</b>     | <b>102</b>     | <b>5510</b>     | <b>155</b>     | <b>5775</b>     |
| 56             | 5280            | 110            | 5550            |                |                 |
| <b>60</b>      | <b>5300</b>     | <b>134</b>     | <b>5670</b>     |                |                 |
| <b>64</b>      | <b>5320</b>     | <b>142</b>     | <b>5710</b>     |                |                 |
| <b>100</b>     | <b>5500</b>     | <b>151</b>     | <b>5755</b>     |                |                 |
| 104            | 5520            | <b>159</b>     | <b>5795</b>     |                |                 |
| 108            | 5540            |                |                 |                |                 |
| 112            | 5560            |                |                 |                |                 |
| <b>116</b>     | <b>5580</b>     |                |                 |                |                 |
| 132            | 5660            |                |                 |                |                 |
| 136            | 5680            |                |                 |                |                 |
| <b>140</b>     | <b>5700</b>     |                |                 |                |                 |
| <b>144</b>     | <b>5720</b>     |                |                 |                |                 |
| <b>149</b>     | <b>5745</b>     |                |                 |                |                 |
| 153            | 5765            |                |                 |                |                 |
| <b>157</b>     | <b>5785</b>     |                |                 |                |                 |
| 161            | 5805            |                |                 |                |                 |
| <b>165</b>     | <b>5825</b>     |                |                 |                |                 |

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

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

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

| U-NII-2C (5470 - 5725 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 100                        | Low     | 5500            | 144                       | --      | 5720            |
| 116                        | Mid     | 5580            | 149                       | Low     | 5745            |
| 140                        | High    | 5700            | 157                       | Mid     | 5785            |
| 144                        | --      | 5720            | 165                       | High    | 5825            |

For 802.11n(HT40)/ac(VHT40)

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

| U-NII-2C (5150 - 5250 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 102                        | Low     | 5510            | 142                       | --      | 5710            |
| 110                        | Mid     | 5550            | 151                       | Low     | 5755            |
| 134                        | High    | 5670            | 159                       | High    | 5795            |
| 142                        | --      | 5710            |                           |         |                 |

For 802.11ac(VHT80)

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

| U-NII-2C (5470 - 5725 MHz) |         |                 | U-NII-3 (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 106                        | Low     | 5530            | 138                       | --      | 5690            |
| 138                        | High    | 5690            | 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-2A | U-NII-2C        | U-NII-3         |
|---------------------------------------------|--------------|-----------|-----------------|----------|----------|-----------------|-----------------|
|                                             |              |           |                 | Channel  | Channel  | Channel         | Channel         |
| RF Output Power                             | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 138/122/106     | 155/138         |
| Emission Bandwidth & 99% Occupied Bandwidth | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 138/122/106     | 155/138         |
| 6 dB bandwidth                              | 11a          | 6         | BPSK            | N/A      | N/A      | N/A             | 165/157/149/144 |
|                                             | 11n(20 MHz)  | 6.5       |                 | N/A      | N/A      | N/A             | 165/157/149/144 |
|                                             | 11n(40 MHz)  | 13.5      |                 | N/A      | N/A      | N/A             | 159/151/142     |
|                                             | 11ac(20 MHz) | 6.5       |                 | N/A      | N/A      | N/A             | 165/157/149/144 |
|                                             | 11ac(40 MHz) | 13.5      |                 | N/A      | N/A      | N/A             | 159/151/142     |
|                                             | 11ac(80 MHz) | 29.3      |                 | N/A      | N/A      | N/A             | 155/138         |
| Power Spectral Density                      | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 138/122/106     | 155/138         |
| Radiated Spurious Emissions                 | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 138/122/106     | 155/138         |
| Band Edge (Restricted -band)                | 11a          | 6         | BPSK            | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 64/60/52 | 144/140/116/100 | 165/157/149/144 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 62/54    | 142/134/110/102 | 159/151/142     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 58       | 138/122/106     | 155/138         |

### 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   | 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)   | +35°C          |
| Working Voltage of the EUT | NV (Normal Voltage)     | 3.85 V         |
|                            | LV (Low Voltage)        | 3.60 V         |
|                            | HV (High Voltage)       | 4.40 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       | 2020.02.19 | 2021.02.18 |
| Power Amplifier                   | OPHIR RF                | 5273F             | 1016       | 2020.02.19 | 2021.02.18 |
| 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    | 2020.02.19 | 2021.02.18 |
| 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     | 2020.02.28 | 2021.02.27 |

### 4.3 Measurement Uncertainty

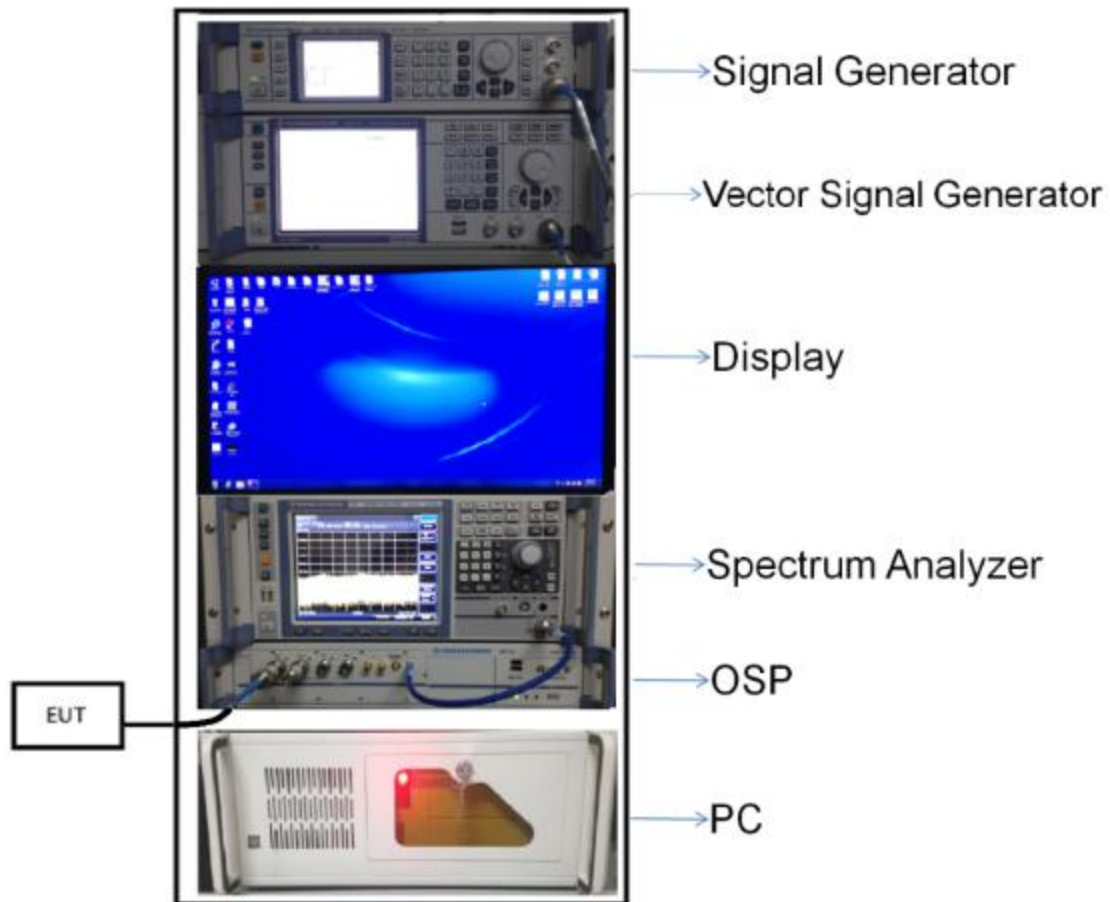
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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                          | $\pm 4\%$               |

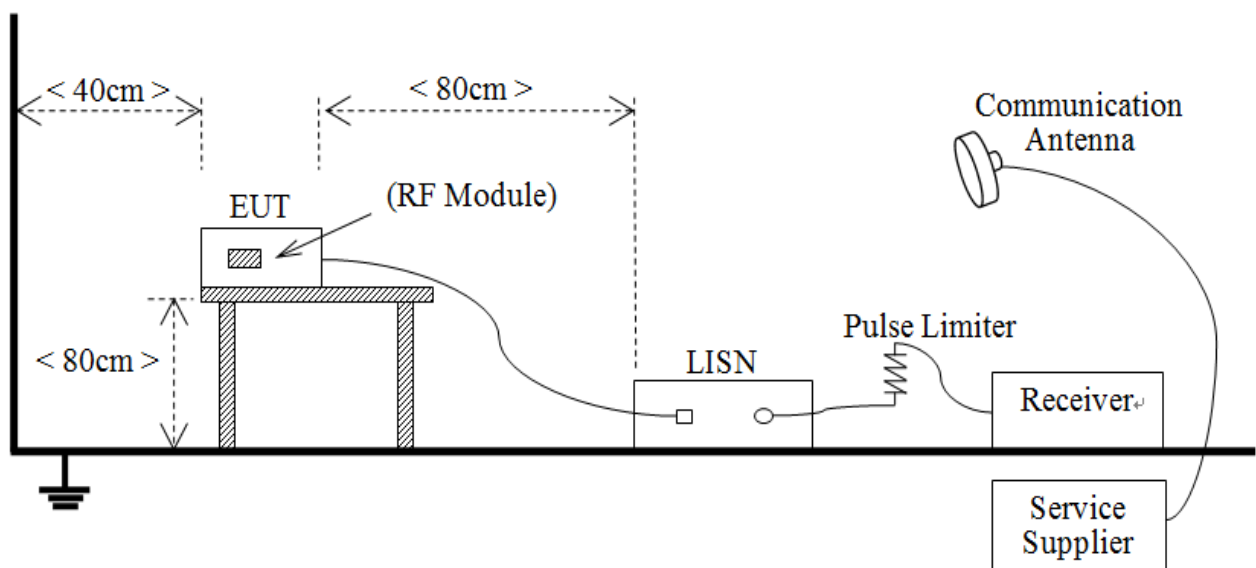
## 4.4 Description of Test Setup

### 4.4.1 For Antenna Port Test



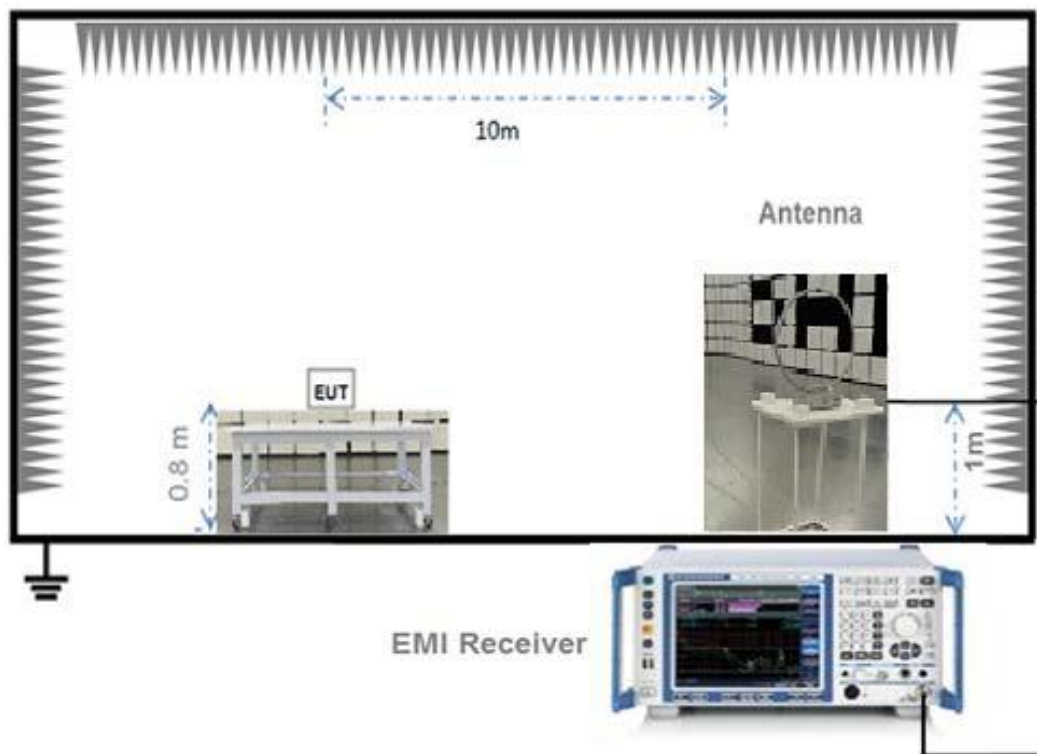
(Diagram 1)

### 4.4.2 For AC Power Supply Port Test



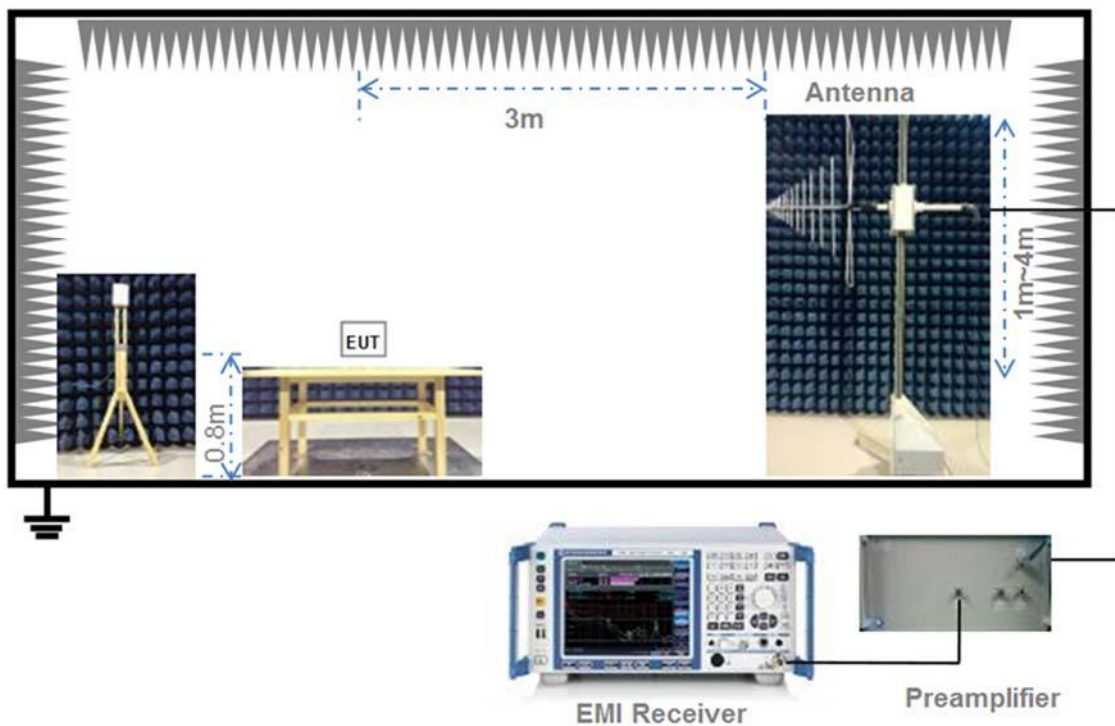
(Diagram 2)

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



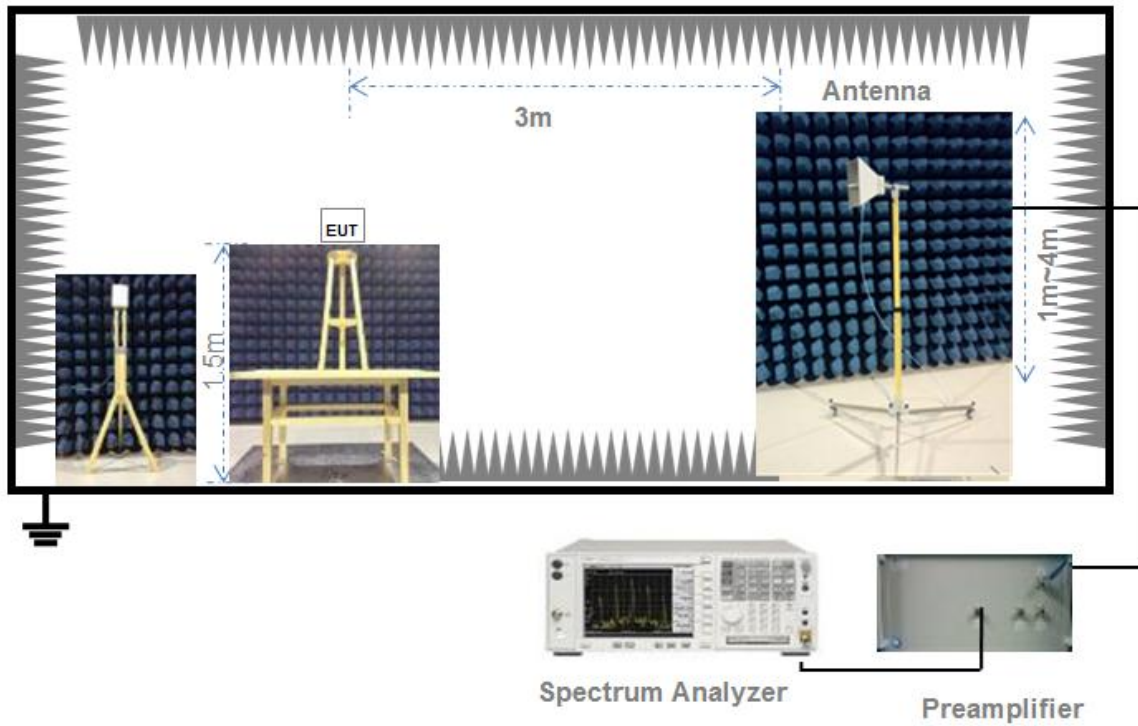
(Diagram 3)

#### 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)

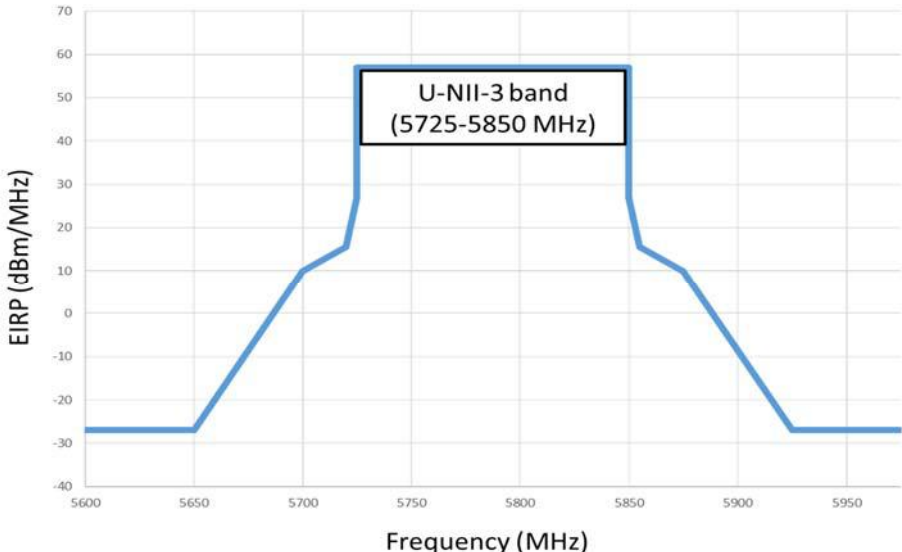
### 5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

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

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

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

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

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

### 5.5.2 Test Setup

The section 4.4.3-4.4.5 (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 1: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Test Data

##### Conducted Power

| U-NII-1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH36    | 16.06                 | 40.36                | 250            | Pass    |
| 11a                       | CH44    | 16.76                 | 47.42                | 250            | Pass    |
| 11a                       | CH48    | 16.59                 | 45.60                | 250            | Pass    |
| 11n (HT20)                | CH36    | 15.45                 | 35.08                | 250            | Pass    |
| 11n (HT20)                | CH44    | 17.11                 | 51.40                | 250            | Pass    |
| 11n (HT20)                | CH48    | 16.80                 | 47.86                | 250            | Pass    |
| 11n (HT40)                | CH38    | 11.94                 | 15.63                | 250            | Pass    |
| 11n (HT40)                | CH46    | 16.13                 | 41.02                | 250            | Pass    |
| 11ac (VHT20)              | CH36    | 15.51                 | 35.56                | 250            | Pass    |
| 11ac (VHT20)              | CH44    | 16.61                 | 45.81                | 250            | Pass    |
| 11ac (HVT20)              | CH48    | 16.37                 | 43.35                | 250            | Pass    |
| 11ac (VHT40)              | CH38    | 11.43                 | 13.90                | 250            | Pass    |
| 11ac (VHT40)              | CH46    | 16.60                 | 45.71                | 250            | Pass    |
| 11ac (VHT80)              | CH42    | 11.14                 | 13.00                | 250            | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH52    | 16.80                 | 47.86                | 250            | Pass    |
| 11a                        | CH60    | 17.43                 | 55.34                | 250            | Pass    |
| 11a                        | CH64    | 17.82                 | 60.53                | 250            | Pass    |
| 11n (HT20)                 | CH52    | 17.11                 | 51.40                | 250            | Pass    |
| 11n (HT20)                 | CH60    | 17.73                 | 59.29                | 250            | Pass    |
| 11n (HT20)                 | CH64    | 17.14                 | 51.76                | 250            | Pass    |
| 11n (HT40)                 | CH54    | 16.49                 | 44.57                | 250            | Pass    |
| 11n (HT40)                 | CH62    | 14.64                 | 29.11                | 250            | Pass    |
| 11ac (VHT20)               | CH52    | 16.64                 | 46.13                | 250            | Pass    |
| 11ac (VHT20)               | CH60    | 17.27                 | 53.33                | 250            | Pass    |
| 11ac (HVT20)               | CH64    | 17.64                 | 58.08                | 250            | Pass    |
| 11ac (VHT40)               | CH54    | 17.00                 | 50.12                | 250            | Pass    |
| 11ac (VHT40)               | CH62    | 13.15                 | 20.65                | 250            | Pass    |
| 11ac (VHT80)               | CH58    | 13.02                 | 20.04                | 250            | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH100   | 17.36                 | 54.45                | 250            | Pass    |
| 11a                        | CH116   | 16.85                 | 48.42                | 250            | Pass    |
| 11a                        | CH140   | 16.72                 | 46.99                | 250            | Pass    |
| 11a                        | CH144   | 16.76                 | 47.42                | 250            | Pass    |
| 11n (HT20)                 | CH100   | 16.75                 | 47.32                | 250            | Pass    |
| 11n (HT20)                 | CH116   | 17.33                 | 54.08                | 250            | Pass    |
| 11n (HT20)                 | CH140   | 16.44                 | 44.06                | 250            | Pass    |
| 11n (HT20)                 | CH144   | 17.09                 | 51.17                | 250            | Pass    |
| 11n (HT40)                 | CH102   | 12.79                 | 19.01                | 250            | Pass    |
| 11n (HT40)                 | CH118   | 16.34                 | 43.05                | 250            | Pass    |
| 11n (HT40)                 | CH134   | 15.77                 | 37.76                | 250            | Pass    |
| 11n (HT40)                 | CH142   | 16.26                 | 42.27                | 250            | Pass    |
| 11ac (VHT20)               | CH100   | 16.80                 | 47.86                | 250            | Pass    |
| 11ac (VHT20)               | CH116   | 16.40                 | 43.65                | 250            | Pass    |
| 11ac (VHT20)               | CH140   | 16.15                 | 41.21                | 250            | Pass    |
| 11ac (VHT20)               | CH144   | 16.34                 | 43.05                | 250            | Pass    |
| 11ac (VHT40)               | CH102   | 13.31                 | 21.43                | 250            | Pass    |
| 11ac (VHT40)               | CH118   | 16.43                 | 43.95                | 250            | Pass    |
| 11ac (VHT40)               | CH134   | 15.92                 | 39.08                | 250            | Pass    |
| 11ac (VHT40)               | CH142   | 16.34                 | 43.05                | 250            | Pass    |
| 11ac (VHT80)               | CH106   | 12.93                 | 19.63                | 250            | Pass    |
| 11ac (VHT80)               | CH122   | 13.29                 | 21.33                | 250            | Pass    |
| 11ac (VHT80)               | CH138   | 16.03                 | 40.09                | 250            | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH144   | 16.76                 | 47.42                | 1000           | Pass    |
| 11a                       | CH149   | 17.31                 | 53.83                | 1000           | Pass    |
| 11a                       | CH157   | 16.97                 | 49.77                | 1000           | Pass    |
| 11a                       | CH165   | 16.00                 | 39.81                | 1000           | Pass    |
| 11n (HT20)                | CH144   | 17.09                 | 51.17                | 1000           | Pass    |
| 11n (HT20)                | CH149   | 16.70                 | 46.77                | 1000           | Pass    |
| 11n (HT20)                | CH157   | 16.45                 | 44.16                | 1000           | Pass    |
| 11n (HT20)                | CH165   | 15.45                 | 35.08                | 1000           | Pass    |
| 11n (HT40)                | CH142   | 16.26                 | 42.27                | 1000           | Pass    |
| 11n (HT40)                | CH151   | 17.24                 | 52.97                | 1000           | Pass    |
| 11n (HT40)                | CH159   | 16.64                 | 46.13                | 1000           | Pass    |
| 11ac (VHT20)              | CH144   | 16.34                 | 43.05                | 1000           | Pass    |
| 11ac (VHT20)              | CH149   | 16.29                 | 42.56                | 1000           | Pass    |
| 11ac (VHT20)              | CH157   | 15.98                 | 39.63                | 1000           | Pass    |
| 11ac (VHT20)              | CH165   | 15.00                 | 31.62                | 1000           | Pass    |
| 11ac (VHT40)              | CH142   | 16.34                 | 43.05                | 1000           | Pass    |
| 11ac (VHT40)              | CH151   | 16.84                 | 48.31                | 1000           | Pass    |
| 11ac (VHT40)              | CH159   | 16.35                 | 43.15                | 1000           | Pass    |
| 11ac (VHT80)              | CH138   | 16.03                 | 40.09                | 1000           | Pass    |
| 11ac (VHT80)              | CH155   | 16.35                 | 43.15                | 1000           | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2190504-604 Data Part 1.pdf”.

### Test Data

| U-NII-1 (5150 - 5250 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH36    | 20.24                 | 16.56               |
| 11a                       | CH44    | 22.40                 | 16.61               |
| 11a                       | CH48    | 22.32                 | 16.67               |
| 11n (HT20)                | CH36    | 20.92                 | 17.66               |
| 11n (HT20)                | CH44    | 22.76                 | 17.77               |
| 11n (HT20)                | CH48    | 22.84                 | 17.77               |
| 11n (HT40)                | CH38    | 41.80                 | 36.35               |
| 11n (HT40)                | CH46    | 42.00                 | 36.35               |
| 11ac (VHT20)              | CH36    | 20.92                 | 17.71               |
| 11ac (VHT20)              | CH44    | 22.76                 | 17.77               |
| 11ac (HVT20)              | CH48    | 23.04                 | 17.77               |
| 11ac (VHT40)              | CH38    | 41.60                 | 36.35               |
| 11ac (VHT40)              | CH46    | 41.70                 | 36.47               |
| 11ac (VHT80)              | CH42    | 83.60                 | 75.72               |

| U-NII-2A (5250 - 5350 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH52    | 22.08                 | 16.61               |
| 11a                        | CH60    | 22.16                 | 16.67               |
| 11a                        | CH64    | 22.12                 | 16.67               |
| 11n (HT20)                 | CH52    | 22.60                 | 17.77               |
| 11n (HT20)                 | CH60    | 22.64                 | 17.77               |
| 11n (HT20)                 | CH64    | 20.72                 | 17.71               |
| 11n (HT40)                 | CH54    | 41.80                 | 36.35               |
| 11n (HT40)                 | CH62    | 41.70                 | 36.35               |
| 11ac (VHT20)               | CH52    | 23.00                 | 17.77               |
| 11ac (VHT20)               | CH60    | 22.76                 | 17.83               |
| 11ac (VHT20)               | CH64    | 22.96                 | 17.77               |
| 11ac (VHT40)               | CH54    | 41.60                 | 36.35               |
| 11ac (VHT40)               | CH62    | 41.90                 | 36.47               |
| 11ac (VHT80)               | CH58    | 84.00                 | 75.95               |

| U-NII-2C (5470 - 5725 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH100   | 20.32                 | 16.61               |
| 11a                        | CH116   | 21.88                 | 16.61               |
| 11a                        | CH140   | 21.56                 | 16.67               |
| 11a                        | CH144   | 21.76                 | 16.61               |
| 11n (HT20)                 | CH100   | 20.88                 | 17.71               |
| 11n (HT20)                 | CH116   | 22.48                 | 17.77               |
| 11n (HT20)                 | CH140   | 20.80                 | 17.71               |
| 11n (HT20)                 | CH144   | 22.44                 | 17.77               |
| 11n (HT40)                 | CH102   | 41.70                 | 36.35               |
| 11n (HT40)                 | CH118   | 42.20                 | 36.47               |
| 11n (HT40)                 | CH134   | 41.80                 | 36.47               |
| 11n (HT40)                 | CH142   | 41.70                 | 36.35               |
| 11ac (VHT20)               | CH100   | 22.72                 | 17.77               |
| 11ac (VHT20)               | CH116   | 22.60                 | 17.77               |
| 11ac (VHT20)               | CH140   | 22.68                 | 17.71               |
| 11ac (VHT20)               | CH144   | 22.60                 | 17.77               |
| 11ac (VHT40)               | CH102   | 41.60                 | 36.35               |
| 11ac (VHT40)               | CH118   | 41.70                 | 36.47               |
| 11ac (VHT40)               | CH134   | 41.80                 | 36.47               |
| 11ac (VHT40)               | CH142   | 41.60                 | 36.35               |
| 11ac (VHT80)               | CH106   | 83.60                 | 75.95               |
| 11ac (VHT80)               | CH122   | 84.20                 | 75.72               |
| 11ac (VHT80)               | CH138   | 85.60                 | 76.18               |

| U-NII-3 (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 22.60                 | 16.67               |
| 11a                       | CH157   | 21.92                 | 16.61               |
| 11a                       | CH165   | 22.16                 | 16.67               |
| 11n (HT20)                | CH149   | 22.56                 | 17.77               |
| 11n (HT20)                | CH157   | 22.68                 | 17.77               |
| 11n (HT20)                | CH165   | 22.76                 | 17.83               |
| 11n (HT40)                | CH151   | 41.80                 | 36.47               |
| 11n (HT40)                | CH159   | 41.80                 | 36.35               |
| 11ac (VHT20)              | CH149   | 22.88                 | 17.77               |
| 11ac (VHT20)              | CH157   | 22.68                 | 17.77               |
| 11ac (VHT20)              | CH165   | 22.72                 | 17.77               |
| 11ac (VHT40)              | CH151   | 41.70                 | 36.47               |
| 11ac (VHT40)              | CH159   | 41.60                 | 36.35               |
| 11ac (VHT80)              | CH155   | 85.40                 | 75.95               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2190504-604 Data Part 2.pdf”.

#### Test Data

| U-NII-3 (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH144   | 3.15                 | 500.00      | Pass    |
| 11a                       | CH149   | 15.82                | 500.00      | Pass    |
| 11a                       | CH157   | 15.27                | 500.00      | Pass    |
| 11a                       | CH165   | 16.37                | 500.00      | Pass    |
| 11n (HT20)                | CH144   | 3.78                 | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 17.37                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 16.62                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 16.07                | 500.00      | Pass    |
| 11n (HT40)                | CH142   | 3.14                 | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.77                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 36.42                | 500.00      | Pass    |
| 11ac (VHT20)              | CH144   | 3.76                 | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 17.67                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.27                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.77                | 500.00      | Pass    |
| 11ac (VHT40)              | CH142   | 3.00                 | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.97                | 500.00      | Pass    |
| 11ac (VHT40)              | CH159   | 35.47                | 500.00      | Pass    |
| 11ac (VHT80)              | CH138   | 3.14                 | 500.00      | Pass    |
| 11ac (VHT80)              | CH155   | 75.17                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2190504-604 Data Part 3.pdf”.

### Test Data

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

| U-NII-1 (5150 - 5250 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH36    | 4.97          | 11.00           | Pass    |
| 11a                       | CH44    | 6.39          | 11.00           | Pass    |
| 11a                       | CH48    | 6.12          | 11.00           | Pass    |
| 11n (HT20)                | CH36    | 4.16          | 11.00           | Pass    |
| 11n (HT20)                | CH44    | 6.65          | 11.00           | Pass    |
| 11n (HT20)                | CH48    | 6.23          | 11.00           | Pass    |
| 11n (HT40)                | CH38    | -2.54         | 11.00           | Pass    |
| 11n (HT40)                | CH46    | 2.20          | 11.00           | Pass    |
| 11ac (VHT20)              | CH36    | 4.13          | 11.00           | Pass    |
| 11ac (VHT20)              | CH44    | 6.22          | 11.00           | Pass    |
| 11ac (VHT20)              | CH48    | 5.79          | 11.00           | Pass    |
| 11ac (VHT40)              | CH38    | -2.93         | 11.00           | Pass    |
| 11ac (VHT40)              | CH46    | 2.71          | 11.00           | Pass    |
| 11ac (VHT80)              | CH42    | -7.06         | 11.00           | Pass    |

| U-NII-2A (5250 - 5350 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH52    | 6.73          | 11.00           | Pass    |
| 11a                        | CH60    | 6.62          | 11.00           | Pass    |
| 11a                        | CH64    | 6.81          | 11.00           | Pass    |
| 11n (HT20)                 | CH52    | 6.79          | 11.00           | Pass    |
| 11n (HT20)                 | CH60    | 6.50          | 11.00           | Pass    |
| 11n (HT20)                 | CH64    | 5.78          | 11.00           | Pass    |
| 11n (HT40)                 | CH54    | 2.82          | 11.00           | Pass    |
| 11n (HT40)                 | CH62    | 0.20          | 11.00           | Pass    |
| 11ac (VHT20)               | CH52    | 6.27          | 11.00           | Pass    |
| 11ac (VHT20)               | CH60    | 6.18          | 11.00           | Pass    |
| 11ac (VHT20)               | CH64    | 6.31          | 11.00           | Pass    |
| 11ac (VHT40)               | CH54    | 3.53          | 11.00           | Pass    |
| 11ac (VHT40)               | CH62    | -1.32         | 11.00           | Pass    |
| 11ac (VHT80)               | CH58    | -4.93         | 11.00           | Pass    |

| U-NII-2C (5470 - 5725 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH100   | 6.51          | 11.00           | Pass    |
| 11a                        | CH116   | 6.98          | 11.00           | Pass    |
| 11a                        | CH140   | 6.66          | 11.00           | Pass    |
| 11a                        | CH144   | 6.68          | 11.00           | Pass    |
| 11n (HT20)                 | CH100   | 5.57          | 11.00           | Pass    |
| 11n (HT20)                 | CH116   | 7.27          | 11.00           | Pass    |
| 11n (HT20)                 | CH140   | 5.23          | 11.00           | Pass    |
| 11n (HT20)                 | CH144   | 6.69          | 11.00           | Pass    |
| 11n (HT40)                 | CH102   | -1.45         | 11.00           | Pass    |
| 11n (HT40)                 | CH118   | 3.12          | 11.00           | Pass    |
| 11n (HT40)                 | CH134   | 2.09          | 11.00           | Pass    |
| 11n (HT40)                 | CH142   | 2.75          | 11.00           | Pass    |
| 11ac (VHT20)               | CH100   | 6.53          | 11.00           | Pass    |
| 11ac (VHT20)               | CH116   | 6.23          | 11.00           | Pass    |
| 11ac (VHT20)               | CH140   | 5.74          | 11.00           | Pass    |
| 11ac (VHT20)               | CH144   | 5.90          | 11.00           | Pass    |
| 11ac (VHT40)               | CH102   | -0.99         | 11.00           | Pass    |
| 11ac (VHT40)               | CH118   | 2.90          | 11.00           | Pass    |
| 11ac (VHT40)               | CH134   | 2.25          | 11.00           | Pass    |
| 11ac (VHT40)               | CH142   | 2.79          | 11.00           | Pass    |
| 11ac (VHT80)               | CH106   | -5.11         | 11.00           | Pass    |
| 11ac (VHT80)               | CH122   | -4.54         | 11.00           | Pass    |
| 11ac (VHT80)               | CH138   | -1.40         | 11.00           | Pass    |

| U-NII-3 (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH144   | 3.62             | 30.00              | Pass    |
| 11a                       | CH149   | 3.39             | 30.00              | Pass    |
| 11a                       | CH157   | 4.39             | 30.00              | Pass    |
| 11a                       | CH165   | 3.41             | 30.00              | Pass    |
| 11n (HT20)                | CH144   | 3.69             | 30.00              | Pass    |
| 11n (HT20)                | CH149   | 2.60             | 30.00              | Pass    |
| 11n (HT20)                | CH157   | 3.44             | 30.00              | Pass    |
| 11n (HT20)                | CH165   | 2.57             | 30.00              | Pass    |
| 11n (HT40)                | CH142   | -0.31            | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -0.14            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | 1.08             | 30.00              | Pass    |
| 11ac (VHT20)              | CH144   | 2.87             | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | 2.10             | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | 3.10             | 30.00              | Pass    |
| 11ac (VHT20)              | CH165   | 2.12             | 30.00              | Pass    |
| 11ac (VHT40)              | CH142   | -0.46            | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -0.69            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | 0.58             | 30.00              | Pass    |
| 11ac (VHT80)              | CH138   | -4.63            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -3.72            | 30.00              | Pass    |

## A.5 Conducted Emissions

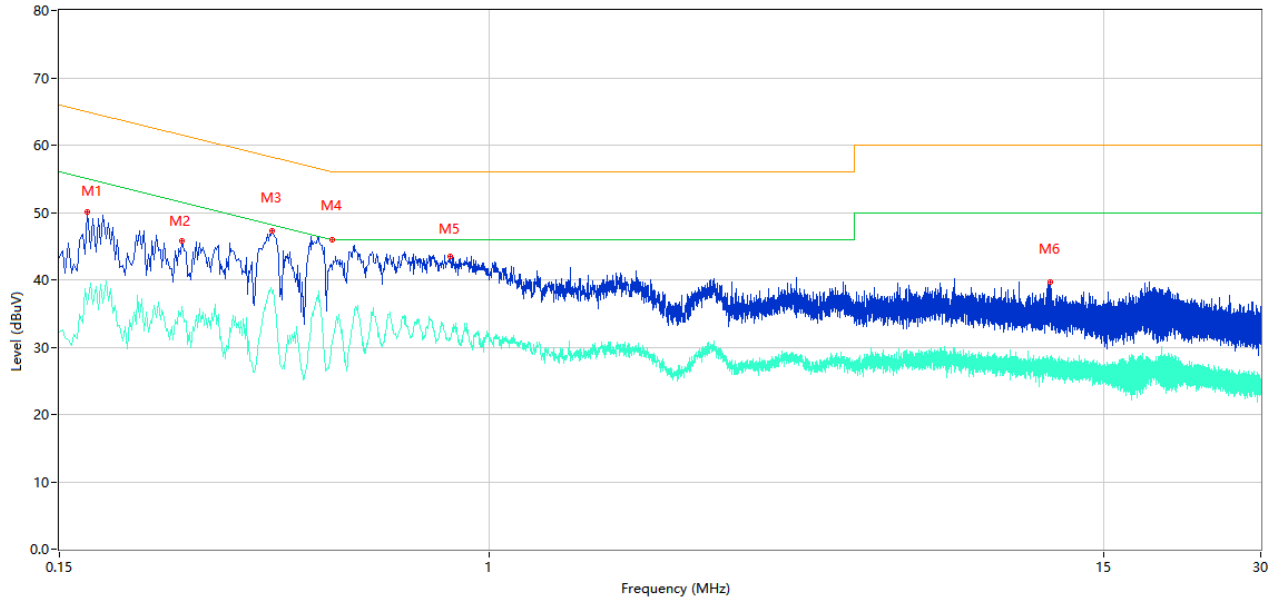
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

