

FCC

RF

TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**Mobile Phone**

ISSUED TO  
Realme Chongqing Mobile Telecommunications Corp., Ltd.  
No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China.



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Date Jul. 31, 2020

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(Chief Engineer)  
Date Jul. 31, 2020



Report No.: BL-SZ2070204-604  
EUT Name: Mobile Phone  
Model Name: RMX2151  
Brand Name: realme  
Test Standard: 47 CFR Part 15 Subpart E  
FCC ID: 2AUYFRMX2151

Test Conclusion: Pass  
Test Date: Jul. 09, 2020 ~ Jul. 28, 2020  
Date of Issue: Jul. 31, 2020

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**Revision History**

| <u>Version</u> | <u>Issue Date</u>    | <u>Revisions Content</u> |
|----------------|----------------------|--------------------------|
| <u>Rev. 01</u> | <u>Jul. 31, 2020</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Accreditation Certificate | <p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1.</p> <p>The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.</p> <p>The laboratory is a testing organization accredited by American Association for Laboratory Accreditation(A2LA) according to ISO/IEC 17025.The accreditation certificate is 4344.01.</p> <p>The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.</p> |
| 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 | Realme Chongqing Mobile Telecommunications Corp., Ltd.              |
| Address   | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China. |

### 2.2 Manufacturer

|              |                                                                     |
|--------------|---------------------------------------------------------------------|
| Manufacturer | Realme Chongqing Mobile Telecommunications Corp., Ltd.              |
| Address      | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China. |

### 2.3 Factory

|         |                                                                     |
|---------|---------------------------------------------------------------------|
| Factory | Realme Chongqing Mobile Telecommunications Corp., Ltd.              |
| Address | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China. |

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

|                                           |                     |
|-------------------------------------------|---------------------|
| EUT Name                                  | Mobile Phone        |
| Model Name Under Test                     | RMX2151             |
| Series Model Name                         | N/A                 |
| Description of Model name differentiation | N/A                 |
| Serial Number                             | N/A                 |
| Hardware Version                          | V4                  |
| Software Version                          | realme UI1.0        |
| Dimensions (Approx.)                      | 162.35*75.46*9.45mm |
| Weight (Approx.)                          | 198g                |

## 2.5 Technical Information

|                                   |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | 2G Network GSM/GPRS/EDGE 850/1900 MHz<br>3G Network WCDMA/HSDPA/HSUPA/HSPA+/DC-HSDPA Band 2/4/5<br>4G Network FDD LTE Band 2/4/5/7<br>TDD LTE Band 38/41<br>Bluetooth 5.0 (BR+EDR+BLE)<br>2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40)<br>5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80)<br>Band 1/2A/2C/3, GPS, GLONASS, BDS, NFC |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                                                         |                                                                                                                                    |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range                                         | Band I: 5150 MHz to 5250 MHz,<br>Band II: 5250 MHz to 5350 MHz,<br>Band III: 5470 MHz to 5725 MHz<br>Band IV: 5725 MHz to 5850 MHz |
| Product Type                                            | <input type="checkbox"/> Mobile<br><input checked="" type="checkbox"/> Portable<br><input type="checkbox"/> Fix Location           |
| Modulation technology                                   | OFDM                                                                                                                               |
| Modulation Type                                         | 256QAM, 64QAM, 16QAM, BPSK, QPSK                                                                                                   |
| Product Type                                            | Portable for FCC standard                                                                                                          |
| Transfer Rate (Mbps)<br>(Single RF path)                | 802.11a: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6 Mbps<br>802.11n: up to 150 Mbps<br>802.11ac: up to VHT-MCS9                                  |
| Channel Bandwidth                                       | 802.11a: 20 MHz<br>802.11n: 20 MHz, 40 MHz<br>802.11ac: 20 MHz, 40 MHz, 80 MHz                                                     |
| Maximum Output Power                                    | Band I: 17.34 dBm<br>Band II: 17.31 dBm<br>Band III: 17.32 dBm<br>Band IV: 15.56 dBm                                               |
| Antenna System (eg., MIMO, Smart Antenna)               | N/A                                                                                                                                |
| Categorization as Correlated or Completely Uncorrelated | N/A                                                                                                                                |
| Antenna Type                                            | PIFA Antenna                                                                                                                       |
| Antenna Gain                                            | -3 dBi (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 | ***#3646633#*** |
|-----------------------|-----------------|

| Band I (5150 - 5250 MHz) Power level setup in software |         |                 |          |
|--------------------------------------------------------|---------|-----------------|----------|
| Mode                                                   | Channel | Frequency (MHz) | Soft Set |
| 11a                                                    | CH36    | 5180            | 16.00    |
| 11a                                                    | CH44    | 5220            | 16.50    |
| 11a                                                    | CH48    | 5240            | 16.50    |
| 11n (HT20)                                             | CH36    | 5180            | 14.00    |
| 11n (HT20)                                             | CH44    | 5220            | 14.00    |
| 11n (HT20)                                             | CH48    | 5240            | 14.00    |
| 11n (HT40)                                             | CH38    | 5190            | 12.00    |
| 11n (HT40)                                             | CH46    | 5230            | 13.00    |
| 11ac (VHT20)                                           | CH36    | 5180            | 13.00    |
| 11ac (VHT20)                                           | CH44    | 5220            | 13.00    |
| 11ac (VHT20)                                           | CH48    | 5240            | 13.00    |
| 11ac (VHT40)                                           | CH38    | 5190            | 11.00    |
| 11ac (VHT40)                                           | CH46    | 5230            | 11.00    |
| 11ac (VHT80)                                           | CH42    | 5210            | 10.00    |

| Band II (5250 - 5350 MHz) Power level setup in software |         |                 |          |
|---------------------------------------------------------|---------|-----------------|----------|
| Mode                                                    | Channel | Frequency (MHz) | Soft Set |
| 11a                                                     | CH52    | 5260            | 16.50    |
| 11a                                                     | CH60    | 5300            | 16.50    |
| 11a                                                     | CH64    | 5320            | 15.00    |
| 11n (HT20)                                              | CH52    | 5260            | 14.00    |
| 11n (HT20)                                              | CH60    | 5300            | 14.00    |
| 11n (HT20)                                              | CH64    | 5320            | 14.00    |
| 11n (HT40)                                              | CH54    | 5270            | 13.00    |
| 11n (HT40)                                              | CH62    | 5310            | 12.00    |
| 11ac (VHT20)                                            | CH52    | 5260            | 13.00    |
| 11ac (VHT20)                                            | CH60    | 5300            | 13.00    |
| 11ac (VHT20)                                            | CH64    | 5320            | 13.00    |
| 11ac (VHT40)                                            | CH54    | 5270            | 11.00    |
| 11ac (VHT40)                                            | CH62    | 5310            | 10.50    |
| 11ac (VHT80)                                            | CH58    | 5290            | 10.00    |

| Band III (5470 - 5725 MHz) Power level setup in software |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Mode                                                     | Channel | Frequency (MHz) | Soft Set |
| 11a                                                      | CH100   | 5500            | 14.00    |
| 11a                                                      | CH116   | 5580            | 16.50    |
| 11a                                                      | CH140   | 5700            | 13.50    |
| 11n (HT20)                                               | CH100   | 5500            | 14.00    |
| 11n (HT20)                                               | CH116   | 5580            | 14.00    |
| 11n (HT20)                                               | CH140   | 5700            | 14.00    |
| 11n (HT40)                                               | CH102   | 5510            | 12.00    |
| 11n (HT40)                                               | CH118   | 5590            | 13.00    |
| 11n (HT40)                                               | CH134   | 5670            | 13.00    |
| 11ac (VHT20)                                             | CH100   | 5500            | 13.00    |
| 11ac (VHT20)                                             | CH116   | 5580            | 13.00    |
| 11ac (VHT20)                                             | CH140   | 5700            | 13.00    |
| 11ac (VHT40)                                             | CH102   | 5510            | 11.00    |
| 11ac (VHT40)                                             | CH118   | 5590            | 11.00    |
| 11ac (VHT40)                                             | CH134   | 5670            | 11.00    |
| 11ac (VHT80)                                             | CH106   | 5530            | 10.00    |
| 11ac (VHT80)                                             | CH122   | 5610            | 10.00    |

| Band IV (5725 - 5850 MHz) Power level setup in software |         |                 |          |
|---------------------------------------------------------|---------|-----------------|----------|
| Mode                                                    | Channel | Frequency (MHz) | Soft Set |
| 11a                                                     | CH149   | 5745            | 14.00    |
| 11a                                                     | CH157   | 5785            | 14.00    |
| 11a                                                     | CH165   | 5825            | 14.00    |
| 11n (HT20)                                              | CH149   | 5745            | 14.00    |
| 11n (HT20)                                              | CH157   | 5785            | 14.00    |
| 11n (HT20)                                              | CH165   | 5825            | 14.00    |
| 11n (HT40)                                              | CH149   | 5745            | 13.00    |
| 11n (HT40)                                              | CH157   | 5785            | 13.00    |
| 11ac (VHT20)                                            | CH149   | 5745            | 13.00    |
| 11ac (VHT20)                                            | CH157   | 5785            | 13.00    |
| 11ac (VHT20)                                            | CH165   | 5825            | 13.00    |
| 11ac (VHT40)                                            | CH149   | 5745            | 11.00    |
| 11ac (VHT40)                                            | CH157   | 5785            | 11.00    |
| 11ac (VHT80)                                            | CH155   | 5775            | 10.00    |

2:33      

### WiFi\_Tx

NSS ☒ 1 ☐ 2

☒ WF0 ☐ WF1

☐ Duplicate mode

ANT-SWAP ☒ WBG ANT ☐ SEC ANT

Bandwidth: 20MHz 

DBW: BW20 

Primary Ch: 0 

Tx0 channel: Channel 36 [5180MHz] 

Rate: 6M 

Pkt length: 1024

Pkt cnt: 0

Tx power (dBm): 16.0

Preamble: Normal 

Guard interval: normal GI 

Mode: continuous packet tx 

## 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>122</b>     | <b>5610</b>     |
| <b>52</b>      | <b>5260</b>     | <b>102</b>     | <b>5510</b>     | <b>155</b>     | <b>5775</b>     |
| 56             | 5280            | 110            | 5550            |                |                 |
| <b>60</b>      | <b>5300</b>     | <b>118</b>     | <b>5590</b>     |                |                 |
| <b>64</b>      | <b>5320</b>     | <b>134</b>     | <b>5670</b>     |                |                 |
| <b>100</b>     | <b>5500</b>     | <b>142</b>     | <b>5710</b>     |                |                 |
| 104            | 5520            | <b>151</b>     | <b>5755</b>     |                |                 |
| 108            | 5540            | <b>159</b>     | <b>5795</b>     |                |                 |
| 112            | 5560            |                |                 |                |                 |
| <b>116</b>     | <b>5580</b>     |                |                 |                |                 |
| 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>     |                |                 |                |                 |

Note: Until further notice, devices subject to this section shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of weather radars operating in this band.