### Test Data and Plots

#### PHASE L

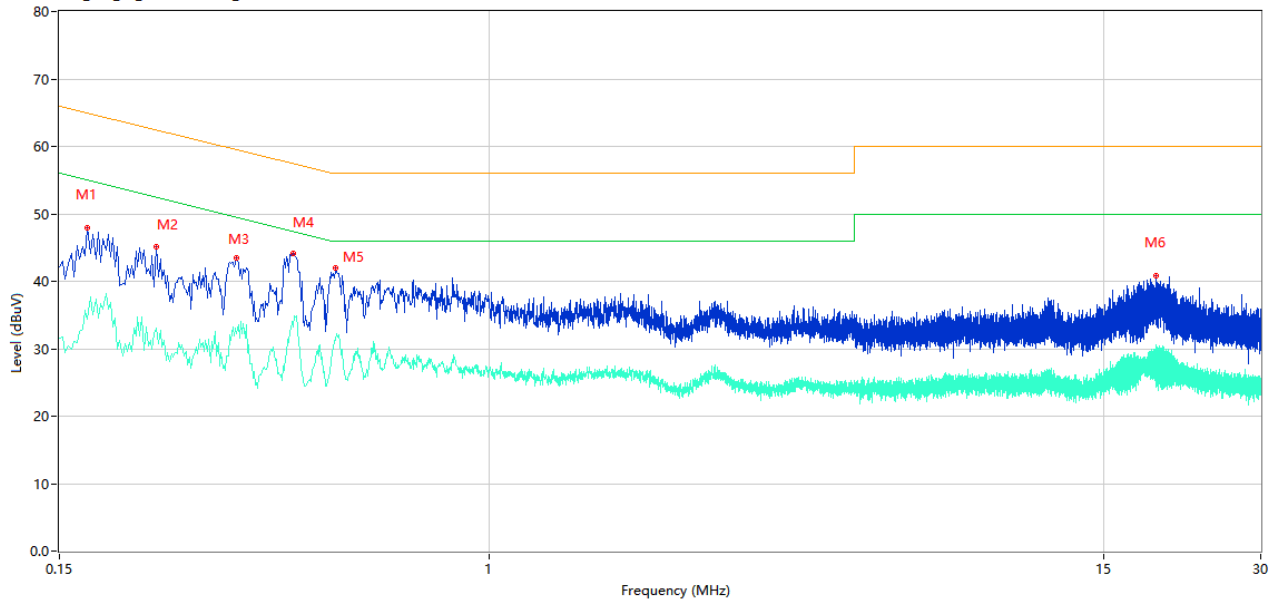
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1   | 0.170           | 50.04          | 10.40       | 64.96        | -14.92          | Peak     | L    | Pass    |
| 1** | 0.170           | 36.32          | 10.40       | 54.96        | -18.64          | AV       | L    | Pass    |
| 2   | 0.258           | 45.72          | 10.34       | 61.50        | -15.78          | Peak     | L    | Pass    |
| 2** | 0.258           | 36.09          | 10.34       | 51.50        | -15.41          | AV       | L    | Pass    |
| 3   | 0.384           | 47.28          | 10.30       | 58.19        | -10.91          | Peak     | L    | Pass    |
| 3** | 0.384           | 38.01          | 10.30       | 48.19        | -10.18          | AV       | L    | Pass    |
| 4   | 0.500           | 41.51          | 10.30       | 56.00        | -14.49          | Peak     | L    | Pass    |
| 4** | 0.500           | 30.59          | 10.30       | 46.00        | -15.41          | AV       | L    | Pass    |
| 5   | 0.840           | 43.49          | 10.25       | 56.00        | -12.51          | Peak     | L    | Pass    |
| 5** | 0.840           | 31.05          | 10.25       | 46.00        | -14.95          | AV       | L    | Pass    |
| 6   | 11.840          | 39.63          | 10.38       | 60.00        | -20.37          | Peak     | L    | Pass    |
| 6** | 11.840          | 27.37          | 10.38       | 50.00        | -22.63          | 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   | 0.170           | 47.89          | 10.40       | 64.96        | -17.07          | Peak     | N    | Pass    |
| 1** | 0.170           | 34.31          | 10.40       | 54.96        | -20.65          | AV       | N    | Pass    |
| 2   | 0.230           | 45.20          | 10.36       | 62.45        | -17.25          | Peak     | N    | Pass    |
| 2** | 0.230           | 33.09          | 10.36       | 52.45        | -19.36          | AV       | N    | Pass    |
| 3   | 0.328           | 43.47          | 10.33       | 59.50        | -16.03          | Peak     | N    | Pass    |
| 3** | 0.328           | 32.18          | 10.33       | 49.50        | -17.32          | AV       | N    | Pass    |
| 4   | 0.420           | 44.11          | 10.31       | 57.45        | -13.34          | Peak     | N    | Pass    |
| 4** | 0.420           | 33.23          | 10.31       | 47.45        | -14.22          | AV       | N    | Pass    |
| 5   | 0.508           | 42.00          | 10.30       | 56.00        | -14.00          | Peak     | N    | Pass    |
| 5** | 0.508           | 31.28          | 10.30       | 46.00        | -14.72          | AV       | N    | Pass    |
| 6   | 18.878          | 40.84          | 10.52       | 60.00        | -19.16          | Peak     | N    | Pass    |
| 6** | 18.878          | 26.55          | 10.52       | 50.00        | -23.45          | AV       | N    | Pass    |

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

### Test Data

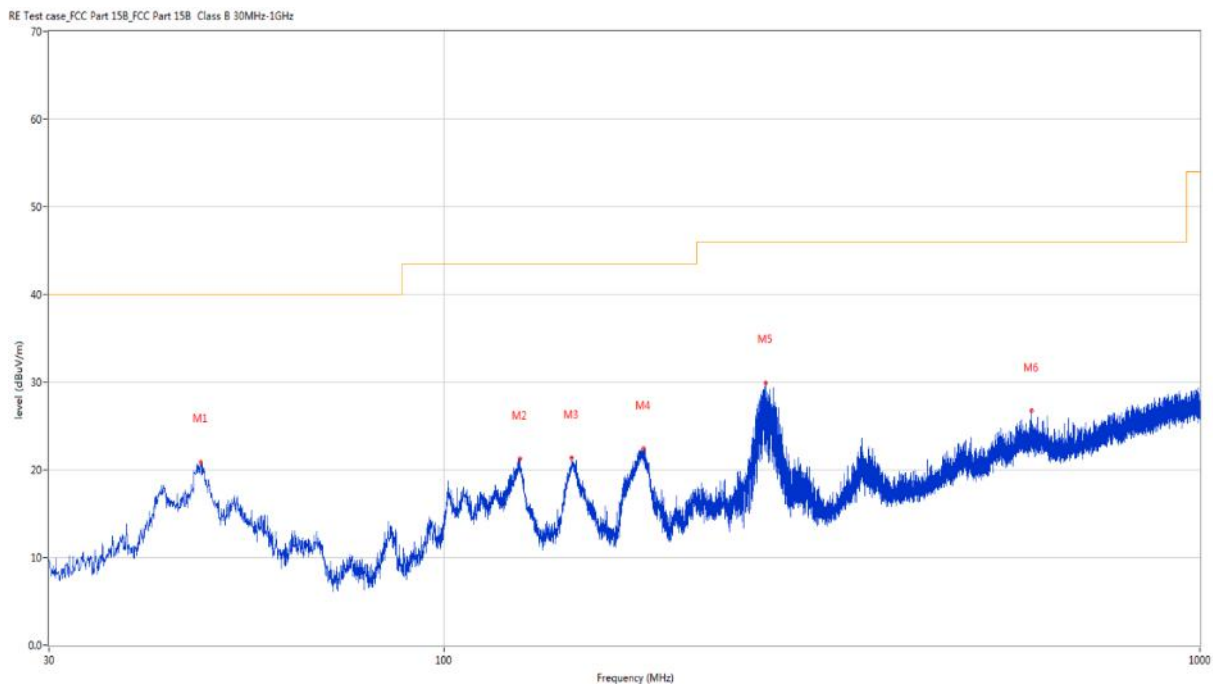
Note<sup>1</sup>: The symbol of “--” in the table which means not application.

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.

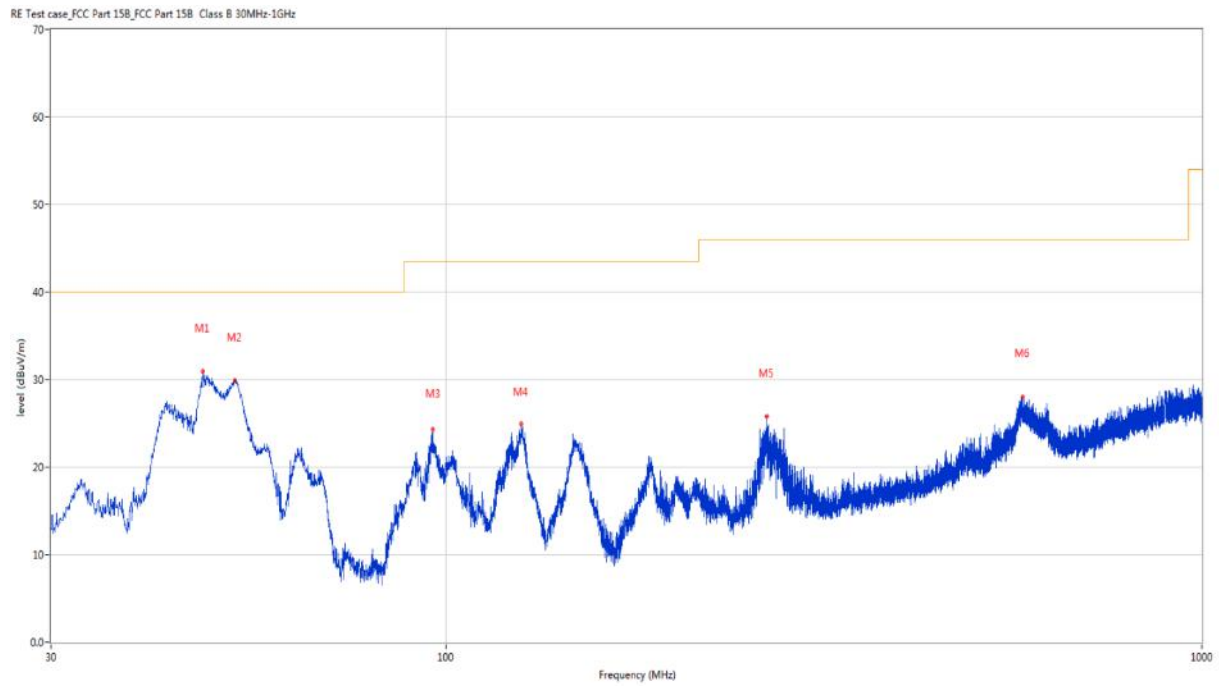
Note<sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz.

### 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   | 47.605          | 20.89            | -22.74      | 40.0           | -19.11          | Peak     | 111.70         | 200         | Horizontal | Pass    |
| 2   | 125.884         | 21.24            | -26.58      | 43.5           | -22.26          | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 3   | 147.516         | 21.33            | -27.79      | 43.5           | -22.17          | Peak     | 346.90         | 200         | Horizontal | Pass    |
| 4   | 183.648         | 22.42            | -25.30      | 43.5           | -21.08          | Peak     | 115.90         | 200         | Horizontal | Pass    |
| 5   | 266.438         | 29.89            | -22.28      | 46.0           | -16.11          | Peak     | 270.50         | 100         | Horizontal | Pass    |
| 6   | 599.536         | 26.74            | -14.56      | 46.0           | -19.26          | Peak     | 65.60          | 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   | 47.605          | 30.91            | -22.74      | 40.0           | -9.09           | Peak     | 188.50         | 100         | Vertical | Pass    |
| 2   | 52.553          | 29.92            | -23.08      | 40.0           | -10.08          | Peak     | 209.20         | 100         | Vertical | Pass    |
| 3   | 95.960          | 24.34            | -24.73      | 43.5           | -19.16          | Peak     | 264.90         | 100         | Vertical | Pass    |
| 4   | 125.690         | 24.90            | -26.52      | 43.5           | -18.60          | Peak     | 264.90         | 100         | Vertical | Pass    |
| 5   | 265.419         | 25.75            | -22.17      | 46.0           | -20.25          | Peak     | 185.40         | 200         | Vertical | Pass    |
| 6   | 579.505         | 27.99            | -14.85      | 46.0           | -18.01          | Peak     | 356.60         | 100         | Vertical | Pass    |