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

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

| Band I (5150 - 5250 MHz) |         |                 | Band II (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            |

| Band III (5470 - 5725 MHz) |         |                 | Band IV (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 100                        | Low     | 5500            | 149                       | Low     | 5745            |
| 116                        | Mid     | 5580            | 157                       | Mid     | 5785            |
| 140                        | High    | 5700            | 165                       | High    | 5825            |

For 802.11n(HT40)/ac(VHT40)

| Band I (5150 - 5250 MHz) |         |                 | Band II (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            |

| Band III (5150 - 5250 MHz) |         |                 | Band IV (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 102                        | Low     | 5510            | 151                       | Low     | 5755            |
| 118                        | Mid     | 5590            | 159                       | High    | 5795            |
| 134                        | High    | 5670            |                           |         |                 |

For 802.11ac(VHT80)

| Band I (5150 - 5250 MHz) |         |                 | Band II (5250 - 5350 MHz) |         |                 |
|--------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number           | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 42                       | Mid     | 5210            | 58                        | Mid     | 5290            |

| Band III (5470 - 5725 MHz) |         |                 | Band IV (5725 - 5850 MHz) |         |                 |
|----------------------------|---------|-----------------|---------------------------|---------|-----------------|
| Channel Number             | Channel | Frequency (MHz) | Channel Number            | Channel | Frequency (MHz) |
| 106                        | Low     | 5530            | 155                       | Mid     | 5775            |
| 122                        | High    | 5610            |                           |         |                 |

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

| Test Items                                  | Mode         | Data Rate | Modulation Type | Band I Channel | Band II Channel | Band III Channel | Band IV Channel |
|---------------------------------------------|--------------|-----------|-----------------|----------------|-----------------|------------------|-----------------|
| RF Output Power                             | 11a          | 6         | BPSK            | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42             | 58              | 122/106          | 155             |
| Emission Bandwidth & 99% Occupied Bandwidth | 11a          | 6         | BPSK            | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42             | 58              | 122/106          | 155             |
| 6 dB bandwidth                              | 11a          | 6         | BPSK            | N/A            | N/A             | N/A              | 165/157/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | N/A            | N/A             | N/A              | 165/157/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | N/A            | N/A             | N/A              | 159/151         |
|                                             | 11ac(20 MHz) | 6.5       |                 | N/A            | N/A             | N/A              | 165/157/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | N/A            | N/A             | N/A              | 159/151         |
|                                             | 11ac(80 MHz) | 29.3      |                 | N/A            | N/A             | N/A              | 155             |
| Power Spectral Density                      | 11a          | 6         | BPSK            | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42             | 58              | 122/106          | 155             |
| Radiated Spurious Emissions                 | 11a          | 6         | BPSK            | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42             | 58              | 122/106          | 155             |
| Band Edge (Restricted -band)                | 11a          | 6         | BPSK            | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36       | 64/60/52        | 140/116/100      | 165/157/149     |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38          | 62/54           | 134/118/102      | 159/151         |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42             | 58              | 122/106          | 155             |

### 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 D02v01r04              | 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 band 30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable

## 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)     | 3.87 V         |
|                            | LV (Low Voltage)        | 3.6 V          |
|                            | HV (High Voltage)       | 4.45 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 | 2019.01.06 | 2021.01.05 |
| 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   | 2019.11.12 | 2020.11.11 |
| Ear Simulator     | B&K          | 4185   | 2409449    | 2019.11.12 | 2020.11.11 |
| Ear Simulator     | B&K          | 4195   | 2418189    | 2019.11.12 | 2020.11.11 |
| Audio analyzer    | B&K          | UPL 16 | 100129     | 2019.11.12 | 2020.11.11 |

### 4.3 Measurement Uncertainty

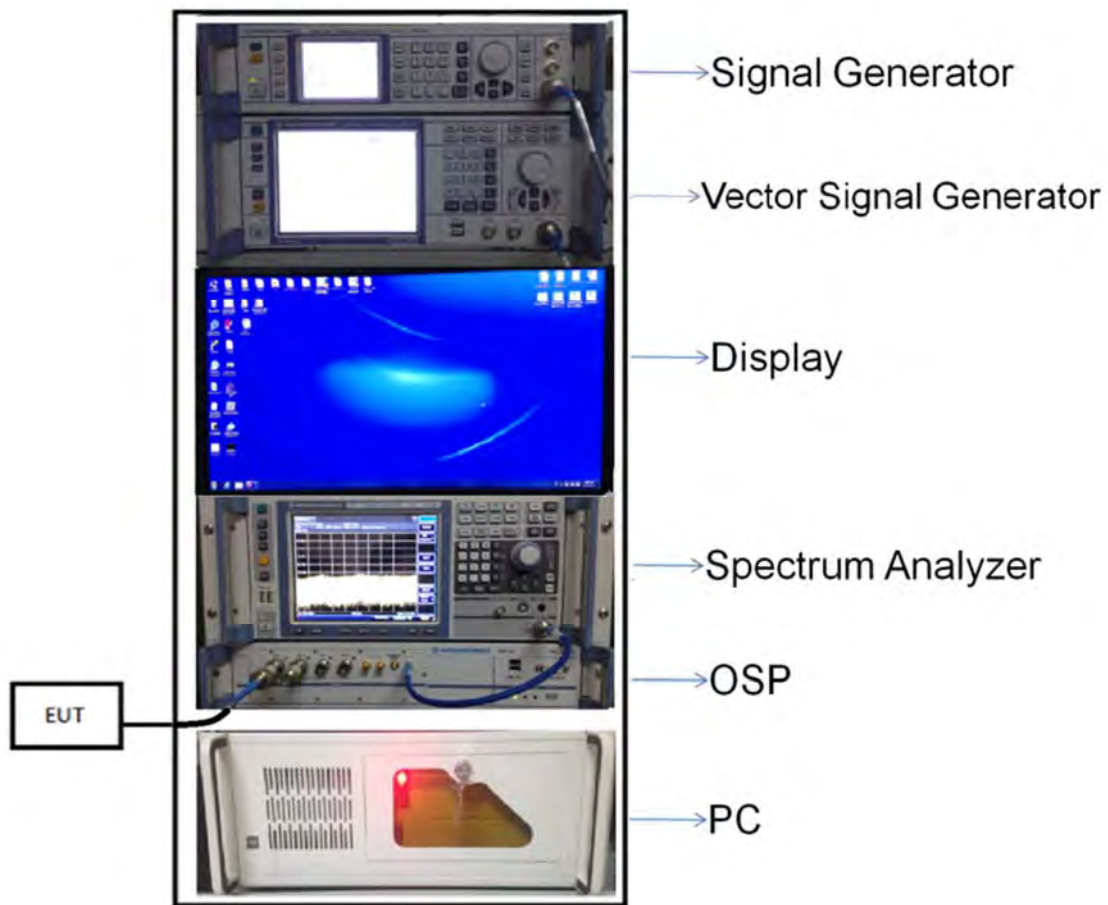
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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        | ±4%     |
| RF output power, conducted        | ±1.4 dB |
| Power Spectral Density, conducted | ±2.5 dB |
| Unwanted Emissions, conducted     | ±2.8 dB |
| All emissions, radiated           | ±5.4 dB |
| Temperature                       | ±1°C    |
| Humidity                          | ±4%     |