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

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1185.500        | 37.30            | -18.26      | 74.0           | -36.70          | Peak     | 305.00         | 150         | Horizontal | Pass    |
| 1** | 1185.500        | 27.91            | -18.26      | 54.0           | -26.09          | AV       | 305.00         | 150         | Horizontal | Pass    |
| 2   | 1563.400        | 38.00            | -17.65      | 74.0           | -36.00          | Peak     | 62.00          | 150         | Horizontal | Pass    |
| 2** | 1563.400        | 27.93            | -17.65      | 54.0           | -26.07          | AV       | 62.00          | 150         | Horizontal | Pass    |
| 3   | 3881.200        | 47.72            | -6.57       | 74.0           | -26.28          | Peak     | 212.00         | 150         | Horizontal | Pass    |
| 3** | 3881.200        | 37.50            | -6.57       | 54.0           | -16.50          | AV       | 212.00         | 150         | Horizontal | Pass    |
| 4   | 5181.600        | 108.60           | -3.20       | --             | -199.40         | Peak     | 308.00         | 150         | Horizontal | N/A     |
| 4** | 5181.600        | 100.49           | -3.20       | --             | 100.49          | AV       | 308.00         | 150         | Horizontal | N/A     |
| 5   | 7530.150        | 47.01            | -1.65       | 74.0           | -26.99          | Peak     | 109.00         | 150         | Horizontal | Pass    |
| 5** | 7530.150        | 38.53            | -1.65       | 54.0           | -15.47          | AV       | 109.00         | 150         | Horizontal | Pass    |
| 6   | 12250.613       | 50.55            | 2.66        | 74.0           | -23.45          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 12250.613       | 41.73            | 2.66        | 54.0           | -12.27          | 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   | 1066.400        | 38.59            | -18.66      | 74.0           | -35.41          | Peak     | 236.00         | 150         | Vertical | Pass    |
| 1** | 1066.400        | 32.94            | -18.66      | 54.0           | -21.06          | AV       | 236.00         | 150         | Vertical | Pass    |
| 2   | 1332.400        | 40.79            | -17.74      | 74.0           | -33.21          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1332.400        | 30.60            | -17.74      | 54.0           | -23.40          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4137.600        | 47.99            | -5.53       | 74.0           | -26.01          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 3** | 4137.600        | 38.09            | -5.53       | 54.0           | -15.91          | AV       | 7.00           | 150         | Vertical | Pass    |
| 4   | 5181.800        | 93.69            | -3.20       | --             | -110.31         | Peak     | 204.00         | 150         | Vertical | N/A     |
| 4** | 5181.800        | 86.04            | -3.20       | --             | 86.04           | AV       | 204.00         | 150         | Vertical | N/A     |
| 5   | 7552.575        | 47.90            | -1.56       | 74.0           | -26.10          | Peak     | 358.00         | 150         | Vertical | Pass    |
| 5** | 7552.575        | 39.55            | -1.56       | 54.0           | -14.45          | AV       | 358.00         | 150         | Vertical | Pass    |
| 6   | 11622.425       | 51.49            | 2.25        | 74.0           | -22.51          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 11622.425       | 41.05            | 2.25        | 54.0           | -12.95          | AV       | 360.00         | 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   | 1066.900        | 37.39            | -18.68      | 74.0           | -36.61          | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 1** | 1066.900        | 27.17            | -18.68      | 54.0           | -26.83          | AV       | 275.00         | 150         | Horizontal | Pass    |
| 2   | 1534.100        | 37.46            | -17.81      | 74.0           | -36.54          | Peak     | 38.00          | 150         | Horizontal | Pass    |
| 2** | 1534.100        | 28.06            | -17.81      | 54.0           | -25.94          | AV       | 38.00          | 150         | Horizontal | Pass    |
| 3   | 4209.800        | 48.34            | -5.03       | 74.0           | -25.66          | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 3** | 4209.800        | 38.80            | -5.03       | 54.0           | -15.20          | AV       | 61.00          | 150         | Horizontal | Pass    |
| 4   | 5217.600        | 108.35           | -3.43       | --             | -197.65         | Peak     | 306.00         | 150         | Horizontal | N/A     |
| 4** | 5217.600        | 99.56            | -3.43       | --             | 99.56           | AV       | 306.00         | 150         | Horizontal | N/A     |
| 5   | 7522.675        | 47.38            | -1.61       | 74.0           | -26.62          | Peak     | 115.00         | 150         | Horizontal | Pass    |
| 5** | 7522.675        | 38.49            | -1.61       | 54.0           | -15.51          | AV       | 115.00         | 150         | Horizontal | Pass    |
| 6   | 12222.725       | 51.04            | 2.60        | 74.0           | -22.96          | Peak     | 161.00         | 150         | Horizontal | Pass    |
| 6** | 12222.725       | 41.38            | 2.60        | 54.0           | -12.62          | AV       | 161.00         | 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   | 1063.700        | 39.85            | -18.61      | 74.0           | -34.15          | Peak     | 323.00         | 150         | Vertical | Pass    |
| 1** | 1063.700        | 31.45            | -18.61      | 54.0           | -22.55          | AV       | 323.00         | 150         | Vertical | Pass    |
| 2   | 1330.800        | 39.96            | -17.71      | 74.0           | -34.04          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1330.800        | 28.79            | -17.71      | 54.0           | -25.21          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3965.000        | 47.53            | -5.27       | 74.0           | -26.47          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 3** | 3965.000        | 37.90            | -5.27       | 54.0           | -16.10          | AV       | 194.00         | 150         | Vertical | Pass    |
| 4   | 5218.800        | 94.05            | -3.47       | --             | 16.05           | Peak     | 78.00          | 150         | Vertical | N/A     |
| 4** | 5218.800        | 87.07            | -3.47       | --             | 87.07           | AV       | 78.00          | 150         | Vertical | N/A     |
| 5   | 7526.413        | 47.34            | -1.60       | 74.0           | -26.66          | Peak     | 166.00         | 150         | Vertical | Pass    |
| 5** | 7526.413        | 38.00            | -1.60       | 54.0           | -16.00          | AV       | 166.00         | 150         | Vertical | Pass    |
| 6   | 12236.237       | 51.00            | 2.63        | 74.0           | -23.00          | Peak     | 213.00         | 150         | Vertical | Pass    |
| 6** | 12236.237       | 41.45            | 2.63        | 54.0           | -12.55          | AV       | 213.00         | 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   | 1130.700        | 37.16            | -18.34      | 74.0           | -36.84          | Peak     | 102.00         | 150         | Horizontal | Pass    |
| 1** | 1130.700        | 27.51            | -18.34      | 54.0           | -26.49          | AV       | 102.00         | 150         | Horizontal | Pass    |
| 2   | 1540.600        | 38.07            | -17.75      | 74.0           | -35.93          | Peak     | 118.00         | 150         | Horizontal | Pass    |
| 2** | 1540.600        | 29.40            | -17.75      | 54.0           | -24.60          | AV       | 118.00         | 150         | Horizontal | Pass    |
| 3   | 4330.800        | 48.20            | -4.79       | 74.0           | -25.80          | Peak     | 304.00         | 150         | Horizontal | Pass    |
| 3** | 4330.800        | 38.55            | -4.79       | 54.0           | -15.45          | AV       | 304.00         | 150         | Horizontal | Pass    |
| 4   | 5236.400        | 106.70           | -3.68       | --             | -211.30         | Peak     | 318.00         | 150         | Horizontal | N/A     |
| 4** | 5236.400        | 98.29            | -3.68       | --             | 98.29           | AV       | 318.00         | 150         | Horizontal | N/A     |
| 5   | 7547.687        | 47.38            | -1.58       | 74.0           | -26.62          | Peak     | 315.00         | 150         | Horizontal | Pass    |
| 5** | 7547.687        | 38.85            | -1.58       | 54.0           | -15.15          | AV       | 315.00         | 150         | Horizontal | Pass    |
| 6   | 11673.312       | 51.05            | 2.46        | 74.0           | -22.95          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 6** | 11673.312       | 40.52            | 2.46        | 54.0           | -13.48          | AV       | 285.00         | 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   | 1065.600        | 38.48            | -18.62      | 74.0           | -35.52          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 1** | 1065.600        | 27.13            | -18.62      | 54.0           | -26.87          | AV       | 204.00         | 150         | Vertical | Pass    |
| 2   | 1328.300        | 40.39            | -17.65      | 74.0           | -33.61          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1328.300        | 29.05            | -17.65      | 54.0           | -24.95          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4191.000        | 48.30            | -5.29       | 74.0           | -25.70          | Peak     | 268.00         | 150         | Vertical | Pass    |
| 3** | 4191.000        | 38.74            | -5.29       | 54.0           | -15.26          | AV       | 268.00         | 150         | Vertical | Pass    |
| 4   | 5244.200        | 95.29            | -3.73       | --             | 10.29           | Peak     | 85.00          | 150         | Vertical | N/A     |
| 4** | 5244.200        | 86.58            | -3.73       | --             | 86.58           | AV       | 85.00          | 150         | Vertical | N/A     |
| 5   | 7534.175        | 47.11            | -1.73       | 74.0           | -26.89          | Peak     | 321.00         | 150         | Vertical | Pass    |
| 5** | 7534.175        | 37.77            | -1.73       | 54.0           | -16.23          | AV       | 321.00         | 150         | Vertical | Pass    |
| 6   | 12145.963       | 51.04            | 1.84        | 74.0           | -22.96          | Peak     | 336.00         | 150         | Vertical | Pass    |
| 6** | 12145.963       | 41.10            | 1.84        | 54.0           | -12.90          | AV       | 336.00         | 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   | 1172.700        | 37.74            | -18.44      | 74.0           | -36.26          | Peak     | 317.00         | 150         | Horizontal | Pass    |
| 1** | 1172.700        | 27.66            | -18.44      | 54.0           | -26.34          | AV       | 317.00         | 150         | Horizontal | Pass    |
| 2   | 1516.100        | 38.03            | -17.76      | 74.0           | -35.97          | Peak     | 284.00         | 150         | Horizontal | Pass    |
| 2** | 1516.100        | 28.69            | -17.76      | 54.0           | -25.31          | AV       | 284.00         | 150         | Horizontal | Pass    |
| 3   | 4188.600        | 48.26            | -5.22       | 74.0           | -25.74          | Peak     | 144.00         | 150         | Horizontal | Pass    |
| 3** | 4188.600        | 38.86            | -5.22       | 54.0           | -15.14          | AV       | 144.00         | 150         | Horizontal | Pass    |
| 4   | 5178.800        | 108.55           | -3.14       | --             | -191.45         | Peak     | 300.00         | 150         | Horizontal | N/A     |
| 4** | 5178.800        | 100.99           | -3.14       | --             | 100.99          | AV       | 300.00         | 150         | Horizontal | N/A     |
| 5   | 7518.938        | 47.51            | -1.68       | 74.0           | -26.49          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 5** | 7518.938        | 38.57            | -1.68       | 54.0           | -15.43          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 6   | 12211.800       | 51.54            | 2.58        | 74.0           | -22.46          | Peak     | 183.00         | 150         | Horizontal | Pass    |
| 6** | 12211.800       | 41.13            | 2.58        | 54.0           | -12.87          | AV       | 183.00         | 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   | 1063.500        | 40.00            | -18.62      | 74.0           | -34.00          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 1** | 1063.500        | 30.76            | -18.62      | 54.0           | -23.24          | AV       | 219.00         | 150         | Vertical | Pass    |
| 2   | 1331.500        | 40.95            | -17.73      | 74.0           | -33.05          | Peak     | 12.00          | 150         | Vertical | Pass    |
| 2** | 1331.500        | 33.06            | -17.73      | 54.0           | -20.94          | AV       | 12.00          | 150         | Vertical | Pass    |
| 3   | 4248.000        | 48.74            | -4.77       | 74.0           | -25.26          | Peak     | 64.00          | 150         | Vertical | Pass    |
| 3** | 4248.000        | 38.74            | -4.77       | 54.0           | -15.26          | AV       | 64.00          | 150         | Vertical | Pass    |
| 4   | 5179.000        | 94.21            | -3.15       | --             | 12.21           | Peak     | 82.00          | 150         | Vertical | N/A     |
| 4** | 5179.000        | 86.61            | -3.15       | --             | 86.61           | AV       | 82.00          | 150         | Vertical | N/A     |
| 5   | 7557.175        | 47.90            | -1.66       | 74.0           | -26.10          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 5** | 7557.175        | 38.36            | -1.66       | 54.0           | -15.64          | AV       | 344.00         | 150         | Vertical | Pass    |
| 6   | 11702.062       | 50.38            | 2.27        | 74.0           | -23.62          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 6** | 11702.062       | 41.14            | 2.27        | 54.0           | -12.86          | AV       | 344.00         | 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   | 1106.800        | 36.38            | -18.38      | 74.0           | -37.62          | Peak     | 319.00         | 150         | Horizontal | Pass    |
| 1** | 1106.800        | 27.75            | -18.38      | 54.0           | -26.25          | AV       | 319.00         | 150         | Horizontal | Pass    |
| 2   | 1536.600        | 37.95            | -17.65      | 74.0           | -36.05          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 2** | 1536.600        | 29.06            | -17.65      | 54.0           | -24.94          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 3   | 4195.600        | 47.70            | -5.28       | 74.0           | -26.30          | Peak     | 297.00         | 150         | Horizontal | Pass    |
| 3** | 4195.600        | 38.13            | -5.28       | 54.0           | -15.87          | AV       | 297.00         | 150         | Horizontal | Pass    |
| 4   | 5218.000        | 107.77           | -3.45       | --             | -206.23         | Peak     | 314.00         | 150         | Horizontal | N/A     |
| 4** | 5218.000        | 100.55           | -3.45       | --             | 100.55          | AV       | 314.00         | 150         | Horizontal | N/A     |
| 5   | 7475.812        | 47.99            | -1.95       | 74.0           | -26.01          | Peak     | 237.00         | 150         | Horizontal | Pass    |
| 5** | 7475.812        | 37.96            | -1.95       | 54.0           | -16.04          | AV       | 237.00         | 150         | Horizontal | Pass    |
| 6   | 11979.500       | 51.10            | 0.95        | 74.0           | -22.90          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 6** | 11979.500       | 40.52            | 0.95        | 54.0           | -13.48          | AV       | 50.00          | 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   | 1066.800        | 38.52            | -18.67      | 74.0           | -35.48          | Peak     | 242.00         | 150         | Vertical | Pass    |
| 1** | 1066.800        | 30.44            | -18.67      | 54.0           | -23.56          | AV       | 242.00         | 150         | Vertical | Pass    |
| 2   | 1328.600        | 40.38            | -17.66      | 74.0           | -33.62          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1328.600        | 32.50            | -17.66      | 54.0           | -21.50          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4264.800        | 49.49            | -4.80       | 74.0           | -24.51          | Peak     | 296.00         | 150         | Vertical | Pass    |
| 3** | 4264.800        | 38.95            | -4.80       | 54.0           | -15.05          | AV       | 296.00         | 150         | Vertical | Pass    |
| 4   | 5218.400        | 95.88            | -3.46       | --             | 54.88           | Peak     | 41.00          | 150         | Vertical | N/A     |
| 4** | 5218.400        | 88.97            | -3.46       | --             | 88.97           | AV       | 41.00          | 150         | Vertical | N/A     |
| 5   | 7515.775        | 47.08            | -1.67       | 74.0           | -26.92          | Peak     | 13.00          | 150         | Vertical | Pass    |
| 5** | 7515.775        | 38.34            | -1.67       | 54.0           | -15.66          | AV       | 13.00          | 150         | Vertical | Pass    |
| 6   | 12218.988       | 50.93            | 2.60        | 74.0           | -23.07          | Peak     | 132.00         | 150         | Vertical | Pass    |
| 6** | 12218.988       | 41.90            | 2.60        | 54.0           | -12.10          | AV       | 132.00         | 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   | 1177.700        | 37.48            | -18.45      | 74.0           | -36.52          | Peak     | 217.00         | 150         | Horizontal | Pass    |
| 1** | 1177.700        | 27.87            | -18.45      | 54.0           | -26.13          | AV       | 217.00         | 150         | Horizontal | Pass    |
| 2   | 1549.200        | 38.27            | -17.70      | 74.0           | -35.73          | Peak     | 251.00         | 150         | Horizontal | Pass    |
| 2** | 1549.200        | 28.44            | -17.70      | 54.0           | -25.56          | AV       | 251.00         | 150         | Horizontal | Pass    |
| 3   | 4182.800        | 47.72            | -5.04       | 74.0           | -26.28          | Peak     | 347.00         | 150         | Horizontal | Pass    |
| 3** | 4182.800        | 38.15            | -5.04       | 54.0           | -15.85          | AV       | 347.00         | 150         | Horizontal | Pass    |
| 4   | 5241.200        | 107.06           | -3.70       | --             | -204.94         | Peak     | 312.00         | 150         | Horizontal | N/A     |
| 4** | 5241.200        | 99.48            | -3.70       | --             | 99.48           | AV       | 312.00         | 150         | Horizontal | N/A     |
| 5   | 7556.600        | 47.82            | -1.66       | 74.0           | -26.18          | Peak     | 311.00         | 150         | Horizontal | Pass    |
| 5** | 7556.600        | 38.92            | -1.66       | 54.0           | -15.08          | AV       | 311.00         | 150         | Horizontal | Pass    |
| 6   | 12224.451       | 51.01            | 2.61        | 74.0           | -22.99          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 12224.451       | 41.71            | 2.61        | 54.0           | -12.29          | 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   | 1065.500        | 38.64            | -18.61      | 74.0           | -35.36          | Peak     | 191.00         | 150         | Vertical | Pass    |
| 1** | 1065.500        | 27.25            | -18.61      | 54.0           | -26.75          | AV       | 191.00         | 150         | Vertical | Pass    |
| 2   | 1328.100        | 39.98            | -17.65      | 74.0           | -34.02          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1328.100        | 34.42            | -17.65      | 54.0           | -19.58          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3957.600        | 47.64            | -5.77       | 74.0           | -26.36          | Peak     | 258.00         | 150         | Vertical | Pass    |
| 3** | 3957.600        | 37.35            | -5.77       | 54.0           | -16.65          | AV       | 258.00         | 150         | Vertical | Pass    |
| 4   | 5242.000        | 96.84            | -3.71       | --             | 5.84            | Peak     | 91.00          | 150         | Vertical | N/A     |
| 4** | 5242.000        | 88.31            | -3.71       | --             | 88.31           | AV       | 91.00          | 150         | Vertical | N/A     |
| 5   | 7490.475        | 47.20            | -1.81       | 74.0           | -26.80          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 5** | 7490.475        | 38.82            | -1.81       | 54.0           | -15.18          | AV       | 221.00         | 150         | Vertical | Pass    |
| 6   | 12272.463       | 50.71            | 2.47        | 74.0           | -23.29          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 6** | 12272.463       | 42.00            | 2.47        | 54.0           | -12.00          | AV       | 204.00         | 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   | 1183.500        | 37.34            | -18.28      | 74.0           | -36.66          | Peak     | 221.00         | 150         | Horizontal | Pass    |
| 1** | 1183.500        | 28.31            | -18.28      | 54.0           | -25.69          | AV       | 221.00         | 150         | Horizontal | Pass    |
| 2   | 1550.400        | 38.26            | -17.67      | 74.0           | -35.74          | Peak     | 334.00         | 150         | Horizontal | Pass    |
| 2** | 1550.400        | 28.78            | -17.67      | 54.0           | -25.22          | AV       | 334.00         | 150         | Horizontal | Pass    |
| 3   | 4020.600        | 48.34            | -5.76       | 74.0           | -25.66          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 3** | 4020.600        | 38.23            | -5.76       | 54.0           | -15.77          | AV       | 131.00         | 150         | Horizontal | Pass    |
| 4   | 5194.000        | 104.20           | -3.30       | --             | -213.80         | Peak     | 318.00         | 150         | Horizontal | N/A     |
| 4** | 5194.000        | 96.99            | -3.30       | --             | 96.99           | AV       | 318.00         | 150         | Horizontal | N/A     |
| 5   | 7554.300        | 48.10            | -1.56       | 74.0           | -25.90          | Peak     | 18.00          | 150         | Horizontal | Pass    |
| 5** | 7554.300        | 38.89            | -1.56       | 54.0           | -15.11          | AV       | 18.00          | 150         | Horizontal | Pass    |
| 6   | 12213.812       | 51.06            | 2.59        | 74.0           | -22.94          | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 6** | 12213.812       | 42.01            | 2.59        | 54.0           | -11.99          | AV       | 196.00         | 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   | 1066.100        | 39.15            | -18.64      | 74.0           | -34.85          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 1** | 1066.100        | 28.10            | -18.64      | 54.0           | -25.90          | AV       | 219.00         | 150         | Vertical | Pass    |
| 2   | 1331.500        | 40.04            | -17.73      | 74.0           | -33.96          | Peak     | 5.00           | 150         | Vertical | Pass    |
| 2** | 1331.500        | 29.64            | -17.73      | 54.0           | -24.36          | AV       | 5.00           | 150         | Vertical | Pass    |
| 3   | 4180.800        | 49.26            | -5.01       | 74.0           | -24.74          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 3** | 4180.800        | 38.56            | -5.01       | 54.0           | -15.44          | AV       | 221.00         | 150         | Vertical | Pass    |
| 4   | 5193.400        | 90.24            | -3.30       | --             | 1.24            | Peak     | 89.00          | 150         | Vertical | N/A     |
| 4** | 5193.400        | 83.22            | -3.30       | --             | 83.22           | AV       | 89.00          | 150         | Vertical | N/A     |
| 5   | 7558.900        | 48.09            | -1.69       | 74.0           | -25.91          | Peak     | 193.00         | 150         | Vertical | Pass    |
| 5** | 7558.900        | 38.32            | -1.69       | 54.0           | -15.68          | AV       | 193.00         | 150         | Vertical | Pass    |
| 6   | 12055.687       | 50.35            | 1.19        | 74.0           | -23.65          | Peak     | 193.00         | 150         | Vertical | Pass    |
| 6** | 12055.687       | 40.92            | 1.19        | 54.0           | -13.08          | AV       | 193.00         | 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   | 1131.100        | 37.57            | -18.34      | 74.0           | -36.43          | Peak     | 312.00         | 150         | Horizontal | Pass    |
| 1** | 1131.100        | 27.35            | -18.34      | 54.0           | -26.65          | AV       | 312.00         | 150         | Horizontal | Pass    |
| 2   | 1540.300        | 37.77            | -17.75      | 74.0           | -36.23          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 2** | 1540.300        | 28.46            | -17.75      | 54.0           | -25.54          | AV       | 20.00          | 150         | Horizontal | Pass    |
| 3   | 4182.200        | 48.10            | -5.03       | 74.0           | -25.90          | Peak     | 245.00         | 150         | Horizontal | Pass    |
| 3** | 4182.200        | 38.85            | -5.03       | 54.0           | -15.15          | AV       | 245.00         | 150         | Horizontal | Pass    |
| 4   | 5232.200        | 104.30           | -3.60       | --             | -209.70         | Peak     | 314.00         | 150         | Horizontal | N/A     |
| 4** | 5232.200        | 96.48            | -3.60       | --             | 96.48           | AV       | 314.00         | 150         | Horizontal | N/A     |
| 5   | 7453.388        | 47.93            | -2.28       | 74.0           | -26.07          | Peak     | 290.00         | 150         | Horizontal | Pass    |
| 5** | 7453.388        | 37.14            | -2.28       | 54.0           | -16.86          | AV       | 290.00         | 150         | Horizontal | Pass    |
| 6   | 12268.438       | 51.37            | 2.51        | 74.0           | -22.63          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 6** | 12268.438       | 41.28            | 2.51        | 54.0           | -12.72          | AV       | 79.00          | 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   | 1063.800        | 39.72            | -18.61      | 74.0           | -34.28          | Peak     | 222.00         | 150         | Vertical | Pass    |
| 1** | 1063.800        | 33.18            | -18.61      | 54.0           | -20.82          | AV       | 222.00         | 150         | Vertical | Pass    |
| 2   | 1332.800        | 40.54            | -17.75      | 74.0           | -33.46          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1332.800        | 31.93            | -17.75      | 54.0           | -22.07          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4023.600        | 47.70            | -5.60       | 74.0           | -26.30          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 3** | 4023.600        | 37.81            | -5.60       | 54.0           | -16.19          | AV       | 289.00         | 150         | Vertical | Pass    |
| 4   | 5226.600        | 91.55            | -3.49       | --             | 51.55           | Peak     | 40.00          | 150         | Vertical | N/A     |
| 4** | 5226.600        | 83.80            | -3.49       | --             | 83.80           | AV       | 40.00          | 150         | Vertical | N/A     |
| 5   | 7525.837        | 47.79            | -1.60       | 74.0           | -26.21          | Peak     | 254.00         | 150         | Vertical | Pass    |
| 5** | 7525.837        | 38.16            | -1.60       | 54.0           | -15.84          | AV       | 254.00         | 150         | Vertical | Pass    |
| 6   | 12346.925       | 51.82            | 2.06        | 74.0           | -22.18          | Peak     | 254.00         | 150         | Vertical | Pass    |
| 6** | 12346.925       | 40.95            | 2.06        | 54.0           | -13.05          | AV       | 254.00         | 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   | 1065.000        | 37.14            | -18.59      | 74.0           | -36.86          | Peak     | 271.00         | 150         | Horizontal | Pass    |
| 1** | 1065.000        | 27.31            | -18.59      | 54.0           | -26.69          | AV       | 271.00         | 150         | Horizontal | Pass    |
| 2   | 1511.700        | 38.63            | -17.80      | 74.0           | -35.37          | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 2** | 1511.700        | 28.24            | -17.80      | 54.0           | -25.76          | AV       | 31.00          | 150         | Horizontal | Pass    |
| 3   | 4314.000        | 48.95            | -5.03       | 74.0           | -25.05          | Peak     | 324.00         | 150         | Horizontal | Pass    |
| 3** | 4314.000        | 38.03            | -5.03       | 54.0           | -15.97          | AV       | 324.00         | 150         | Horizontal | Pass    |
| 4   | 5178.600        | 108.95           | -3.14       | --             | -206.05         | Peak     | 315.00         | 150         | Horizontal | N/A     |
| 4** | 5178.600        | 101.08           | -3.14       | --             | 101.08          | AV       | 315.00         | 150         | Horizontal | N/A     |
| 5   | 7563.212        | 47.68            | -1.85       | 74.0           | -26.32          | Peak     | 27.00          | 150         | Horizontal | Pass    |
| 5** | 7563.212        | 38.08            | -1.85       | 54.0           | -15.92          | AV       | 27.00          | 150         | Horizontal | Pass    |
| 6   | 12381.712       | 50.80            | 1.87        | 74.0           | -23.20          | Peak     | 39.00          | 150         | Horizontal | Pass    |
| 6** | 12381.712       | 41.47            | 1.87        | 54.0           | -12.53          | AV       | 39.00          | 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   | 1062.000        | 38.07            | -18.64      | 74.0           | -35.93          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 1** | 1062.000        | 27.64            | -18.64      | 54.0           | -26.36          | AV       | 219.00         | 150         | Vertical | Pass    |
| 2   | 1328.400        | 40.44            | -17.66      | 74.0           | -33.56          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1328.400        | 30.68            | -17.66      | 54.0           | -23.32          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3962.200        | 47.66            | -5.42       | 74.0           | -26.34          | Peak     | 327.00         | 150         | Vertical | Pass    |
| 3** | 3962.200        | 38.97            | -5.42       | 54.0           | -15.03          | AV       | 327.00         | 150         | Vertical | Pass    |
| 4   | 5178.800        | 94.15            | -3.14       | --             | 4.15            | Peak     | 90.00          | 150         | Vertical | N/A     |
| 4** | 5178.800        | 86.86            | -3.14       | --             | 86.86           | AV       | 90.00          | 150         | Vertical | N/A     |
| 5   | 7555.163        | 47.40            | -1.60       | 74.0           | -26.60          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 5** | 7555.163        | 39.50            | -1.60       | 54.0           | -14.50          | AV       | 38.00          | 150         | Vertical | Pass    |
| 6   | 11687.687       | 50.38            | 2.40        | 74.0           | -23.62          | Peak     | 198.00         | 150         | Vertical | Pass    |
| 6** | 11687.687       | 40.50            | 2.40        | 54.0           | -13.50          | AV       | 198.00         | 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   | 1103.400        | 36.69            | -18.47      | 74.0           | -37.31          | Peak     | 167.00         | 150         | Horizontal | Pass    |
| 1** | 1103.400        | 26.65            | -18.47      | 54.0           | -27.35          | AV       | 167.00         | 150         | Horizontal | Pass    |
| 2   | 1588.500        | 38.36            | -17.66      | 74.0           | -35.64          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 2** | 1588.500        | 28.56            | -17.66      | 54.0           | -25.44          | AV       | 76.00          | 150         | Horizontal | Pass    |
| 3   | 4091.200        | 47.96            | -5.06       | 74.0           | -26.04          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 3** | 4091.200        | 38.31            | -5.06       | 54.0           | -15.69          | AV       | 267.00         | 150         | Horizontal | Pass    |
| 4   | 5222.000        | 107.35           | -3.44       | --             | -206.65         | Peak     | 314.00         | 150         | Horizontal | N/A     |
| 4** | 5222.000        | 99.75            | -3.44       | --             | 99.75           | AV       | 314.00         | 150         | Horizontal | N/A     |
| 5   | 7543.088        | 47.56            | -1.63       | 74.0           | -26.44          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7543.088        | 38.72            | -1.63       | 54.0           | -15.28          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 12229.049       | 51.09            | 2.62        | 74.0           | -22.91          | Peak     | 151.00         | 150         | Horizontal | Pass    |
| 6** | 12229.049       | 41.48            | 2.62        | 54.0           | -12.52          | AV       | 151.00         | 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   | 1064.100        | 39.75            | -18.60      | 74.0           | -34.25          | Peak     | 214.00         | 150         | Vertical | Pass    |
| 1** | 1064.100        | 27.51            | -18.60      | 54.0           | -26.49          | AV       | 214.00         | 150         | Vertical | Pass    |
| 2   | 1330.300        | 40.31            | -17.70      | 74.0           | -33.69          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1330.300        | 31.14            | -17.70      | 54.0           | -22.86          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4215.400        | 49.22            | -4.83       | 74.0           | -24.78          | Peak     | 136.00         | 150         | Vertical | Pass    |
| 3** | 4215.400        | 38.96            | -4.83       | 54.0           | -15.04          | AV       | 136.00         | 150         | Vertical | Pass    |
| 4   | 5217.000        | 94.83            | -3.41       | --             | 54.83           | Peak     | 40.00          | 150         | Vertical | N/A     |
| 4** | 5217.000        | 88.35            | -3.41       | --             | 88.35           | AV       | 40.00          | 150         | Vertical | N/A     |
| 5   | 7563.212        | 47.54            | -1.85       | 74.0           | -26.46          | Peak     | 174.00         | 150         | Vertical | Pass    |
| 5** | 7563.212        | 38.14            | -1.85       | 54.0           | -15.86          | AV       | 174.00         | 150         | Vertical | Pass    |
| 6   | 11899.862       | 50.52            | 0.61        | 74.0           | -23.48          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 6** | 11899.862       | 41.21            | 0.61        | 54.0           | -12.79          | AV       | 7.00           | 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   | 1133.200        | 36.42            | -18.32      | 74.0           | -37.58          | Peak     | 39.00          | 150         | Horizontal | Pass    |
| 1** | 1133.200        | 27.56            | -18.32      | 54.0           | -26.44          | AV       | 39.00          | 150         | Horizontal | Pass    |
| 2   | 1327.200        | 40.10            | -17.65      | 74.0           | -33.90          | Peak     | 235.00         | 150         | Horizontal | Pass    |
| 2** | 1327.200        | 28.44            | -17.65      | 54.0           | -25.56          | AV       | 235.00         | 150         | Horizontal | Pass    |
| 3   | 4086.200        | 47.85            | -5.00       | 74.0           | -26.15          | Peak     | 345.00         | 150         | Horizontal | Pass    |
| 3** | 4086.200        | 37.23            | -5.00       | 54.0           | -16.77          | AV       | 345.00         | 150         | Horizontal | Pass    |
| 4   | 5241.600        | 106.43           | -3.71       | --             | -209.57         | Peak     | 316.00         | 150         | Horizontal | N/A     |
| 4** | 5241.600        | 100.70           | -3.71       | --             | 100.70          | AV       | 316.00         | 150         | Horizontal | N/A     |
| 5   | 7488.750        | 47.36            | -1.84       | 74.0           | -26.64          | Peak     | 181.00         | 150         | Horizontal | Pass    |
| 5** | 7488.750        | 38.16            | -1.84       | 54.0           | -15.84          | AV       | 181.00         | 150         | Horizontal | Pass    |
| 6   | 12343.474       | 50.52            | 2.07        | 74.0           | -23.48          | Peak     | 150.00         | 150         | Horizontal | Pass    |
| 6** | 12343.474       | 40.81            | 2.07        | 54.0           | -13.19          | AV       | 150.00         | 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   | 1066.400        | 38.82            | -18.66      | 74.0           | -35.18          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 1** | 1066.400        | 30.41            | -18.66      | 54.0           | -23.59          | AV       | 227.00         | 150         | Vertical | Pass    |
| 2   | 1327.500        | 40.89            | -17.65      | 74.0           | -33.11          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1327.500        | 28.26            | -17.65      | 54.0           | -25.74          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3877.200        | 47.82            | -6.49       | 74.0           | -26.18          | Peak     | 354.00         | 150         | Vertical | Pass    |
| 3** | 3877.200        | 37.23            | -6.49       | 54.0           | -16.77          | AV       | 354.00         | 150         | Vertical | Pass    |
| 4   | 5241.800        | 95.33            | -3.71       | --             | 12.33           | Peak     | 83.00          | 150         | Vertical | N/A     |
| 4** | 5241.800        | 87.82            | -3.71       | --             | 87.82           | AV       | 83.00          | 150         | Vertical | N/A     |
| 5   | 7497.087        | 47.54            | -1.85       | 74.0           | -26.46          | Peak     | 191.00         | 150         | Vertical | Pass    |
| 5** | 7497.087        | 38.57            | -1.85       | 54.0           | -15.43          | AV       | 191.00         | 150         | Vertical | Pass    |
| 6   | 12222.725       | 51.38            | 2.60        | 74.0           | -22.62          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 6** | 12222.725       | 41.30            | 2.60        | 54.0           | -12.70          | AV       | 263.00         | 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   | 1197.400        | 37.55            | -18.19      | 74.0           | -36.45          | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 1** | 1197.400        | 27.24            | -18.19      | 54.0           | -26.76          | AV       | 88.00          | 150         | Horizontal | Pass    |
| 2   | 1525.800        | 38.50            | -17.75      | 74.0           | -35.50          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 1525.800        | 28.73            | -17.75      | 54.0           | -25.27          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 3764.200        | 47.67            | -6.44       | 74.0           | -26.33          | Peak     | 194.00         | 150         | Horizontal | Pass    |
| 3** | 3764.200        | 38.56            | -6.44       | 54.0           | -15.44          | AV       | 194.00         | 150         | Horizontal | Pass    |
| 4   | 5193.000        | 105.21           | -3.29       | --             | -185.79         | Peak     | 291.00         | 150         | Horizontal | N/A     |
| 4** | 5193.000        | 97.43            | -3.29       | --             | 97.43           | AV       | 291.00         | 150         | Horizontal | N/A     |
| 5   | 7546.250        | 47.52            | -1.58       | 74.0           | -26.48          | Peak     | 199.00         | 150         | Horizontal | Pass    |
| 5** | 7546.250        | 38.98            | -1.58       | 54.0           | -15.02          | AV       | 199.00         | 150         | Horizontal | Pass    |
| 6   | 11739.150       | 50.73            | 1.71        | 74.0           | -23.27          | Peak     | 277.00         | 150         | Horizontal | Pass    |
| 6** | 11739.150       | 41.20            | 1.71        | 54.0           | -12.80          | AV       | 277.00         | 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   | 1064.300        | 39.36            | -18.59      | 74.0           | -34.64          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 1** | 1064.300        | 31.00            | -18.59      | 54.0           | -23.00          | AV       | 218.00         | 150         | Vertical | Pass    |
| 2   | 1328.700        | 40.26            | -17.66      | 74.0           | -33.74          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1328.700        | 28.42            | -17.66      | 54.0           | -25.58          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4202.800        | 48.10            | -5.20       | 74.0           | -25.90          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 3** | 4202.800        | 38.66            | -5.20       | 54.0           | -15.34          | AV       | 108.00         | 150         | Vertical | Pass    |
| 4   | 5192.400        | 91.85            | -3.26       | --             | 13.85           | Peak     | 78.00          | 150         | Vertical | N/A     |
| 4** | 5192.400        | 84.77            | -3.26       | --             | 84.77           | AV       | 78.00          | 150         | Vertical | N/A     |
| 5   | 7541.650        | 48.08            | -1.64       | 74.0           | -25.92          | Peak     | 353.00         | 150         | Vertical | Pass    |
| 5** | 7541.650        | 38.73            | -1.64       | 54.0           | -15.27          | AV       | 353.00         | 150         | Vertical | Pass    |
| 6   | 11909.925       | 50.85            | 0.66        | 74.0           | -23.15          | Peak     | 167.00         | 150         | Vertical | Pass    |
| 6** | 11909.925       | 41.93            | 0.66        | 54.0           | -12.07          | AV       | 167.00         | 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   | 1140.000        | 36.30            | -18.36      | 74.0           | -37.70          | Peak     | 49.00          | 150         | Horizontal | Pass    |
| 1** | 1140.000        | 27.76            | -18.36      | 54.0           | -26.24          | AV       | 49.00          | 150         | Horizontal | Pass    |
| 2   | 1521.800        | 38.03            | -17.67      | 74.0           | -35.97          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 2** | 1521.800        | 28.22            | -17.67      | 54.0           | -25.78          | AV       | 20.00          | 150         | Horizontal | Pass    |
| 3   | 4201.800        | 47.73            | -5.22       | 74.0           | -26.27          | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 3** | 4201.800        | 38.14            | -5.22       | 54.0           | -15.86          | AV       | 196.00         | 150         | Horizontal | Pass    |
| 4   | 5226.600        | 104.39           | -3.49       | --             | -198.61         | Peak     | 303.00         | 150         | Horizontal | N/A     |
| 4** | 5226.600        | 97.16            | -3.49       | --             | 97.16           | AV       | 303.00         | 150         | Horizontal | N/A     |
| 5   | 7532.163        | 47.52            | -1.67       | 74.0           | -26.48          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7532.163        | 37.29            | -1.67       | 54.0           | -16.71          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 11684.813       | 51.27            | 2.42        | 74.0           | -22.73          | Peak     | 325.00         | 150         | Horizontal | Pass    |
| 6** | 11684.813       | 41.00            | 2.42        | 54.0           | -13.00          | AV       | 325.00         | 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   | 1065.400        | 38.39            | -18.61      | 74.0           | -35.61          | Peak     | 208.00         | 150         | Vertical | Pass    |
| 1** | 1065.400        | 28.59            | -18.61      | 54.0           | -25.41          | AV       | 208.00         | 150         | Vertical | Pass    |
| 2   | 1331.700        | 40.28            | -17.73      | 74.0           | -33.72          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1331.700        | 33.61            | -17.73      | 54.0           | -20.39          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4000.200        | 48.04            | -5.64       | 74.0           | -25.96          | Peak     | 275.00         | 150         | Vertical | Pass    |
| 3** | 4000.200        | 37.80            | -5.64       | 54.0           | -16.20          | AV       | 275.00         | 150         | Vertical | Pass    |
| 4   | 5232.200        | 92.76            | -3.60       | --             | 11.76           | Peak     | 81.00          | 150         | Vertical | N/A     |
| 4** | 5232.200        | 84.79            | -3.60       | --             | 84.79           | AV       | 81.00          | 150         | Vertical | N/A     |
| 5   | 7546.537        | 47.64            | -1.58       | 74.0           | -26.36          | Peak     | 177.00         | 150         | Vertical | Pass    |
| 5** | 7546.537        | 40.07            | -1.58       | 54.0           | -13.93          | AV       | 177.00         | 150         | Vertical | Pass    |
| 6   | 12181.900       | 50.69            | 2.31        | 74.0           | -23.31          | Peak     | 347.00         | 150         | Vertical | Pass    |
| 6** | 12181.900       | 41.91            | 2.31        | 54.0           | -12.09          | AV       | 347.00         | 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   | 1202.500        | 37.88            | -18.11      | 74.0           | -36.12          | Peak     | 44.00          | 150         | Horizontal | Pass    |
| 1** | 1202.500        | 27.80            | -18.11      | 54.0           | -26.20          | AV       | 44.00          | 150         | Horizontal | Pass    |
| 2   | 1500.800        | 38.16            | -17.68      | 74.0           | -35.84          | Peak     | 71.00          | 150         | Horizontal | Pass    |
| 2** | 1500.800        | 28.06            | -17.68      | 54.0           | -25.94          | AV       | 71.00          | 150         | Horizontal | Pass    |
| 3   | 4135.400        | 47.79            | -5.55       | 74.0           | -26.21          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 3** | 4135.400        | 37.60            | -5.55       | 54.0           | -16.40          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 4   | 5202.400        | 101.54           | -3.36       | --             | -225.46         | Peak     | 327.00         | 150         | Horizontal | N/A     |
| 4** | 5202.400        | 93.79            | -3.36       | --             | 93.79           | AV       | 327.00         | 150         | Horizontal | N/A     |
| 5   | 7522.100        | 48.14            | -1.61       | 74.0           | -25.86          | Peak     | 159.00         | 150         | Horizontal | Pass    |
| 5** | 7522.100        | 38.82            | -1.61       | 54.0           | -15.18          | AV       | 159.00         | 150         | Horizontal | Pass    |
| 6   | 12378.263       | 50.72            | 1.89        | 74.0           | -23.28          | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 6** | 12378.263       | 40.63            | 1.89        | 54.0           | -13.37          | AV       | 228.00         | 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   | 1065.600        | 38.87            | -18.62      | 74.0           | -35.13          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 1** | 1065.600        | 34.41            | -18.62      | 54.0           | -19.59          | AV       | 216.00         | 150         | Vertical | Pass    |
| 2   | 1328.700        | 40.53            | -17.66      | 74.0           | -33.47          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1328.700        | 29.37            | -17.66      | 54.0           | -24.63          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4318.400        | 48.92            | -4.96       | 74.0           | -25.08          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4318.400        | 38.89            | -4.96       | 54.0           | -15.11          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5204.400        | 88.50            | -3.35       | --             | -10.50          | Peak     | 99.00          | 150         | Vertical | N/A     |
| 4** | 5204.400        | 81.10            | -3.35       | --             | 81.10           | AV       | 99.00          | 150         | Vertical | N/A     |
| 5   | 7486.450        | 47.48            | -1.86       | 74.0           | -26.52          | Peak     | 251.00         | 150         | Vertical | Pass    |
| 5** | 7486.450        | 38.24            | -1.86       | 54.0           | -15.76          | AV       | 251.00         | 150         | Vertical | Pass    |
| 6   | 12273.325       | 51.22            | 2.47        | 74.0           | -22.78          | Peak     | 206.00         | 150         | Vertical | Pass    |
| 6** | 12273.325       | 41.45            | 2.47        | 54.0           | -12.55          | AV       | 206.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1196.400        | 37.59            | -18.19      | 74.0           | -36.41          | Peak     | 163.00         | 150         | Horizontal | Pass    |
| 1** | 1196.400        | 28.08            | -18.19      | 54.0           | -25.92          | AV       | 163.00         | 150         | Horizontal | Pass    |
| 2   | 1371.900        | 38.90            | -17.59      | 74.0           | -35.10          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 2** | 1371.900        | 28.70            | -17.59      | 54.0           | -25.30          | AV       | 225.00         | 150         | Horizontal | Pass    |
| 3   | 4279.800        | 49.12            | -4.83       | 74.0           | -24.88          | Peak     | 236.00         | 150         | Horizontal | Pass    |
| 3** | 4279.800        | 39.06            | -4.83       | 54.0           | -14.94          | AV       | 236.00         | 150         | Horizontal | Pass    |
| 4   | 5258.800        | 107.86           | -3.81       | --             | -184.14         | Peak     | 292.00         | 150         | Horizontal | N/A     |
| 4** | 5258.800        | 100.53           | -3.81       | --             | 100.53          | AV       | 292.00         | 150         | Horizontal | N/A     |
| 5   | 7540.788        | 47.51            | -1.66       | 74.0           | -26.49          | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 5** | 7540.788        | 38.96            | -1.66       | 54.0           | -15.04          | AV       | 64.00          | 150         | Horizontal | Pass    |
| 6   | 12216.112       | 50.67            | 2.59        | 74.0           | -23.33          | Peak     | 236.00         | 150         | Horizontal | Pass    |
| 6** | 12216.112       | 41.43            | 2.59        | 54.0           | -12.57          | AV       | 236.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.400        | 38.50            | -18.64      | 74.0           | -35.50          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 1** | 1062.400        | 27.76            | -18.64      | 54.0           | -26.24          | AV       | 219.00         | 150         | Vertical | Pass    |
| 2   | 1328.600        | 39.74            | -17.66      | 74.0           | -34.26          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1328.600        | 30.11            | -17.66      | 54.0           | -23.89          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4341.000        | 49.03            | -4.65       | 74.0           | -24.97          | Peak     | 28.00          | 150         | Vertical | Pass    |
| 3** | 4341.000        | 39.70            | -4.65       | 54.0           | -14.30          | AV       | 28.00          | 150         | Vertical | Pass    |
| 4   | 5263.400        | 95.08            | -3.78       | --             | 3.08            | Peak     | 92.00          | 150         | Vertical | N/A     |
| 4** | 5263.400        | 88.69            | -3.78       | --             | 88.69           | AV       | 92.00          | 150         | Vertical | N/A     |
| 5   | 7552.862        | 47.30            | -1.56       | 74.0           | -26.70          | Peak     | 251.00         | 150         | Vertical | Pass    |
| 5** | 7552.862        | 38.79            | -1.56       | 54.0           | -15.21          | AV       | 251.00         | 150         | Vertical | Pass    |
| 6   | 12228.187       | 50.90            | 2.62        | 74.0           | -23.10          | Peak     | 302.00         | 150         | Vertical | Pass    |
| 6** | 12228.187       | 41.15            | 2.62        | 54.0           | -12.85          | AV       | 302.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1149.100        | 36.72            | -18.36      | 74.0           | -37.28          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 1** | 1149.100        | 27.62            | -18.36      | 54.0           | -26.38          | AV       | 267.00         | 150         | Horizontal | Pass    |
| 2   | 1526.800        | 38.55            | -17.74      | 74.0           | -35.45          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 2** | 1526.800        | 28.69            | -17.74      | 54.0           | -25.31          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 3   | 3965.000        | 48.11            | -5.27       | 74.0           | -25.89          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 3** | 3965.000        | 38.08            | -5.27       | 54.0           | -15.92          | AV       | 20.00          | 150         | Horizontal | Pass    |
| 4   | 5301.800        | 108.14           | -3.31       | --             | -135.86         | Peak     | 244.00         | 150         | Horizontal | N/A     |
| 4** | 5301.800        | 100.71           | -3.31       | --             | 100.71          | AV       | 244.00         | 150         | Horizontal | N/A     |
| 5   | 7556.025        | 47.66            | -1.63       | 74.0           | -26.34          | Peak     | 312.00         | 150         | Horizontal | Pass    |
| 5** | 7556.025        | 38.38            | -1.63       | 54.0           | -15.62          | AV       | 312.00         | 150         | Horizontal | Pass    |
| 6   | 12258.088       | 51.09            | 2.59        | 74.0           | -22.91          | Peak     | 353.00         | 150         | Horizontal | Pass    |
| 6** | 12258.088       | 41.19            | 2.59        | 54.0           | -12.81          | AV       | 353.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.700        | 38.54            | -18.64      | 74.0           | -35.46          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 1** | 1062.700        | 30.23            | -18.64      | 54.0           | -23.77          | AV       | 199.00         | 150         | Vertical | Pass    |
| 2   | 1329.700        | 40.14            | -17.69      | 74.0           | -33.86          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1329.700        | 29.57            | -17.69      | 54.0           | -24.43          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4073.800        | 47.59            | -5.29       | 74.0           | -26.41          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 3** | 4073.800        | 37.52            | -5.29       | 54.0           | -16.48          | AV       | 221.00         | 150         | Vertical | Pass    |
| 4   | 5300.800        | 96.58            | -3.30       | --             | 4.58            | Peak     | 92.00          | 150         | Vertical | N/A     |
| 4** | 5300.800        | 87.63            | -3.30       | --             | 87.63           | AV       | 92.00          | 150         | Vertical | N/A     |
| 5   | 7555.450        | 48.42            | -1.61       | 74.0           | -25.58          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 5** | 7555.450        | 38.41            | -1.61       | 54.0           | -15.59          | AV       | 221.00         | 150         | Vertical | Pass    |
| 6   | 12224.737       | 50.85            | 2.61        | 74.0           | -23.15          | Peak     | 343.00         | 150         | Vertical | Pass    |
| 6** | 12224.737       | 42.31            | 2.61        | 54.0           | -11.69          | AV       | 343.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1198.100        | 37.86            | -18.18      | 74.0           | -36.14          | Peak     | 2.00           | 150         | Horizontal | Pass    |
| 1** | 1198.100        | 27.64            | -18.18      | 54.0           | -26.36          | AV       | 2.00           | 150         | Horizontal | Pass    |
| 2   | 1529.500        | 38.10            | -17.76      | 74.0           | -35.90          | Peak     | 68.00          | 150         | Horizontal | Pass    |
| 2** | 1529.500        | 28.31            | -17.76      | 54.0           | -25.69          | AV       | 68.00          | 150         | Horizontal | Pass    |
| 3   | 3797.600        | 47.80            | -5.72       | 74.0           | -26.20          | Peak     | 315.00         | 150         | Horizontal | Pass    |
| 3** | 3797.600        | 38.11            | -5.72       | 54.0           | -15.89          | AV       | 315.00         | 150         | Horizontal | Pass    |
| 4   | 5321.000        | 108.14           | -3.24       | --             | 18.14           | Peak     | 90.00          | 150         | Horizontal | N/A     |
| 4** | 5321.000        | 100.46           | -3.24       | --             | 100.46          | AV       | 90.00          | 150         | Horizontal | N/A     |
| 5   | 7562.638        | 47.90            | -1.83       | 74.0           | -26.10          | Peak     | 103.00         | 150         | Horizontal | Pass    |
| 5** | 7562.638        | 38.49            | -1.83       | 54.0           | -15.51          | AV       | 103.00         | 150         | Horizontal | Pass    |
| 6   | 11616.963       | 50.23            | 2.19        | 74.0           | -23.77          | Peak     | 277.00         | 150         | Horizontal | Pass    |
| 6** | 11616.963       | 40.65            | 2.19        | 54.0           | -13.35          | AV       | 277.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.900        | 38.38            | -18.63      | 74.0           | -35.62          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 1** | 1065.900        | 31.52            | -18.63      | 54.0           | -22.48          | AV       | 194.00         | 150         | Vertical | Pass    |
| 2   | 1328.800        | 39.90            | -17.67      | 74.0           | -34.10          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 2** | 1328.800        | 28.78            | -17.67      | 54.0           | -25.22          | AV       | 338.00         | 150         | Vertical | Pass    |
| 3   | 3800.400        | 48.13            | -5.95       | 74.0           | -25.87          | Peak     | 183.00         | 150         | Vertical | Pass    |
| 3** | 3800.400        | 37.94            | -5.95       | 54.0           | -16.06          | AV       | 183.00         | 150         | Vertical | Pass    |
| 4   | 5321.400        | 95.61            | -3.24       | --             | 44.61           | Peak     | 51.00          | 150         | Vertical | N/A     |
| 4** | 5321.400        | 86.82            | -3.24       | --             | 86.82           | AV       | 51.00          | 150         | Vertical | N/A     |
| 5   | 7539.350        | 47.53            | -1.69       | 74.0           | -26.47          | Peak     | 13.00          | 150         | Vertical | Pass    |
| 5** | 7539.350        | 38.38            | -1.69       | 54.0           | -15.62          | AV       | 13.00          | 150         | Vertical | Pass    |
| 6   | 12378.263       | 50.70            | 1.89        | 74.0           | -23.30          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 6** | 12378.263       | 41.30            | 1.89        | 54.0           | -12.70          | AV       | 227.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.200        | 37.91            | -18.63      | 74.0           | -36.09          | Peak     | 271.00         | 150         | Horizontal | Pass    |
| 1** | 1063.200        | 29.99            | -18.63      | 54.0           | -24.01          | AV       | 271.00         | 150         | Horizontal | Pass    |
| 2   | 1550.000        | 37.83            | -17.68      | 74.0           | -36.17          | Peak     | 226.00         | 150         | Horizontal | Pass    |
| 2** | 1550.000        | 28.28            | -17.68      | 54.0           | -25.72          | AV       | 226.00         | 150         | Horizontal | Pass    |
| 3   | 4154.400        | 47.79            | -5.13       | 74.0           | -26.21          | Peak     | 101.00         | 150         | Horizontal | Pass    |
| 3** | 4154.400        | 39.19            | -5.13       | 54.0           | -14.81          | AV       | 101.00         | 150         | Horizontal | Pass    |
| 4   | 5258.600        | 107.63           | -3.82       | --             | -202.37         | Peak     | 310.00         | 150         | Horizontal | N/A     |
| 4** | 5258.600        | 100.74           | -3.82       | --             | 100.74          | AV       | 310.00         | 150         | Horizontal | N/A     |
| 5   | 7547.112        | 48.09            | -1.58       | 74.0           | -25.91          | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 5** | 7547.112        | 38.80            | -1.58       | 54.0           | -15.20          | AV       | 268.00         | 150         | Horizontal | Pass    |
| 6   | 12270.737       | 50.96            | 2.49        | 74.0           | -23.04          | Peak     | 122.00         | 150         | Horizontal | Pass    |
| 6** | 12270.737       | 41.67            | 2.49        | 54.0           | -12.33          | AV       | 122.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.400        | 40.89            | -18.61      | 74.0           | -33.11          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 1** | 1065.400        | 31.54            | -18.61      | 54.0           | -22.46          | AV       | 211.00         | 150         | Vertical | Pass    |
| 2   | 1332.300        | 40.19            | -17.74      | 74.0           | -33.81          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1332.300        | 31.52            | -17.74      | 54.0           | -22.48          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4011.600        | 47.06            | -5.81       | 74.0           | -26.94          | Peak     | 116.00         | 150         | Vertical | Pass    |
| 3** | 4011.600        | 37.46            | -5.81       | 54.0           | -16.54          | AV       | 116.00         | 150         | Vertical | Pass    |
| 4   | 5255.600        | 95.45            | -3.80       | --             | 47.45           | Peak     | 48.00          | 150         | Vertical | N/A     |
| 4** | 5255.600        | 88.66            | -3.80       | --             | 88.66           | AV       | 48.00          | 150         | Vertical | N/A     |
| 5   | 7465.462        | 47.28            | -2.07       | 74.0           | -26.72          | Peak     | 237.00         | 150         | Vertical | Pass    |
| 5** | 7465.462        | 38.04            | -2.07       | 54.0           | -15.96          | AV       | 237.00         | 150         | Vertical | Pass    |
| 6   | 12010.838       | 51.09            | 1.08        | 74.0           | -22.91          | Peak     | 331.00         | 150         | Vertical | Pass    |
| 6** | 12010.838       | 40.72            | 1.08        | 54.0           | -13.28          | AV       | 331.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1154.800        | 37.27            | -18.39      | 74.0           | -36.73          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 1** | 1154.800        | 27.43            | -18.39      | 54.0           | -26.57          | AV       | 58.00          | 150         | Horizontal | Pass    |
| 2   | 1563.700        | 38.06            | -17.64      | 74.0           | -35.94          | Peak     | 32.00          | 150         | Horizontal | Pass    |
| 2** | 1563.700        | 28.54            | -17.64      | 54.0           | -25.46          | AV       | 32.00          | 150         | Horizontal | Pass    |
| 3   | 4296.400        | 48.24            | -4.90       | 74.0           | -25.76          | Peak     | 62.00          | 150         | Horizontal | Pass    |
| 3** | 4296.400        | 38.17            | -4.90       | 54.0           | -15.83          | AV       | 62.00          | 150         | Horizontal | Pass    |
| 4   | 5296.400        | 107.59           | -3.37       | --             | -206.41         | Peak     | 314.00         | 150         | Horizontal | N/A     |
| 4** | 5296.400        | 99.14            | -3.37       | --             | 99.14           | AV       | 314.00         | 150         | Horizontal | N/A     |
| 5   | 7553.438        | 47.56            | -1.56       | 74.0           | -26.44          | Peak     | 359.00         | 150         | Horizontal | Pass    |
| 5** | 7553.438        | 38.78            | -1.56       | 54.0           | -15.22          | AV       | 359.00         | 150         | Horizontal | Pass    |
| 6   | 12209.787       | 50.97            | 2.58        | 74.0           | -23.03          | Peak     | 37.00          | 150         | Horizontal | Pass    |
| 6** | 12209.787       | 41.96            | 2.58        | 54.0           | -12.04          | AV       | 37.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.000        | 39.90            | -18.64      | 74.0           | -34.10          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 1** | 1066.000        | 30.45            | -18.64      | 54.0           | -23.55          | AV       | 284.00         | 150         | Vertical | Pass    |
| 2   | 1329.000        | 39.89            | -17.67      | 74.0           | -34.11          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1329.000        | 28.21            | -17.67      | 54.0           | -25.79          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4165.600        | 47.98            | -4.97       | 74.0           | -26.02          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4165.600        | 39.54            | -4.97       | 54.0           | -14.46          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5297.400        | 95.25            | -3.40       | --             | 45.25           | Peak     | 50.00          | 150         | Vertical | N/A     |
| 4** | 5297.400        | 88.48            | -3.40       | --             | 88.48           | AV       | 50.00          | 150         | Vertical | N/A     |
| 5   | 7560.625        | 48.13            | -1.78       | 74.0           | -25.87          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 5** | 7560.625        | 38.73            | -1.78       | 54.0           | -15.27          | AV       | 185.00         | 150         | Vertical | Pass    |
| 6   | 12220.137       | 50.68            | 2.60        | 74.0           | -23.32          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 12220.137       | 42.16            | 2.60        | 54.0           | -11.84          | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1116.000        | 36.55            | -18.47      | 74.0           | -37.45          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 1** | 1116.000        | 26.29            | -18.47      | 54.0           | -27.71          | AV       | 333.00         | 150         | Horizontal | Pass    |
| 2   | 1537.800        | 38.48            | -17.71      | 74.0           | -35.52          | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 2** | 1537.800        | 27.74            | -17.71      | 54.0           | -26.26          | AV       | 88.00          | 150         | Horizontal | Pass    |
| 3   | 4256.000        | 47.57            | -4.75       | 74.0           | -26.43          | Peak     | 43.00          | 150         | Horizontal | Pass    |
| 3** | 4256.000        | 37.47            | -4.75       | 54.0           | -16.53          | AV       | 43.00          | 150         | Horizontal | Pass    |
| 4   | 5315.000        | 106.84           | -3.23       | --             | -205.16         | Peak     | 312.00         | 150         | Horizontal | N/A     |
| 4** | 5315.000        | 99.18            | -3.23       | --             | 99.18           | AV       | 312.00         | 150         | Horizontal | N/A     |
| 5   | 7555.737        | 47.28            | -1.62       | 74.0           | -26.72          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 5** | 7555.737        | 38.13            | -1.62       | 54.0           | -15.87          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 6   | 12237.388       | 50.86            | 2.64        | 74.0           | -23.14          | Peak     | 312.00         | 150         | Horizontal | Pass    |
| 6** | 12237.388       | 41.49            | 2.64        | 54.0           | -12.51          | AV       | 312.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.700        | 38.51            | -18.58      | 74.0           | -35.49          | Peak     | 225.00         | 150         | Vertical | Pass    |
| 1** | 1064.700        | 27.35            | -18.58      | 54.0           | -26.65          | AV       | 225.00         | 150         | Vertical | Pass    |
| 2   | 1569.800        | 38.16            | -17.60      | 74.0           | -35.84          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 2** | 1569.800        | 28.95            | -17.60      | 54.0           | -25.05          | AV       | 218.00         | 150         | Vertical | Pass    |
| 3   | 4218.800        | 49.09            | -4.76       | 74.0           | -24.91          | Peak     | 61.00          | 150         | Vertical | Pass    |
| 3** | 4218.800        | 38.64            | -4.76       | 54.0           | -15.36          | AV       | 61.00          | 150         | Vertical | Pass    |
| 4   | 5322.000        | 95.84            | -3.24       | --             | -236.16         | Peak     | 332.00         | 150         | Vertical | N/A     |
| 4** | 5322.000        | 87.17            | -3.24       | --             | 87.17           | AV       | 332.00         | 150         | Vertical | N/A     |
| 5   | 7547.400        | 47.75            | -1.58       | 74.0           | -26.25          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 5** | 7547.400        | 39.23            | -1.58       | 54.0           | -14.77          | AV       | 47.00          | 150         | Vertical | Pass    |
| 6   | 12191.963       | 51.24            | 2.45        | 74.0           | -22.76          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 12191.963       | 41.04            | 2.45        | 54.0           | -12.96          | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.800        | 37.01            | -18.61      | 74.0           | -36.99          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 1** | 1063.800        | 26.83            | -18.61      | 54.0           | -27.17          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 2   | 1590.300        | 38.29            | -17.74      | 74.0           | -35.71          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 1590.300        | 28.74            | -17.74      | 54.0           | -25.26          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4237.600        | 48.49            | -5.14       | 74.0           | -25.51          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 3** | 4237.600        | 39.04            | -5.14       | 54.0           | -14.96          | AV       | 285.00         | 150         | Horizontal | Pass    |
| 4   | 5266.600        | 104.20           | -3.76       | --             | -196.80         | Peak     | 301.00         | 150         | Horizontal | N/A     |
| 4** | 5266.600        | 97.09            | -3.76       | --             | 97.09           | AV       | 301.00         | 150         | Horizontal | N/A     |
| 5   | 7552.575        | 48.09            | -1.56       | 74.0           | -25.91          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7552.575        | 37.58            | -1.56       | 54.0           | -16.42          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 12186.787       | 51.04            | 2.38        | 74.0           | -22.96          | Peak     | 303.00         | 150         | Horizontal | Pass    |
| 6** | 12186.787       | 40.32            | 2.38        | 54.0           | -13.68          | AV       | 303.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.400        | 39.19            | -18.66      | 74.0           | -34.81          | Peak     | 203.00         | 150         | Vertical | Pass    |
| 1** | 1066.400        | 32.47            | -18.66      | 54.0           | -21.53          | AV       | 203.00         | 150         | Vertical | Pass    |
| 2   | 1576.500        | 38.84            | -17.51      | 74.0           | -35.16          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1576.500        | 28.99            | -17.51      | 54.0           | -25.01          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3780.000        | 47.44            | -5.72       | 74.0           | -26.56          | Peak     | 88.00          | 150         | Vertical | Pass    |
| 3** | 3780.000        | 38.21            | -5.72       | 54.0           | -15.79          | AV       | 88.00          | 150         | Vertical | Pass    |
| 4   | 5281.600        | 91.86            | -3.55       | --             | 3.86            | Peak     | 88.00          | 150         | Vertical | N/A     |
| 4** | 5281.600        | 84.04            | -3.55       | --             | 84.04           | AV       | 88.00          | 150         | Vertical | N/A     |
| 5   | 7562.638        | 48.12            | -1.83       | 74.0           | -25.88          | Peak     | 265.00         | 150         | Vertical | Pass    |
| 5** | 7562.638        | 38.30            | -1.83       | 54.0           | -15.70          | AV       | 265.00         | 150         | Vertical | Pass    |
| 6   | 12203.463       | 51.58            | 2.56        | 74.0           | -22.42          | Peak     | 39.00          | 150         | Vertical | Pass    |
| 6** | 12203.463       | 41.48            | 2.56        | 54.0           | -12.52          | AV       | 39.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1198.300        | 37.92            | -18.18      | 74.0           | -36.08          | Peak     | 52.00          | 150         | Horizontal | Pass    |
| 1** | 1198.300        | 28.49            | -18.18      | 54.0           | -25.51          | AV       | 52.00          | 150         | Horizontal | Pass    |
| 2   | 1574.700        | 38.27            | -17.55      | 74.0           | -35.73          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 2** | 1574.700        | 28.16            | -17.55      | 54.0           | -25.84          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 3   | 4120.000        | 48.13            | -5.51       | 74.0           | -25.87          | Peak     | 111.00         | 150         | Horizontal | Pass    |
| 3** | 4120.000        | 37.84            | -5.51       | 54.0           | -16.16          | AV       | 111.00         | 150         | Horizontal | Pass    |
| 4   | 5313.800        | 104.90           | -3.25       | --             | -203.10         | Peak     | 308.00         | 150         | Horizontal | N/A     |
| 4** | 5313.800        | 96.73            | -3.25       | --             | 96.73           | AV       | 308.00         | 150         | Horizontal | N/A     |
| 5   | 7497.662        | 47.48            | -1.86       | 74.0           | -26.52          | Peak     | 295.00         | 150         | Horizontal | Pass    |
| 5** | 7497.662        | 38.66            | -1.86       | 54.0           | -15.34          | AV       | 295.00         | 150         | Horizontal | Pass    |
| 6   | 12239.112       | 50.75            | 2.64        | 74.0           | -23.25          | Peak     | 130.00         | 150         | Horizontal | Pass    |
| 6** | 12239.112       | 42.59            | 2.64        | 54.0           | -11.41          | AV       | 130.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.000        | 38.96            | -18.63      | 74.0           | -35.04          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 1** | 1063.000        | 32.45            | -18.63      | 54.0           | -21.55          | AV       | 207.00         | 150         | Vertical | Pass    |
| 2   | 1327.300        | 40.27            | -17.65      | 74.0           | -33.73          | Peak     | 354.00         | 150         | Vertical | Pass    |
| 2** | 1327.300        | 28.76            | -17.65      | 54.0           | -25.24          | AV       | 354.00         | 150         | Vertical | Pass    |
| 3   | 4219.600        | 47.96            | -4.76       | 74.0           | -26.04          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 3** | 4219.600        | 38.65            | -4.76       | 54.0           | -15.35          | AV       | 108.00         | 150         | Vertical | Pass    |
| 4   | 5307.800        | 91.91            | -3.28       | --             | 48.91           | Peak     | 43.00          | 150         | Vertical | N/A     |
| 4** | 5307.800        | 84.15            | -3.28       | --             | 84.15           | AV       | 43.00          | 150         | Vertical | N/A     |
| 5   | 7503.700        | 47.47            | -1.85       | 74.0           | -26.53          | Peak     | 311.00         | 150         | Vertical | Pass    |
| 5** | 7503.700        | 39.09            | -1.85       | 54.0           | -14.91          | AV       | 311.00         | 150         | Vertical | Pass    |
| 6   | 12231.063       | 50.71            | 2.62        | 74.0           | -23.29          | Peak     | 70.00          | 150         | Vertical | Pass    |
| 6** | 12231.063       | 41.48            | 2.62        | 54.0           | -12.52          | AV       | 70.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1050.100        | 36.71            | -18.47      | 74.0           | -37.29          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 1** | 1050.100        | 27.04            | -18.47      | 54.0           | -26.96          | AV       | 1.00           | 150         | Horizontal | Pass    |
| 2   | 1535.400        | 37.51            | -17.73      | 74.0           | -36.49          | Peak     | 103.00         | 150         | Horizontal | Pass    |
| 2** | 1535.400        | 28.93            | -17.73      | 54.0           | -25.07          | AV       | 103.00         | 150         | Horizontal | Pass    |
| 3   | 4294.000        | 48.27            | -4.80       | 74.0           | -25.73          | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 3** | 4294.000        | 38.76            | -4.80       | 54.0           | -15.24          | AV       | 73.00          | 150         | Horizontal | Pass    |
| 4   | 5261.400        | 107.39           | -3.81       | --             | -201.61         | Peak     | 309.00         | 150         | Horizontal | N/A     |
| 4** | 5261.400        | 100.00           | -3.81       | --             | 100.00          | AV       | 309.00         | 150         | Horizontal | N/A     |
| 5   | 7564.075        | 47.76            | -1.88       | 74.0           | -26.24          | Peak     | 307.00         | 150         | Horizontal | Pass    |
| 5** | 7564.075        | 38.66            | -1.88       | 54.0           | -15.34          | AV       | 307.00         | 150         | Horizontal | Pass    |
| 6   | 12079.263       | 50.92            | 1.34        | 74.0           | -23.08          | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 6** | 12079.263       | 40.53            | 1.34        | 54.0           | -13.47          | AV       | 83.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1201.400        | 38.48            | -18.14      | 74.0           | -35.52          | Peak     | 30.00          | 150         | Vertical | Pass    |
| 1** | 1201.400        | 28.21            | -18.14      | 54.0           | -25.79          | AV       | 30.00          | 150         | Vertical | Pass    |
| 2   | 1539.000        | 38.08            | -17.75      | 74.0           | -35.92          | Peak     | 223.00         | 150         | Vertical | Pass    |
| 2** | 1539.000        | 28.90            | -17.75      | 54.0           | -25.10          | AV       | 223.00         | 150         | Vertical | Pass    |
| 3   | 4244.200        | 48.75            | -4.87       | 74.0           | -25.25          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4244.200        | 38.74            | -4.87       | 54.0           | -15.26          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5257.600        | 95.42            | -3.83       | --             | 49.42           | Peak     | 46.00          | 150         | Vertical | N/A     |
| 4** | 5257.600        | 88.24            | -3.83       | --             | 88.24           | AV       | 46.00          | 150         | Vertical | N/A     |
| 5   | 7516.925        | 47.98            | -1.68       | 74.0           | -26.02          | Peak     | 311.00         | 150         | Vertical | Pass    |
| 5** | 7516.925        | 37.96            | -1.68       | 54.0           | -16.04          | AV       | 311.00         | 150         | Vertical | Pass    |
| 6   | 12053.675       | 51.24            | 1.18        | 74.0           | -22.76          | Peak     | 322.00         | 150         | Vertical | Pass    |
| 6** | 12053.675       | 43.03            | 1.18        | 54.0           | -10.97          | AV       | 322.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1061.900        | 36.93            | -18.64      | 74.0           | -37.07          | Peak     | 280.00         | 150         | Horizontal | Pass    |
| 1** | 1061.900        | 27.30            | -18.64      | 54.0           | -26.70          | AV       | 280.00         | 150         | Horizontal | Pass    |
| 2   | 1539.300        | 37.73            | -17.75      | 74.0           | -36.27          | Peak     | 144.00         | 150         | Horizontal | Pass    |
| 2** | 1539.300        | 28.82            | -17.75      | 54.0           | -25.18          | AV       | 144.00         | 150         | Horizontal | Pass    |
| 3   | 4210.800        | 48.69            | -4.98       | 74.0           | -25.31          | Peak     | 301.00         | 150         | Horizontal | Pass    |
| 3** | 4210.800        | 38.95            | -4.98       | 54.0           | -15.05          | AV       | 301.00         | 150         | Horizontal | Pass    |
| 4   | 5298.400        | 108.18           | -3.36       | --             | -200.82         | Peak     | 309.00         | 150         | Horizontal | N/A     |
| 4** | 5298.400        | 100.19           | -3.36       | --             | 100.19          | AV       | 309.00         | 150         | Horizontal | N/A     |
| 5   | 7558.612        | 48.26            | -1.68       | 74.0           | -25.74          | Peak     | 175.00         | 150         | Horizontal | Pass    |
| 5** | 7558.612        | 38.78            | -1.68       | 54.0           | -15.22          | AV       | 175.00         | 150         | Horizontal | Pass    |
| 6   | 12014.576       | 51.12            | 1.08        | 74.0           | -22.88          | Peak     | 27.00          | 150         | Horizontal | Pass    |
| 6** | 12014.576       | 40.53            | 1.08        | 54.0           | -13.47          | AV       | 27.00          | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.900        | 38.95            | -18.63      | 74.0           | -35.05          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 1** | 1062.900        | 31.13            | -18.63      | 54.0           | -22.87          | AV       | 211.00         | 150         | Vertical | Pass    |
| 2   | 1552.900        | 37.71            | -17.70      | 74.0           | -36.29          | Peak     | 296.00         | 150         | Vertical | Pass    |
| 2** | 1552.900        | 28.90            | -17.70      | 54.0           | -25.10          | AV       | 296.00         | 150         | Vertical | Pass    |
| 3   | 3988.000        | 47.57            | -5.92       | 74.0           | -26.43          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 3988.000        | 38.02            | -5.92       | 54.0           | -15.98          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5301.200        | 96.06            | -3.30       | --             | 53.06           | Peak     | 43.00          | 150         | Vertical | N/A     |
| 4** | 5301.200        | 88.36            | -3.30       | --             | 88.36           | AV       | 43.00          | 150         | Vertical | N/A     |
| 5   | 7562.638        | 48.14            | -1.83       | 74.0           | -25.86          | Peak     | 99.00          | 150         | Vertical | Pass    |
| 5** | 7562.638        | 39.23            | -1.83       | 54.0           | -14.77          | AV       | 99.00          | 150         | Vertical | Pass    |
| 6   | 12258.950       | 50.39            | 2.59        | 74.0           | -23.61          | Peak     | 352.00         | 150         | Vertical | Pass    |
| 6** | 12258.950       | 41.27            | 2.59        | 54.0           | -12.73          | AV       | 352.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1120.900        | 36.29            | -18.34      | 74.0           | -37.71          | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 1** | 1120.900        | 27.25            | -18.34      | 54.0           | -26.75          | AV       | 56.00          | 150         | Horizontal | Pass    |
| 2   | 1597.500        | 39.24            | -17.76      | 74.0           | -34.76          | Peak     | 236.00         | 150         | Horizontal | Pass    |
| 2** | 1597.500        | 28.86            | -17.76      | 54.0           | -25.14          | AV       | 236.00         | 150         | Horizontal | Pass    |
| 3   | 4278.000        | 48.65            | -4.75       | 74.0           | -25.35          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4278.000        | 38.83            | -4.75       | 54.0           | -15.17          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5319.000        | 107.91           | -3.28       | --             | -205.09         | Peak     | 313.00         | 150         | Horizontal | N/A     |
| 4** | 5319.000        | 100.71           | -3.28       | --             | 100.71          | AV       | 313.00         | 150         | Horizontal | N/A     |
| 5   | 7538.487        | 47.50            | -1.69       | 74.0           | -26.50          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 5** | 7538.487        | 37.98            | -1.69       | 54.0           | -16.02          | AV       | 190.00         | 150         | Horizontal | Pass    |
| 6   | 12361.588       | 50.41            | 1.98        | 74.0           | -23.59          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 6** | 12361.588       | 41.11            | 1.98        | 54.0           | -12.89          | AV       | 7.00           | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.000        | 39.48            | -18.60      | 74.0           | -34.52          | Peak     | 198.00         | 150         | Vertical | Pass    |
| 1** | 1064.000        | 31.40            | -18.60      | 54.0           | -22.60          | AV       | 198.00         | 150         | Vertical | Pass    |
| 2   | 1331.200        | 39.60            | -17.72      | 74.0           | -34.40          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1331.200        | 29.11            | -17.72      | 54.0           | -24.89          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4644.000        | 49.96            | -4.30       | 74.0           | -24.04          | Peak     | 346.00         | 150         | Vertical | Pass    |
| 3** | 4644.000        | 39.54            | -4.30       | 54.0           | -14.46          | AV       | 346.00         | 150         | Vertical | Pass    |
| 4   | 5318.800        | 95.93            | -3.28       | --             | 50.93           | Peak     | 45.00          | 150         | Vertical | N/A     |
| 4** | 5318.800        | 89.44            | -3.28       | --             | 89.44           | AV       | 45.00          | 150         | Vertical | N/A     |
| 5   | 7557.750        | 47.46            | -1.67       | 74.0           | -26.54          | Peak     | 239.00         | 150         | Vertical | Pass    |
| 5** | 7557.750        | 38.79            | -1.67       | 54.0           | -15.21          | AV       | 239.00         | 150         | Vertical | Pass    |
| 6   | 12228.763       | 51.87            | 2.62        | 74.0           | -22.13          | Peak     | 122.00         | 150         | Vertical | Pass    |
| 6** | 12228.763       | 42.27            | 2.62        | 54.0           | -11.73          | AV       | 122.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1076.300        | 37.04            | -18.71      | 74.0           | -36.96          | Peak     | 340.00         | 150         | Horizontal | Pass    |
| 1** | 1076.300        | 26.92            | -18.71      | 54.0           | -27.08          | AV       | 340.00         | 150         | Horizontal | Pass    |
| 2   | 1520.000        | 38.00            | -17.72      | 74.0           | -36.00          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 2** | 1520.000        | 28.76            | -17.72      | 54.0           | -25.24          | AV       | 225.00         | 150         | Horizontal | Pass    |
| 3   | 4017.800        | 47.68            | -5.77       | 74.0           | -26.32          | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 3** | 4017.800        | 38.51            | -5.77       | 54.0           | -15.49          | AV       | 83.00          | 150         | Horizontal | Pass    |
| 4   | 5272.200        | 105.32           | -3.65       | --             | -198.68         | Peak     | 304.00         | 150         | Horizontal | N/A     |
| 4** | 5272.200        | 97.70            | -3.65       | --             | 97.70           | AV       | 304.00         | 150         | Horizontal | N/A     |
| 5   | 7554.300        | 47.75            | -1.56       | 74.0           | -26.25          | Peak     | 37.00          | 150         | Horizontal | Pass    |
| 5** | 7554.300        | 39.33            | -1.56       | 54.0           | -14.67          | AV       | 37.00          | 150         | Horizontal | Pass    |
| 6   | 12075.237       | 51.31            | 1.32        | 74.0           | -22.69          | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 6** | 12075.237       | 41.64            | 1.32        | 54.0           | -12.36          | AV       | 140.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.100        | 40.02            | -18.60      | 74.0           | -33.98          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 1** | 1064.100        | 31.51            | -18.60      | 54.0           | -22.49          | AV       | 216.00         | 150         | Vertical | Pass    |
| 2   | 1514.100        | 38.00            | -17.79      | 74.0           | -36.00          | Peak     | 63.00          | 150         | Vertical | Pass    |
| 2** | 1514.100        | 29.25            | -17.79      | 54.0           | -24.75          | AV       | 63.00          | 150         | Vertical | Pass    |
| 3   | 4152.400        | 48.10            | -5.19       | 74.0           | -25.90          | Peak     | 266.00         | 150         | Vertical | Pass    |
| 3** | 4152.400        | 39.51            | -5.19       | 54.0           | -14.49          | AV       | 266.00         | 150         | Vertical | Pass    |
| 4   | 5264.800        | 91.88            | -3.76       | --             | 51.88           | Peak     | 40.00          | 150         | Vertical | N/A     |
| 4** | 5264.800        | 83.65            | -3.76       | --             | 83.65           | AV       | 40.00          | 150         | Vertical | N/A     |
| 5   | 7522.100        | 47.39            | -1.61       | 74.0           | -26.61          | Peak     | 18.00          | 150         | Vertical | Pass    |
| 5** | 7522.100        | 38.57            | -1.61       | 54.0           | -15.43          | AV       | 18.00          | 150         | Vertical | Pass    |
| 6   | 12115.488       | 50.59            | 1.60        | 74.0           | -23.41          | Peak     | 341.00         | 150         | Vertical | Pass    |
| 6** | 12115.488       | 40.07            | 1.60        | 54.0           | -13.93          | AV       | 341.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1131.500        | 36.63            | -18.34      | 74.0           | -37.37          | Peak     | 230.00         | 150         | Horizontal | Pass    |
| 1** | 1131.500        | 27.25            | -18.34      | 54.0           | -26.75          | AV       | 230.00         | 150         | Horizontal | Pass    |
| 2   | 1569.500        | 38.23            | -17.59      | 74.0           | -35.77          | Peak     | 355.00         | 150         | Horizontal | Pass    |
| 2** | 1569.500        | 28.87            | -17.59      | 54.0           | -25.13          | AV       | 355.00         | 150         | Horizontal | Pass    |
| 3   | 4174.000        | 47.79            | -4.91       | 74.0           | -26.21          | Peak     | 23.00          | 150         | Horizontal | Pass    |
| 3** | 4174.000        | 38.71            | -4.91       | 54.0           | -15.29          | AV       | 23.00          | 150         | Horizontal | Pass    |
| 4   | 5307.200        | 104.60           | -3.30       | --             | -195.40         | Peak     | 300.00         | 150         | Horizontal | N/A     |
| 4** | 5307.200        | 97.56            | -3.30       | --             | 97.56           | AV       | 300.00         | 150         | Horizontal | N/A     |
| 5   | 7543.663        | 47.37            | -1.63       | 74.0           | -26.63          | Peak     | 281.00         | 150         | Horizontal | Pass    |
| 5** | 7543.663        | 38.83            | -1.63       | 54.0           | -15.17          | AV       | 281.00         | 150         | Horizontal | Pass    |
| 6   | 12210.938       | 50.54            | 2.58        | 74.0           | -23.46          | Peak     | 259.00         | 150         | Horizontal | Pass    |
| 6** | 12210.938       | 41.53            | 2.58        | 54.0           | -12.47          | AV       | 259.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.000        | 38.09            | -18.64      | 74.0           | -35.91          | Peak     | 213.00         | 150         | Vertical | Pass    |
| 1** | 1062.000        | 27.36            | -18.64      | 54.0           | -26.64          | AV       | 213.00         | 150         | Vertical | Pass    |
| 2   | 1332.300        | 40.25            | -17.74      | 74.0           | -33.75          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1332.300        | 30.67            | -17.74      | 54.0           | -23.33          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3774.200        | 48.19            | -5.90       | 74.0           | -25.81          | Peak     | 45.00          | 150         | Vertical | Pass    |
| 3** | 3774.200        | 37.30            | -5.90       | 54.0           | -16.70          | AV       | 45.00          | 150         | Vertical | Pass    |
| 4   | 5314.800        | 92.51            | -3.23       | --             | -238.49         | Peak     | 331.00         | 150         | Vertical | N/A     |
| 4** | 5314.800        | 83.80            | -3.23       | --             | 83.80           | AV       | 331.00         | 150         | Vertical | N/A     |
| 5   | 7560.337        | 47.74            | -1.76       | 74.0           | -26.26          | Peak     | 54.00          | 150         | Vertical | Pass    |
| 5** | 7560.337        | 38.32            | -1.76       | 54.0           | -15.68          | AV       | 54.00          | 150         | Vertical | Pass    |
| 6   | 11649.450       | 50.44            | 2.55        | 74.0           | -23.56          | Peak     | 212.00         | 150         | Vertical | Pass    |
| 6** | 11649.450       | 41.69            | 2.55        | 54.0           | -12.31          | AV       | 212.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1163.700        | 37.96            | -18.40      | 74.0           | -36.04          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 1** | 1163.700        | 28.82            | -18.40      | 54.0           | -25.18          | AV       | 79.00          | 150         | Horizontal | Pass    |
| 2   | 1562.300        | 38.72            | -17.66      | 74.0           | -35.28          | Peak     | 293.00         | 150         | Horizontal | Pass    |
| 2** | 1562.300        | 28.95            | -17.66      | 54.0           | -25.05          | AV       | 293.00         | 150         | Horizontal | Pass    |
| 3   | 4277.200        | 48.51            | -4.75       | 74.0           | -25.49          | Peak     | 286.00         | 150         | Horizontal | Pass    |
| 3** | 4277.200        | 38.50            | -4.75       | 54.0           | -15.50          | AV       | 286.00         | 150         | Horizontal | Pass    |
| 4   | 5282.400        | 101.70           | -3.55       | --             | -215.30         | Peak     | 317.00         | 150         | Horizontal | N/A     |
| 4** | 5282.400        | 93.43            | -3.55       | --             | 93.43           | AV       | 317.00         | 150         | Horizontal | N/A     |
| 5   | 7553.438        | 47.67            | -1.56       | 74.0           | -26.33          | Peak     | 323.00         | 150         | Horizontal | Pass    |
| 5** | 7553.438        | 40.06            | -1.56       | 54.0           | -13.94          | AV       | 323.00         | 150         | Horizontal | Pass    |
| 6   | 11652.612       | 50.48            | 2.55        | 74.0           | -23.52          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 11652.612       | 41.10            | 2.55        | 54.0           | -12.90          | AV       | 360.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.400        | 39.12            | -18.59      | 74.0           | -34.88          | Peak     | 217.00         | 150         | Vertical | Pass    |
| 1** | 1064.400        | 30.12            | -18.59      | 54.0           | -23.88          | AV       | 217.00         | 150         | Vertical | Pass    |
| 2   | 1328.400        | 39.07            | -17.66      | 74.0           | -34.93          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1328.400        | 28.71            | -17.66      | 54.0           | -25.29          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4176.000        | 48.26            | -4.85       | 74.0           | -25.74          | Peak     | 175.00         | 150         | Vertical | Pass    |
| 3** | 4176.000        | 38.32            | -4.85       | 54.0           | -15.68          | AV       | 175.00         | 150         | Vertical | Pass    |
| 4   | 5285.200        | 89.88            | -3.45       | --             | 1.88            | Peak     | 88.00          | 150         | Vertical | N/A     |
| 4** | 5285.200        | 81.45            | -3.45       | --             | 81.45           | AV       | 88.00          | 150         | Vertical | N/A     |
| 5   | 7523.537        | 47.63            | -1.61       | 74.0           | -26.37          | Peak     | 233.00         | 150         | Vertical | Pass    |
| 5** | 7523.537        | 38.49            | -1.61       | 54.0           | -15.51          | AV       | 233.00         | 150         | Vertical | Pass    |
| 6   | 11602.588       | 50.41            | 2.03        | 74.0           | -23.59          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 6** | 11602.588       | 40.21            | 2.03        | 54.0           | -13.79          | AV       | 284.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1127.600        | 37.19            | -18.43      | 74.0           | -36.81          | Peak     | 204.00         | 150         | Horizontal | Pass    |
| 1** | 1127.600        | 26.87            | -18.43      | 54.0           | -27.13          | AV       | 204.00         | 150         | Horizontal | Pass    |
| 2   | 1549.400        | 38.40            | -17.69      | 74.0           | -35.60          | Peak     | 120.00         | 150         | Horizontal | Pass    |
| 2** | 1549.400        | 28.87            | -17.69      | 54.0           | -25.13          | AV       | 120.00         | 150         | Horizontal | Pass    |
| 3   | 4291.600        | 48.78            | -4.76       | 74.0           | -25.22          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 3** | 4291.600        | 39.50            | -4.76       | 54.0           | -14.50          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 4   | 5498.800        | 108.69           | -2.82       | --             | -149.31         | Peak     | 258.00         | 150         | Horizontal | N/A     |
| 4** | 5498.800        | 101.08           | -2.82       | --             | 101.08          | AV       | 258.00         | 150         | Horizontal | N/A     |
| 5   | 7547.687        | 47.47            | -1.58       | 74.0           | -26.53          | Peak     | 28.00          | 150         | Horizontal | Pass    |
| 5** | 7547.687        | 38.79            | -1.58       | 54.0           | -15.21          | AV       | 28.00          | 150         | Horizontal | Pass    |
| 6   | 12212.662       | 50.98            | 2.58        | 74.0           | -23.02          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 6** | 12212.662       | 41.52            | 2.58        | 54.0           | -12.48          | AV       | 7.00           | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.400        | 38.71            | -18.59      | 74.0           | -35.29          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 1** | 1064.400        | 31.35            | -18.59      | 54.0           | -22.65          | AV       | 199.00         | 150         | Vertical | Pass    |
| 2   | 1332.100        | 40.03            | -17.74      | 74.0           | -33.97          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1332.100        | 28.56            | -17.74      | 54.0           | -25.44          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3967.000        | 47.78            | -5.34       | 74.0           | -26.22          | Peak     | 148.00         | 150         | Vertical | Pass    |
| 3** | 3967.000        | 38.26            | -5.34       | 54.0           | -15.74          | AV       | 148.00         | 150         | Vertical | Pass    |
| 4   | 5497.800        | 98.37            | -2.81       | --             | -231.63         | Peak     | 330.00         | 150         | Vertical | N/A     |
| 4** | 5497.800        | 90.12            | -2.81       | --             | 90.12           | AV       | 330.00         | 150         | Vertical | N/A     |
| 5   | 7551.425        | 47.57            | -1.58       | 74.0           | -26.43          | Peak     | 112.00         | 150         | Vertical | Pass    |
| 5** | 7551.425        | 38.79            | -1.58       | 54.0           | -15.21          | AV       | 112.00         | 150         | Vertical | Pass    |
| 6   | 12213.526       | 50.89            | 2.58        | 74.0           | -23.11          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 6** | 12213.526       | 41.39            | 2.58        | 54.0           | -12.61          | AV       | 186.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1185.100        | 37.45            | -18.26      | 74.0           | -36.55          | Peak     | 85.00          | 150         | Horizontal | Pass    |
| 1** | 1185.100        | 27.73            | -18.26      | 54.0           | -26.27          | AV       | 85.00          | 150         | Horizontal | Pass    |
| 2   | 1571.900        | 38.69            | -17.58      | 74.0           | -35.31          | Peak     | 51.00          | 150         | Horizontal | Pass    |
| 2** | 1571.900        | 28.45            | -17.58      | 54.0           | -25.55          | AV       | 51.00          | 150         | Horizontal | Pass    |
| 3   | 4335.400        | 48.78            | -4.76       | 74.0           | -25.22          | Peak     | 247.00         | 150         | Horizontal | Pass    |
| 3** | 4335.400        | 39.41            | -4.76       | 54.0           | -14.59          | AV       | 247.00         | 150         | Horizontal | Pass    |
| 4   | 5578.800        | 108.64           | -3.16       | --             | -129.36         | Peak     | 238.00         | 150         | Horizontal | N/A     |
| 4** | 5578.800        | 100.47           | -3.16       | --             | 100.47          | AV       | 238.00         | 150         | Horizontal | N/A     |
| 5   | 7543.950        | 47.52            | -1.62       | 74.0           | -26.48          | Peak     | 68.00          | 150         | Horizontal | Pass    |
| 5** | 7543.950        | 39.06            | -1.62       | 54.0           | -14.94          | AV       | 68.00          | 150         | Horizontal | Pass    |
| 6   | 11673.312       | 50.45            | 2.46        | 74.0           | -23.55          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 11673.312       | 41.44            | 2.46        | 54.0           | -12.56          | AV       | 360.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.700        | 39.40            | -18.67      | 74.0           | -34.60          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 1** | 1066.700        | 30.07            | -18.67      | 54.0           | -23.93          | AV       | 210.00         | 150         | Vertical | Pass    |
| 2   | 1329.900        | 41.03            | -17.69      | 74.0           | -32.97          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1329.900        | 33.45            | -17.69      | 54.0           | -20.55          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3965.400        | 47.44            | -5.26       | 74.0           | -26.56          | Peak     | 341.00         | 150         | Vertical | Pass    |
| 3** | 3965.400        | 38.77            | -5.26       | 54.0           | -15.23          | AV       | 341.00         | 150         | Vertical | Pass    |
| 4   | 5581.800        | 96.50            | -3.25       | --             | -212.50         | Peak     | 309.00         | 150         | Vertical | N/A     |
| 4** | 5581.800        | 88.91            | -3.25       | --             | 88.91           | AV       | 309.00         | 150         | Vertical | N/A     |
| 5   | 7509.162        | 48.00            | -1.85       | 74.0           | -26.00          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 5** | 7509.162        | 38.34            | -1.85       | 54.0           | -15.66          | AV       | 200.00         | 150         | Vertical | Pass    |
| 6   | 11816.487       | 50.31            | 0.96        | 74.0           | -23.69          | Peak     | 231.00         | 150         | Vertical | Pass    |
| 6** | 11816.487       | 41.07            | 0.96        | 54.0           | -12.93          | AV       | 231.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1203.200        | 37.30            | -18.12      | 74.0           | -36.70          | Peak     | 39.00          | 150         | Horizontal | Pass    |
| 1** | 1203.200        | 27.91            | -18.12      | 54.0           | -26.09          | AV       | 39.00          | 150         | Horizontal | Pass    |
| 2   | 1547.800        | 39.17            | -17.73      | 74.0           | -34.83          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 2** | 1547.800        | 28.37            | -17.73      | 54.0           | -25.63          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 3   | 4157.200        | 48.11            | -5.11       | 74.0           | -25.89          | Peak     | 308.00         | 150         | Horizontal | Pass    |
| 3** | 4157.200        | 38.09            | -5.11       | 54.0           | -15.91          | AV       | 308.00         | 150         | Horizontal | Pass    |
| 4   | 5698.200        | 107.76           | -3.93       | --             | -137.24         | Peak     | 245.00         | 150         | Horizontal | N/A     |
| 4** | 5698.200        | 99.70            | -3.93       | --             | 99.70           | AV       | 245.00         | 150         | Horizontal | N/A     |
| 5   | 7569.538        | 47.90            | -2.04       | 74.0           | -26.10          | Peak     | 151.00         | 150         | Horizontal | Pass    |
| 5** | 7569.538        | 38.54            | -2.04       | 54.0           | -15.46          | AV       | 151.00         | 150         | Horizontal | Pass    |
| 6   | 12135.326       | 50.53            | 1.76        | 74.0           | -23.47          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 6** | 12135.326       | 40.79            | 1.76        | 54.0           | -13.21          | AV       | 283.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.700        | 38.97            | -18.64      | 74.0           | -35.03          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 1** | 1062.700        | 27.91            | -18.64      | 54.0           | -26.09          | AV       | 211.00         | 150         | Vertical | Pass    |
| 2   | 1510.000        | 38.28            | -17.80      | 74.0           | -35.72          | Peak     | 75.00          | 150         | Vertical | Pass    |
| 2** | 1510.000        | 28.64            | -17.80      | 54.0           | -25.36          | AV       | 75.00          | 150         | Vertical | Pass    |
| 3   | 3957.400        | 47.85            | -5.79       | 74.0           | -26.15          | Peak     | 26.00          | 150         | Vertical | Pass    |
| 3** | 3957.400        | 39.25            | -5.79       | 54.0           | -14.75          | AV       | 26.00          | 150         | Vertical | Pass    |
| 4   | 5697.600        | 97.09            | -3.93       | --             | -211.91         | Peak     | 309.00         | 150         | Vertical | N/A     |
| 4** | 5697.600        | 89.71            | -3.93       | --             | 89.71           | AV       | 309.00         | 150         | Vertical | N/A     |
| 5   | 7551.425        | 47.92            | -1.58       | 74.0           | -26.08          | Peak     | 50.00          | 150         | Vertical | Pass    |
| 5** | 7551.425        | 38.46            | -1.58       | 54.0           | -15.54          | AV       | 50.00          | 150         | Vertical | Pass    |
| 6   | 12165.512       | 50.53            | 2.09        | 74.0           | -23.47          | Peak     | 337.00         | 150         | Vertical | Pass    |
| 6** | 12165.512       | 40.66            | 2.09        | 54.0           | -13.34          | AV       | 337.00         | 150         | Vertical | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, 144 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   | 1144.500        | 37.38            | -18.38      | 74.0           | -36.62          | Peak     | 171.00         | 150         | Horizontal | Pass    |
| 1** | 1144.500        | 27.83            | -18.38      | 54.0           | -26.17          | AV       | 171.00         | 150         | Horizontal | Pass    |
| 2   | 1525.800        | 38.15            | -17.75      | 74.0           | -35.85          | Peak     | 162.00         | 150         | Horizontal | Pass    |
| 2** | 1525.800        | 29.16            | -17.75      | 54.0           | -24.84          | AV       | 162.00         | 150         | Horizontal | Pass    |
| 3   | 3965.800        | 48.01            | -5.28       | 74.0           | -25.99          | Peak     | 85.00          | 150         | Horizontal | Pass    |
| 3** | 3965.800        | 38.65            | -5.28       | 54.0           | -15.35          | AV       | 85.00          | 150         | Horizontal | Pass    |
| 4   | 5721.800        | 107.47           | -3.67       | --             | -148.53         | Peak     | 256.00         | 150         | Horizontal | N/A     |
| 4** | 5721.800        | 99.78            | -3.67       | --             | 99.78           | AV       | 256.00         | 150         | Horizontal | N/A     |
| 5   | 7456.550        | 47.39            | -2.19       | 74.0           | -26.61          | Peak     | 327.00         | 150         | Horizontal | Pass    |
| 5** | 7456.550        | 37.90            | -2.19       | 54.0           | -16.10          | AV       | 327.00         | 150         | Horizontal | Pass    |
| 6   | 12211.800       | 50.63            | 2.58        | 74.0           | -23.37          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 6** | 12211.800       | 41.64            | 2.58        | 54.0           | -12.36          | AV       | 131.00         | 150         | Horizontal | Pass    |