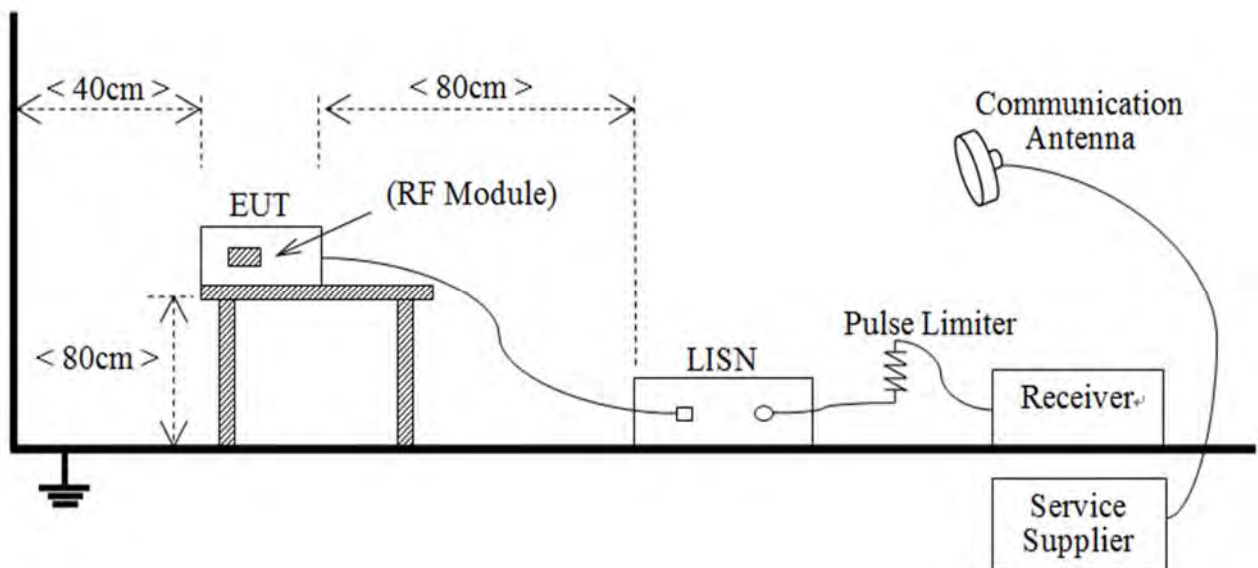
## 4.4 Description of Test Setup

### 4.4.1 For Antenna Port Test



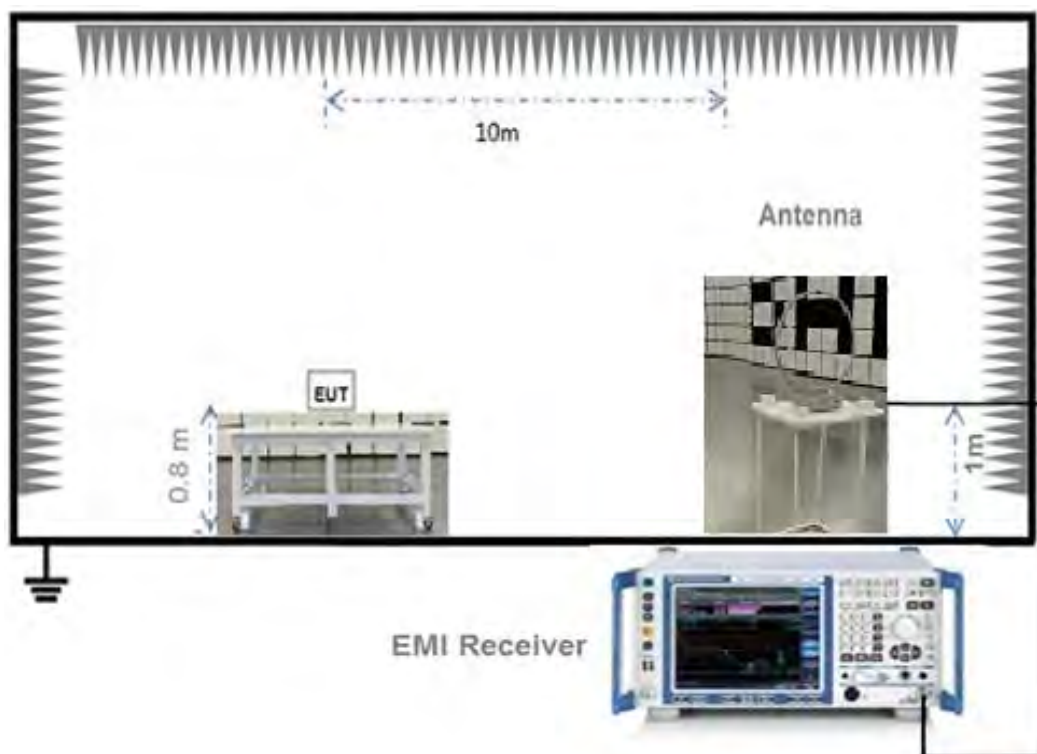
(Diagram 1)

### 4.4.2 For AC Power Supply Port Test



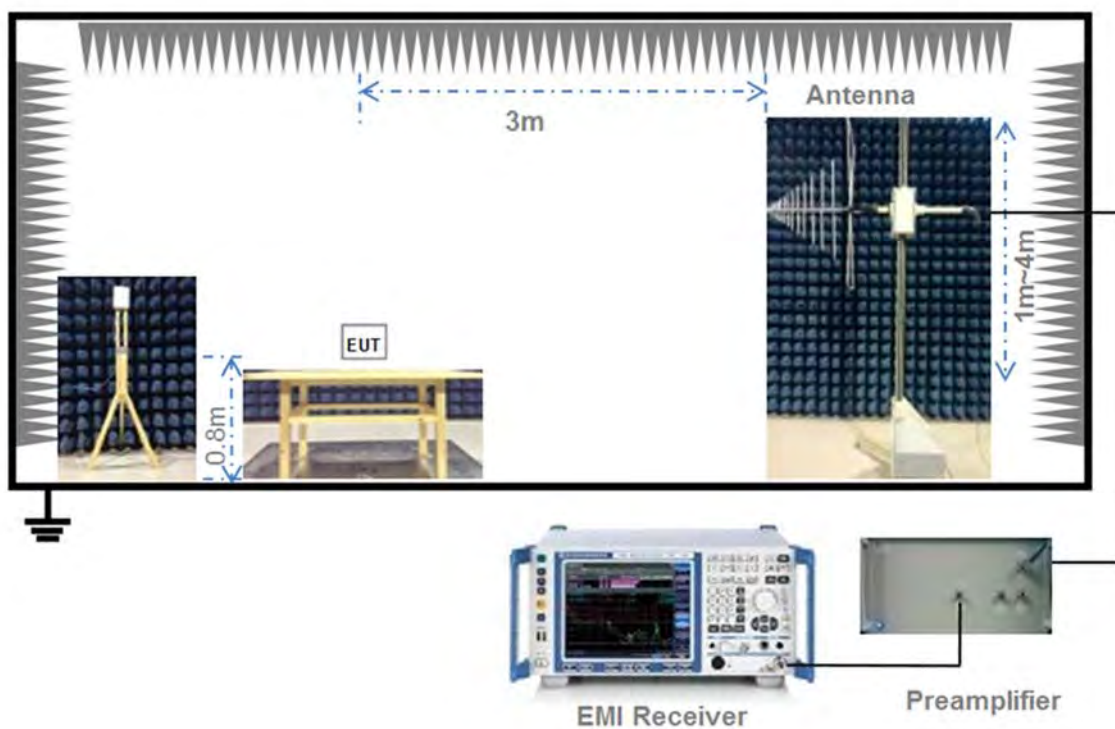
(Diagram 2)

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



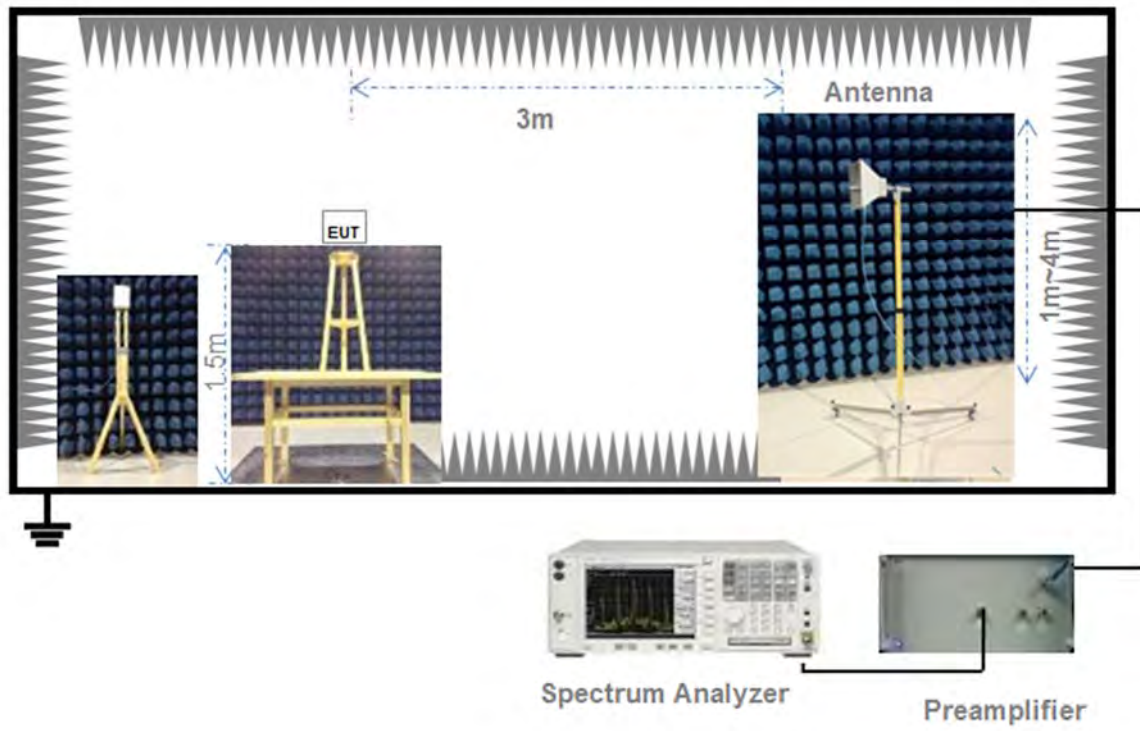
(Diagram 3)