## 11a, U-NII-2C, 1 GHz to 18 GHz, 144 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   | 1066.800        | 40.40            | -18.67      | 74.0           | -33.60          | Peak     | 226.00         | 150         | Vertical | Pass    |
| 1** | 1066.800        | 32.75            | -18.67      | 54.0           | -21.25          | AV       | 226.00         | 150         | Vertical | Pass    |
| 2   | 1329.500        | 40.06            | -17.68      | 74.0           | -33.94          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1329.500        | 31.01            | -17.68      | 54.0           | -22.99          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4230.400        | 48.41            | -4.98       | 74.0           | -25.59          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4230.400        | 39.38            | -4.98       | 54.0           | -14.62          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5718.800        | 98.99            | -3.75       | --             | -236.01         | Peak     | 335.00         | 150         | Vertical | N/A     |
| 4** | 5718.800        | 91.81            | -3.75       | --             | 91.81           | AV       | 335.00         | 150         | Vertical | N/A     |
| 5   | 7535.037        | 47.50            | -1.75       | 74.0           | -26.50          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 5** | 7535.037        | 37.83            | -1.75       | 54.0           | -16.17          | AV       | 292.00         | 150         | Vertical | Pass    |
| 6   | 11629.325       | 50.53            | 2.33        | 74.0           | -23.47          | Peak     | 261.00         | 150         | Vertical | Pass    |
| 6** | 11629.325       | 40.69            | 2.33        | 54.0           | -13.31          | AV       | 261.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1206.700        | 37.75            | -18.21      | 74.0           | -36.25          | Peak     | 122.00         | 150         | Horizontal | Pass    |
| 1** | 1206.700        | 28.27            | -18.21      | 54.0           | -25.73          | AV       | 122.00         | 150         | Horizontal | Pass    |
| 2   | 1536.500        | 38.09            | -17.65      | 74.0           | -35.91          | Peak     | 226.00         | 150         | Horizontal | Pass    |
| 2** | 1536.500        | 28.59            | -17.65      | 54.0           | -25.41          | AV       | 226.00         | 150         | Horizontal | Pass    |
| 3   | 4239.800        | 49.04            | -5.08       | 74.0           | -24.96          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4239.800        | 39.75            | -5.08       | 54.0           | -14.25          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5499.000        | 108.89           | -2.82       | --             | -225.11         | Peak     | 334.00         | 150         | Horizontal | N/A     |
| 4** | 5499.000        | 101.00           | -2.82       | --             | 101.00          | AV       | 334.00         | 150         | Horizontal | N/A     |
| 5   | 7548.550        | 48.03            | -1.59       | 74.0           | -25.97          | Peak     | 48.00          | 150         | Horizontal | Pass    |
| 5** | 7548.550        | 39.72            | -1.59       | 54.0           | -14.28          | AV       | 48.00          | 150         | Horizontal | Pass    |
| 6   | 12239.400       | 50.97            | 2.64        | 74.0           | -23.03          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 6** | 12239.400       | 41.50            | 2.64        | 54.0           | -12.50          | AV       | 131.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.900        | 38.68            | -18.60      | 74.0           | -35.32          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 1** | 1063.900        | 31.61            | -18.60      | 54.0           | -22.39          | AV       | 220.00         | 150         | Vertical | Pass    |
| 2   | 1332.800        | 40.20            | -17.75      | 74.0           | -33.80          | Peak     | 356.00         | 150         | Vertical | Pass    |
| 2** | 1332.800        | 29.27            | -17.75      | 54.0           | -24.73          | AV       | 356.00         | 150         | Vertical | Pass    |
| 3   | 4207.200        | 47.93            | -5.10       | 74.0           | -26.07          | Peak     | 11.00          | 150         | Vertical | Pass    |
| 3** | 4207.200        | 39.16            | -5.10       | 54.0           | -14.84          | AV       | 11.00          | 150         | Vertical | Pass    |
| 4   | 5498.400        | 97.27            | -2.82       | --             | -236.73         | Peak     | 334.00         | 150         | Vertical | N/A     |
| 4** | 5498.400        | 90.66            | -2.82       | --             | 90.66           | AV       | 334.00         | 150         | Vertical | N/A     |
| 5   | 7475.525        | 48.03            | -1.95       | 74.0           | -25.97          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 5** | 7475.525        | 37.72            | -1.95       | 54.0           | -16.28          | AV       | 182.00         | 150         | Vertical | Pass    |
| 6   | 11708.387       | 50.32            | 2.18        | 74.0           | -23.68          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 6** | 11708.387       | 41.32            | 2.18        | 54.0           | -12.68          | AV       | 78.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.300        | 37.89            | -18.60      | 74.0           | -36.11          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 1** | 1065.300        | 30.27            | -18.60      | 54.0           | -23.73          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 2   | 1455.400        | 38.96            | -17.62      | 74.0           | -35.04          | Peak     | 249.00         | 150         | Horizontal | Pass    |
| 2** | 1455.400        | 29.83            | -17.62      | 54.0           | -24.17          | AV       | 249.00         | 150         | Horizontal | Pass    |
| 3   | 3946.000        | 48.15            | -6.22       | 74.0           | -25.85          | Peak     | 43.00          | 150         | Horizontal | Pass    |
| 3** | 3946.000        | 37.59            | -6.22       | 54.0           | -16.41          | AV       | 43.00          | 150         | Horizontal | Pass    |
| 4   | 5578.600        | 108.55           | -3.15       | --             | -130.45         | Peak     | 239.00         | 150         | Horizontal | N/A     |
| 4** | 5578.600        | 101.88           | -3.15       | --             | 101.88          | AV       | 239.00         | 150         | Horizontal | N/A     |
| 5   | 7409.688        | 47.37            | -1.76       | 74.0           | -26.63          | Peak     | 313.00         | 150         | Horizontal | Pass    |
| 5** | 7409.688        | 38.18            | -1.76       | 54.0           | -15.82          | AV       | 313.00         | 150         | Horizontal | Pass    |
| 6   | 12208.062       | 51.18            | 2.57        | 74.0           | -22.82          | Peak     | 150.00         | 150         | Horizontal | Pass    |
| 6** | 12208.062       | 41.23            | 2.57        | 54.0           | -12.77          | AV       | 150.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.300        | 41.49            | -18.62      | 74.0           | -32.51          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 1** | 1063.300        | 34.90            | -18.62      | 54.0           | -19.10          | AV       | 219.00         | 150         | Vertical | Pass    |
| 2   | 1332.300        | 40.08            | -17.74      | 74.0           | -33.92          | Peak     | 362.00         | 150         | Vertical | Pass    |
| 2** | 1332.300        | 29.37            | -17.74      | 54.0           | -24.63          | AV       | 362.00         | 150         | Vertical | Pass    |
| 3   | 3785.200        | 47.85            | -5.53       | 74.0           | -26.15          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 3** | 3785.200        | 37.72            | -5.53       | 54.0           | -16.28          | AV       | 216.00         | 150         | Vertical | Pass    |
| 4   | 5581.400        | 96.59            | -3.24       | --             | -236.41         | Peak     | 333.00         | 150         | Vertical | N/A     |
| 4** | 5581.400        | 89.39            | -3.24       | --             | 89.39           | AV       | 333.00         | 150         | Vertical | N/A     |
| 5   | 7493.350        | 47.35            | -1.86       | 74.0           | -26.65          | Peak     | 37.00          | 150         | Vertical | Pass    |
| 5** | 7493.350        | 38.99            | -1.86       | 54.0           | -15.01          | AV       | 37.00          | 150         | Vertical | Pass    |
| 6   | 11609.775       | 50.42            | 2.11        | 74.0           | -23.58          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 6** | 11609.775       | 41.38            | 2.11        | 54.0           | -12.62          | AV       | 1.00           | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1115.100        | 36.69            | -18.50      | 74.0           | -37.31          | Peak     | 154.00         | 150         | Horizontal | Pass    |
| 1** | 1115.100        | 26.66            | -18.50      | 54.0           | -27.34          | AV       | 154.00         | 150         | Horizontal | Pass    |
| 2   | 1523.100        | 37.45            | -17.67      | 74.0           | -36.55          | Peak     | 161.00         | 150         | Horizontal | Pass    |
| 2** | 1523.100        | 28.49            | -17.67      | 54.0           | -25.51          | AV       | 161.00         | 150         | Horizontal | Pass    |
| 3   | 4180.400        | 48.26            | -5.01       | 74.0           | -25.74          | Peak     | 71.00          | 150         | Horizontal | Pass    |
| 3** | 4180.400        | 38.93            | -5.01       | 54.0           | -15.07          | AV       | 71.00          | 150         | Horizontal | Pass    |
| 4   | 5701.200        | 107.95           | -3.90       | --             | -120.05         | Peak     | 228.00         | 150         | Horizontal | N/A     |
| 4** | 5701.200        | 100.63           | -3.90       | --             | 100.63          | AV       | 228.00         | 150         | Horizontal | N/A     |
| 5   | 7493.925        | 47.88            | -1.86       | 74.0           | -26.12          | Peak     | 27.00          | 150         | Horizontal | Pass    |
| 5** | 7493.925        | 38.49            | -1.86       | 54.0           | -15.51          | AV       | 27.00          | 150         | Horizontal | Pass    |
| 6   | 12229.913       | 50.92            | 2.62        | 74.0           | -23.08          | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 6** | 12229.913       | 41.63            | 2.62        | 54.0           | -12.37          | AV       | 201.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1061.800        | 38.94            | -18.64      | 74.0           | -35.06          | Peak     | 202.00         | 150         | Vertical | Pass    |
| 1** | 1061.800        | 30.88            | -18.64      | 54.0           | -23.12          | AV       | 202.00         | 150         | Vertical | Pass    |
| 2   | 1331.200        | 40.99            | -17.72      | 74.0           | -33.01          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 2** | 1331.200        | 29.31            | -17.72      | 54.0           | -24.69          | AV       | 357.00         | 150         | Vertical | Pass    |
| 3   | 4286.800        | 49.42            | -4.74       | 74.0           | -24.58          | Peak     | 155.00         | 150         | Vertical | Pass    |
| 3** | 4286.800        | 39.24            | -4.74       | 54.0           | -14.76          | AV       | 155.00         | 150         | Vertical | Pass    |
| 4   | 5698.000        | 96.75            | -3.93       | --             | -233.25         | Peak     | 330.00         | 150         | Vertical | N/A     |
| 4** | 5698.000        | 90.40            | -3.93       | --             | 90.40           | AV       | 330.00         | 150         | Vertical | N/A     |
| 5   | 7516.350        | 47.77            | -1.66       | 74.0           | -26.23          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 5** | 7516.350        | 38.44            | -1.66       | 54.0           | -15.56          | AV       | 221.00         | 150         | Vertical | Pass    |
| 6   | 11687.113       | 50.89            | 2.41        | 74.0           | -23.11          | Peak     | 58.00          | 150         | Vertical | Pass    |
| 6** | 11687.113       | 40.74            | 2.41        | 54.0           | -13.26          | AV       | 58.00          | 150         | Vertical | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, 144 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   | 1130.400        | 37.06            | -18.34      | 74.0           | -36.94          | Peak     | 304.00         | 150         | Horizontal | Pass    |
| 1** | 1130.400        | 27.32            | -18.34      | 54.0           | -26.68          | AV       | 304.00         | 150         | Horizontal | Pass    |
| 2   | 1564.900        | 38.93            | -17.63      | 74.0           | -35.07          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 1564.900        | 28.71            | -17.63      | 54.0           | -25.29          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 4276.400        | 48.38            | -4.76       | 74.0           | -25.62          | Peak     | 94.00          | 150         | Horizontal | Pass    |
| 3** | 4276.400        | 39.27            | -4.76       | 54.0           | -14.73          | AV       | 94.00          | 150         | Horizontal | Pass    |
| 4   | 5721.200        | 107.38           | -3.69       | --             | -137.62         | Peak     | 245.00         | 150         | Horizontal | N/A     |
| 4** | 5721.200        | 100.08           | -3.69       | --             | 100.08          | AV       | 245.00         | 150         | Horizontal | N/A     |
| 5   | 7541.362        | 47.56            | -1.65       | 74.0           | -26.44          | Peak     | 210.00         | 150         | Horizontal | Pass    |
| 5** | 7541.362        | 39.36            | -1.65       | 54.0           | -14.64          | AV       | 210.00         | 150         | Horizontal | Pass    |
| 6   | 11307.612       | 50.63            | 0.10        | 74.0           | -23.37          | Peak     | 312.00         | 150         | Horizontal | Pass    |
| 6** | 11307.612       | 40.09            | 0.10        | 54.0           | -13.91          | AV       | 312.00         | 150         | Horizontal | Pass    |

## 11n20, U-NII-2C, 1 GHz to 18 GHz, 144 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   | 1062.200        | 39.43            | -18.64      | 74.0           | -34.57          | Peak     | 222.00         | 150         | Vertical | Pass    |
| 1** | 1062.200        | 31.28            | -18.64      | 54.0           | -22.72          | AV       | 222.00         | 150         | Vertical | Pass    |
| 2   | 1333.600        | 39.74            | -17.75      | 74.0           | -34.26          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1333.600        | 30.73            | -17.75      | 54.0           | -23.27          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4263.800        | 48.50            | -4.81       | 74.0           | -25.50          | Peak     | 91.00          | 150         | Vertical | Pass    |
| 3** | 4263.800        | 39.44            | -4.81       | 54.0           | -14.56          | AV       | 91.00          | 150         | Vertical | Pass    |
| 4   | 5718.800        | 97.97            | -3.75       | --             | -236.03         | Peak     | 334.00         | 150         | Vertical | N/A     |
| 4** | 5718.800        | 90.12            | -3.75       | --             | 90.12           | AV       | 334.00         | 150         | Vertical | N/A     |
| 5   | 7440.737        | 48.66            | -2.35       | 74.0           | -25.34          | Peak     | 37.00          | 150         | Vertical | Pass    |
| 5** | 7440.737        | 39.92            | -2.35       | 54.0           | -14.08          | AV       | 37.00          | 150         | Vertical | Pass    |
| 6   | 12205.475       | 50.88            | 2.57        | 74.0           | -23.12          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 6** | 12205.475       | 41.58            | 2.57        | 54.0           | -12.42          | AV       | 211.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1205.400        | 38.05            | -18.18      | 74.0           | -35.95          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 1** | 1205.400        | 27.74            | -18.18      | 54.0           | -26.26          | AV       | 79.00          | 150         | Horizontal | Pass    |
| 2   | 1538.100        | 38.31            | -17.72      | 74.0           | -35.69          | Peak     | 197.00         | 150         | Horizontal | Pass    |
| 2** | 1538.100        | 29.06            | -17.72      | 54.0           | -24.94          | AV       | 197.00         | 150         | Horizontal | Pass    |
| 3   | 4022.400        | 47.98            | -5.63       | 74.0           | -26.02          | Peak     | 94.00          | 150         | Horizontal | Pass    |
| 3** | 4022.400        | 37.72            | -5.63       | 54.0           | -16.28          | AV       | 94.00          | 150         | Horizontal | Pass    |
| 4   | 5513.400        | 105.23           | -2.96       | --             | -145.77         | Peak     | 251.00         | 150         | Horizontal | N/A     |
| 4** | 5513.400        | 97.32            | -2.96       | --             | 97.32           | AV       | 251.00         | 150         | Horizontal | N/A     |
| 5   | 7417.163        | 47.68            | -2.02       | 74.0           | -26.32          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 5** | 7417.163        | 38.18            | -2.02       | 54.0           | -15.82          | AV       | 58.00          | 150         | Horizontal | Pass    |
| 6   | 10830.650       | 49.95            | 0.22        | 74.0           | -24.05          | Peak     | 255.00         | 150         | Horizontal | Pass    |
| 6** | 10830.650       | 41.17            | 0.22        | 54.0           | -12.83          | AV       | 255.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.900        | 39.40            | -18.58      | 74.0           | -34.60          | Peak     | 188.00         | 150         | Vertical | Pass    |
| 1** | 1064.900        | 29.31            | -18.58      | 54.0           | -24.69          | AV       | 188.00         | 150         | Vertical | Pass    |
| 2   | 1328.200        | 39.47            | -17.65      | 74.0           | -34.53          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1328.200        | 32.18            | -17.65      | 54.0           | -21.82          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4292.800        | 48.35            | -4.76       | 74.0           | -25.65          | Peak     | 190.00         | 150         | Vertical | Pass    |
| 3** | 4292.800        | 39.74            | -4.76       | 54.0           | -14.26          | AV       | 190.00         | 150         | Vertical | Pass    |
| 4   | 5506.400        | 93.95            | -2.96       | --             | -239.05         | Peak     | 333.00         | 150         | Vertical | N/A     |
| 4** | 5506.400        | 86.39            | -2.96       | --             | 86.39           | AV       | 333.00         | 150         | Vertical | N/A     |
| 5   | 7520.375        | 47.87            | -1.59       | 74.0           | -26.13          | Peak     | 80.00          | 150         | Vertical | Pass    |
| 5** | 7520.375        | 38.06            | -1.59       | 54.0           | -15.94          | AV       | 80.00          | 150         | Vertical | Pass    |
| 6   | 12382.000       | 50.77            | 1.86        | 74.0           | -23.23          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 6** | 12382.000       | 40.78            | 1.86        | 54.0           | -13.22          | AV       | 38.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1203.300        | 37.86            | -18.12      | 74.0           | -36.14          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 1** | 1203.300        | 27.83            | -18.12      | 54.0           | -26.17          | AV       | 33.00          | 150         | Horizontal | Pass    |
| 2   | 1502.700        | 37.72            | -17.71      | 74.0           | -36.28          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 2** | 1502.700        | 29.34            | -17.71      | 54.0           | -24.66          | AV       | 225.00         | 150         | Horizontal | Pass    |
| 3   | 4035.400        | 47.76            | -5.34       | 74.0           | -26.24          | Peak     | 69.00          | 150         | Horizontal | Pass    |
| 3** | 4035.400        | 37.91            | -5.34       | 54.0           | -16.09          | AV       | 69.00          | 150         | Horizontal | Pass    |
| 4   | 5586.400        | 104.44           | -3.22       | --             | -137.56         | Peak     | 242.00         | 150         | Horizontal | N/A     |
| 4** | 5586.400        | 96.52            | -3.22       | --             | 96.52           | AV       | 242.00         | 150         | Horizontal | N/A     |
| 5   | 7541.075        | 48.82            | -1.65       | 74.0           | -25.18          | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 5** | 7541.075        | 39.21            | -1.65       | 54.0           | -14.79          | AV       | 268.00         | 150         | Horizontal | Pass    |
| 6   | 11649.162       | 51.07            | 2.55        | 74.0           | -22.93          | Peak     | 142.00         | 150         | Horizontal | Pass    |
| 6** | 11649.162       | 41.36            | 2.55        | 54.0           | -12.64          | AV       | 142.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.800        | 40.74            | -18.63      | 74.0           | -33.26          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 1** | 1065.800        | 34.69            | -18.63      | 54.0           | -19.31          | AV       | 216.00         | 150         | Vertical | Pass    |
| 2   | 1332.900        | 39.65            | -17.75      | 74.0           | -34.35          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 2** | 1332.900        | 32.84            | -17.75      | 54.0           | -21.16          | AV       | 1.00           | 150         | Vertical | Pass    |
| 3   | 3999.000        | 47.95            | -5.62       | 74.0           | -26.05          | Peak     | 41.00          | 150         | Vertical | Pass    |
| 3** | 3999.000        | 38.74            | -5.62       | 54.0           | -15.26          | AV       | 41.00          | 150         | Vertical | Pass    |
| 4   | 5591.800        | 93.57            | -3.26       | --             | 7.57            | Peak     | 86.00          | 150         | Vertical | N/A     |
| 4** | 5591.800        | 86.10            | -3.26       | --             | 86.10           | AV       | 86.00          | 150         | Vertical | N/A     |
| 5   | 7472.650        | 47.92            | -2.00       | 74.0           | -26.08          | Peak     | 89.00          | 150         | Vertical | Pass    |
| 5** | 7472.650        | 38.04            | -2.00       | 54.0           | -15.96          | AV       | 89.00          | 150         | Vertical | Pass    |
| 6   | 12301.213       | 50.75            | 2.29        | 74.0           | -23.25          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 12301.213       | 41.49            | 2.29        | 54.0           | -12.51          | AV       | 0.00           | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1202.100        | 38.15            | -18.12      | 74.0           | -35.85          | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 1** | 1202.100        | 28.16            | -18.12      | 54.0           | -25.84          | AV       | 201.00         | 150         | Horizontal | Pass    |
| 2   | 1494.600        | 38.06            | -17.78      | 74.0           | -35.94          | Peak     | 118.00         | 150         | Horizontal | Pass    |
| 2** | 1494.600        | 28.23            | -17.78      | 54.0           | -25.77          | AV       | 118.00         | 150         | Horizontal | Pass    |
| 3   | 4253.800        | 48.57            | -4.71       | 74.0           | -25.43          | Peak     | 334.00         | 150         | Horizontal | Pass    |
| 3** | 4253.800        | 38.90            | -4.71       | 54.0           | -15.10          | AV       | 334.00         | 150         | Horizontal | Pass    |
| 4   | 5672.800        | 103.90           | -3.72       | --             | -140.10         | Peak     | 244.00         | 150         | Horizontal | N/A     |
| 4** | 5672.800        | 95.89            | -3.72       | --             | 95.89           | AV       | 244.00         | 150         | Horizontal | N/A     |
| 5   | 7533.887        | 47.25            | -1.72       | 74.0           | -26.75          | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 5** | 7533.887        | 38.60            | -1.72       | 54.0           | -15.40          | AV       | 135.00         | 150         | Horizontal | Pass    |
| 6   | 11696.026       | 49.95            | 2.34        | 74.0           | -24.05          | Peak     | 103.00         | 150         | Horizontal | Pass    |
| 6** | 11696.026       | 40.91            | 2.34        | 54.0           | -13.09          | AV       | 103.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.100        | 38.14            | -18.64      | 74.0           | -35.86          | Peak     | 299.00         | 150         | Vertical | Pass    |
| 1** | 1066.100        | 28.38            | -18.64      | 54.0           | -25.62          | AV       | 299.00         | 150         | Vertical | Pass    |
| 2   | 1331.500        | 39.66            | -17.73      | 74.0           | -34.34          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1331.500        | 29.68            | -17.73      | 54.0           | -24.32          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4091.200        | 48.36            | -5.06       | 74.0           | -25.64          | Peak     | 123.00         | 150         | Vertical | Pass    |
| 3** | 4091.200        | 37.68            | -5.06       | 54.0           | -16.32          | AV       | 123.00         | 150         | Vertical | Pass    |
| 4   | 5672.600        | 94.12            | -3.72       | --             | 4.12            | Peak     | 90.00          | 150         | Vertical | N/A     |
| 4** | 5672.600        | 86.25            | -3.72       | --             | 86.25           | AV       | 90.00          | 150         | Vertical | N/A     |
| 5   | 7504.563        | 48.03            | -1.87       | 74.0           | -25.97          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 5** | 7504.563        | 39.03            | -1.87       | 54.0           | -14.97          | AV       | 287.00         | 150         | Vertical | Pass    |
| 6   | 11707.813       | 50.44            | 2.18        | 74.0           | -23.56          | Peak     | 19.00          | 150         | Vertical | Pass    |
| 6** | 11707.813       | 41.14            | 2.18        | 54.0           | -12.86          | AV       | 19.00          | 150         | Vertical | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, 142 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   | 1204.800        | 38.27            | -18.17      | 74.0           | -35.73          | Peak     | 40.00          | 150         | Horizontal | Pass    |
| 1** | 1204.800        | 26.98            | -18.17      | 54.0           | -27.02          | AV       | 40.00          | 150         | Horizontal | Pass    |
| 2   | 1525.100        | 37.81            | -17.72      | 74.0           | -36.19          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 2** | 1525.100        | 29.25            | -17.72      | 54.0           | -24.75          | AV       | 119.00         | 150         | Horizontal | Pass    |
| 3   | 3971.400        | 47.94            | -5.31       | 74.0           | -26.06          | Peak     | 112.00         | 150         | Horizontal | Pass    |
| 3** | 3971.400        | 38.17            | -5.31       | 54.0           | -15.83          | AV       | 112.00         | 150         | Horizontal | Pass    |
| 4   | 5703.200        | 103.70           | -3.88       | --             | -228.30         | Peak     | 332.00         | 150         | Horizontal | N/A     |
| 4** | 5703.200        | 95.21            | -3.88       | --             | 95.21           | AV       | 332.00         | 150         | Horizontal | N/A     |
| 5   | 7572.412        | 48.13            | -2.08       | 74.0           | -25.87          | Peak     | 118.00         | 150         | Horizontal | Pass    |
| 5** | 7572.412        | 38.61            | -2.08       | 54.0           | -15.39          | AV       | 118.00         | 150         | Horizontal | Pass    |
| 6   | 11643.125       | 50.53            | 2.48        | 74.0           | -23.47          | Peak     | 245.00         | 150         | Horizontal | Pass    |
| 6** | 11643.125       | 41.11            | 2.48        | 54.0           | -12.89          | AV       | 245.00         | 150         | Horizontal | Pass    |

## 11n40, U-NII-2C, 1 GHz to 18 GHz, 142 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   | 1065.500        | 39.61            | -18.61      | 74.0           | -34.39          | Peak     | 214.00         | 150         | Vertical | Pass    |
| 1** | 1065.500        | 29.62            | -18.61      | 54.0           | -24.38          | AV       | 214.00         | 150         | Vertical | Pass    |
| 2   | 1332.300        | 41.01            | -17.74      | 74.0           | -32.99          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1332.300        | 32.10            | -17.74      | 54.0           | -21.90          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4155.600        | 48.17            | -5.12       | 74.0           | -25.83          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4155.600        | 38.42            | -5.12       | 54.0           | -15.58          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5712.400        | 94.45            | -3.77       | --             | 3.45            | Peak     | 91.00          | 150         | Vertical | N/A     |
| 4** | 5712.400        | 87.70            | -3.77       | --             | 87.70           | AV       | 91.00          | 150         | Vertical | N/A     |
| 5   | 7551.712        | 47.74            | -1.57       | 74.0           | -26.26          | Peak     | 169.00         | 150         | Vertical | Pass    |
| 5** | 7551.712        | 38.94            | -1.57       | 54.0           | -15.06          | AV       | 169.00         | 150         | Vertical | Pass    |
| 6   | 11720.175       | 50.93            | 2.00        | 74.0           | -23.07          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 6** | 11720.175       | 41.09            | 2.00        | 54.0           | -12.91          | AV       | 263.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.100        | 36.44            | -18.60      | 74.0           | -37.56          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 1** | 1064.100        | 27.74            | -18.60      | 54.0           | -26.26          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 2   | 1468.000        | 38.34            | -17.68      | 74.0           | -35.66          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 2** | 1468.000        | 28.88            | -17.68      | 54.0           | -25.12          | AV       | 190.00         | 150         | Horizontal | Pass    |
| 3   | 4308.600        | 48.72            | -5.02       | 74.0           | -25.28          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4308.600        | 39.13            | -5.02       | 54.0           | -14.87          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5497.600        | 107.67           | -2.80       | --             | -149.33         | Peak     | 257.00         | 150         | Horizontal | N/A     |
| 4** | 5497.600        | 100.15           | -2.80       | --             | 100.15          | AV       | 257.00         | 150         | Horizontal | N/A     |
| 5   | 7556.025        | 47.39            | -1.63       | 74.0           | -26.61          | Peak     | 193.00         | 150         | Horizontal | Pass    |
| 5** | 7556.025        | 39.36            | -1.63       | 54.0           | -14.64          | AV       | 193.00         | 150         | Horizontal | Pass    |
| 6   | 11695.450       | 49.98            | 2.34        | 74.0           | -24.02          | Peak     | 303.00         | 150         | Horizontal | Pass    |
| 6** | 11695.450       | 40.51            | 2.34        | 54.0           | -13.49          | AV       | 303.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.500        | 38.12            | -18.58      | 74.0           | -35.88          | Peak     | 224.00         | 150         | Vertical | Pass    |
| 1** | 1064.500        | 27.39            | -18.58      | 54.0           | -26.61          | AV       | 224.00         | 150         | Vertical | Pass    |
| 2   | 1332.100        | 39.61            | -17.74      | 74.0           | -34.39          | Peak     | 10.00          | 150         | Vertical | Pass    |
| 2** | 1332.100        | 32.00            | -17.74      | 54.0           | -22.00          | AV       | 10.00          | 150         | Vertical | Pass    |
| 3   | 4171.600        | 47.99            | -4.90       | 74.0           | -26.01          | Peak     | 157.00         | 150         | Vertical | Pass    |
| 3** | 4171.600        | 38.50            | -4.90       | 54.0           | -15.50          | AV       | 157.00         | 150         | Vertical | Pass    |
| 4   | 5501.800        | 96.37            | -2.87       | --             | -232.63         | Peak     | 329.00         | 150         | Vertical | N/A     |
| 4** | 5501.800        | 90.71            | -2.87       | --             | 90.71           | AV       | 329.00         | 150         | Vertical | N/A     |
| 5   | 7521.238        | 47.98            | -1.60       | 74.0           | -26.02          | Peak     | 85.00          | 150         | Vertical | Pass    |
| 5** | 7521.238        | 39.28            | -1.60       | 54.0           | -14.72          | AV       | 85.00          | 150         | Vertical | Pass    |
| 6   | 12392.350       | 51.48            | 1.81        | 74.0           | -22.52          | Peak     | 85.00          | 150         | Vertical | Pass    |
| 6** | 12392.350       | 41.78            | 1.81        | 54.0           | -12.22          | AV       | 85.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1184.600        | 37.24            | -18.26      | 74.0           | -36.76          | Peak     | 81.00          | 150         | Horizontal | Pass    |
| 1** | 1184.600        | 29.14            | -18.26      | 54.0           | -24.86          | AV       | 81.00          | 150         | Horizontal | Pass    |
| 2   | 1560.600        | 38.38            | -17.63      | 74.0           | -35.62          | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 2** | 1560.600        | 28.80            | -17.63      | 54.0           | -25.20          | AV       | 64.00          | 150         | Horizontal | Pass    |
| 3   | 3907.400        | 48.51            | -6.04       | 74.0           | -25.49          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 3** | 3907.400        | 38.19            | -6.04       | 54.0           | -15.81          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 4   | 5580.800        | 107.52           | -3.23       | --             | -139.48         | Peak     | 247.00         | 150         | Horizontal | N/A     |
| 4** | 5580.800        | 99.37            | -3.23       | --             | 99.37           | AV       | 247.00         | 150         | Horizontal | N/A     |
| 5   | 7528.712        | 47.74            | -1.65       | 74.0           | -26.26          | Peak     | 104.00         | 150         | Horizontal | Pass    |
| 5** | 7528.712        | 38.38            | -1.65       | 54.0           | -15.62          | AV       | 104.00         | 150         | Horizontal | Pass    |
| 6   | 12251.475       | 50.56            | 2.65        | 74.0           | -23.44          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 12251.475       | 41.85            | 2.65        | 54.0           | -12.15          | AV       | 360.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.200        | 39.21            | -18.65      | 74.0           | -34.79          | Peak     | 222.00         | 150         | Vertical | Pass    |
| 1** | 1066.200        | 31.30            | -18.65      | 54.0           | -22.70          | AV       | 222.00         | 150         | Vertical | Pass    |
| 2   | 1330.500        | 39.56            | -17.71      | 74.0           | -34.44          | Peak     | 362.00         | 150         | Vertical | Pass    |
| 2** | 1330.500        | 29.16            | -17.71      | 54.0           | -24.84          | AV       | 362.00         | 150         | Vertical | Pass    |
| 3   | 4063.800        | 47.77            | -5.41       | 74.0           | -26.23          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4063.800        | 38.31            | -5.41       | 54.0           | -15.69          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5579.000        | 97.02            | -3.17       | --             | -205.98         | Peak     | 303.00         | 150         | Vertical | N/A     |
| 4** | 5579.000        | 89.53            | -3.17       | --             | 89.53           | AV       | 303.00         | 150         | Vertical | N/A     |
| 5   | 7485.875        | 47.46            | -1.88       | 74.0           | -26.54          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 5** | 7485.875        | 38.33            | -1.88       | 54.0           | -15.67          | AV       | 1.00           | 150         | Vertical | Pass    |
| 6   | 12227.037       | 51.92            | 2.61        | 74.0           | -22.08          | Peak     | 35.00          | 150         | Vertical | Pass    |
| 6** | 12227.037       | 42.65            | 2.61        | 54.0           | -11.35          | AV       | 35.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1180.700        | 38.36            | -18.37      | 74.0           | -35.64          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 1** | 1180.700        | 27.52            | -18.37      | 54.0           | -26.48          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 2   | 1575.500        | 38.68            | -17.54      | 74.0           | -35.32          | Peak     | 145.00         | 150         | Horizontal | Pass    |
| 2** | 1575.500        | 28.54            | -17.54      | 54.0           | -25.46          | AV       | 145.00         | 150         | Horizontal | Pass    |
| 3   | 4236.200        | 48.60            | -5.16       | 74.0           | -25.40          | Peak     | 153.00         | 150         | Horizontal | Pass    |
| 3** | 4236.200        | 39.65            | -5.16       | 54.0           | -14.35          | AV       | 153.00         | 150         | Horizontal | Pass    |
| 4   | 5698.600        | 106.85           | -3.93       | --             | -219.15         | Peak     | 326.00         | 150         | Horizontal | N/A     |
| 4** | 5698.600        | 99.74            | -3.93       | --             | 99.74           | AV       | 326.00         | 150         | Horizontal | N/A     |
| 5   | 7526.700        | 48.08            | -1.59       | 74.0           | -25.92          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 5** | 7526.700        | 39.17            | -1.59       | 54.0           | -14.83          | AV       | 35.00          | 150         | Horizontal | Pass    |
| 6   | 11754.387       | 50.59            | 1.50        | 74.0           | -23.41          | Peak     | 105.00         | 150         | Horizontal | Pass    |
| 6** | 11754.387       | 41.96            | 1.50        | 54.0           | -12.04          | AV       | 105.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1061.700        | 40.46            | -18.64      | 74.0           | -33.54          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 1** | 1061.700        | 27.14            | -18.64      | 54.0           | -26.86          | AV       | 218.00         | 150         | Vertical | Pass    |
| 2   | 1330.500        | 40.76            | -17.71      | 74.0           | -33.24          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1330.500        | 32.98            | -17.71      | 54.0           | -21.02          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3751.200        | 46.89            | -6.74       | 74.0           | -27.11          | Peak     | 72.00          | 150         | Vertical | Pass    |
| 3** | 3751.200        | 37.24            | -6.74       | 54.0           | -16.76          | AV       | 72.00          | 150         | Vertical | Pass    |
| 4   | 5701.000        | 96.04            | -3.90       | --             | -224.96         | Peak     | 321.00         | 150         | Vertical | N/A     |
| 4** | 5701.000        | 88.72            | -3.90       | --             | 88.72           | AV       | 321.00         | 150         | Vertical | N/A     |
| 5   | 7541.362        | 47.96            | -1.65       | 74.0           | -26.04          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 5** | 7541.362        | 38.39            | -1.65       | 54.0           | -15.61          | AV       | 289.00         | 150         | Vertical | Pass    |
| 6   | 11631.625       | 50.66            | 2.35        | 74.0           | -23.34          | Peak     | 347.00         | 150         | Vertical | Pass    |
| 6** | 11631.625       | 40.83            | 2.35        | 54.0           | -13.17          | AV       | 347.00         | 150         | Vertical | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, 144 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   | 1194.800        | 38.06            | -18.19      | 74.0           | -35.94          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1194.800        | 27.82            | -18.19      | 54.0           | -26.18          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 1553.800        | 37.88            | -17.72      | 74.0           | -36.12          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 1553.800        | 28.60            | -17.72      | 54.0           | -25.40          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 3804.000        | 47.62            | -6.23       | 74.0           | -26.38          | Peak     | 243.00         | 150         | Horizontal | Pass    |
| 3** | 3804.000        | 37.78            | -6.23       | 54.0           | -16.22          | AV       | 243.00         | 150         | Horizontal | Pass    |
| 4   | 5718.600        | 107.34           | -3.76       | --             | -135.66         | Peak     | 243.00         | 150         | Horizontal | N/A     |
| 4** | 5718.600        | 99.72            | -3.76       | --             | 99.72           | AV       | 243.00         | 150         | Horizontal | N/A     |
| 5   | 7604.038        | 47.98            | -2.33       | 74.0           | -26.02          | Peak     | 115.00         | 150         | Horizontal | Pass    |
| 5** | 7604.038        | 38.23            | -2.33       | 54.0           | -15.77          | AV       | 115.00         | 150         | Horizontal | Pass    |
| 6   | 12209.212       | 51.67            | 2.58        | 74.0           | -22.33          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 12209.212       | 42.14            | 2.58        | 54.0           | -11.86          | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, U-NII-2C, 1 GHz to 18 GHz, 144 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   | 1063.300        | 39.90            | -18.62      | 74.0           | -34.10          | Peak     | 230.00         | 150         | Vertical | Pass    |
| 1** | 1063.300        | 31.24            | -18.62      | 54.0           | -22.76          | AV       | 230.00         | 150         | Vertical | Pass    |
| 2   | 1332.800        | 39.82            | -17.75      | 74.0           | -34.18          | Peak     | 12.00          | 150         | Vertical | Pass    |
| 2** | 1332.800        | 28.35            | -17.75      | 54.0           | -25.65          | AV       | 12.00          | 150         | Vertical | Pass    |
| 3   | 4166.200        | 48.08            | -4.95       | 74.0           | -25.92          | Peak     | 293.00         | 150         | Vertical | Pass    |
| 3** | 4166.200        | 38.02            | -4.95       | 54.0           | -15.98          | AV       | 293.00         | 150         | Vertical | Pass    |
| 4   | 5717.800        | 97.69            | -3.77       | --             | -238.31         | Peak     | 336.00         | 150         | Vertical | N/A     |
| 4** | 5717.800        | 89.67            | -3.77       | --             | 89.67           | AV       | 336.00         | 150         | Vertical | N/A     |
| 5   | 7556.888        | 48.37            | -1.66       | 74.0           | -25.63          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 7556.888        | 39.17            | -1.66       | 54.0           | -14.83          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 11618.688       | 50.25            | 2.21        | 74.0           | -23.75          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 11618.688       | 41.15            | 2.21        | 54.0           | -12.85          | AV       | 0.00           | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1189.800        | 37.36            | -18.24      | 74.0           | -36.64          | Peak     | 324.00         | 150         | Horizontal | Pass    |
| 1** | 1189.800        | 28.23            | -18.24      | 54.0           | -25.77          | AV       | 324.00         | 150         | Horizontal | Pass    |
| 2   | 1545.400        | 38.03            | -17.80      | 74.0           | -35.97          | Peak     | 75.00          | 150         | Horizontal | Pass    |
| 2** | 1545.400        | 28.99            | -17.80      | 54.0           | -25.01          | AV       | 75.00          | 150         | Horizontal | Pass    |
| 3   | 3962.000        | 47.70            | -5.44       | 74.0           | -26.30          | Peak     | 350.00         | 150         | Horizontal | Pass    |
| 3** | 3962.000        | 37.92            | -5.44       | 54.0           | -16.08          | AV       | 350.00         | 150         | Horizontal | Pass    |
| 4   | 5508.400        | 104.83           | -2.96       | --             | 17.83           | Peak     | 87.00          | 150         | Horizontal | N/A     |
| 4** | 5508.400        | 97.12            | -2.96       | --             | 97.12           | AV       | 87.00          | 150         | Horizontal | N/A     |
| 5   | 7555.163        | 47.71            | -1.60       | 74.0           | -26.29          | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 5** | 7555.163        | 39.07            | -1.60       | 54.0           | -14.93          | AV       | 127.00         | 150         | Horizontal | Pass    |
| 6   | 11744.900       | 50.18            | 1.62        | 74.0           | -23.82          | Peak     | 281.00         | 150         | Horizontal | Pass    |
| 6** | 11744.900       | 40.77            | 1.62        | 54.0           | -13.23          | AV       | 281.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1061.200        | 39.52            | -18.64      | 74.0           | -34.48          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 1** | 1061.200        | 26.88            | -18.64      | 54.0           | -27.12          | AV       | 221.00         | 150         | Vertical | Pass    |
| 2   | 1332.400        | 39.39            | -17.74      | 74.0           | -34.61          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1332.400        | 28.82            | -17.74      | 54.0           | -25.18          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4258.200        | 48.89            | -4.77       | 74.0           | -25.11          | Peak     | 272.00         | 150         | Vertical | Pass    |
| 3** | 4258.200        | 38.68            | -4.77       | 54.0           | -15.32          | AV       | 272.00         | 150         | Vertical | Pass    |
| 4   | 5507.200        | 93.09            | -2.96       | --             | -240.91         | Peak     | 334.00         | 150         | Vertical | N/A     |
| 4** | 5507.200        | 86.53            | -2.96       | --             | 86.53           | AV       | 334.00         | 150         | Vertical | N/A     |
| 5   | 7462.300        | 47.73            | -2.14       | 74.0           | -26.27          | Peak     | 313.00         | 150         | Vertical | Pass    |
| 5** | 7462.300        | 38.38            | -2.14       | 54.0           | -15.62          | AV       | 313.00         | 150         | Vertical | Pass    |
| 6   | 11640.250       | 51.22            | 2.45        | 74.0           | -22.78          | Peak     | 27.00          | 150         | Vertical | Pass    |
| 6** | 11640.250       | 41.78            | 2.45        | 54.0           | -12.22          | AV       | 27.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1185.000        | 37.48            | -18.26      | 74.0           | -36.52          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1185.000        | 28.09            | -18.26      | 54.0           | -25.91          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 1536.500        | 38.23            | -17.65      | 74.0           | -35.77          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 1536.500        | 28.84            | -17.65      | 54.0           | -25.16          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 3998.800        | 48.03            | -5.63       | 74.0           | -25.97          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 3998.800        | 38.57            | -5.63       | 54.0           | -15.43          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5587.800        | 105.06           | -3.23       | --             | -148.94         | Peak     | 254.00         | 150         | Horizontal | N/A     |
| 4** | 5587.800        | 97.29            | -3.23       | --             | 97.29           | AV       | 254.00         | 150         | Horizontal | N/A     |
| 5   | 7561.487        | 48.64            | -1.80       | 74.0           | -25.36          | Peak     | 111.00         | 150         | Horizontal | Pass    |
| 5** | 7561.487        | 39.14            | -1.80       | 54.0           | -14.86          | AV       | 111.00         | 150         | Horizontal | Pass    |
| 6   | 11975.474       | 50.93            | 0.93        | 74.0           | -23.07          | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 6** | 11975.474       | 41.02            | 0.93        | 54.0           | -12.98          | AV       | 127.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.400        | 39.56            | -18.66      | 74.0           | -34.44          | Peak     | 213.00         | 150         | Vertical | Pass    |
| 1** | 1066.400        | 31.66            | -18.66      | 54.0           | -22.34          | AV       | 213.00         | 150         | Vertical | Pass    |
| 2   | 1331.900        | 40.77            | -17.73      | 74.0           | -33.23          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1331.900        | 29.24            | -17.73      | 54.0           | -24.76          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4329.600        | 48.69            | -4.82       | 74.0           | -25.31          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 3** | 4329.600        | 38.93            | -4.82       | 54.0           | -15.07          | AV       | 303.00         | 150         | Vertical | Pass    |
| 4   | 5588.200        | 92.96            | -3.24       | --             | -241.04         | Peak     | 334.00         | 150         | Vertical | N/A     |
| 4** | 5588.200        | 85.70            | -3.24       | --             | 85.70           | AV       | 334.00         | 150         | Vertical | N/A     |
| 5   | 7524.400        | 47.08            | -1.62       | 74.0           | -26.92          | Peak     | 28.00          | 150         | Vertical | Pass    |
| 5** | 7524.400        | 38.34            | -1.62       | 54.0           | -15.66          | AV       | 28.00          | 150         | Vertical | Pass    |
| 6   | 12398.387       | 51.32            | 1.77        | 74.0           | -22.68          | Peak     | 174.00         | 150         | Vertical | Pass    |
| 6** | 12398.387       | 41.22            | 1.77        | 54.0           | -12.78          | AV       | 174.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1185.700        | 36.97            | -18.26      | 74.0           | -37.03          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1185.700        | 27.53            | -18.26      | 54.0           | -26.47          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 1482.100        | 38.77            | -17.75      | 74.0           | -35.23          | Peak     | 62.00          | 150         | Horizontal | Pass    |
| 2** | 1482.100        | 28.03            | -17.75      | 54.0           | -25.97          | AV       | 62.00          | 150         | Horizontal | Pass    |
| 3   | 4188.200        | 48.29            | -5.21       | 74.0           | -25.71          | Peak     | 30.00          | 150         | Horizontal | Pass    |
| 3** | 4188.200        | 39.68            | -5.21       | 54.0           | -14.32          | AV       | 30.00          | 150         | Horizontal | Pass    |
| 4   | 5674.800        | 104.39           | -3.75       | --             | -139.61         | Peak     | 244.00         | 150         | Horizontal | N/A     |
| 4** | 5674.800        | 96.46            | -3.75       | --             | 96.46           | AV       | 244.00         | 150         | Horizontal | N/A     |
| 5   | 7561.200        | 48.20            | -1.80       | 74.0           | -25.80          | Peak     | 323.00         | 150         | Horizontal | Pass    |
| 5** | 7561.200        | 38.20            | -1.80       | 54.0           | -15.80          | AV       | 323.00         | 150         | Horizontal | Pass    |
| 6   | 12233.075       | 51.14            | 2.63        | 74.0           | -22.86          | Peak     | 198.00         | 150         | Horizontal | Pass    |
| 6** | 12233.075       | 41.79            | 2.63        | 54.0           | -12.21          | AV       | 198.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.100        | 38.85            | -18.59      | 74.0           | -35.15          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 1** | 1065.100        | 26.76            | -18.59      | 54.0           | -27.24          | AV       | 150.00         | 150         | Vertical | Pass    |
| 2   | 1328.300        | 40.43            | -17.65      | 74.0           | -33.57          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1328.300        | 30.16            | -17.65      | 54.0           | -23.84          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3989.000        | 47.98            | -5.90       | 74.0           | -26.02          | Peak     | 249.00         | 150         | Vertical | Pass    |
| 3** | 3989.000        | 38.12            | -5.90       | 54.0           | -15.88          | AV       | 249.00         | 150         | Vertical | Pass    |
| 4   | 5666.600        | 93.19            | -3.57       | --             | 10.19           | Peak     | 83.00          | 150         | Vertical | N/A     |
| 4** | 5666.600        | 86.03            | -3.57       | --             | 86.03           | AV       | 83.00          | 150         | Vertical | N/A     |
| 5   | 7414.287        | 47.76            | -1.88       | 74.0           | -26.24          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 5** | 7414.287        | 37.81            | -1.88       | 54.0           | -16.19          | AV       | 199.00         | 150         | Vertical | Pass    |
| 6   | 11627.312       | 50.71            | 2.31        | 74.0           | -23.29          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 11627.312       | 41.47            | 2.31        | 54.0           | -12.53          | AV       | 0.00           | 150         | Vertical | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, 142 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   | 1208.200        | 37.42            | -18.19      | 74.0           | -36.58          | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 1** | 1208.200        | 28.68            | -18.19      | 54.0           | -25.32          | AV       | 19.00          | 150         | Horizontal | Pass    |
| 2   | 1568.300        | 38.36            | -17.58      | 74.0           | -35.64          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 2** | 1568.300        | 28.59            | -17.58      | 54.0           | -25.41          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 3   | 3945.200        | 48.36            | -6.26       | 74.0           | -25.64          | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 3** | 3945.200        | 37.78            | -6.26       | 54.0           | -16.22          | AV       | 272.00         | 150         | Horizontal | Pass    |
| 4   | 5708.200        | 103.81           | -3.80       | --             | -150.19         | Peak     | 254.00         | 150         | Horizontal | N/A     |
| 4** | 5708.200        | 96.09            | -3.80       | --             | 96.09           | AV       | 254.00         | 150         | Horizontal | N/A     |
| 5   | 7524.112        | 47.64            | -1.61       | 74.0           | -26.36          | Peak     | 63.00          | 150         | Horizontal | Pass    |
| 5** | 7524.112        | 37.72            | -1.61       | 54.0           | -16.28          | AV       | 63.00          | 150         | Horizontal | Pass    |
| 6   | 12478.599       | 50.94            | 1.35        | 74.0           | -23.06          | Peak     | 116.00         | 150         | Horizontal | Pass    |
| 6** | 12478.599       | 41.67            | 1.35        | 54.0           | -12.33          | AV       | 116.00         | 150         | Horizontal | Pass    |