#### 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 band 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)

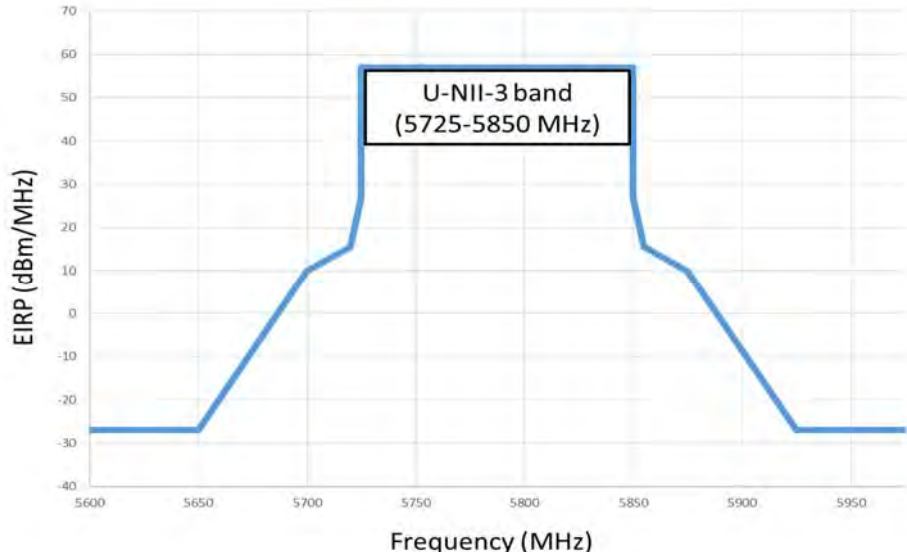
### 5.5.1 Limit

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>  <p>The graph plots EIRP (dBm/MHz) on the y-axis (ranging from -40 to 70) against Frequency (MHz) on the x-axis (ranging from 5600 to 5950). A blue line represents the emission limit. It is constant at -27 dBm/MHz from 5600 to 5650 MHz. From 5650 MHz, it rises linearly to 10 dBm/MHz at 5700 MHz. From 5700 MHz, it rises linearly to 27 dBm/MHz at 5725 MHz. It remains constant at 27 dBm/MHz from 5725 MHz to 5850 MHz. From 5850 MHz, it falls linearly to 10 dBm/MHz at 5900 MHz. From 5900 MHz, it falls linearly to -27 dBm/MHz at 5950 MHz. A box labeled 'U-NII-3 band (5725-5850 MHz)' is placed over the flat top of the graph.</p> |

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

### 5.5.2 Test Setup

The section 4.4.3-4.4.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

#### General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies  $\leq 30$  MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies  $> 1000$  MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- f) Compare the resultant electric field strength level to the applicable limit.
- g) Perform radiated spurious emission test.

#### Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

### Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW  $\geq 3 \times$  RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

| Frequency   | RBW         |
|-------------|-------------|
| 9-150 kHz   | 200-300 Hz  |
| 0.15-30 MHz | 9-10 kHz    |
| 30-1000 MHz | 100-120 kHz |
| > 1000 MHz  | 1 MHz       |

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

### Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle  $\geq 98$  percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than  $\pm 2$  percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle,  $x$ , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW  $\geq 3 \times$  RBW.
- e) Detector = RMS, if  $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

- 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is  $10 \log(1/x)$ , where  $x$  is the duty cycle.
- 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is  $20 \log(1/x)$ , where  $x$  is the duty cycle.
- 3) If a specific emission is demonstrated to be continuous ( $\geq 98$  percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

#### Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

#### Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from  $0^\circ$  to  $360^\circ$ , and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 5.5.4 Test Result

Please refer to ANNEX A.6.

## ANNEX A TEST RESULT

### A.1 RF Output Power

Note <sup>1</sup>: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Test Data

##### Conducted Power

| Band I (5150 - 5250 MHz) |         |                       |                      |                |         |
|--------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                     | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                      | CH36    | 16.92                 | 49.24                | 250            | Pass    |
| 11a                      | CH44    | 17.18                 | 52.28                | 250            | Pass    |
| 11a                      | CH48    | 17.34                 | 54.24                | 250            | Pass    |
| 11n (HT20)               | CH36    | 14.88                 | 30.74                | 250            | Pass    |
| 11n (HT20)               | CH44    | 15.07                 | 32.12                | 250            | Pass    |
| 11n (HT20)               | CH48    | 15.13                 | 32.57                | 250            | Pass    |
| 11n (HT40)               | CH38    | 12.96                 | 19.79                | 250            | Pass    |
| 11n (HT40)               | CH46    | 13.92                 | 24.68                | 250            | Pass    |
| 11ac (VHT20)             | CH36    | 13.79                 | 23.92                | 250            | Pass    |
| 11ac (VHT20)             | CH44    | 13.45                 | 22.12                | 250            | Pass    |
| 11ac (HVT20)             | CH48    | 14.03                 | 25.28                | 250            | Pass    |
| 11ac (VHT40)             | CH38    | 11.32                 | 13.56                | 250            | Pass    |
| 11ac (VHT40)             | CH46    | 11.85                 | 15.32                | 250            | Pass    |
| 11ac (VHT80)             | CH42    | 10.81                 | 12.05                | 250            | Pass    |

| Band II (5250 - 5350 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH52    | 17.24                 | 53.01                | 250            | Pass    |
| 11a                       | CH60    | 17.31                 | 53.87                | 250            | Pass    |
| 11a                       | CH64    | 15.46                 | 35.18                | 250            | Pass    |
| 11n (HT20)                | CH52    | 14.34                 | 27.15                | 250            | Pass    |
| 11n (HT20)                | CH60    | 15.06                 | 32.04                | 250            | Pass    |
| 11n (HT20)                | CH64    | 14.76                 | 29.91                | 250            | Pass    |
| 11n (HT40)                | CH54    | 13.21                 | 20.96                | 250            | Pass    |
| 11n (HT40)                | CH62    | 12.46                 | 17.63                | 250            | Pass    |
| 11ac (VHT20)              | CH52    | 13.34                 | 21.57                | 250            | Pass    |
| 11ac (VHT20)              | CH60    | 13.58                 | 22.79                | 250            | Pass    |
| 11ac (HVT20)              | CH64    | 13.80                 | 23.97                | 250            | Pass    |
| 11ac (VHT40)              | CH54    | 11.62                 | 14.53                | 250            | Pass    |
| 11ac (VHT40)              | CH62    | 10.91                 | 12.34                | 250            | Pass    |
| 11ac (VHT80)              | CH58    | 10.43                 | 11.04                | 250            | Pass    |

| Band III (5470 - 5725 MHz) |         |                       |                      |                |         |
|----------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                       | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                        | CH100   | 15.50                 | 35.51                | 250            | Pass    |
| 11a                        | CH116   | 17.32                 | 53.99                | 250            | Pass    |
| 11a                        | CH140   | 14.03                 | 25.31                | 250            | Pass    |
| 11n (HT20)                 | CH100   | 15.28                 | 33.71                | 250            | Pass    |
| 11n (HT20)                 | CH116   | 15.29                 | 33.79                | 250            | Pass    |
| 11n (HT20)                 | CH140   | 14.88                 | 30.74                | 250            | Pass    |
| 11n (HT40)                 | CH102   | 12.84                 | 19.25                | 250            | Pass    |
| 11n (HT40)                 | CH118   | 14.23                 | 26.51                | 250            | Pass    |
| 11n (HT40)                 | CH134   | 13.85                 | 24.29                | 250            | Pass    |
| 11ac (VHT20)               | CH100   | 14.26                 | 26.65                | 250            | Pass    |
| 11ac (VHT20)               | CH116   | 14.24                 | 26.53                | 250            | Pass    |
| 11ac (VHT20)               | CH140   | 13.85                 | 24.25                | 250            | Pass    |
| 11ac (VHT40)               | CH102   | 12.04                 | 16.01                | 250            | Pass    |
| 11ac (VHT40)               | CH118   | 12.25                 | 16.80                | 250            | Pass    |
| 11ac (VHT40)               | CH134   | 11.90                 | 15.50                | 250            | Pass    |
| 11ac (VHT80)               | CH106   | 11.26                 | 13.36                | 250            | Pass    |
| 11ac (VHT80)               | CH122   | 10.97                 | 12.50                | 250            | Pass    |

| Band IV (5725 - 5850 MHz) |         |                       |                      |                |         |
|---------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                      | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                       | CH149   | 15.56                 | 36.00                | 1000           | Pass    |
| 11a                       | CH157   | 15.25                 | 33.52                | 1000           | Pass    |
| 11a                       | CH165   | 15.55                 | 35.92                | 1000           | Pass    |
| 11n (HT20)                | CH149   | 14.97                 | 31.39                | 1000           | Pass    |
| 11n (HT20)                | CH157   | 14.70                 | 29.50                | 1000           | Pass    |
| 11n (HT20)                | CH165   | 14.77                 | 29.97                | 1000           | Pass    |
| 11n (HT40)                | CH151   | 13.53                 | 22.56                | 1000           | Pass    |
| 11n (HT40)                | CH159   | 13.34                 | 21.59                | 1000           | Pass    |
| 11ac (VHT20)              | CH149   | 14.48                 | 28.04                | 1000           | Pass    |
| 11ac (VHT20)              | CH157   | 13.27                 | 21.22                | 1000           | Pass    |
| 11ac (VHT20)              | CH165   | 13.82                 | 24.09                | 1000           | Pass    |
| 11ac (VHT40)              | CH151   | 11.46                 | 14.01                | 1000           | Pass    |
| 11ac (VHT40)              | CH159   | 11.17                 | 13.10                | 1000           | Pass    |
| 11ac (VHT80)              | CH155   | 9.91                  | 9.79                 | 1000           | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2070204-604 Data Part 1.pdf”.