## 11ac40, U-NII-2C, 1 GHz to 18 GHz, 142 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   | 1066.900        | 41.11            | -18.68      | 74.0           | -32.89          | Peak     | 223.00         | 150         | Vertical | Pass    |
| 1** | 1066.900        | 27.10            | -18.68      | 54.0           | -26.90          | AV       | 223.00         | 150         | Vertical | Pass    |
| 2   | 1330.800        | 40.29            | -17.71      | 74.0           | -33.71          | Peak     | 2.00           | 150         | Vertical | Pass    |
| 2** | 1330.800        | 29.01            | -17.71      | 54.0           | -24.99          | AV       | 2.00           | 150         | Vertical | Pass    |
| 3   | 4044.400        | 47.99            | -5.39       | 74.0           | -26.01          | Peak     | 288.00         | 150         | Vertical | Pass    |
| 3** | 4044.400        | 38.26            | -5.39       | 54.0           | -15.74          | AV       | 288.00         | 150         | Vertical | Pass    |
| 4   | 5712.800        | 94.13            | -3.77       | --             | -8.87           | Peak     | 103.00         | 150         | Vertical | N/A     |
| 4** | 5712.800        | 86.22            | -3.77       | --             | 86.22           | AV       | 103.00         | 150         | Vertical | N/A     |
| 5   | 7546.825        | 47.47            | -1.58       | 74.0           | -26.53          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 7546.825        | 39.18            | -1.58       | 54.0           | -14.82          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 11867.950       | 50.46            | 0.71        | 74.0           | -23.54          | Peak     | 163.00         | 150         | Vertical | Pass    |
| 6** | 11867.950       | 40.74            | 0.71        | 54.0           | -13.26          | AV       | 163.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1201.100        | 38.06            | -18.15      | 74.0           | -35.94          | Peak     | 18.00          | 150         | Horizontal | Pass    |
| 1** | 1201.100        | 29.21            | -18.15      | 54.0           | -24.79          | AV       | 18.00          | 150         | Horizontal | Pass    |
| 2   | 1557.500        | 38.67            | -17.73      | 74.0           | -35.33          | Peak     | 291.00         | 150         | Horizontal | Pass    |
| 2** | 1557.500        | 28.01            | -17.73      | 54.0           | -25.99          | AV       | 291.00         | 150         | Horizontal | Pass    |
| 3   | 4280.400        | 48.75            | -4.80       | 74.0           | -25.25          | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 3** | 4280.400        | 38.59            | -4.80       | 54.0           | -15.41          | AV       | 233.00         | 150         | Horizontal | Pass    |
| 4   | 5521.200        | 102.84           | -3.02       | --             | -152.16         | Peak     | 255.00         | 150         | Horizontal | N/A     |
| 4** | 5521.200        | 94.59            | -3.02       | --             | 94.59           | AV       | 255.00         | 150         | Horizontal | N/A     |
| 5   | 7560.050        | 47.25            | -1.75       | 74.0           | -26.75          | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 5** | 7560.050        | 39.45            | -1.75       | 54.0           | -14.55          | AV       | 83.00          | 150         | Horizontal | Pass    |
| 6   | 11620.412       | 50.24            | 2.23        | 74.0           | -23.76          | Peak     | 346.00         | 150         | Horizontal | Pass    |
| 6** | 11620.412       | 40.59            | 2.23        | 54.0           | -13.41          | AV       | 346.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1061.600        | 38.69            | -18.64      | 74.0           | -35.31          | Peak     | 196.00         | 150         | Vertical | Pass    |
| 1** | 1061.600        | 27.11            | -18.64      | 54.0           | -26.89          | AV       | 196.00         | 150         | Vertical | Pass    |
| 2   | 1330.400        | 39.65            | -17.71      | 74.0           | -34.35          | Peak     | 2.00           | 150         | Vertical | Pass    |
| 2** | 1330.400        | 29.61            | -17.71      | 54.0           | -24.39          | AV       | 2.00           | 150         | Vertical | Pass    |
| 3   | 4042.000        | 47.37            | -5.38       | 74.0           | -26.63          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 3** | 4042.000        | 37.78            | -5.38       | 54.0           | -16.22          | AV       | 289.00         | 150         | Vertical | Pass    |
| 4   | 5523.200        | 91.06            | -3.00       | --             | -34.94          | Peak     | 126.00         | 150         | Vertical | N/A     |
| 4** | 5523.200        | 82.67            | -3.00       | --             | 82.67           | AV       | 126.00         | 150         | Vertical | N/A     |
| 5   | 7539.925        | 48.03            | -1.68       | 74.0           | -25.97          | Peak     | 276.00         | 150         | Vertical | Pass    |
| 5** | 7539.925        | 38.45            | -1.68       | 54.0           | -15.55          | AV       | 276.00         | 150         | Vertical | Pass    |
| 6   | 11906.187       | 50.53            | 0.64        | 74.0           | -23.47          | Peak     | 310.00         | 150         | Vertical | Pass    |
| 6** | 11906.187       | 41.48            | 0.64        | 54.0           | -12.52          | AV       | 310.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.400        | 36.73            | -18.61      | 74.0           | -37.27          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 1** | 1065.400        | 26.70            | -18.61      | 54.0           | -27.30          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 2   | 1379.100        | 38.34            | -17.51      | 74.0           | -35.66          | Peak     | 175.00         | 150         | Horizontal | Pass    |
| 2** | 1379.100        | 28.60            | -17.51      | 54.0           | -25.40          | AV       | 175.00         | 150         | Horizontal | Pass    |
| 3   | 4270.200        | 49.16            | -4.81       | 74.0           | -24.84          | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 3** | 4270.200        | 38.04            | -4.81       | 54.0           | -15.96          | AV       | 200.00         | 150         | Horizontal | Pass    |
| 4   | 5605.600        | 101.72           | -3.16       | --             | -153.28         | Peak     | 255.00         | 150         | Horizontal | N/A     |
| 4** | 5605.600        | 93.57            | -3.16       | --             | 93.57           | AV       | 255.00         | 150         | Horizontal | N/A     |
| 5   | 7559.475        | 47.36            | -1.72       | 74.0           | -26.64          | Peak     | 323.00         | 150         | Horizontal | Pass    |
| 5** | 7559.475        | 38.58            | -1.72       | 54.0           | -15.42          | AV       | 323.00         | 150         | Horizontal | Pass    |
| 6   | 12246.875       | 51.51            | 2.66        | 74.0           | -22.49          | Peak     | 212.00         | 150         | Horizontal | Pass    |
| 6** | 12246.875       | 42.34            | 2.66        | 54.0           | -11.66          | AV       | 212.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.600        | 39.40            | -18.58      | 74.0           | -34.60          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 1** | 1064.600        | 29.74            | -18.58      | 54.0           | -24.26          | AV       | 207.00         | 150         | Vertical | Pass    |
| 2   | 1329.200        | 39.52            | -17.68      | 74.0           | -34.48          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1329.200        | 32.06            | -17.68      | 54.0           | -21.94          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4011.800        | 47.38            | -5.81       | 74.0           | -26.62          | Peak     | 319.00         | 150         | Vertical | Pass    |
| 3** | 4011.800        | 37.91            | -5.81       | 54.0           | -16.09          | AV       | 319.00         | 150         | Vertical | Pass    |
| 4   | 5604.400        | 90.45            | -3.14       | --             | -100.55         | Peak     | 191.00         | 150         | Vertical | N/A     |
| 4** | 5604.400        | 81.69            | -3.14       | --             | 81.69           | AV       | 191.00         | 150         | Vertical | N/A     |
| 5   | 7558.612        | 47.46            | -1.68       | 74.0           | -26.54          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 5** | 7558.612        | 38.68            | -1.68       | 54.0           | -15.32          | AV       | 150.00         | 150         | Vertical | Pass    |
| 6   | 12208.062       | 51.37            | 2.57        | 74.0           | -22.63          | Peak     | 302.00         | 150         | Vertical | Pass    |
| 6** | 12208.062       | 42.63            | 2.57        | 54.0           | -11.37          | AV       | 302.00         | 150         | Vertical | Pass    |

## 11ac80, U-NII-2C, 1 GHz to 18 GHz, 138 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   | 1216.100        | 38.02            | -17.98      | 74.0           | -35.98          | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 1** | 1216.100        | 28.56            | -17.98      | 54.0           | -25.44          | AV       | 140.00         | 150         | Horizontal | Pass    |
| 2   | 1371.000        | 38.56            | -17.63      | 74.0           | -35.44          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 2** | 1371.000        | 28.43            | -17.63      | 54.0           | -25.57          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 3   | 3972.400        | 47.28            | -5.38       | 74.0           | -26.72          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 3** | 3972.400        | 37.82            | -5.38       | 54.0           | -16.18          | AV       | 50.00          | 150         | Horizontal | Pass    |
| 4   | 5684.200        | 100.97           | -3.81       | --             | -147.03         | Peak     | 248.00         | 150         | Horizontal | N/A     |
| 4** | 5684.200        | 93.65            | -3.81       | --             | 93.65           | AV       | 248.00         | 150         | Horizontal | N/A     |
| 5   | 7509.737        | 47.71            | -1.86       | 74.0           | -26.29          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 7509.737        | 38.21            | -1.86       | 54.0           | -15.79          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 12308.688       | 50.72            | 2.25        | 74.0           | -23.28          | Peak     | 151.00         | 150         | Horizontal | Pass    |
| 6** | 12308.688       | 41.80            | 2.25        | 54.0           | -12.20          | AV       | 151.00         | 150         | Horizontal | Pass    |

## 11ac80, U-NII-2C, 1 GHz to 18 GHz, 138 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   | 1064.000        | 39.79            | -18.60      | 74.0           | -34.21          | Peak     | 205.00         | 150         | Vertical | Pass    |
| 1** | 1064.000        | 29.11            | -18.60      | 54.0           | -24.89          | AV       | 205.00         | 150         | Vertical | Pass    |
| 2   | 1333.100        | 41.39            | -17.75      | 74.0           | -32.61          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1333.100        | 28.58            | -17.75      | 54.0           | -25.42          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4020.400        | 47.69            | -5.76       | 74.0           | -26.31          | Peak     | 272.00         | 150         | Vertical | Pass    |
| 3** | 4020.400        | 38.65            | -5.76       | 54.0           | -15.35          | AV       | 272.00         | 150         | Vertical | Pass    |
| 4   | 5697.000        | 90.15            | -3.93       | --             | -228.85         | Peak     | 319.00         | 150         | Vertical | N/A     |
| 4** | 5697.000        | 82.60            | -3.93       | --             | 82.60           | AV       | 319.00         | 150         | Vertical | N/A     |
| 5   | 7551.425        | 47.21            | -1.58       | 74.0           | -26.79          | Peak     | 6.00           | 150         | Vertical | Pass    |
| 5** | 7551.425        | 38.28            | -1.58       | 54.0           | -15.72          | AV       | 6.00           | 150         | Vertical | Pass    |
| 6   | 12391.200       | 51.51            | 1.81        | 74.0           | -22.49          | Peak     | 56.00          | 150         | Vertical | Pass    |
| 6** | 12391.200       | 41.13            | 1.81        | 54.0           | -12.87          | AV       | 56.00          | 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   | 1206.700        | 37.13            | -18.21      | 74.0           | -36.87          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1206.700        | 27.70            | -18.21      | 54.0           | -26.30          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 1569.000        | 38.63            | -17.59      | 74.0           | -35.37          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 1569.000        | 29.06            | -17.59      | 54.0           | -24.94          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 3841.800        | 47.27            | -6.31       | 74.0           | -26.73          | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 3** | 3841.800        | 37.51            | -6.31       | 54.0           | -16.49          | AV       | 64.00          | 150         | Horizontal | Pass    |
| 4   | 5746.800        | 108.29           | -3.59       | --             | -199.71         | Peak     | 308.00         | 150         | Horizontal | N/A     |
| 4** | 5746.800        | 100.68           | -3.59       | --             | 100.68          | AV       | 308.00         | 150         | Horizontal | N/A     |
| 5   | 7535.612        | 47.68            | -1.75       | 74.0           | -26.32          | Peak     | 222.00         | 150         | Horizontal | Pass    |
| 5** | 7535.612        | 38.55            | -1.75       | 54.0           | -15.45          | AV       | 222.00         | 150         | Horizontal | Pass    |
| 6   | 12215.825       | 50.52            | 2.59        | 74.0           | -23.48          | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 6** | 12215.825       | 41.77            | 2.59        | 54.0           | -12.23          | AV       | 140.00         | 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   | 1062.500        | 39.84            | -18.64      | 74.0           | -34.16          | Peak     | 202.00         | 150         | Vertical | Pass    |
| 1** | 1062.500        | 30.83            | -18.64      | 54.0           | -23.17          | AV       | 202.00         | 150         | Vertical | Pass    |
| 2   | 1329.700        | 39.12            | -17.69      | 74.0           | -34.88          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1329.700        | 28.37            | -17.69      | 54.0           | -25.63          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4036.400        | 47.73            | -5.33       | 74.0           | -26.27          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 3** | 4036.400        | 38.78            | -5.33       | 54.0           | -15.22          | AV       | 38.00          | 150         | Vertical | Pass    |
| 4   | 5743.600        | 98.06            | -3.60       | --             | -73.94          | Peak     | 172.00         | 150         | Vertical | N/A     |
| 4** | 5743.600        | 89.59            | -3.60       | --             | 89.59           | AV       | 172.00         | 150         | Vertical | N/A     |
| 5   | 7542.800        | 47.72            | -1.63       | 74.0           | -26.28          | Peak     | 355.00         | 150         | Vertical | Pass    |
| 5** | 7542.800        | 38.08            | -1.63       | 54.0           | -15.92          | AV       | 355.00         | 150         | Vertical | Pass    |
| 6   | 11652.037       | 51.37            | 2.55        | 74.0           | -22.63          | Peak     | 273.00         | 150         | Vertical | Pass    |
| 6** | 11652.037       | 42.03            | 2.55        | 54.0           | -11.97          | AV       | 273.00         | 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   | 1065.000        | 36.86            | -18.59      | 74.0           | -37.14          | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 1** | 1065.000        | 27.20            | -18.59      | 54.0           | -26.80          | AV       | 272.00         | 150         | Horizontal | Pass    |
| 2   | 1502.900        | 38.48            | -17.73      | 74.0           | -35.52          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 1502.900        | 29.40            | -17.73      | 54.0           | -24.60          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4277.400        | 49.19            | -4.74       | 74.0           | -24.81          | Peak     | 238.00         | 150         | Horizontal | Pass    |
| 3** | 4277.400        | 39.09            | -4.74       | 54.0           | -14.91          | AV       | 238.00         | 150         | Horizontal | Pass    |
| 4   | 5783.600        | 107.63           | -3.05       | --             | -200.37         | Peak     | 308.00         | 150         | Horizontal | N/A     |
| 4** | 5783.600        | 99.75            | -3.05       | --             | 99.75           | AV       | 308.00         | 150         | Horizontal | N/A     |
| 5   | 7535.612        | 47.50            | -1.75       | 74.0           | -26.50          | Peak     | 139.00         | 150         | Horizontal | Pass    |
| 5** | 7535.612        | 38.53            | -1.75       | 54.0           | -15.47          | AV       | 139.00         | 150         | Horizontal | Pass    |
| 6   | 12214.674       | 50.72            | 2.59        | 74.0           | -23.28          | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 6** | 12214.674       | 42.64            | 2.59        | 54.0           | -11.36          | AV       | 272.00         | 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   | 1063.400        | 38.93            | -18.62      | 74.0           | -35.07          | Peak     | 291.00         | 150         | Vertical | Pass    |
| 1** | 1063.400        | 30.04            | -18.62      | 54.0           | -23.96          | AV       | 291.00         | 150         | Vertical | Pass    |
| 2   | 1332.500        | 40.60            | -17.75      | 74.0           | -33.40          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1332.500        | 28.79            | -17.75      | 54.0           | -25.21          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4201.600        | 48.50            | -5.22       | 74.0           | -25.50          | Peak     | 307.00         | 150         | Vertical | Pass    |
| 3** | 4201.600        | 38.62            | -5.22       | 54.0           | -15.38          | AV       | 307.00         | 150         | Vertical | Pass    |
| 4   | 5783.800        | 98.15            | -3.04       | --             | -216.85         | Peak     | 315.00         | 150         | Vertical | N/A     |
| 4** | 5783.800        | 90.90            | -3.04       | --             | 90.90           | AV       | 315.00         | 150         | Vertical | N/A     |
| 5   | 7459.138        | 47.34            | -2.18       | 74.0           | -26.66          | Peak     | 138.00         | 150         | Vertical | Pass    |
| 5** | 7459.138        | 37.79            | -2.18       | 54.0           | -16.21          | AV       | 138.00         | 150         | Vertical | Pass    |
| 6   | 11894.974       | 51.42            | 0.63        | 74.0           | -22.58          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 6** | 11894.974       | 41.01            | 0.63        | 54.0           | -12.99          | AV       | 210.00         | 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   | 1063.400        | 37.54            | -18.62      | 74.0           | -36.46          | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 1** | 1063.400        | 27.04            | -18.62      | 54.0           | -26.96          | AV       | 272.00         | 150         | Horizontal | Pass    |
| 2   | 1516.600        | 38.08            | -17.75      | 74.0           | -35.92          | Peak     | 60.00          | 150         | Horizontal | Pass    |
| 2** | 1516.600        | 28.32            | -17.75      | 54.0           | -25.68          | AV       | 60.00          | 150         | Horizontal | Pass    |
| 3   | 3961.600        | 47.44            | -5.48       | 74.0           | -26.56          | Peak     | 237.00         | 150         | Horizontal | Pass    |
| 3** | 3961.600        | 38.34            | -5.48       | 54.0           | -15.66          | AV       | 237.00         | 150         | Horizontal | Pass    |
| 4   | 5827.600        | 108.40           | -2.74       | --             | -198.60         | Peak     | 307.00         | 150         | Horizontal | N/A     |
| 4** | 5827.600        | 101.50           | -2.74       | --             | 101.50          | AV       | 307.00         | 150         | Horizontal | N/A     |
| 5   | 7558.038        | 47.96            | -1.67       | 74.0           | -26.04          | Peak     | 324.00         | 150         | Horizontal | Pass    |
| 5** | 7558.038        | 39.23            | -1.67       | 54.0           | -14.77          | AV       | 324.00         | 150         | Horizontal | Pass    |
| 6   | 12264.988       | 50.86            | 2.54        | 74.0           | -23.14          | Peak     | 253.00         | 150         | Horizontal | Pass    |
| 6** | 12264.988       | 41.78            | 2.54        | 54.0           | -12.22          | AV       | 253.00         | 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   | 1064.000        | 39.21            | -18.60      | 74.0           | -34.79          | Peak     | 229.00         | 150         | Vertical | Pass    |
| 1** | 1064.000        | 32.50            | -18.60      | 54.0           | -21.50          | AV       | 229.00         | 150         | Vertical | Pass    |
| 2   | 1331.600        | 39.08            | -17.73      | 74.0           | -34.92          | Peak     | 205.00         | 150         | Vertical | Pass    |
| 2** | 1331.600        | 29.30            | -17.73      | 54.0           | -24.70          | AV       | 205.00         | 150         | Vertical | Pass    |
| 3   | 4203.400        | 48.00            | -5.18       | 74.0           | -26.00          | Peak     | 110.00         | 150         | Vertical | Pass    |
| 3** | 4203.400        | 38.44            | -5.18       | 54.0           | -15.56          | AV       | 110.00         | 150         | Vertical | Pass    |
| 4   | 5823.400        | 99.14            | -2.75       | --             | 13.14           | Peak     | 86.00          | 150         | Vertical | N/A     |
| 4** | 5823.400        | 90.90            | -2.75       | --             | 90.90           | AV       | 86.00          | 150         | Vertical | N/A     |
| 5   | 7547.687        | 47.67            | -1.58       | 74.0           | -26.33          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 5** | 7547.687        | 38.81            | -1.58       | 54.0           | -15.19          | AV       | 344.00         | 150         | Vertical | Pass    |
| 6   | 12264.700       | 50.53            | 2.54        | 74.0           | -23.47          | Peak     | 201.00         | 150         | Vertical | Pass    |
| 6** | 12264.700       | 41.81            | 2.54        | 54.0           | -12.19          | AV       | 201.00         | 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   | 1066.000        | 37.20            | -18.64      | 74.0           | -36.80          | Peak     | 266.00         | 150         | Horizontal | Pass    |
| 1** | 1066.000        | 27.84            | -18.64      | 54.0           | -26.16          | AV       | 266.00         | 150         | Horizontal | Pass    |
| 2   | 1594.200        | 39.05            | -17.81      | 74.0           | -34.95          | Peak     | 245.00         | 150         | Horizontal | Pass    |
| 2** | 1594.200        | 28.80            | -17.81      | 54.0           | -25.20          | AV       | 245.00         | 150         | Horizontal | Pass    |
| 3   | 4037.000        | 47.48            | -5.32       | 74.0           | -26.52          | Peak     | 112.00         | 150         | Horizontal | Pass    |
| 3** | 4037.000        | 38.59            | -5.32       | 54.0           | -15.41          | AV       | 112.00         | 150         | Horizontal | Pass    |
| 4   | 5746.200        | 106.79           | -3.59       | --             | -217.21         | Peak     | 324.00         | 150         | Horizontal | N/A     |
| 4** | 5746.200        | 99.50            | -3.59       | --             | 99.50           | AV       | 324.00         | 150         | Horizontal | N/A     |
| 5   | 7555.450        | 47.49            | -1.61       | 74.0           | -26.51          | Peak     | 109.00         | 150         | Horizontal | Pass    |
| 5** | 7555.450        | 38.61            | -1.61       | 54.0           | -15.39          | AV       | 109.00         | 150         | Horizontal | Pass    |
| 6   | 12243.138       | 51.46            | 2.65        | 74.0           | -22.54          | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 6** | 12243.138       | 41.05            | 2.65        | 54.0           | -12.95          | AV       | 233.00         | 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   | 1066.000        | 40.20            | -18.64      | 74.0           | -33.80          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 1** | 1066.000        | 28.57            | -18.64      | 54.0           | -25.43          | AV       | 210.00         | 150         | Vertical | Pass    |
| 2   | 1327.700        | 40.13            | -17.65      | 74.0           | -33.87          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 2** | 1327.700        | 28.67            | -17.65      | 54.0           | -25.33          | AV       | 357.00         | 150         | Vertical | Pass    |
| 3   | 4214.000        | 48.68            | -4.88       | 74.0           | -25.32          | Peak     | 95.00          | 150         | Vertical | Pass    |
| 3** | 4214.000        | 38.99            | -4.88       | 54.0           | -15.01          | AV       | 95.00          | 150         | Vertical | Pass    |
| 4   | 5747.600        | 97.24            | -3.59       | --             | -210.76         | Peak     | 308.00         | 150         | Vertical | N/A     |
| 4** | 5747.600        | 89.54            | -3.59       | --             | 89.54           | AV       | 308.00         | 150         | Vertical | N/A     |
| 5   | 7556.600        | 47.63            | -1.66       | 74.0           | -26.37          | Peak     | 68.00          | 150         | Vertical | Pass    |
| 5** | 7556.600        | 39.74            | -1.66       | 54.0           | -14.26          | AV       | 68.00          | 150         | Vertical | Pass    |
| 6   | 11646.000       | 50.76            | 2.51        | 74.0           | -23.24          | Peak     | 252.00         | 150         | Vertical | Pass    |
| 6** | 11646.000       | 40.86            | 2.51        | 54.0           | -13.14          | AV       | 252.00         | 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   | 1200.700        | 37.92            | -18.16      | 74.0           | -36.08          | Peak     | 307.00         | 150         | Horizontal | Pass    |
| 1** | 1200.700        | 27.64            | -18.16      | 54.0           | -26.36          | AV       | 307.00         | 150         | Horizontal | Pass    |
| 2   | 1537.500        | 38.27            | -17.69      | 74.0           | -35.73          | Peak     | 208.00         | 150         | Horizontal | Pass    |
| 2** | 1537.500        | 28.24            | -17.69      | 54.0           | -25.76          | AV       | 208.00         | 150         | Horizontal | Pass    |
| 3   | 4122.400        | 47.92            | -5.49       | 74.0           | -26.08          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4122.400        | 38.19            | -5.49       | 54.0           | -15.81          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5783.200        | 107.39           | -3.06       | --             | -207.61         | Peak     | 315.00         | 150         | Horizontal | N/A     |
| 4** | 5783.200        | 99.73            | -3.06       | --             | 99.73           | AV       | 315.00         | 150         | Horizontal | N/A     |
| 5   | 7553.150        | 47.92            | -1.56       | 74.0           | -26.08          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7553.150        | 38.66            | -1.56       | 54.0           | -15.34          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11625.300       | 50.74            | 2.28        | 74.0           | -23.26          | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 6** | 11625.300       | 40.84            | 2.28        | 54.0           | -13.16          | AV       | 47.00          | 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   | 1065.400        | 39.71            | -18.61      | 74.0           | -34.29          | Peak     | 208.00         | 150         | Vertical | Pass    |
| 1** | 1065.400        | 31.17            | -18.61      | 54.0           | -22.83          | AV       | 208.00         | 150         | Vertical | Pass    |
| 2   | 1328.300        | 38.65            | -17.65      | 74.0           | -35.35          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1328.300        | 30.64            | -17.65      | 54.0           | -23.36          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3790.600        | 46.84            | -5.46       | 74.0           | -27.16          | Peak     | 4.00           | 150         | Vertical | Pass    |
| 3** | 3790.600        | 38.25            | -5.46       | 54.0           | -15.75          | AV       | 4.00           | 150         | Vertical | Pass    |
| 4   | 5783.200        | 97.82            | -3.06       | --             | -209.18         | Peak     | 307.00         | 150         | Vertical | N/A     |
| 4** | 5783.200        | 89.09            | -3.06       | --             | 89.09           | AV       | 307.00         | 150         | Vertical | N/A     |
| 5   | 7612.087        | 47.32            | -2.20       | 74.0           | -26.68          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 5** | 7612.087        | 37.84            | -2.20       | 54.0           | -16.16          | AV       | 108.00         | 150         | Vertical | Pass    |
| 6   | 11909.638       | 50.62            | 0.66        | 74.0           | -23.38          | Peak     | 260.00         | 150         | Vertical | Pass    |
| 6** | 11909.638       | 40.65            | 0.66        | 54.0           | -13.35          | AV       | 260.00         | 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   | 1187.400        | 37.68            | -18.32      | 74.0           | -36.32          | Peak     | 151.00         | 150         | Horizontal | Pass    |
| 1** | 1187.400        | 27.69            | -18.32      | 54.0           | -26.31          | AV       | 151.00         | 150         | Horizontal | Pass    |
| 2   | 1528.500        | 38.51            | -17.74      | 74.0           | -35.49          | Peak     | 41.00          | 150         | Horizontal | Pass    |
| 2** | 1528.500        | 28.25            | -17.74      | 54.0           | -25.75          | AV       | 41.00          | 150         | Horizontal | Pass    |
| 3   | 4266.800        | 48.43            | -4.81       | 74.0           | -25.57          | Peak     | 24.00          | 150         | Horizontal | Pass    |
| 3** | 4266.800        | 39.59            | -4.81       | 54.0           | -14.41          | AV       | 24.00          | 150         | Horizontal | Pass    |
| 4   | 5827.200        | 107.43           | -2.74       | --             | -200.57         | Peak     | 308.00         | 150         | Horizontal | N/A     |
| 4** | 5827.200        | 99.96            | -2.74       | --             | 99.96           | AV       | 308.00         | 150         | Horizontal | N/A     |
| 5   | 7554.300        | 47.41            | -1.56       | 74.0           | -26.59          | Peak     | 112.00         | 150         | Horizontal | Pass    |
| 5** | 7554.300        | 39.03            | -1.56       | 54.0           | -14.97          | AV       | 112.00         | 150         | Horizontal | Pass    |
| 6   | 12135.900       | 50.71            | 1.76        | 74.0           | -23.29          | Peak     | 341.00         | 150         | Horizontal | Pass    |
| 6** | 12135.900       | 40.83            | 1.76        | 54.0           | -13.17          | AV       | 341.00         | 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   | 1062.400        | 38.44            | -18.64      | 74.0           | -35.56          | Peak     | 229.00         | 150         | Vertical | Pass    |
| 1** | 1062.400        | 30.45            | -18.64      | 54.0           | -23.55          | AV       | 229.00         | 150         | Vertical | Pass    |
| 2   | 1330.700        | 39.07            | -17.71      | 74.0           | -34.93          | Peak     | 358.00         | 150         | Vertical | Pass    |
| 2** | 1330.700        | 30.77            | -17.71      | 54.0           | -23.23          | AV       | 358.00         | 150         | Vertical | Pass    |
| 3   | 4030.000        | 47.49            | -5.43       | 74.0           | -26.51          | Peak     | 107.00         | 150         | Vertical | Pass    |
| 3** | 4030.000        | 38.43            | -5.43       | 54.0           | -15.57          | AV       | 107.00         | 150         | Vertical | Pass    |
| 4   | 5826.600        | 98.63            | -2.74       | --             | 9.63            | Peak     | 89.00          | 150         | Vertical | N/A     |
| 4** | 5826.600        | 90.77            | -2.74       | --             | 90.77           | AV       | 89.00          | 150         | Vertical | N/A     |
| 5   | 7550.850        | 47.46            | -1.59       | 74.0           | -26.54          | Peak     | 239.00         | 150         | Vertical | Pass    |
| 5** | 7550.850        | 39.76            | -1.59       | 54.0           | -14.24          | AV       | 239.00         | 150         | Vertical | Pass    |
| 6   | 11715.287       | 50.97            | 2.07        | 74.0           | -23.03          | Peak     | 47.00          | 150         | Vertical | Pass    |
| 6** | 11715.287       | 40.80            | 2.07        | 54.0           | -13.20          | AV       | 47.00          | 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   | 1065.000        | 36.58            | -18.59      | 74.0           | -37.42          | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 1** | 1065.000        | 27.33            | -18.59      | 54.0           | -26.67          | AV       | 289.00         | 150         | Horizontal | Pass    |
| 2   | 1551.000        | 38.32            | -17.66      | 74.0           | -35.68          | Peak     | 173.00         | 150         | Horizontal | Pass    |
| 2** | 1551.000        | 29.10            | -17.66      | 54.0           | -24.90          | AV       | 173.00         | 150         | Horizontal | Pass    |
| 3   | 3783.200        | 47.47            | -5.55       | 74.0           | -26.53          | Peak     | 109.00         | 150         | Horizontal | Pass    |
| 3** | 3783.200        | 38.14            | -5.55       | 54.0           | -15.86          | AV       | 109.00         | 150         | Horizontal | Pass    |
| 4   | 5752.600        | 104.54           | -3.51       | --             | -194.46         | Peak     | 299.00         | 150         | Horizontal | N/A     |
| 4** | 5752.600        | 96.98            | -3.51       | --             | 96.98           | AV       | 299.00         | 150         | Horizontal | N/A     |
| 5   | 8070.075        | 48.06            | -1.20       | 74.0           | -25.94          | Peak     | 249.00         | 150         | Horizontal | Pass    |
| 5** | 8070.075        | 38.64            | -1.20       | 54.0           | -15.36          | AV       | 249.00         | 150         | Horizontal | Pass    |
| 6   | 12327.663       | 51.00            | 2.15        | 74.0           | -23.00          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 6** | 12327.663       | 41.18            | 2.15        | 54.0           | -12.82          | AV       | 7.00           | 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   | 1066.200        | 38.68            | -18.65      | 74.0           | -35.32          | Peak     | 217.00         | 150         | Vertical | Pass    |
| 1** | 1066.200        | 30.38            | -18.65      | 54.0           | -23.62          | AV       | 217.00         | 150         | Vertical | Pass    |
| 2   | 1331.500        | 39.23            | -17.73      | 74.0           | -34.77          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1331.500        | 29.17            | -17.73      | 54.0           | -24.83          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3781.600        | 46.95            | -5.61       | 74.0           | -27.05          | Peak     | 191.00         | 150         | Vertical | Pass    |
| 3** | 3781.600        | 38.79            | -5.61       | 54.0           | -15.21          | AV       | 191.00         | 150         | Vertical | Pass    |
| 4   | 5752.800        | 94.78            | -3.51       | --             | -207.22         | Peak     | 302.00         | 150         | Vertical | N/A     |
| 4** | 5752.800        | 87.79            | -3.51       | --             | 87.79           | AV       | 302.00         | 150         | Vertical | N/A     |
| 5   | 7555.450        | 47.31            | -1.61       | 74.0           | -26.69          | Peak     | 80.00          | 150         | Vertical | Pass    |
| 5** | 7555.450        | 39.03            | -1.61       | 54.0           | -14.97          | AV       | 80.00          | 150         | Vertical | Pass    |
| 6   | 11888.075       | 50.73            | 0.65        | 74.0           | -23.27          | Peak     | 249.00         | 150         | Vertical | Pass    |
| 6** | 11888.075       | 41.07            | 0.65        | 54.0           | -12.93          | AV       | 249.00         | 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   | 1119.700        | 37.06            | -18.40      | 74.0           | -36.94          | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 1** | 1119.700        | 27.44            | -18.40      | 54.0           | -26.56          | AV       | 96.00          | 150         | Horizontal | Pass    |
| 2   | 1376.700        | 38.37            | -17.58      | 74.0           | -35.63          | Peak     | 62.00          | 150         | Horizontal | Pass    |
| 2** | 1376.700        | 28.41            | -17.58      | 54.0           | -25.59          | AV       | 62.00          | 150         | Horizontal | Pass    |
| 3   | 4029.800        | 47.27            | -5.44       | 74.0           | -26.73          | Peak     | 72.00          | 150         | Horizontal | Pass    |
| 3** | 4029.800        | 38.38            | -5.44       | 54.0           | -15.62          | AV       | 72.00          | 150         | Horizontal | Pass    |
| 4   | 5791.400        | 105.05           | -2.86       | --             | -201.95         | Peak     | 307.00         | 150         | Horizontal | N/A     |
| 4** | 5791.400        | 98.11            | -2.86       | --             | 98.11           | AV       | 307.00         | 150         | Horizontal | N/A     |
| 5   | 7494.213        | 47.76            | -1.85       | 74.0           | -26.24          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 5** | 7494.213        | 38.64            | -1.85       | 54.0           | -15.36          | AV       | 168.00         | 150         | Horizontal | Pass    |
| 6   | 12233.075       | 50.60            | 2.63        | 74.0           | -23.40          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 6** | 12233.075       | 41.80            | 2.63        | 54.0           | -12.20          | AV       | 7.00           | 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   | 1063.900        | 39.92            | -18.60      | 74.0           | -34.08          | Peak     | 215.00         | 150         | Vertical | Pass    |
| 1** | 1063.900        | 30.16            | -18.60      | 54.0           | -23.84          | AV       | 215.00         | 150         | Vertical | Pass    |
| 2   | 1329.300        | 39.61            | -17.68      | 74.0           | -34.39          | Peak     | 351.00         | 150         | Vertical | Pass    |
| 2** | 1329.300        | 32.33            | -17.68      | 54.0           | -21.67          | AV       | 351.00         | 150         | Vertical | Pass    |
| 3   | 3952.400        | 47.37            | -6.00       | 74.0           | -26.63          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 3** | 3952.400        | 38.18            | -6.00       | 54.0           | -15.82          | AV       | 204.00         | 150         | Vertical | Pass    |
| 4   | 5798.000        | 94.31            | -2.71       | --             | 8.31            | Peak     | 86.00          | 150         | Vertical | N/A     |
| 4** | 5798.000        | 87.50            | -2.71       | --             | 87.50           | AV       | 86.00          | 150         | Vertical | N/A     |
| 5   | 7533.025        | 48.19            | -1.70       | 74.0           | -25.81          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 5** | 7533.025        | 38.03            | -1.70       | 54.0           | -15.97          | AV       | 289.00         | 150         | Vertical | Pass    |
| 6   | 12216.401       | 50.85            | 2.59        | 74.0           | -23.15          | Peak     | 202.00         | 150         | Vertical | Pass    |
| 6** | 12216.401       | 41.73            | 2.59        | 54.0           | -12.27          | AV       | 202.00         | 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   | 1085.000        | 37.06            | -18.69      | 74.0           | -36.94          | Peak     | 247.00         | 150         | Horizontal | Pass    |
| 1** | 1085.000        | 28.16            | -18.69      | 54.0           | -25.84          | AV       | 247.00         | 150         | Horizontal | Pass    |
| 2   | 1331.300        | 38.49            | -17.72      | 74.0           | -35.51          | Peak     | 280.00         | 150         | Horizontal | Pass    |
| 2** | 1331.300        | 28.58            | -17.72      | 54.0           | -25.42          | AV       | 280.00         | 150         | Horizontal | Pass    |
| 3   | 4285.800        | 48.79            | -4.72       | 74.0           | -25.21          | Peak     | 156.00         | 150         | Horizontal | Pass    |
| 3** | 4285.800        | 38.99            | -4.72       | 54.0           | -15.01          | AV       | 156.00         | 150         | Horizontal | Pass    |
| 4   | 5744.400        | 106.65           | -3.59       | --             | -203.35         | Peak     | 310.00         | 150         | Horizontal | N/A     |
| 4** | 5744.400        | 99.47            | -3.59       | --             | 99.47           | AV       | 310.00         | 150         | Horizontal | N/A     |
| 5   | 7486.162        | 47.56            | -1.87       | 74.0           | -26.44          | Peak     | 188.00         | 150         | Horizontal | Pass    |
| 5** | 7486.162        | 38.46            | -1.87       | 54.0           | -15.54          | AV       | 188.00         | 150         | Horizontal | Pass    |
| 6   | 12208.349       | 50.68            | 2.57        | 74.0           | -23.32          | Peak     | 64.00          | 150         | Horizontal | Pass    |
| 6** | 12208.349       | 42.04            | 2.57        | 54.0           | -11.96          | AV       | 64.00          | 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   | 1062.200        | 39.48            | -18.64      | 74.0           | -34.52          | Peak     | 235.00         | 150         | Vertical | Pass    |
| 1** | 1062.200        | 28.44            | -18.64      | 54.0           | -25.56          | AV       | 235.00         | 150         | Vertical | Pass    |
| 2   | 1333.200        | 38.62            | -17.75      | 74.0           | -35.38          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 2** | 1333.200        | 29.22            | -17.75      | 54.0           | -24.78          | AV       | 7.00           | 150         | Vertical | Pass    |
| 3   | 4173.200        | 48.15            | -4.92       | 74.0           | -25.85          | Peak     | 23.00          | 150         | Vertical | Pass    |
| 3** | 4173.200        | 38.56            | -4.92       | 54.0           | -15.44          | AV       | 23.00          | 150         | Vertical | Pass    |
| 4   | 5747.000        | 96.57            | -3.59       | --             | -205.43         | Peak     | 302.00         | 150         | Vertical | N/A     |
| 4** | 5747.000        | 89.66            | -3.59       | --             | 89.66           | AV       | 302.00         | 150         | Vertical | N/A     |
| 5   | 7548.550        | 47.78            | -1.59       | 74.0           | -26.22          | Peak     | 158.00         | 150         | Vertical | Pass    |
| 5** | 7548.550        | 38.87            | -1.59       | 54.0           | -15.13          | AV       | 158.00         | 150         | Vertical | Pass    |
| 6   | 12269.013       | 51.04            | 2.50        | 74.0           | -22.96          | Peak     | 84.00          | 150         | Vertical | Pass    |
| 6** | 12269.013       | 41.36            | 2.50        | 54.0           | -12.64          | AV       | 84.00          | 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   | 1065.800        | 36.39            | -18.63      | 74.0           | -37.61          | Peak     | 290.00         | 150         | Horizontal | Pass    |
| 1** | 1065.800        | 26.59            | -18.63      | 54.0           | -27.41          | AV       | 290.00         | 150         | Horizontal | Pass    |
| 2   | 1374.100        | 38.04            | -17.56      | 74.0           | -35.96          | Peak     | 22.00          | 150         | Horizontal | Pass    |
| 2** | 1374.100        | 28.56            | -17.56      | 54.0           | -25.44          | AV       | 22.00          | 150         | Horizontal | Pass    |
| 3   | 3749.000        | 47.28            | -6.71       | 74.0           | -26.72          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 3749.000        | 37.70            | -6.71       | 54.0           | -16.30          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5787.000        | 107.22           | -2.98       | --             | -203.78         | Peak     | 311.00         | 150         | Horizontal | N/A     |
| 4** | 5787.000        | 98.74            | -2.98       | --             | 98.74           | AV       | 311.00         | 150         | Horizontal | N/A     |
| 5   | 7557.463        | 48.24            | -1.67       | 74.0           | -25.76          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 7557.463        | 38.51            | -1.67       | 54.0           | -15.49          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 11692.000       | 50.51            | 2.37        | 74.0           | -23.49          | Peak     | 297.00         | 150         | Horizontal | Pass    |
| 6** | 11692.000       | 41.23            | 2.37        | 54.0           | -12.77          | AV       | 297.00         | 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   | 1065.700        | 39.05            | -18.62      | 74.0           | -34.95          | Peak     | 197.00         | 150         | Vertical | Pass    |
| 1** | 1065.700        | 32.97            | -18.62      | 54.0           | -21.03          | AV       | 197.00         | 150         | Vertical | Pass    |
| 2   | 1331.900        | 38.64            | -17.73      | 74.0           | -35.36          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 2** | 1331.900        | 31.11            | -17.73      | 54.0           | -22.89          | AV       | 150.00         | 150         | Vertical | Pass    |
| 3   | 3886.600        | 46.90            | -6.48       | 74.0           | -27.10          | Peak     | 352.00         | 150         | Vertical | Pass    |
| 3** | 3886.600        | 37.77            | -6.48       | 54.0           | -16.23          | AV       | 352.00         | 150         | Vertical | Pass    |
| 4   | 5786.400        | 97.96            | -2.99       | --             | -205.04         | Peak     | 303.00         | 150         | Vertical | N/A     |
| 4** | 5786.400        | 89.61            | -2.99       | --             | 89.61           | AV       | 303.00         | 150         | Vertical | N/A     |
| 5   | 7561.200        | 47.84            | -1.80       | 74.0           | -26.16          | Peak     | 307.00         | 150         | Vertical | Pass    |
| 5** | 7561.200        | 38.85            | -1.80       | 54.0           | -15.15          | AV       | 307.00         | 150         | Vertical | Pass    |
| 6   | 12279.363       | 50.79            | 2.41        | 74.0           | -23.21          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 6** | 12279.363       | 40.85            | 2.41        | 54.0           | -13.15          | AV       | 220.00         | 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   | 1100.500        | 37.05            | -18.47      | 74.0           | -36.95          | Peak     | 313.00         | 150         | Horizontal | Pass    |
| 1** | 1100.500        | 26.47            | -18.47      | 54.0           | -27.53          | AV       | 313.00         | 150         | Horizontal | Pass    |
| 2   | 1376.500        | 38.14            | -17.58      | 74.0           | -35.86          | Peak     | 354.00         | 150         | Horizontal | Pass    |
| 2** | 1376.500        | 28.70            | -17.58      | 54.0           | -25.30          | AV       | 354.00         | 150         | Horizontal | Pass    |
| 3   | 3741.600        | 47.19            | -6.60       | 74.0           | -26.81          | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 3** | 3741.600        | 37.08            | -6.60       | 54.0           | -16.92          | AV       | 55.00          | 150         | Horizontal | Pass    |
| 4   | 5826.800        | 107.15           | -2.74       | --             | -202.85         | Peak     | 310.00         | 150         | Horizontal | N/A     |
| 4** | 5826.800        | 99.81            | -2.74       | --             | 99.81           | AV       | 310.00         | 150         | Horizontal | N/A     |
| 5   | 7494.500        | 47.54            | -1.85       | 74.0           | -26.46          | Peak     | 65.00          | 150         | Horizontal | Pass    |
| 5** | 7494.500        | 38.24            | -1.85       | 54.0           | -15.76          | AV       | 65.00          | 150         | Horizontal | Pass    |
| 6   | 11805.275       | 50.34            | 1.03        | 74.0           | -23.66          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 11805.275       | 40.87            | 1.03        | 54.0           | -13.13          | AV       | 360.00         | 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   | 1064.800        | 40.06            | -18.58      | 74.0           | -33.94          | Peak     | 229.00         | 150         | Vertical | Pass    |
| 1** | 1064.800        | 31.60            | -18.58      | 54.0           | -22.40          | AV       | 229.00         | 150         | Vertical | Pass    |
| 2   | 1332.000        | 38.80            | -17.74      | 74.0           | -35.20          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1332.000        | 29.44            | -17.74      | 54.0           | -24.56          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4000.200        | 47.85            | -5.64       | 74.0           | -26.15          | Peak     | 212.00         | 150         | Vertical | Pass    |
| 3** | 4000.200        | 37.75            | -5.64       | 54.0           | -16.25          | AV       | 212.00         | 150         | Vertical | Pass    |
| 4   | 5826.800        | 97.59            | -2.74       | --             | 7.59            | Peak     | 90.00          | 150         | Vertical | N/A     |
| 4** | 5826.800        | 89.94            | -2.74       | --             | 89.94           | AV       | 90.00          | 150         | Vertical | N/A     |
| 5   | 7491.913        | 48.06            | -1.85       | 74.0           | -25.94          | Peak     | 354.00         | 150         | Vertical | Pass    |
| 5** | 7491.913        | 38.56            | -1.85       | 54.0           | -15.44          | AV       | 354.00         | 150         | Vertical | Pass    |
| 6   | 12321.912       | 50.79            | 2.18        | 74.0           | -23.21          | Peak     | 53.00          | 150         | Vertical | Pass    |
| 6** | 12321.912       | 41.19            | 2.18        | 54.0           | -12.81          | AV       | 53.00          | 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   | 1065.700        | 36.48            | -18.62      | 74.0           | -37.52          | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 1** | 1065.700        | 29.23            | -18.62      | 54.0           | -24.77          | AV       | 275.00         | 150         | Horizontal | Pass    |
| 2   | 1356.300        | 38.28            | -17.56      | 74.0           | -35.72          | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 2** | 1356.300        | 28.45            | -17.56      | 54.0           | -25.55          | AV       | 246.00         | 150         | Horizontal | Pass    |
| 3   | 4221.400        | 49.03            | -4.72       | 74.0           | -24.97          | Peak     | 132.00         | 150         | Horizontal | Pass    |
| 3** | 4221.400        | 39.39            | -4.72       | 54.0           | -14.61          | AV       | 132.00         | 150         | Horizontal | Pass    |
| 4   | 5751.200        | 104.47           | -3.55       | --             | -229.53         | Peak     | 334.00         | 150         | Horizontal | N/A     |
| 4** | 5751.200        | 96.05            | -3.55       | --             | 96.05           | AV       | 334.00         | 150         | Horizontal | N/A     |
| 5   | 7548.550        | 47.42            | -1.59       | 74.0           | -26.58          | Peak     | 100.00         | 150         | Horizontal | Pass    |
| 5** | 7548.550        | 39.19            | -1.59       | 54.0           | -14.81          | AV       | 100.00         | 150         | Horizontal | Pass    |
| 6   | 12214.100       | 51.02            | 2.59        | 74.0           | -22.98          | Peak     | 307.00         | 150         | Horizontal | Pass    |
| 6** | 12214.100       | 41.54            | 2.59        | 54.0           | -12.46          | AV       | 307.00         | 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   | 1065.000        | 40.89            | -18.59      | 74.0           | -33.11          | Peak     | 222.00         | 150         | Vertical | Pass    |
| 1** | 1065.000        | 30.35            | -18.59      | 54.0           | -23.65          | AV       | 222.00         | 150         | Vertical | Pass    |
| 2   | 1329.800        | 39.33            | -17.69      | 74.0           | -34.67          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1329.800        | 28.55            | -17.69      | 54.0           | -25.45          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 3874.200        | 47.22            | -6.47       | 74.0           | -26.78          | Peak     | 274.00         | 150         | Vertical | Pass    |
| 3** | 3874.200        | 37.97            | -6.47       | 54.0           | -16.03          | AV       | 274.00         | 150         | Vertical | Pass    |
| 4   | 5757.400        | 94.75            | -3.51       | --             | -209.25         | Peak     | 304.00         | 150         | Vertical | N/A     |
| 4** | 5757.400        | 86.62            | -3.51       | --             | 86.62           | AV       | 304.00         | 150         | Vertical | N/A     |
| 5   | 7546.250        | 47.52            | -1.58       | 74.0           | -26.48          | Peak     | 280.00         | 150         | Vertical | Pass    |
| 5** | 7546.250        | 38.82            | -1.58       | 54.0           | -15.18          | AV       | 280.00         | 150         | Vertical | Pass    |
| 6   | 12219.850       | 50.76            | 2.60        | 74.0           | -23.24          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 6** | 12219.850       | 41.44            | 2.60        | 54.0           | -12.56          | AV       | 150.00         | 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   | 1062.900        | 37.69            | -18.63      | 74.0           | -36.31          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 1** | 1062.900        | 27.88            | -18.63      | 54.0           | -26.12          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 2   | 1330.700        | 37.96            | -17.71      | 74.0           | -36.04          | Peak     | 239.00         | 150         | Horizontal | Pass    |
| 2** | 1330.700        | 29.19            | -17.71      | 54.0           | -24.81          | AV       | 239.00         | 150         | Horizontal | Pass    |
| 3   | 3807.200        | 47.47            | -6.44       | 74.0           | -26.53          | Peak     | 230.00         | 150         | Horizontal | Pass    |
| 3** | 3807.200        | 37.92            | -6.44       | 54.0           | -16.08          | AV       | 230.00         | 150         | Horizontal | Pass    |
| 4   | 5798.000        | 104.00           | -2.71       | --             | -199.00         | Peak     | 303.00         | 150         | Horizontal | N/A     |
| 4** | 5798.000        | 97.12            | -2.71       | --             | 97.12           | AV       | 303.00         | 150         | Horizontal | N/A     |
| 5   | 7543.375        | 47.50            | -1.63       | 74.0           | -26.50          | Peak     | 225.00         | 150         | Horizontal | Pass    |
| 5** | 7543.375        | 39.23            | -1.63       | 54.0           | -14.77          | AV       | 225.00         | 150         | Horizontal | Pass    |
| 6   | 12215.250       | 50.51            | 2.59        | 74.0           | -23.49          | Peak     | 148.00         | 150         | Horizontal | Pass    |
| 6** | 12215.250       | 41.51            | 2.59        | 54.0           | -12.49          | AV       | 148.00         | 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   | 1063.500        | 39.79            | -18.62      | 74.0           | -34.21          | Peak     | 245.00         | 150         | Vertical | Pass    |
| 1** | 1063.500        | 31.49            | -18.62      | 54.0           | -22.51          | AV       | 245.00         | 150         | Vertical | Pass    |
| 2   | 1331.800        | 40.23            | -17.73      | 74.0           | -33.77          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 1331.800        | 28.74            | -17.73      | 54.0           | -25.26          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4075.800        | 48.28            | -5.25       | 74.0           | -25.72          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 3** | 4075.800        | 37.52            | -5.25       | 54.0           | -16.48          | AV       | 207.00         | 150         | Vertical | Pass    |
| 4   | 5792.800        | 94.88            | -2.84       | --             | 9.88            | Peak     | 85.00          | 150         | Vertical | N/A     |
| 4** | 5792.800        | 87.27            | -2.84       | --             | 87.27           | AV       | 85.00          | 150         | Vertical | N/A     |
| 5   | 7532.738        | 48.33            | -1.69       | 74.0           | -25.67          | Peak     | 89.00          | 150         | Vertical | Pass    |
| 5** | 7532.738        | 39.35            | -1.69       | 54.0           | -14.65          | AV       | 89.00          | 150         | Vertical | Pass    |
| 6   | 11618.113       | 50.48            | 2.20        | 74.0           | -23.52          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 6** | 11618.113       | 40.26            | 2.20        | 54.0           | -13.74          | AV       | 199.00         | 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   | 1065.600        | 38.16            | -18.62      | 74.0           | -35.84          | Peak     | 273.00         | 150         | Horizontal | Pass    |
| 1** | 1065.600        | 30.94            | -18.62      | 54.0           | -23.06          | AV       | 273.00         | 150         | Horizontal | Pass    |
| 2   | 1515.900        | 38.34            | -17.76      | 74.0           | -35.66          | Peak     | 273.00         | 150         | Horizontal | Pass    |
| 2** | 1515.900        | 28.61            | -17.76      | 54.0           | -25.39          | AV       | 273.00         | 150         | Horizontal | Pass    |
| 3   | 4198.600        | 48.43            | -5.25       | 74.0           | -25.57          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 3** | 4198.600        | 38.39            | -5.25       | 54.0           | -15.61          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 4   | 5767.400        | 100.92           | -3.40       | --             | -229.08         | Peak     | 330.00         | 150         | Horizontal | N/A     |
| 4** | 5767.400        | 92.86            | -3.40       | --             | 92.86           | AV       | 330.00         | 150         | Horizontal | N/A     |
| 5   | 7521.525        | 47.47            | -1.60       | 74.0           | -26.53          | Peak     | 114.00         | 150         | Horizontal | Pass    |
| 5** | 7521.525        | 38.99            | -1.60       | 54.0           | -15.01          | AV       | 114.00         | 150         | Horizontal | Pass    |
| 6   | 11899.862       | 50.78            | 0.61        | 74.0           | -23.22          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 11899.862       | 40.91            | 0.61        | 54.0           | -13.09          | AV       | 0.00           | 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   | 1063.500        | 38.67            | -18.62      | 74.0           | -35.33          | Peak     | 208.00         | 150         | Vertical | Pass    |
| 1** | 1063.500        | 28.69            | -18.62      | 54.0           | -25.31          | AV       | 208.00         | 150         | Vertical | Pass    |
| 2   | 1330.900        | 38.56            | -17.72      | 74.0           | -35.44          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 1330.900        | 29.85            | -17.72      | 54.0           | -24.15          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4190.400        | 48.69            | -5.29       | 74.0           | -25.31          | Peak     | 188.00         | 150         | Vertical | Pass    |
| 3** | 4190.400        | 38.35            | -5.29       | 54.0           | -15.65          | AV       | 188.00         | 150         | Vertical | Pass    |
| 4   | 5779.400        | 91.25            | -3.14       | --             | -240.75         | Peak     | 332.00         | 150         | Vertical | N/A     |
| 4** | 5779.400        | 82.32            | -3.14       | --             | 82.32           | AV       | 332.00         | 150         | Vertical | N/A     |
| 5   | 7494.213        | 47.49            | -1.85       | 74.0           | -26.51          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 5** | 7494.213        | 38.05            | -1.85       | 54.0           | -15.95          | AV       | 78.00          | 150         | Vertical | Pass    |
| 6   | 12203.175       | 50.68            | 2.56        | 74.0           | -23.32          | Peak     | 78.00          | 150         | Vertical | Pass    |
| 6** | 12203.175       | 41.12            | 2.56        | 54.0           | -12.88          | AV       | 78.00          | 150         | Vertical | Pass    |

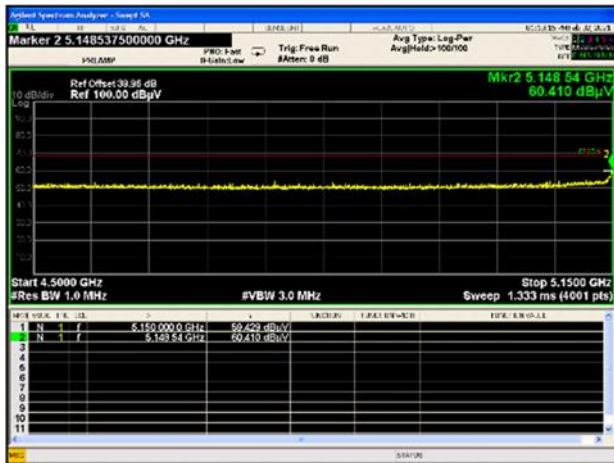
### A.6.2 Band Edge (Restricted-band)

| 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-2A  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT40) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT80) | Middle  | Pass    |
| U-NII-2C  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           |                 | 144     | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           |                 | 144     | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           |                 | 142     | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
|           |                 | 144     | Pass    |
|           | 802.11ac(VHT40) | Low     | Pass    |
|           |                 | High    | Pass    |
|           |                 | 142     | Pass    |
|           | 802.11ac(HT80)  | Low     | Pass    |
|           |                 | High    | Pass    |
|           |                 | 138     | Pass    |
| U-NII-3   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |

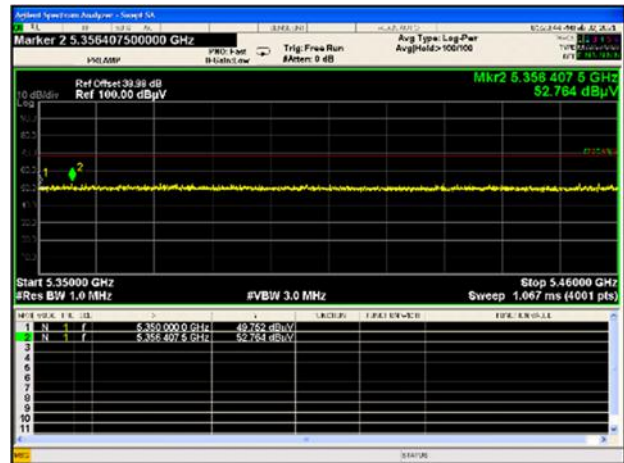
|  |                 |      |      |
|--|-----------------|------|------|
|  | 802.11n(HT40)   | Low  | Pass |
|  |                 | High | Pass |
|  | 802.11ac(VHT20) | Low  | Pass |
|  |                 | High | Pass |
|  | 802.11ac(VHT40) | Low  | Pass |
|  |                 | High | Pass |
|  | 802.11ac(HT80)  | Low  | Pass |
|  |                 | High | Pass |

## Test Plots

U-NII-1 11a CH36 Peak



U-NII-1 11a CH48 Peak



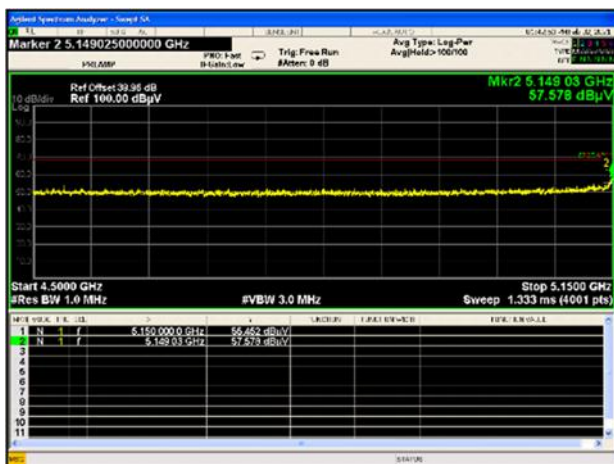
U-NII-1 11a CH36 AV



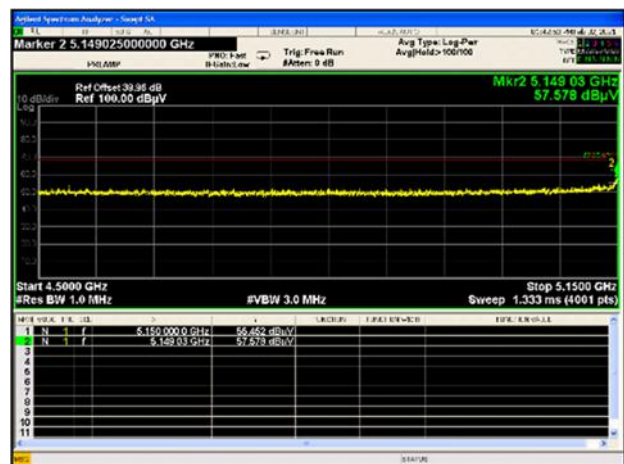
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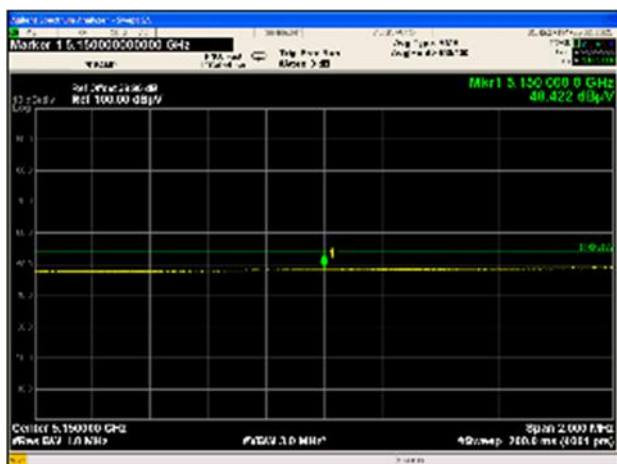
U-NII-1 11n20 CH36 Peak



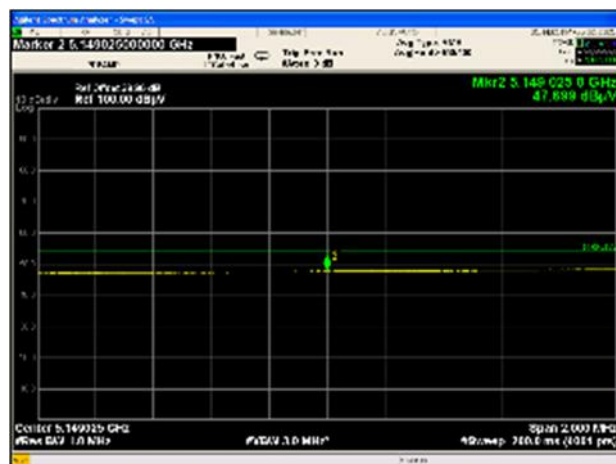
U-NII-1 11n20 CH48 Peak



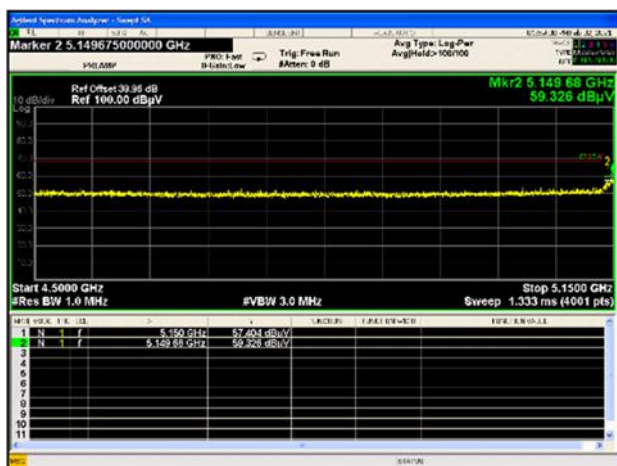
U-NII-1 11n20 CH36 AV



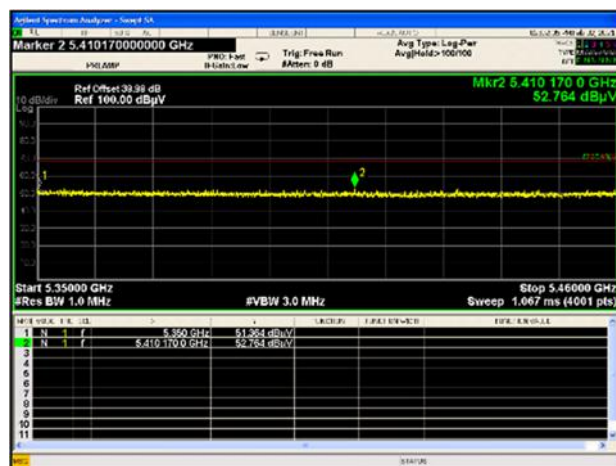
U-NII-1 11n20 CH36 AV



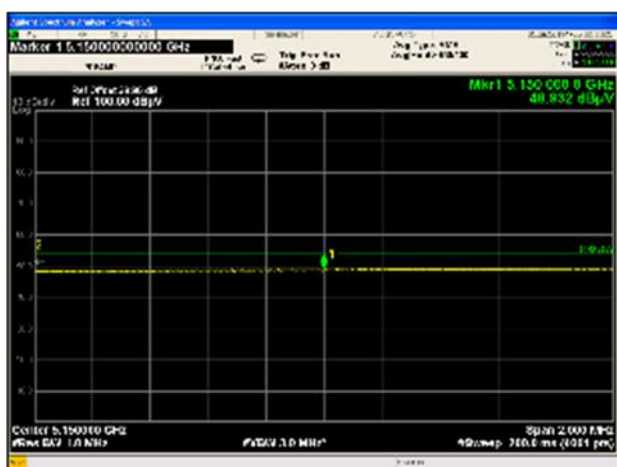
U-NII-1 11n40 CH38 Peak



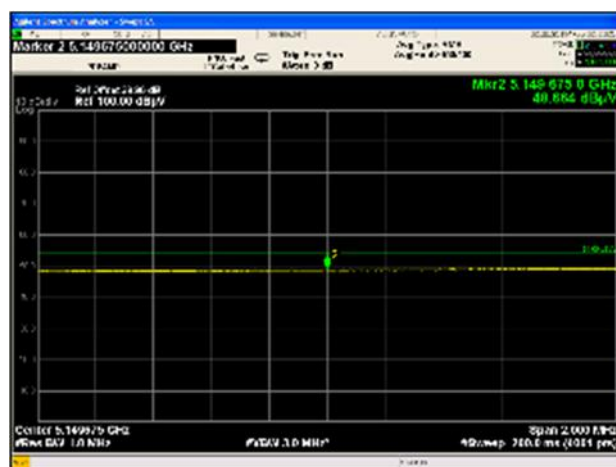
U-NII-1 11n40 CH46 Peak



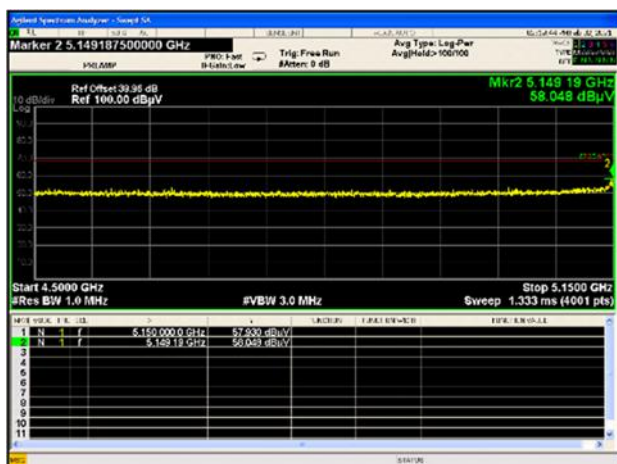
U-NII-1 11n40 CH38 AV



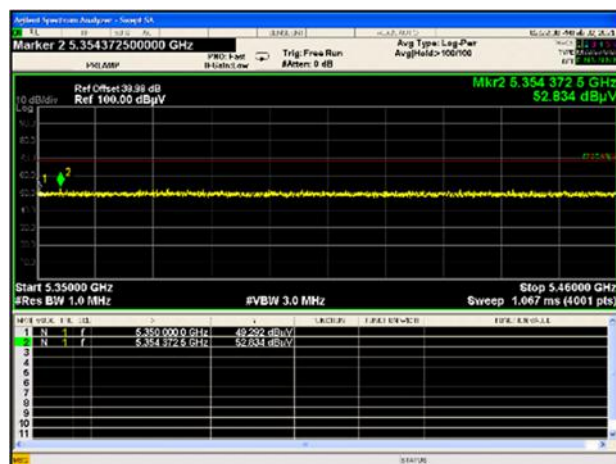
U-NII-1 11n40 CH38 AV



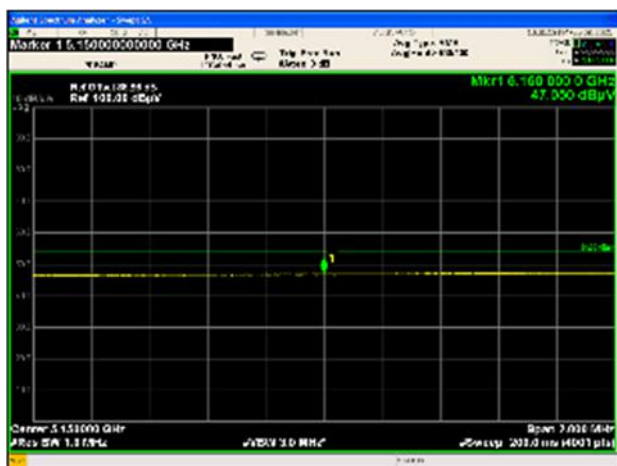
U-NII-1 11ac20 CH36 Peak



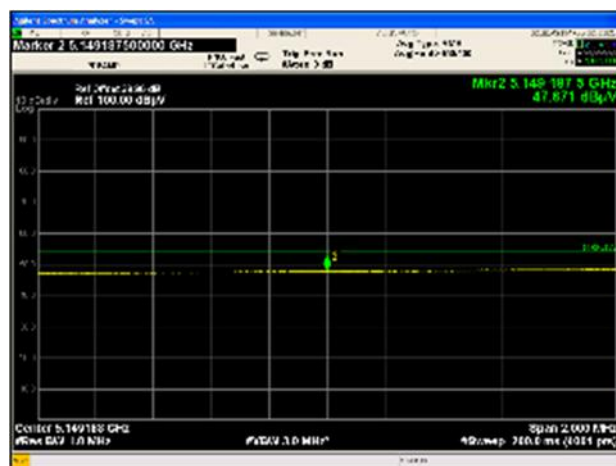
U-NII-1 11ac20 CH48 Peak



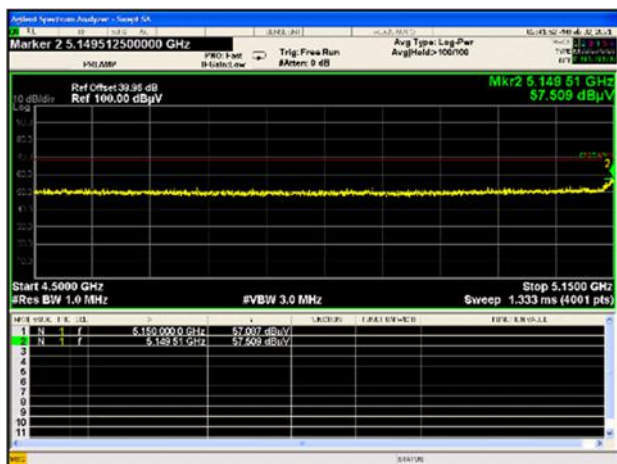
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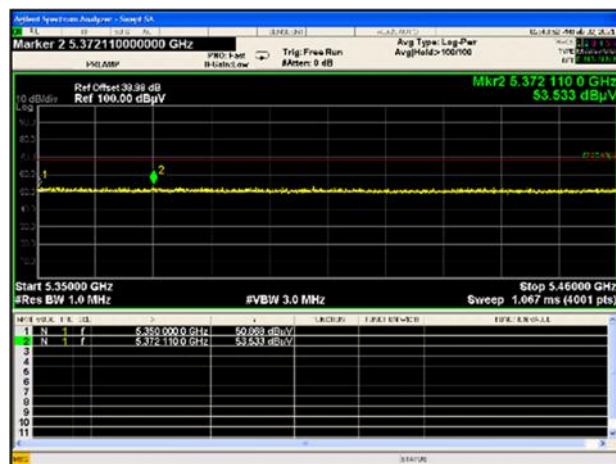
U-NII-1 11ac20 CH36 AV



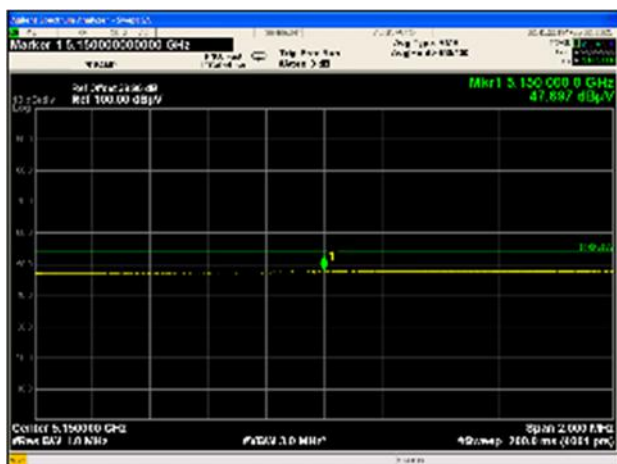
U-NII-1 11ac40 CH38 Peak



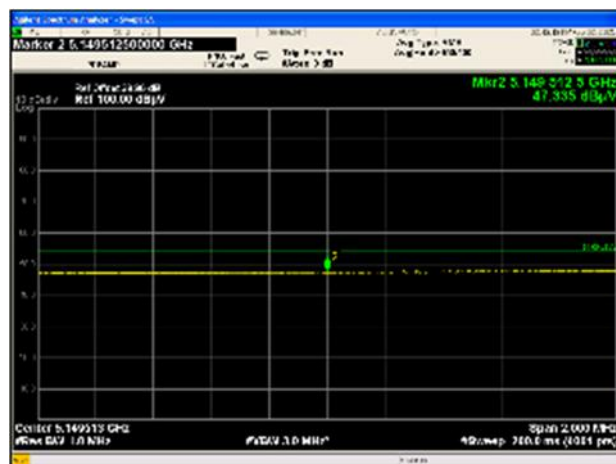
U-NII-1 11ac40 CH46 Peak



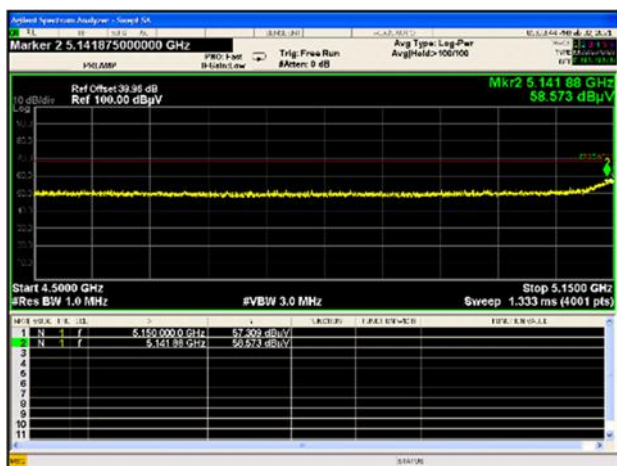
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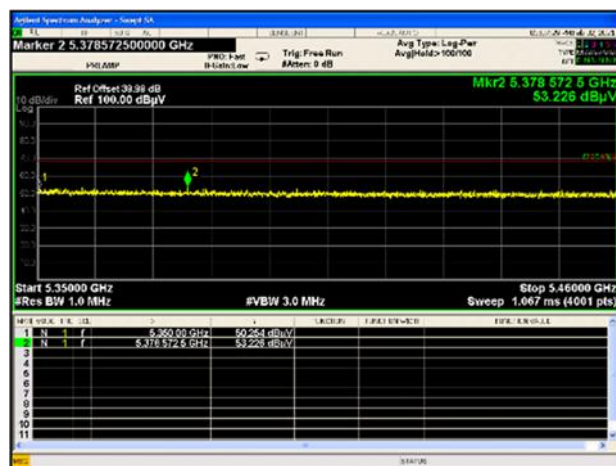
U-NII-1 11ac40 CH38 AV