### Test Data

| Band I (5150 - 5250 MHz) |         |                       |                     |
|--------------------------|---------|-----------------------|---------------------|
| Mode                     | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                      | CH36    | 20.24                 | 16.67               |
| 11a                      | CH44    | 20.24                 | 16.67               |
| 11a                      | CH48    | 20.40                 | 16.67               |
| 11n (HT20)               | CH36    | 20.32                 | 17.66               |
| 11n (HT20)               | CH44    | 20.44                 | 17.60               |
| 11n (HT20)               | CH48    | 20.44                 | 17.60               |
| 11n (HT40)               | CH38    | 41.00                 | 36.35               |
| 11n (HT40)               | CH46    | 41.00                 | 36.35               |
| 11ac (VHT20)             | CH36    | 20.40                 | 17.60               |
| 11ac (VHT20)             | CH44    | 20.36                 | 17.60               |
| 11ac (HVT20)             | CH48    | 20.40                 | 17.60               |
| 11ac (VHT40)             | CH38    | 41.00                 | 36.24               |
| 11ac (VHT40)             | CH46    | 41.30                 | 36.24               |
| 11ac (VHT80)             | CH42    | 81.60                 | 75.48               |

| Band II (5250 - 5350 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH52    | 20.40                 | 16.67               |
| 11a                       | CH60    | 20.28                 | 16.67               |
| 11a                       | CH64    | 20.36                 | 16.67               |
| 11n (HT20)                | CH52    | 20.36                 | 17.66               |
| 11n (HT20)                | CH60    | 20.44                 | 17.60               |
| 11n (HT20)                | CH64    | 20.44                 | 17.66               |
| 11n (HT40)                | CH54    | 41.00                 | 36.24               |
| 11n (HT40)                | CH62    | 41.10                 | 36.24               |
| 11ac (VHT20)              | CH52    | 20.36                 | 17.60               |
| 11ac (VHT20)              | CH60    | 20.36                 | 17.60               |
| 11ac (VHT20)              | CH64    | 20.44                 | 17.60               |
| 11ac (VHT40)              | CH54    | 41.20                 | 36.24               |
| 11ac (VHT40)              | CH62    | 41.00                 | 36.35               |
| 11ac (VHT80)              | CH58    | 81.80                 | 75.48               |

| Band III (5470 - 5725 MHz) |         |                       |                     |
|----------------------------|---------|-----------------------|---------------------|
| Mode                       | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                        | CH100   | 20.28                 | 16.61               |
| 11a                        | CH116   | 20.16                 | 16.67               |
| 11a                        | CH140   | 20.16                 | 16.67               |
| 11n (HT20)                 | CH100   | 20.28                 | 17.66               |
| 11n (HT20)                 | CH116   | 20.40                 | 17.60               |
| 11n (HT20)                 | CH140   | 20.32                 | 17.60               |
| 11n (HT40)                 | CH102   | 40.90                 | 36.24               |
| 11n (HT40)                 | CH118   | 40.90                 | 36.24               |
| 11n (HT40)                 | CH134   | 40.90                 | 36.24               |
| 11ac (VHT20)               | CH100   | 20.36                 | 17.60               |
| 11ac (VHT20)               | CH116   | 20.32                 | 17.60               |
| 11ac (VHT20)               | CH140   | 20.40                 | 17.60               |
| 11ac (VHT40)               | CH102   | 40.90                 | 36.24               |
| 11ac (VHT40)               | CH118   | 41.10                 | 36.24               |
| 11ac (VHT40)               | CH134   | 40.90                 | 36.24               |
| 11ac (VHT80)               | CH106   | 81.80                 | 75.72               |
| 11ac (VHT80)               | CH122   | 81.40                 | 75.48               |

| Band IV (5725 - 5850 MHz) |         |                       |                     |
|---------------------------|---------|-----------------------|---------------------|
| Mode                      | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                       | CH149   | 20.08                 | 16.56               |
| 11a                       | CH157   | 20.20                 | 16.61               |
| 11a                       | CH165   | 20.00                 | 16.56               |
| 11n (HT20)                | CH149   | 20.36                 | 17.60               |
| 11n (HT20)                | CH157   | 20.44                 | 17.66               |
| 11n (HT20)                | CH165   | 20.32                 | 17.66               |
| 11n (HT40)                | CH151   | 41.10                 | 36.35               |
| 11n (HT40)                | CH159   | 41.10                 | 36.35               |
| 11ac (VHT20)              | CH149   | 20.36                 | 17.60               |
| 11ac (VHT20)              | CH157   | 20.40                 | 17.66               |
| 11ac (VHT20)              | CH165   | 20.40                 | 17.60               |
| 11ac (VHT40)              | CH151   | 40.90                 | 36.35               |
| 11ac (VHT40)              | CH159   | 41.00                 | 36.35               |
| 11ac (VHT80)              | CH155   | 82.20                 | 75.95               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2070204-604 Data Part 2.pdf".

#### Test Data

| Band IV (5725 - 5850 MHz) |         |                      |             |         |
|---------------------------|---------|----------------------|-------------|---------|
| Mode                      | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                       | CH149   | 15.22                | 500.00      | Pass    |
| 11a                       | CH157   | 15.22                | 500.00      | Pass    |
| 11a                       | CH165   | 15.27                | 500.00      | Pass    |
| 11n (HT20)                | CH149   | 15.22                | 500.00      | Pass    |
| 11n (HT20)                | CH157   | 15.22                | 500.00      | Pass    |
| 11n (HT20)                | CH165   | 15.17                | 500.00      | Pass    |
| 11n (HT40)                | CH151   | 35.17                | 500.00      | Pass    |
| 11n (HT40)                | CH159   | 35.22                | 500.00      | Pass    |
| 11ac (VHT20)              | CH149   | 15.17                | 500.00      | Pass    |
| 11ac (VHT20)              | CH157   | 15.22                | 500.00      | Pass    |
| 11ac (VHT20)              | CH165   | 15.17                | 500.00      | Pass    |
| 11ac (VHT40)              | CH151   | 35.17                | 500.00      | Pass    |
| 11ac (VHT40)              | CH159   | 35.22                | 500.00      | Pass    |
| 11ac (VHT80)              | CH155   | 75.47                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2070204-604 Data Part 3.pdf".

### Test Data

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

| Band I (5150 - 5250 MHz) |         |               |                 |         |
|--------------------------|---------|---------------|-----------------|---------|
| Mode                     | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                      | CH36    | 6.17          | 11.00           | Pass    |
| 11a                      | CH44    | 6.11          | 11.00           | Pass    |
| 11a                      | CH48    | 7.25          | 11.00           | Pass    |
| 11n (HT20)               | CH36    | 3.85          | 11.00           | Pass    |
| 11n (HT20)               | CH44    | 4.06          | 11.00           | Pass    |
| 11n (HT20)               | CH48    | 3.86          | 11.00           | Pass    |
| 11n (HT40)               | CH38    | -1.08         | 11.00           | Pass    |
| 11n (HT40)               | CH46    | -0.81         | 11.00           | Pass    |
| 11ac (VHT20)             | CH36    | 2.97          | 11.00           | Pass    |
| 11ac (VHT20)             | CH44    | 2.48          | 11.00           | Pass    |
| 11ac (VHT20)             | CH48    | 2.91          | 11.00           | Pass    |
| 11ac (VHT40)             | CH38    | -3.61         | 11.00           | Pass    |
| 11ac (VHT40)             | CH46    | -2.45         | 11.00           | Pass    |
| 11ac (VHT80)             | CH42    | -7.77         | 11.00           | Pass    |

| Band II (5250 - 5350 MHz) |         |               |                 |         |
|---------------------------|---------|---------------|-----------------|---------|
| Mode                      | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                       | CH52    | 6.73          | 11.00           | Pass    |
| 11a                       | CH60    | 7.08          | 11.00           | Pass    |
| 11a                       | CH64    | 4.53          | 11.00           | Pass    |
| 11n (HT20)                | CH52    | 3.21          | 11.00           | Pass    |
| 11n (HT20)                | CH60    | 3.70          | 11.00           | Pass    |
| 11n (HT20)                | CH64    | 3.95          | 11.00           | Pass    |
| 11n (HT40)                | CH54    | -1.67         | 11.00           | Pass    |
| 11n (HT40)                | CH62    | -2.44         | 11.00           | Pass    |
| 11ac (VHT20)              | CH52    | 2.53          | 11.00           | Pass    |
| 11ac (VHT20)              | CH60    | 2.46          | 11.00           | Pass    |
| 11ac (VHT20)              | CH64    | 2.90          | 11.00           | Pass    |
| 11ac (VHT40)              | CH54    | -2.68         | 11.00           | Pass    |
| 11ac (VHT40)              | CH62    | -3.46         | 11.00           | Pass    |
| 11ac (VHT80)              | CH58    | -8.2          | 11.00           | Pass    |

| Band III (5470 - 5725 MHz) |         |               |                 |         |
|----------------------------|---------|---------------|-----------------|---------|
| Mode                       | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                        | CH100   | 4.16          | 11.00           | Pass    |
| 11a                        | CH116   | 7.41          | 11.00           | Pass    |
| 11a                        | CH140   | 3.07          | 11.00           | Pass    |
| 11n (HT20)                 | CH100   | 4.30          | 11.00           | Pass    |
| 11n (HT20)                 | CH116   | 4.14          | 11.00           | Pass    |
| 11n (HT20)                 | CH140   | 3.99          | 11.00           | Pass    |
| 11n (HT40)                 | CH102   | -1.89         | 11.00           | Pass    |
| 11n (HT40)                 | CH118   | -0.39         | 11.00           | Pass    |
| 11n (HT40)                 | CH134   | -0.89         | 11.00           | Pass    |
| 11ac (VHT20)               | CH100   | 3.31          | 11.00           | Pass    |
| 11ac (VHT20)               | CH116   | 3.51          | 11.00           | Pass    |
| 11ac (VHT20)               | CH140   | 2.76          | 11.00           | Pass    |
| 11ac (VHT40)               | CH102   | -1.86         | 11.00           | Pass    |
| 11ac (VHT40)               | CH118   | -2.46         | 11.00           | Pass    |
| 11ac (VHT40)               | CH134   | -2.25         | 11.00           | Pass    |
| 11ac (VHT80)               | CH106   | -7.62         | 11.00           | Pass    |
| 11ac (VHT80)               | CH122   | -8.17         | 11.00           | Pass    |

| Band IV (5725 - 5850 MHz) |         |                  |                    |         |
|---------------------------|---------|------------------|--------------------|---------|
| Mode                      | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                       | CH149   | 2.05             | 30.00              | Pass    |
| 11a                       | CH157   | 1.15             | 30.00              | Pass    |
| 11a                       | CH165   | 2.21             | 30.00              | Pass    |
| 11n (HT20)                | CH149   | 1.54             | 30.00              | Pass    |
| 11n (HT20)                | CH157   | 0.54             | 30.00              | Pass    |
| 11n (HT20)                | CH165   | 1.23             | 30.00              | Pass    |
| 11n (HT40)                | CH151   | -3.13            | 30.00              | Pass    |
| 11n (HT40)                | CH159   | -3.57            | 30.00              | Pass    |
| 11ac (VHT20)              | CH149   | 1.06             | 30.00              | Pass    |
| 11ac (VHT20)              | CH157   | -0.55            | 30.00              | Pass    |
| 11ac (HVT20)              | CH165   | 0.30             | 30.00              | Pass    |
| 11ac (VHT40)              | CH151   | -5.78            | 30.00              | Pass    |
| 11ac (VHT40)              | CH159   | -5.41            | 30.00              | Pass    |
| 11ac (VHT80)              | CH155   | -11.8            | 30.00              | Pass    |

## A.5 Conducted Emissions

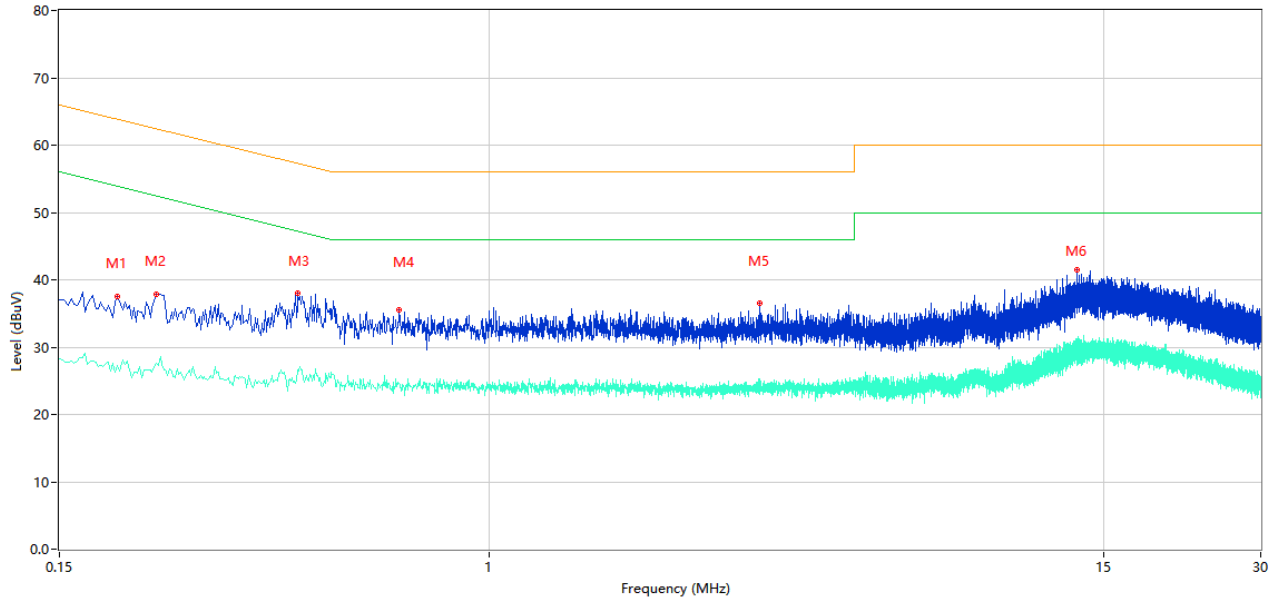
Note <sup>1</sup>: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

### Test Data and Plots

#### PHASE L

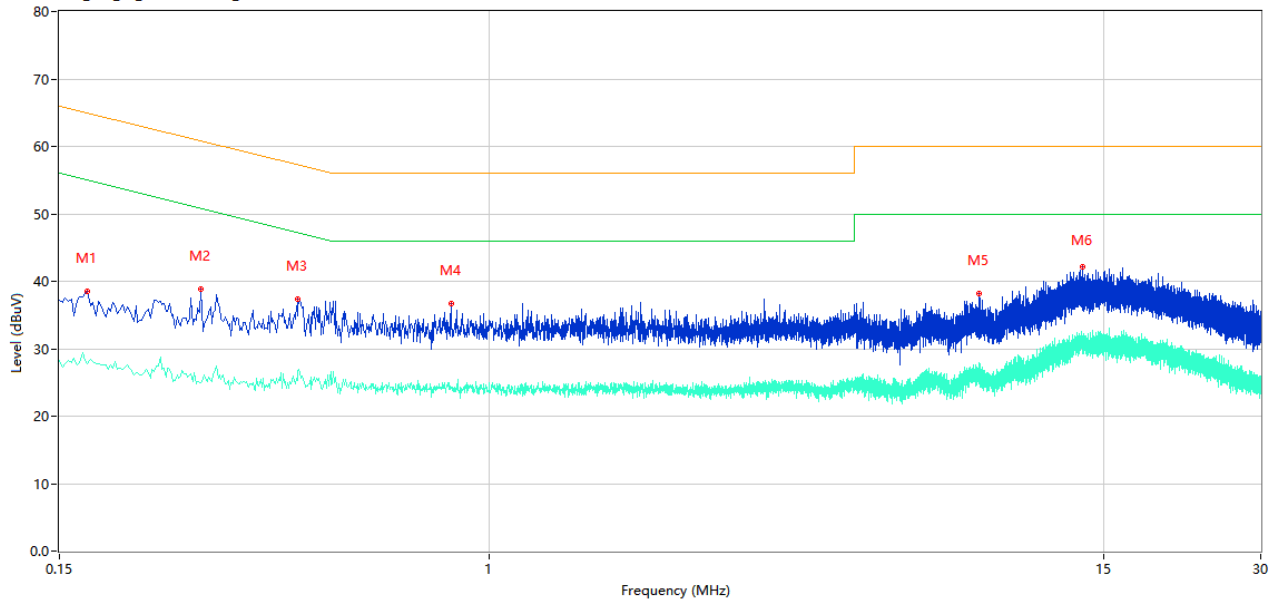
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1   | 0.194           | 37.49          | 10.38       | 63.86        | -26.37          | Peak     | L    | Pass    |
| 1** | 0.194           | 27.33          | 10.38       | 53.86        | -26.53          | AV       | L    | Pass    |
| 2   | 0.230           | 37.84          | 10.36       | 62.45        | -24.61          | Peak     | L    | Pass    |
| 2** | 0.230           | 27.60          | 10.36       | 52.45        | -24.85          | AV       | L    | Pass    |
| 3   | 0.430           | 37.93          | 10.31       | 57.25        | -19.32          | Peak     | L    | Pass    |
| 3** | 0.430           | 26.14          | 10.31       | 47.25        | -21.11          | AV       | L    | Pass    |
| 4   | 0.672           | 35.56          | 10.28       | 56.00        | -20.44          | Peak     | L    | Pass    |
| 4** | 0.672           | 24.61          | 10.28       | 46.00        | -21.39          | AV       | L    | Pass    |
| 5   | 3.298           | 36.57          | 10.29       | 56.00        | -19.43          | Peak     | L    | Pass    |
| 5** | 3.298           | 25.24          | 10.29       | 46.00        | -20.76          | AV       | L    | Pass    |
| 6   | 13.326          | 41.49          | 10.39       | 60.00        | -18.51          | Peak     | L    | Pass    |
| 6** | 13.326          | 30.09          | 10.39       | 50.00        | -19.91          | 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           | 38.53          | 10.40       | 64.96        | -26.43          | Peak     | N    | Pass    |
| 1** | 0.170           | 27.85          | 10.40       | 54.96        | -27.11          | AV       | N    | Pass    |
| 2   | 0.280           | 38.85          | 10.34       | 60.82        | -21.97          | Peak     | N    | Pass    |
| 2** | 0.280           | 24.90          | 10.34       | 50.82        | -25.92          | AV       | N    | Pass    |
| 3   | 0.430           | 37.31          | 10.31       | 57.25        | -19.94          | Peak     | N    | Pass    |
| 3** | 0.430           | 26.67          | 10.31       | 47.25        | -20.58          | AV       | N    | Pass    |
| 4   | 0.844           | 36.61          | 10.25       | 56.00        | -19.39          | Peak     | N    | Pass    |
| 4** | 0.844           | 24.20          | 10.25       | 46.00        | -21.80          | AV       | N    | Pass    |
| 5   | 8.660           | 38.21          | 10.36       | 60.00        | -21.79          | Peak     | N    | Pass    |
| 5** | 8.660           | 26.59          | 10.36       | 50.00        | -23.41          | AV       | N    | Pass    |
| 6   | 13.696          | 42.11          | 10.40       | 60.00        | -17.89          | Peak     | N    | Pass    |
| 6** | 13.696          | 31.09          | 10.40       | 50.00        | -18.91          | AV       | N    | Pass    |

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

### Test Data

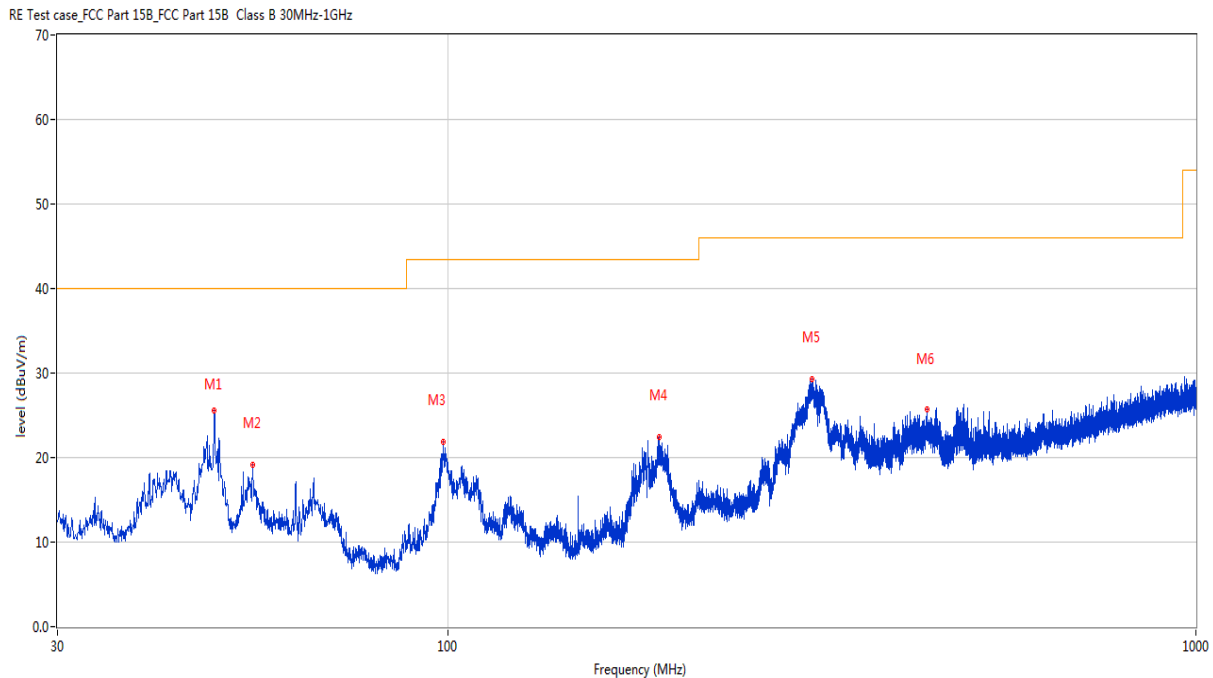
Note<sup>1</sup>: The symbol of "--" in the table which means not application.