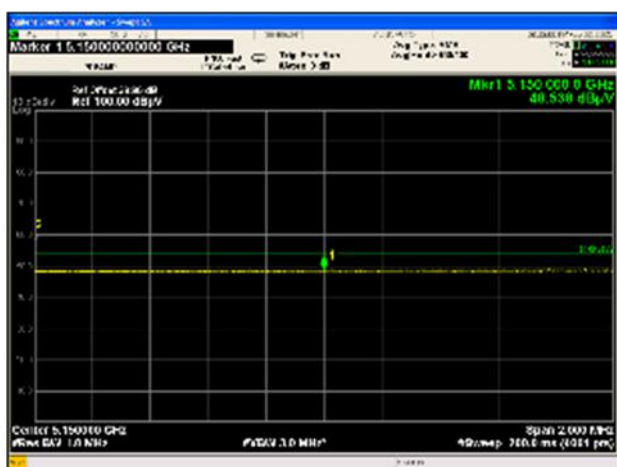
U-NII-1 11ac80 CH42 Peak



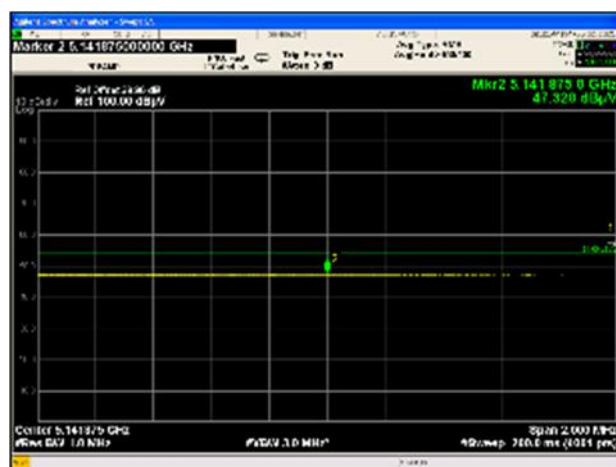
U-NII-1 11ac80 CH42 Peak



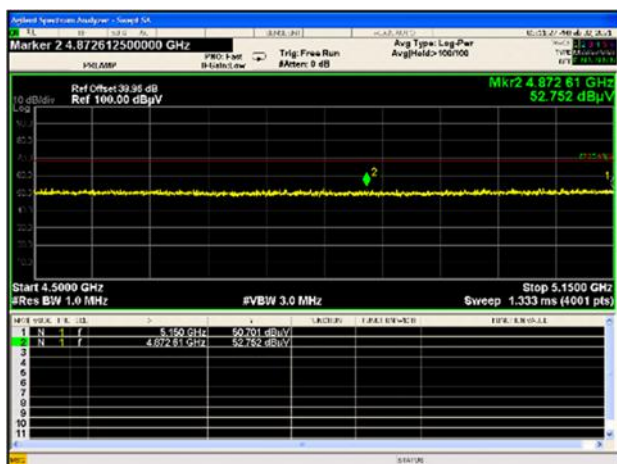
U-NII-1 11ac80 CH42 AV



U-NII-1 11ac80 CH42 AV



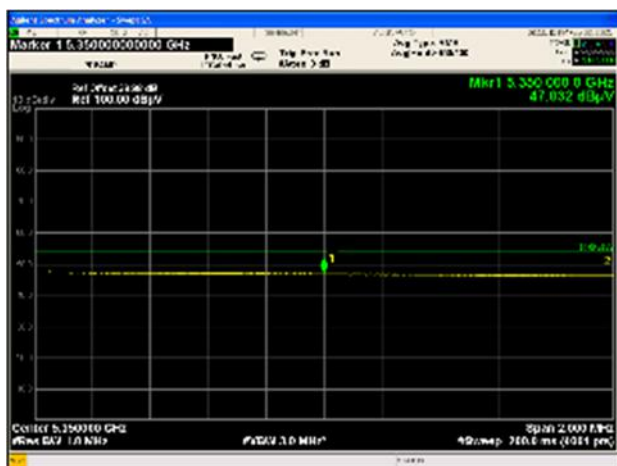
U-NII-2A 11a CH52 Peak



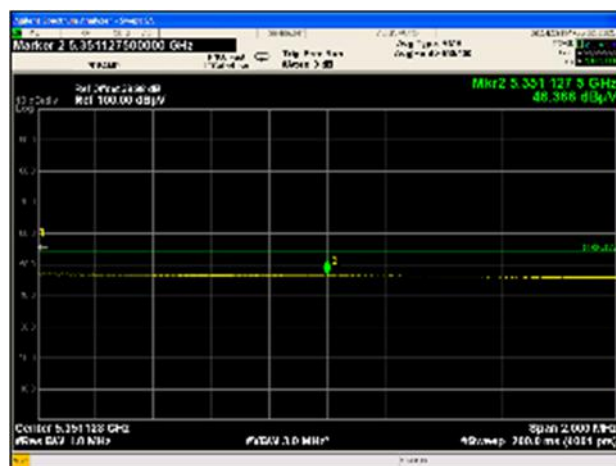
U-NII-2A 11a CH64 Peak



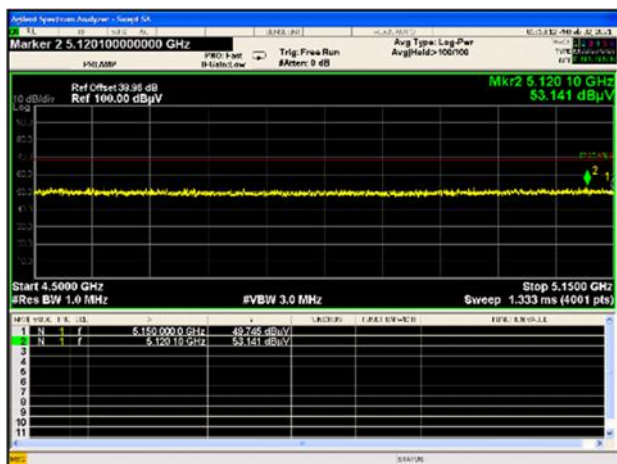
U-NII-2A 11a CH64V



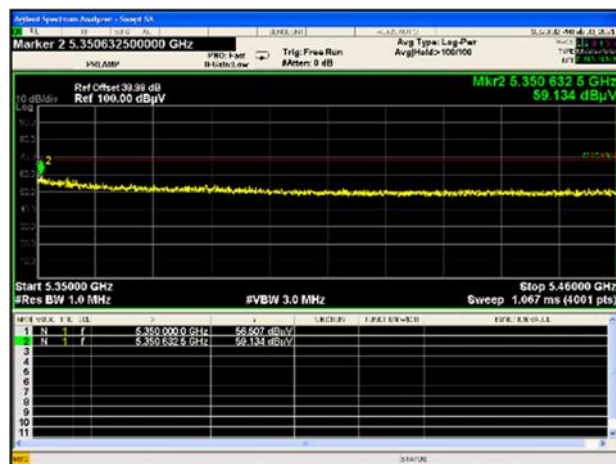
U-NII-2A 11a CH64V



U-NII-2A 11n20 CH52 Peak



U-NII-2A 11n20 CH64 Peak



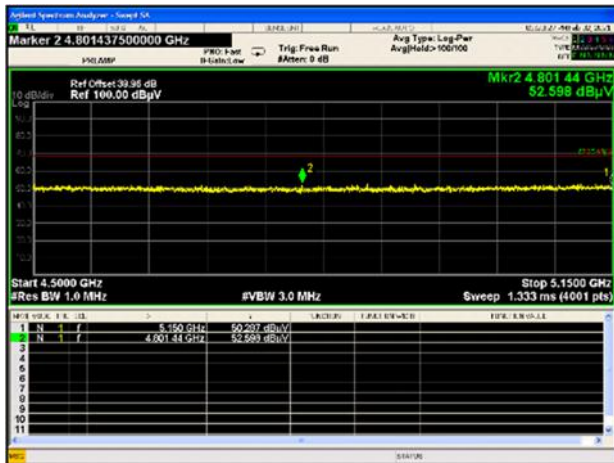
U-NII-2A 11n20 CH64 AV



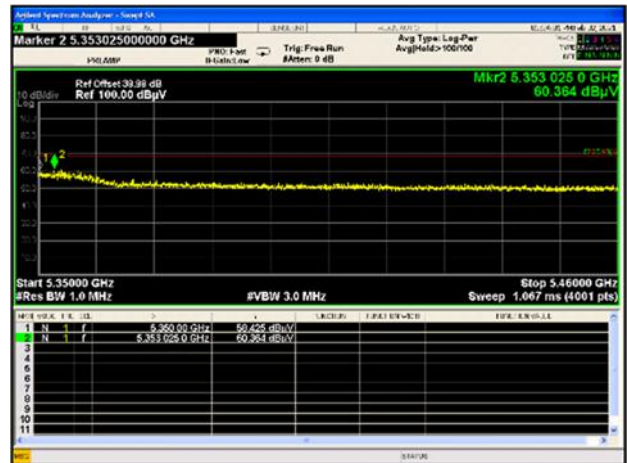
U-NII-2A 11n20 CH64 AV



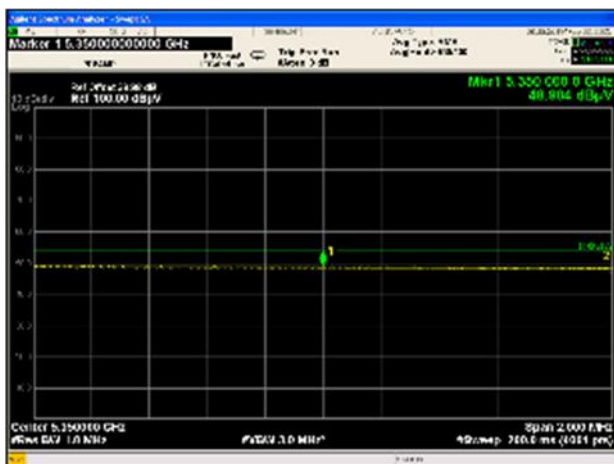
U-NII-2A 11n40 CH54 Peak



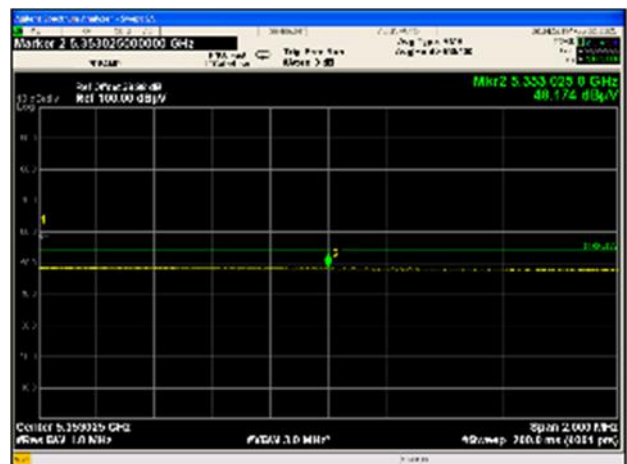
U-NII-2A 11n40 CH62 Peak



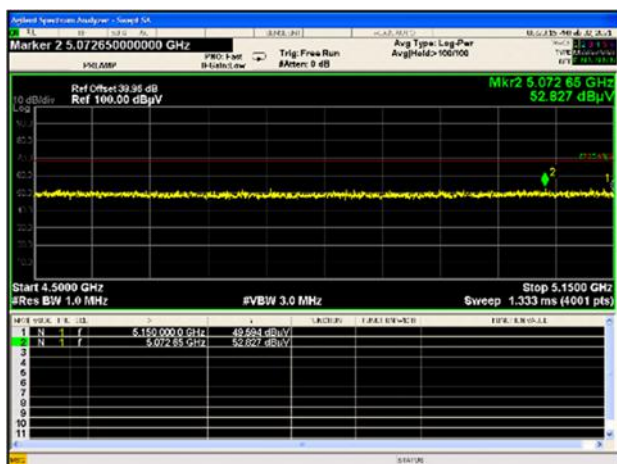
U-NII-2A 11n40 CH54 AV



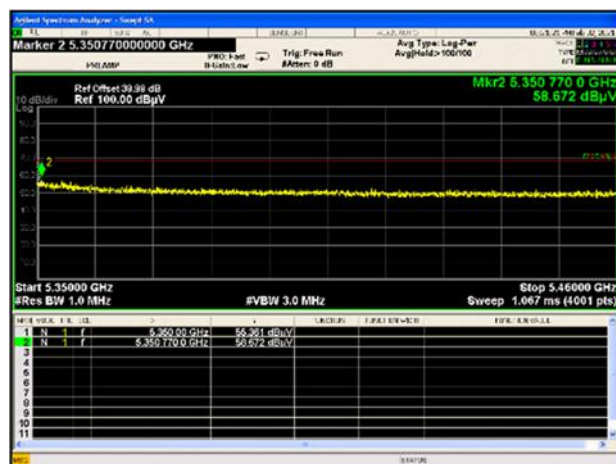
U-NII-2A 11n40 CH62 AV



U-NII-2A 11ac20 CH52 Peak



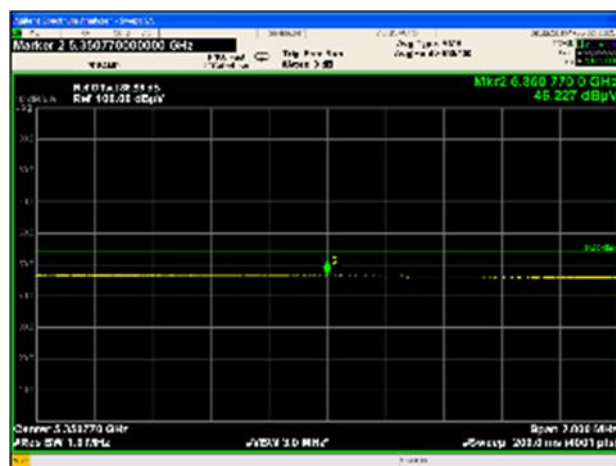
U-NII-2A 11ac20 CH64 Peak



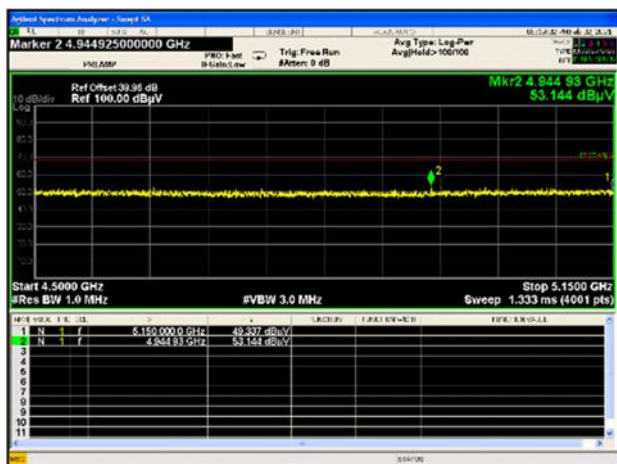
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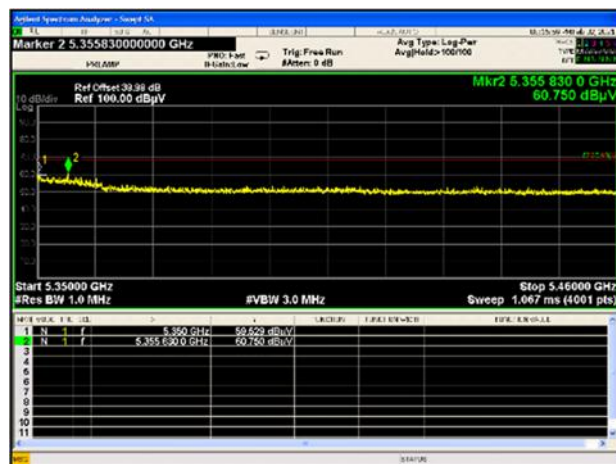
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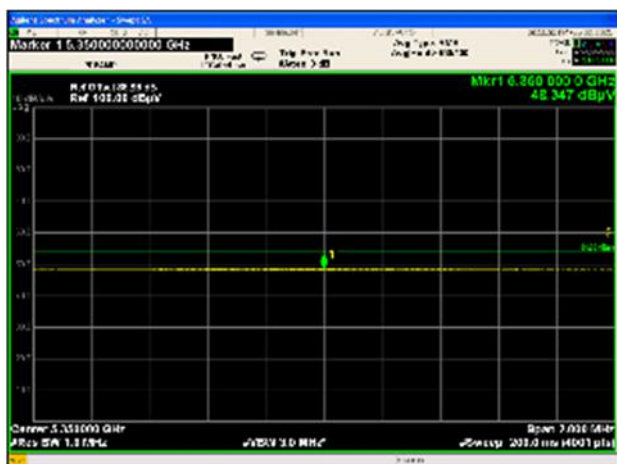
U-NII-2A 11ac40 CH54 Peak



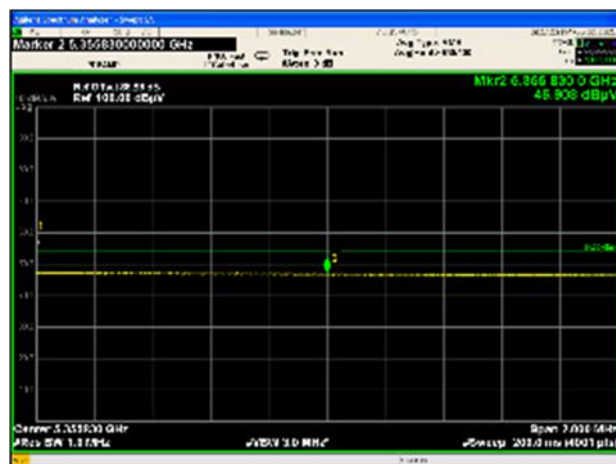
U-NII-2A 11ac40 CH62 Peak



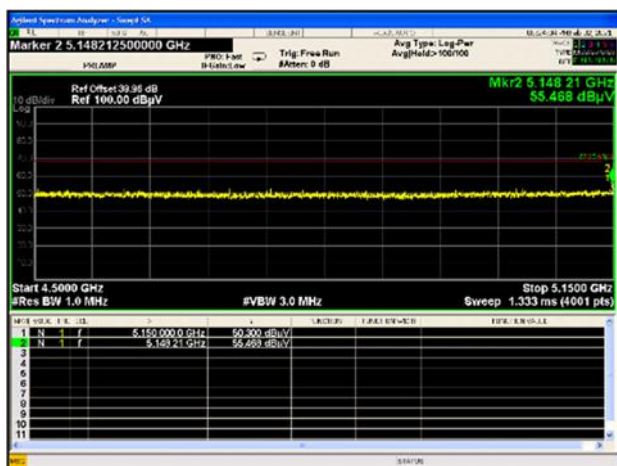
U-NII-2A 11ac40 CH62 AV



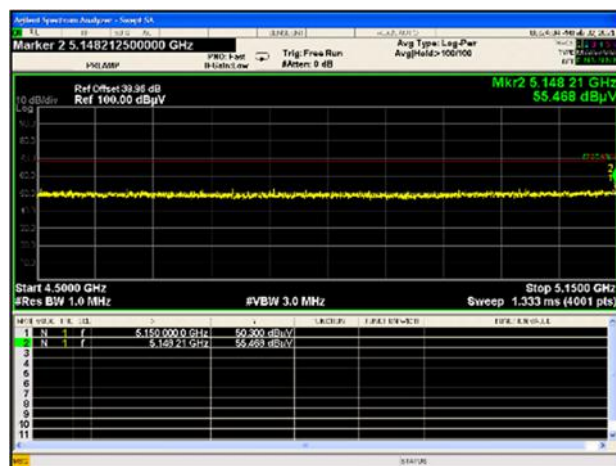
U-NII-2A 11ac40 CH62 AV



U-NII-2A 11ac80 CH58 Peak



U-NII-2A 11ac80 CH58 Peak



U-NII-2A 11ac80 CH58 AV



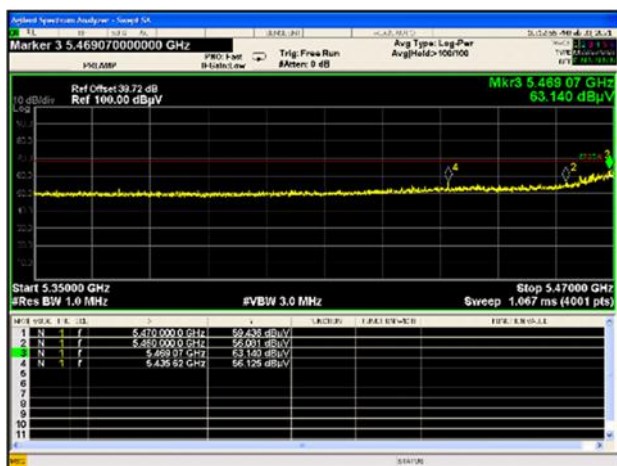
U-NII-2A 11ac80 CH58 AV



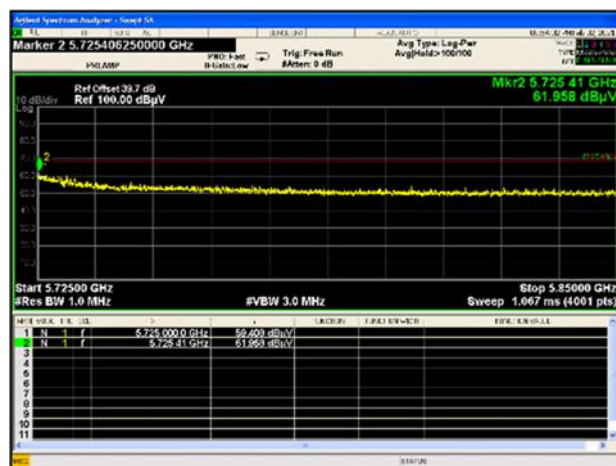
U-NII-2A 11ac80 CH58 AV



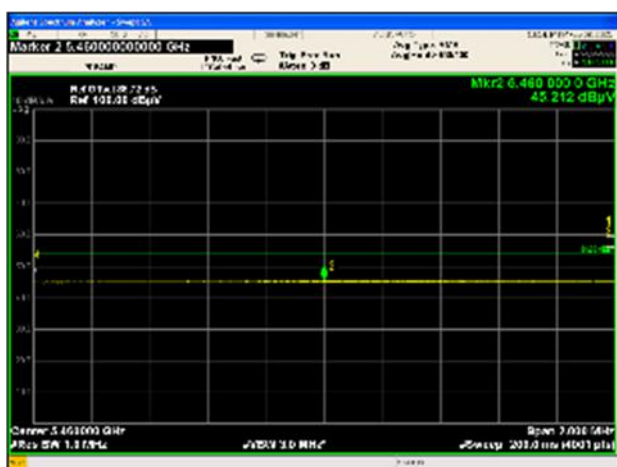
U-NII-2C 11a CH100 Peak



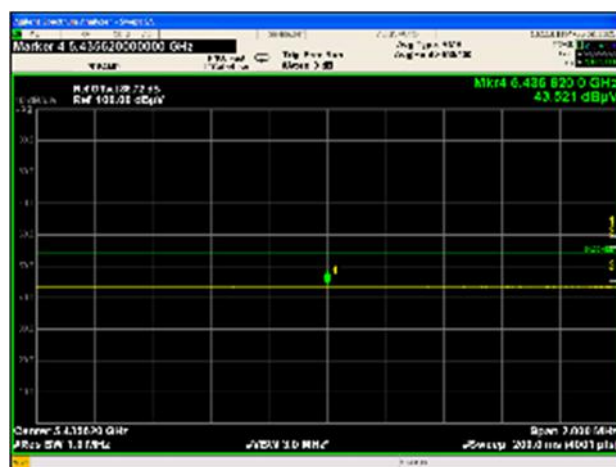
U-NII-2C 11a CH140 Peak



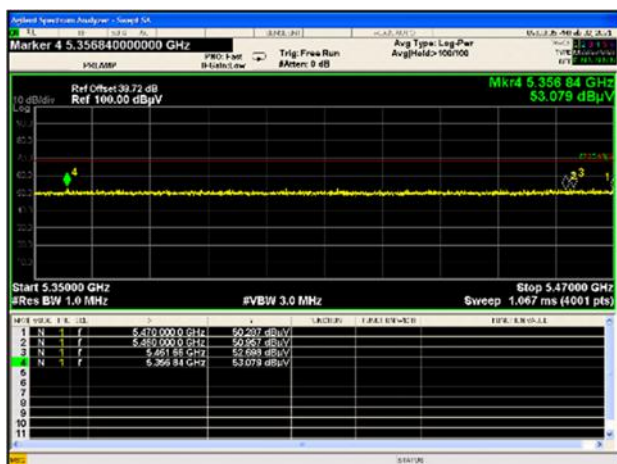
U-NII-2C 11a CH100 AV



U-NII-2C 11a CH100 AV



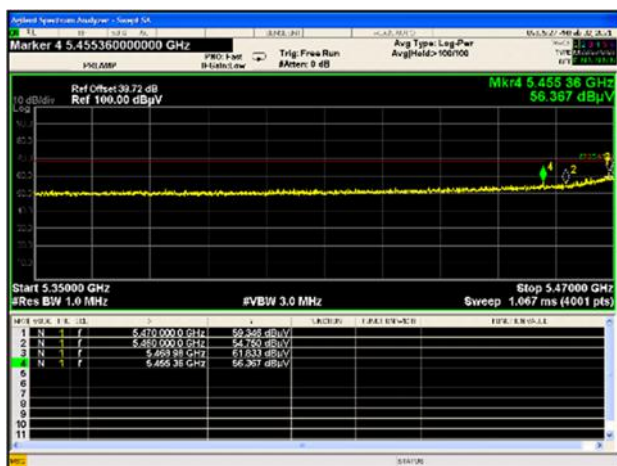
U-NII-2C 11a CH144 Peak



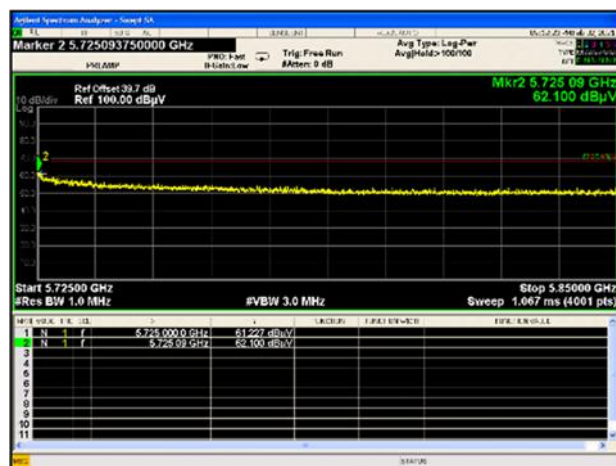
U-NII-2C 11a CH144 Peak



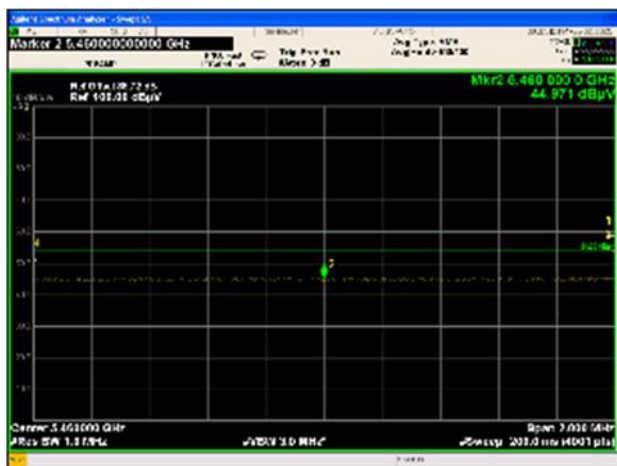
U-NII-2C 11n20 CH100 Peak



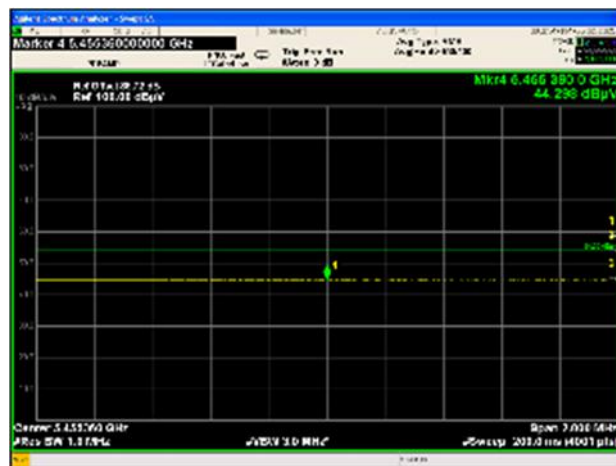
U-NII-2C 11n20 CH140 Peak



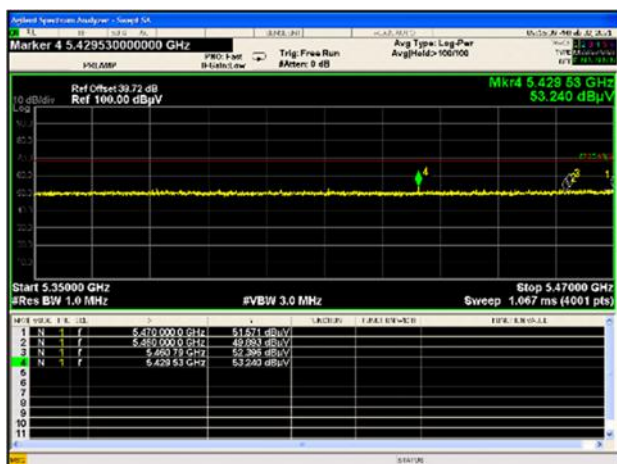
U-NII-2C 11n20 CH100 AV



U-NII-2C 11n20 CH144 Peak



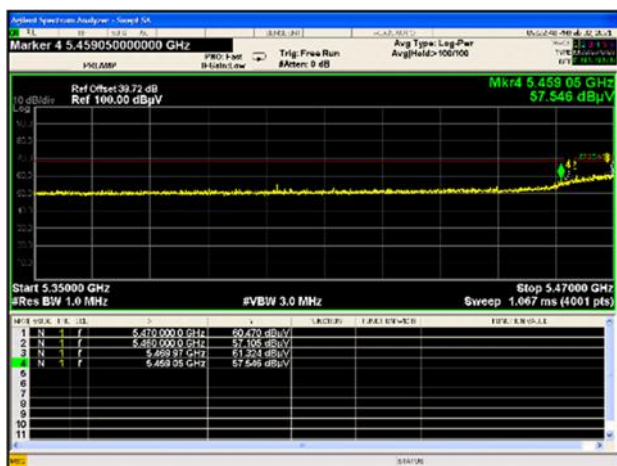
U-NII-2C 11n20 CH144 Peak



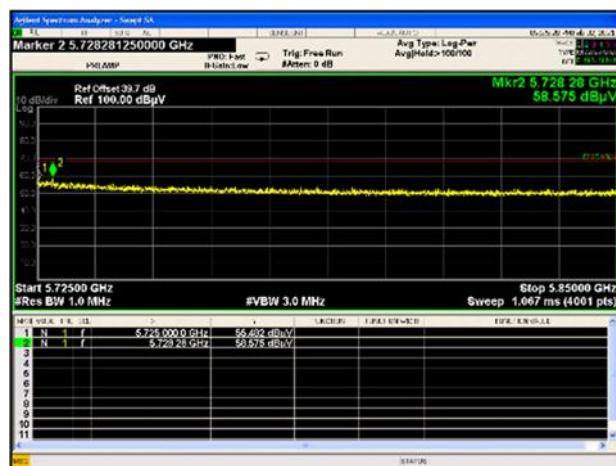
U-NII-2C 11n20 CH144 Peak



U-NII-2C 11n40 CH102 Peak



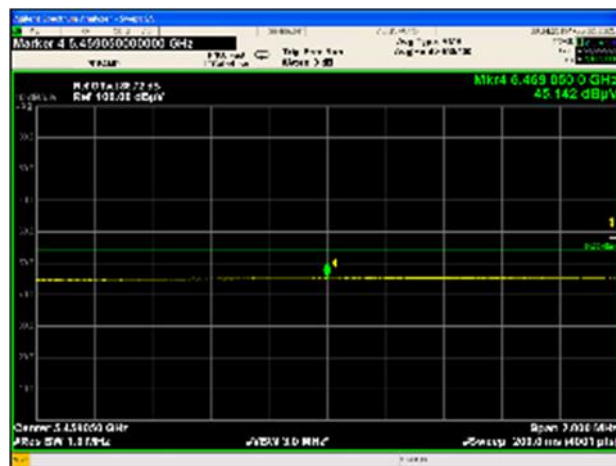
U-NII-2C 11n40 CH134 Peak



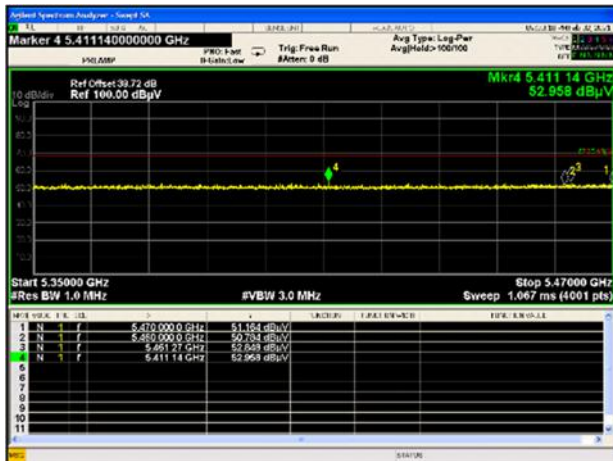
U-NII-2C 11n40 CH102 AV



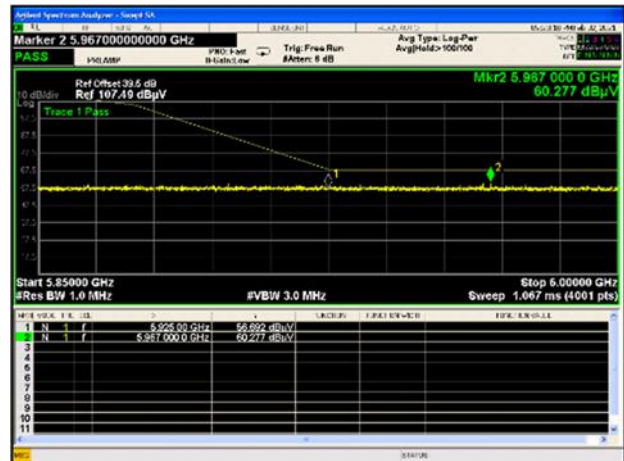
U-NII-2C 11n40 CH102 AV



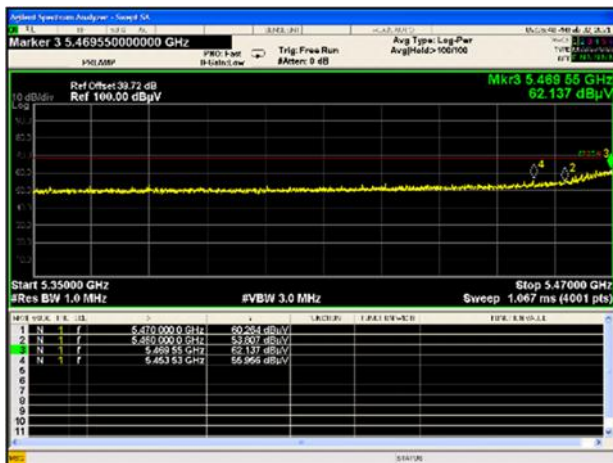
U-NII-2C 11n40 CH142 Peak



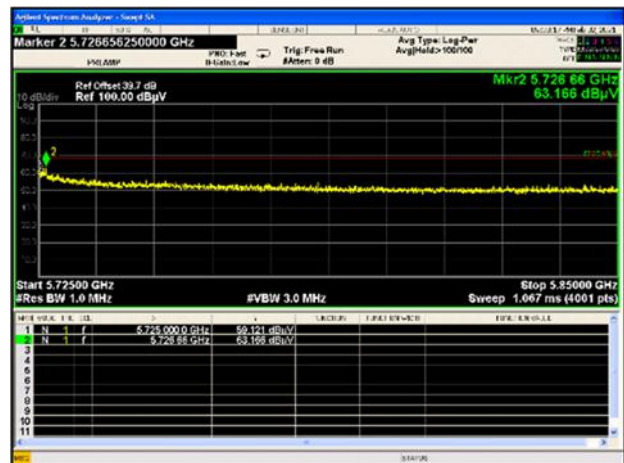
U-NII-2C 11n40 CH142 Peak



U-NII-2C 11ac20 CH100 Peak



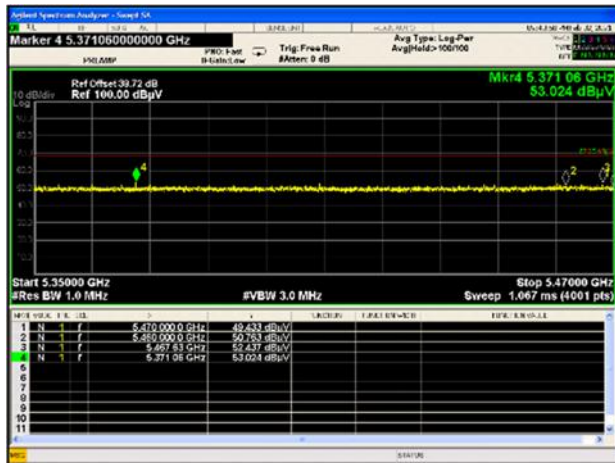
U-NII-2C 11ac20 CH140 Peak



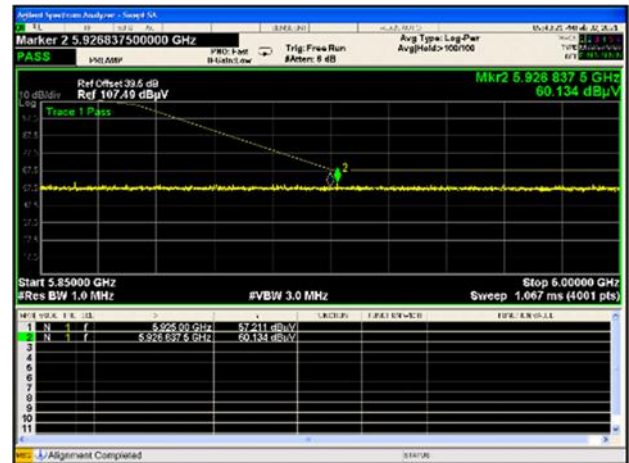
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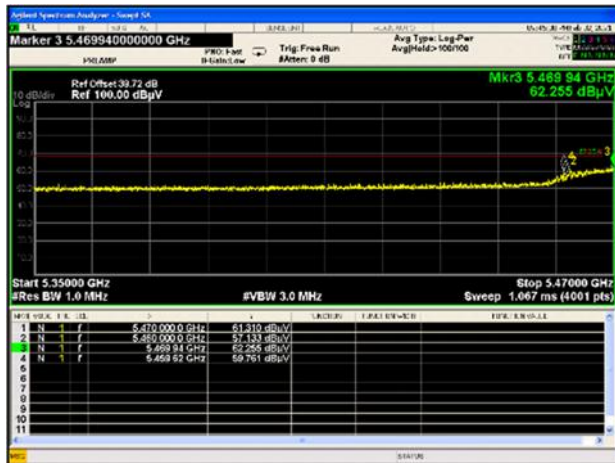
U-NII-2C 11ac20 CH144 Peak



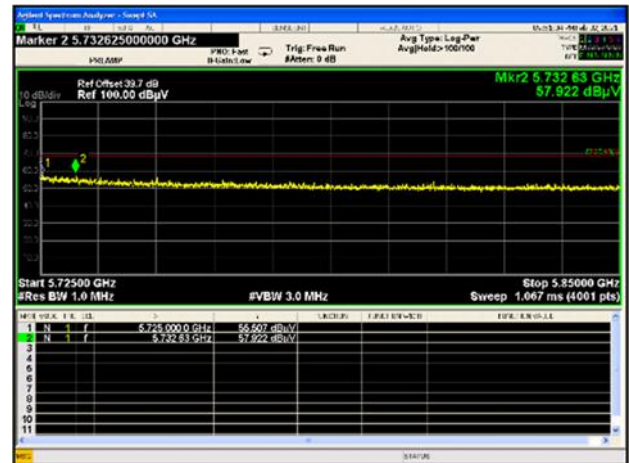
U-NII-2C 11ac20 CH144 Peak



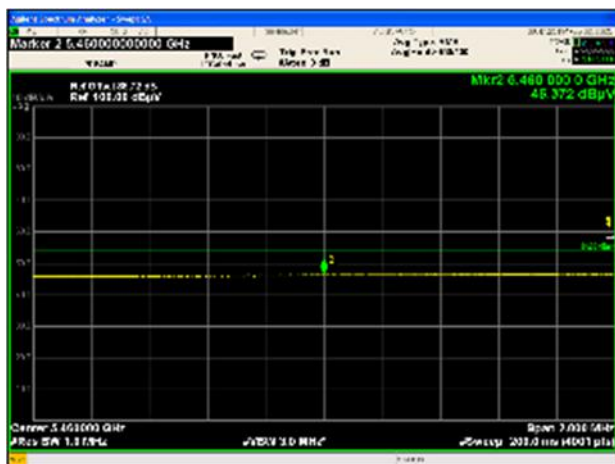
U-NII-2C 11ac40 CH102 Peak



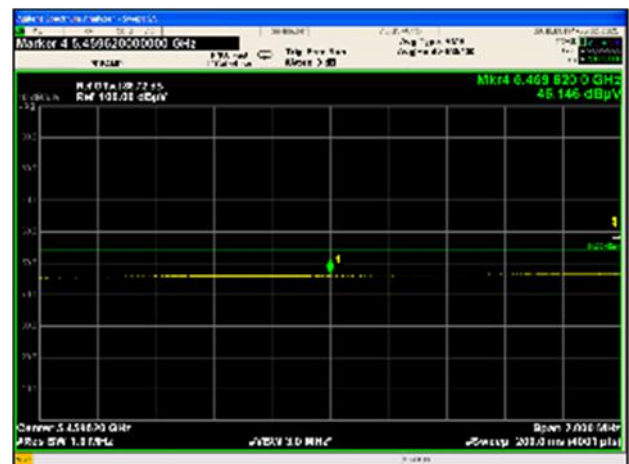
U-NII-2C 11ac40 CH134 Peak



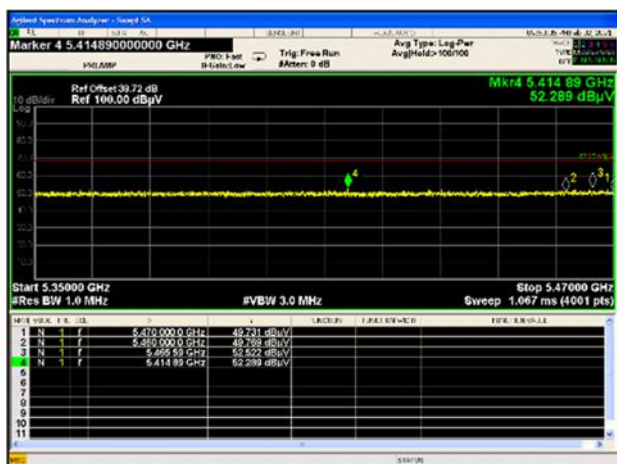
U-NII-2C 11ac40 CH102 AV



U-NII-2C 11ac40 CH102 AV



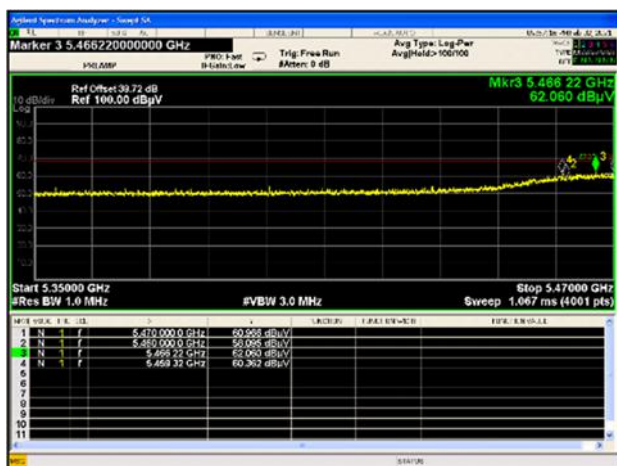
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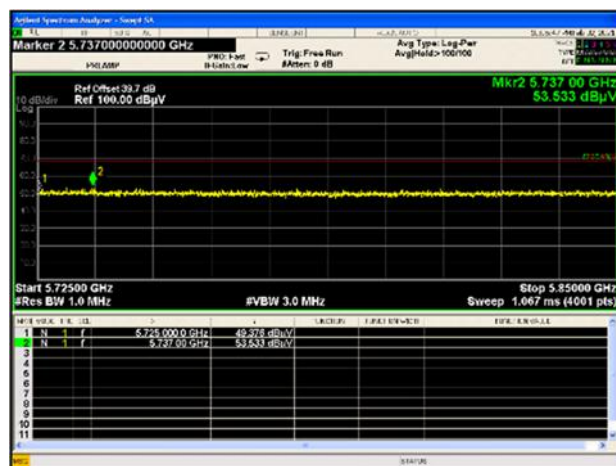
U-NII-2C 11ac40 CH142 Peak



U-NII-2C 11ac80 CH106 Peak



U-NII-2C 11ac80 CH122 Peak



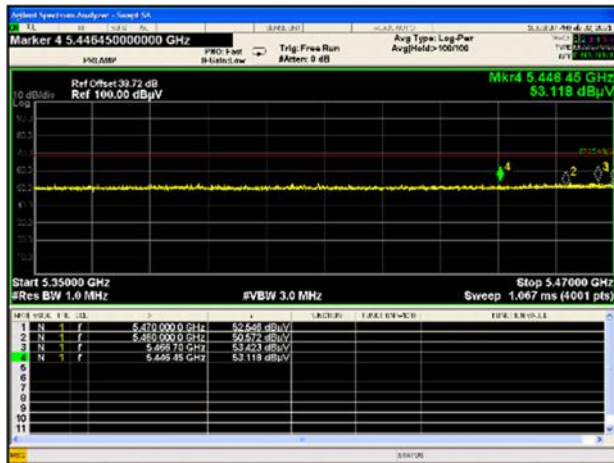
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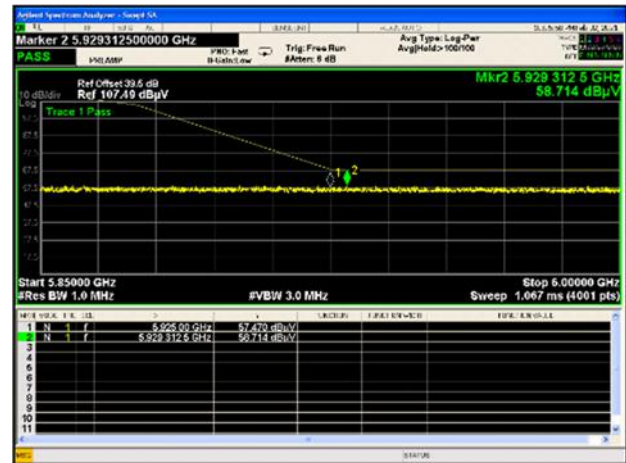
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U-NII-2C 11ac80 CH138 Peak



U-NII-2C 11ac80 CH138 Peak



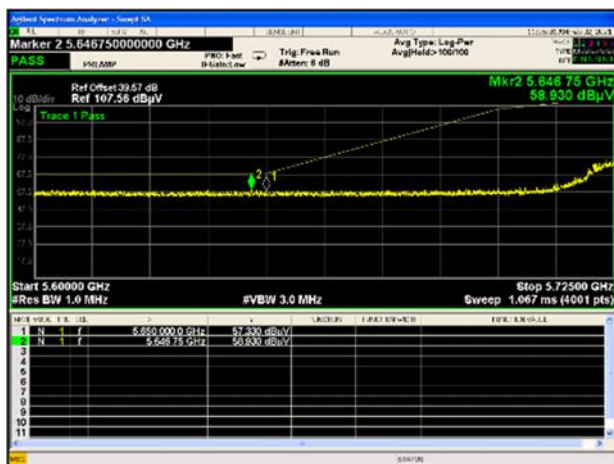
U-NII-3 11a CH149 Peak



U-NII-3 11a CH165 Peak



U-NII-3 11n20 CH149 Peak



U-NII-3 11n20 CH149 Peak



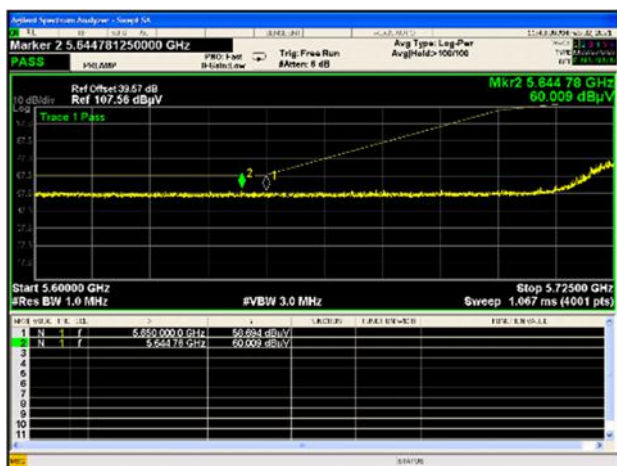
U-NII-3 11n40 CH151 Peak



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-SZ2190504-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ2190504-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ2190504-AI.PDF".

--END OF REPORT--