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

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

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

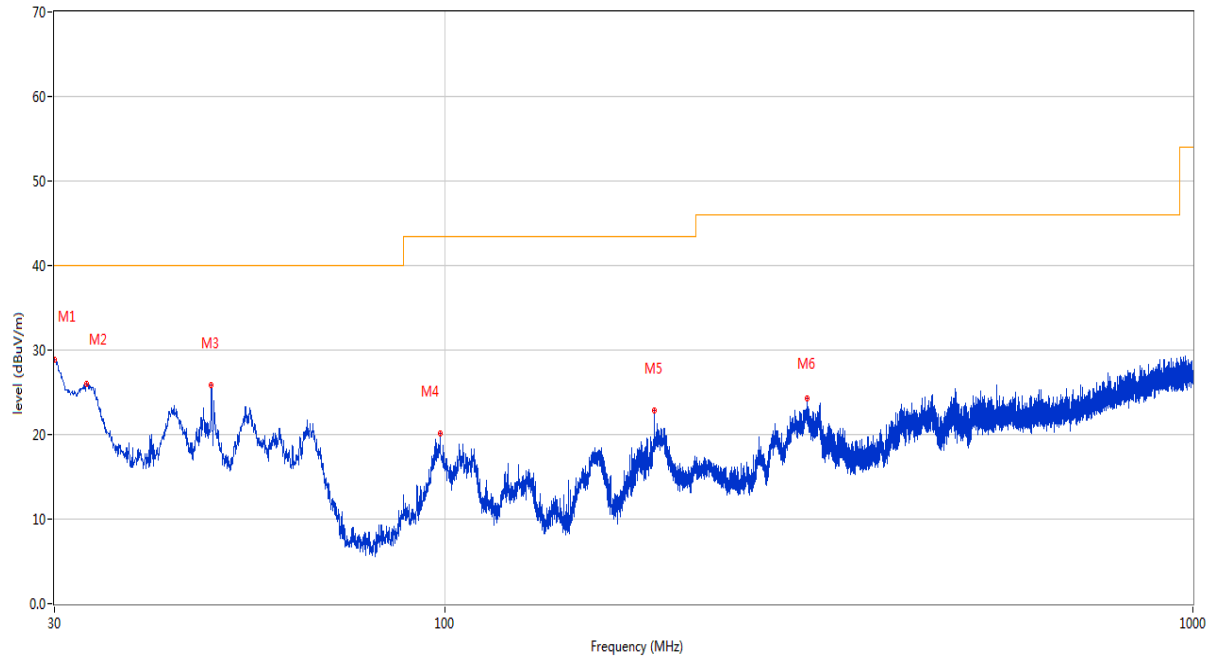
### 30 MHz to 1 GHz, ANT H



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 48.624          | 25.60            | -22.51      | 40.0           | -14.40          | Peak     | 29.10          | 100         | Horizontal | Pass    |
| 2   | 54.687          | 19.20            | -23.14      | 40.0           | -20.80          | Peak     | 211.20         | 100         | Horizontal | Pass    |
| 3   | 98.385          | 21.79            | -24.90      | 43.5           | -21.71          | Peak     | 263.00         | 200         | Horizontal | Pass    |
| 4   | 191.214         | 22.40            | -25.15      | 43.5           | -21.10          | Peak     | 81.80          | 200         | Horizontal | Pass    |
| 5   | 306.450         | 29.26            | -21.38      | 46.0           | -16.74          | Peak     | 279.40         | 100         | Horizontal | Pass    |
| 6   | 437.012         | 25.66            | -18.03      | 46.0           | -20.34          | Peak     | 75.70          | 100         | Horizontal | Pass    |

## 30 MHz to 1 GHz, ANT V

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 30.000          | 28.84            | -25.94      | 40.0           | -11.16          | Peak     | 105.10         | 100         | Vertical | Pass    |
| 2   | 33.104          | 26.07            | -26.34      | 40.0           | -13.93          | Peak     | 67.40          | 100         | Vertical | Pass    |
| 3   | 48.624          | 25.88            | -22.51      | 40.0           | -14.12          | Peak     | 360.00         | 200         | Vertical | Pass    |
| 4   | 98.385          | 20.07            | -24.90      | 43.5           | -23.43          | Peak     | 23.50          | 200         | Vertical | Pass    |
| 5   | 190.389         | 22.88            | -25.21      | 43.5           | -20.62          | Peak     | 88.20          | 100         | Vertical | Pass    |
| 6   | 304.461         | 24.27            | -21.10      | 46.0           | -21.73          | Peak     | 335.70         | 100         | Vertical | Pass    |

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

## 11a, Band I, 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   | 1543.700        | 36.09            | -14.89      | 74.0           | -37.91          | Peak     | 26.00          | 150         | Horizontal | Pass    |
| 1** | 1543.700        | 26.63            | -14.89      | 54.0           | -27.37          | AV       | 26.00          | 150         | Horizontal | Pass    |
| 2   | 2767.600        | 42.16            | -8.51       | 74.0           | -31.84          | Peak     | 57.00          | 150         | Horizontal | Pass    |
| 2** | 2767.600        | 31.48            | -8.51       | 54.0           | -22.52          | AV       | 57.00          | 150         | Horizontal | Pass    |
| 3   | 4157.000        | 47.92            | -3.49       | 74.0           | -26.08          | Peak     | 156.00         | 150         | Horizontal | Pass    |
| 3** | 4157.000        | 36.72            | -3.49       | 54.0           | -17.28          | AV       | 156.00         | 150         | Horizontal | Pass    |
| 4   | 5181.200        | 101.64           | -0.58       | --             | -34.36          | Peak     | 136.00         | 150         | Horizontal | N/A     |
| 4** | 5181.200        | 95.77            | -0.58       | --             | 95.77           | AV       | 136.00         | 150         | Horizontal | N/A     |
| 5   | 11614.662       | 50.00            | 20.21       | 74.0           | -24.00          | Peak     | 95.00          | 150         | Horizontal | Pass    |
| 5** | 11614.662       | 38.78            | 20.21       | 54.0           | -15.22          | AV       | 95.00          | 150         | Horizontal | Pass    |
| 6   | 15938.326       | 55.69            | 23.88       | 74.0           | -18.31          | Peak     | 135.00         | 150         | Horizontal | Pass    |
| 6** | 15938.326       | 43.73            | 23.88       | 54.0           | -10.27          | AV       | 135.00         | 150         | Horizontal | Pass    |

## 11a, Band I, 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   | 1482.200        | 36.32            | -15.16      | 74.0           | -37.68          | Peak     | 173.00         | 150         | Vertical | Pass    |
| 1** | 1482.200        | 27.10            | -15.16      | 54.0           | -26.90          | AV       | 173.00         | 150         | Vertical | Pass    |
| 2   | 2882.200        | 41.94            | -8.31       | 74.0           | -32.06          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 2** | 2882.200        | 32.72            | -8.31       | 54.0           | -21.28          | AV       | 216.00         | 150         | Vertical | Pass    |
| 3   | 4155.000        | 46.87            | -3.57       | 74.0           | -27.13          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4155.000        | 36.34            | -3.57       | 54.0           | -17.66          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5181.200        | 97.62            | -0.58       | --             | -136.38         | Peak     | 234.00         | 150         | Vertical | N/A     |
| 4** | 5181.200        | 91.06            | -0.58       | --             | 91.06           | AV       | 234.00         | 150         | Vertical | N/A     |
| 5   | 12445.250       | 50.50            | 18.70       | 74.0           | -23.50          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 5** | 12445.250       | 37.95            | 18.70       | 54.0           | -16.05          | AV       | 284.00         | 150         | Vertical | Pass    |
| 6   | 15631.200       | 55.15            | 23.51       | 74.0           | -18.85          | Peak     | 30.00          | 150         | Vertical | Pass    |
| 6** | 15631.200       | 43.51            | 23.51       | 54.0           | -10.49          | AV       | 30.00          | 150         | Vertical | Pass    |

## 11a, Band I, 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   | 1600.700        | 36.55            | -15.23      | 74.0           | -37.45          | Peak     | 116.00         | 150         | Horizontal | Pass    |
| 1** | 1600.700        | 26.60            | -15.23      | 54.0           | -27.40          | AV       | 116.00         | 150         | Horizontal | Pass    |
| 2   | 2798.900        | 41.53            | -8.82       | 74.0           | -32.47          | Peak     | 336.00         | 150         | Horizontal | Pass    |
| 2** | 2798.900        | 31.64            | -8.82       | 54.0           | -22.36          | AV       | 336.00         | 150         | Horizontal | Pass    |
| 3   | 4249.200        | 47.16            | -3.18       | 74.0           | -26.84          | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 3** | 4249.200        | 35.81            | -3.18       | 54.0           | -18.19          | AV       | 127.00         | 150         | Horizontal | Pass    |
| 4   | 5219.000        | 102.41           | -0.20       | --             | -43.59          | Peak     | 146.00         | 150         | Horizontal | N/A     |
| 4** | 5219.000        | 95.10            | -0.20       | --             | 95.10           | AV       | 146.00         | 150         | Horizontal | N/A     |
| 5   | 12224.162       | 50.94            | 20.44       | 74.0           | -23.06          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 12224.162       | 38.15            | 20.44       | 54.0           | -15.85          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15493.913       | 55.59            | 23.87       | 74.0           | -18.41          | Peak     | 19.00          | 150         | Horizontal | Pass    |
| 6** | 15493.913       | 43.60            | 23.87       | 54.0           | -10.40          | AV       | 19.00          | 150         | Horizontal | Pass    |

## 11a, Band I, 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   | 1593.100        | 36.70            | -15.28      | 74.0           | -37.30          | Peak     | 121.00         | 150         | Vertical | Pass    |
| 1** | 1593.100        | 28.07            | -15.28      | 54.0           | -25.93          | AV       | 121.00         | 150         | Vertical | Pass    |
| 2   | 2880.000        | 42.35            | -8.27       | 74.0           | -31.65          | Peak     | 300.00         | 150         | Vertical | Pass    |
| 2** | 2880.000        | 33.57            | -8.27       | 54.0           | -20.43          | AV       | 300.00         | 150         | Vertical | Pass    |
| 3   | 4122.400        | 47.29            | -4.13       | 74.0           | -26.71          | Peak     | 126.00         | 150         | Vertical | Pass    |
| 3** | 4122.400        | 36.16            | -4.13       | 54.0           | -17.84          | AV       | 126.00         | 150         | Vertical | Pass    |
| 4   | 5221.400        | 97.53            | -0.38       | --             | -133.47         | Peak     | 231.00         | 150         | Vertical | N/A     |
| 4** | 5221.400        | 90.78            | -0.38       | --             | 90.78           | AV       | 231.00         | 150         | Vertical | N/A     |
| 5   | 11629.901       | 50.65            | 20.30       | 74.0           | -23.35          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11629.901       | 38.87            | 20.30       | 54.0           | -15.13          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15736.463       | 55.31            | 23.48       | 74.0           | -18.69          | Peak     | 343.00         | 150         | Vertical | Pass    |
| 6** | 15736.463       | 43.24            | 23.48       | 54.0           | -10.76          | AV       | 343.00         | 150         | Vertical | Pass    |

## 11a, Band I, 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   | 1569.300        | 36.55            | -15.08      | 74.0           | -37.45          | Peak     | 274.00         | 150         | Horizontal | Pass    |
| 1** | 1569.300        | 28.01            | -15.08      | 54.0           | -25.99          | AV       | 274.00         | 150         | Horizontal | Pass    |
| 2   | 2764.100        | 42.01            | -8.75       | 74.0           | -31.99          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 2** | 2764.100        | 32.36            | -8.75       | 54.0           | -21.64          | AV       | 35.00          | 150         | Horizontal | Pass    |
| 3   | 4191.200        | 48.25            | -4.11       | 74.0           | -25.75          | Peak     | 209.00         | 150         | Horizontal | Pass    |
| 3** | 4191.200        | 34.70            | -4.11       | 54.0           | -19.30          | AV       | 209.00         | 150         | Horizontal | Pass    |
| 4   | 5236.600        | 102.12           | -0.81       | --             | -29.88          | Peak     | 132.00         | 150         | Horizontal | N/A     |
| 4** | 5236.600        | 94.81            | -0.81       | --             | 94.81           | AV       | 132.00         | 150         | Horizontal | N/A     |
| 5   | 12217.550       | 50.19            | 20.45       | 74.0           | -23.81          | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 5** | 12217.550       | 40.40            | 20.45       | 54.0           | -13.60          | AV       | 96.00          | 150         | Horizontal | Pass    |
| 6   | 15607.050       | 55.46            | 23.51       | 74.0           | -18.54          | Peak     | 322.00         | 150         | Horizontal | Pass    |
| 6** | 15607.050       | 42.80            | 23.51       | 54.0           | -11.20          | AV       | 322.00         | 150         | Horizontal | Pass    |

## 11a, Band I, 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   | 1600.500        | 37.21            | -15.23      | 74.0           | -36.79          | Peak     | 100.00         | 150         | Vertical | Pass    |
| 1** | 1600.500        | 28.36            | -15.23      | 54.0           | -25.64          | AV       | 100.00         | 150         | Vertical | Pass    |
| 2   | 2770.900        | 42.22            | -8.48       | 74.0           | -31.78          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 2** | 2770.900        | 33.46            | -8.48       | 54.0           | -20.54          | AV       | 7.00           | 150         | Vertical | Pass    |
| 3   | 4099.800        | 46.73            | -4.30       | 74.0           | -27.27          | Peak     | 301.00         | 150         | Vertical | Pass    |
| 3** | 4099.800        | 35.73            | -4.30       | 54.0           | -18.27          | AV       | 301.00         | 150         | Vertical | Pass    |
| 4   | 5237.600        | 96.62            | -0.89       | --             | -110.38         | Peak     | 207.00         | 150         | Vertical | N/A     |
| 4** | 5237.600        | 90.40            | -0.89       | --             | 90.40           | AV       | 207.00         | 150         | Vertical | N/A     |
| 5   | 11678.488       | 50.94            | 20.08       | 74.0           | -23.06          | Peak     | 343.00         | 150         | Vertical | Pass    |
| 5** | 11678.488       | 38.76            | 20.08       | 54.0           | -15.24          | AV       | 343.00         | 150         | Vertical | Pass    |
| 6   | 15486.300       | 55.17            | 23.75       | 74.0           | -18.83          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 6** | 15486.300       | 44.70            | 23.75       | 54.0           | -9.30           | AV       | 338.00         | 150         | Vertical | Pass    |

## 11n20, Band I, 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   | 1575.400        | 35.89            | -15.27      | 74.0           | -38.11          | Peak     | 266.00         | 150         | Horizontal | Pass    |
| 1** | 1575.400        | 27.41            | -15.27      | 54.0           | -26.59          | AV       | 266.00         | 150         | Horizontal | Pass    |
| 2   | 2744.900        | 42.59            | -8.84       | 74.0           | -31.41          | Peak     | 362.00         | 150         | Horizontal | Pass    |
| 2** | 2744.900        | 33.39            | -8.84       | 54.0           | -20.61          | AV       | 362.00         | 150         | Horizontal | Pass    |
| 3   | 4253.200        | 47.01            | -3.14       | 74.0           | -26.99          | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 3** | 4253.200        | 38.94            | -3.14       | 54.0           | -15.06          | AV       | 96.00          | 150         | Horizontal | Pass    |
| 4   | 5181.000        | 98.92            | -0.58       | --             | -74.08          | Peak     | 173.00         | 150         | Horizontal | N/A     |
| 4** | 5181.000        | 92.66            | -0.58       | --             | 92.66           | AV       | 173.00         | 150         | Horizontal | N/A     |
| 5   | 11672.450       | 50.46            | 20.14       | 74.0           | -23.54          | Peak     | 94.00          | 150         | Horizontal | Pass    |
| 5** | 11672.450       | 38.31            | 20.14       | 54.0           | -15.69          | AV       | 94.00          | 150         | Horizontal | Pass    |
| 6   | 15486.562       | 54.87            | 23.76       | 74.0           | -19.13          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 6** | 15486.562       | 43.62            | 23.76       | 54.0           | -10.38          | AV       | 190.00         | 150         | Horizontal | Pass    |

## 11n20, Band I, 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   | 1547.000        | 36.57            | -14.99      | 74.0           | -37.43          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 1** | 1547.000        | 26.85            | -14.99      | 54.0           | -27.15          | AV       | 303.00         | 150         | Vertical | Pass    |
| 2   | 2848.700        | 41.74            | -8.24       | 74.0           | -32.26          | Peak     | 101.00         | 150         | Vertical | Pass    |
| 2** | 2848.700        | 32.24            | -8.24       | 54.0           | -21.76          | AV       | 101.00         | 150         | Vertical | Pass    |
| 3   | 4253.400        | 47.15            | -3.13       | 74.0           | -26.85          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4253.400        | 35.62            | -3.13       | 54.0           | -18.38          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5181.400        | 94.65            | -0.58       | --             | -104.35         | Peak     | 199.00         | 150         | Vertical | N/A     |
| 4** | 5181.400        | 88.71            | -0.58       | --             | 88.71           | AV       | 199.00         | 150         | Vertical | N/A     |
| 5   | 11541.925       | 50.24            | 19.63       | 74.0           | -23.76          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11541.925       | 38.39            | 19.63       | 54.0           | -15.61          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15647.737       | 55.52            | 23.53       | 74.0           | -18.48          | Peak     | 104.00         | 150         | Vertical | Pass    |
| 6** | 15647.737       | 43.41            | 23.53       | 54.0           | -10.59          | AV       | 104.00         | 150         | Vertical | Pass    |

## 11n20, Band I, 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   | 1532.300        | 36.39            | -15.05      | 74.0           | -37.61          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 1** | 1532.300        | 27.69            | -15.05      | 54.0           | -26.31          | AV       | 7.00           | 150         | Horizontal | Pass    |
| 2   | 2831.800        | 41.69            | -8.39       | 74.0           | -32.31          | Peak     | 163.00         | 150         | Horizontal | Pass    |
| 2** | 2831.800        | 32.53            | -8.39       | 54.0           | -21.47          | AV       | 163.00         | 150         | Horizontal | Pass    |
| 3   | 4194.200        | 46.92            | -4.12       | 74.0           | -27.08          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4194.200        | 35.03            | -4.12       | 54.0           | -18.97          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5218.800        | 99.91            | -0.21       | --             | -37.09          | Peak     | 137.00         | 150         | Horizontal | N/A     |
| 4** | 5218.800        | 94.15            | -0.21       | --             | 94.15           | AV       | 137.00         | 150         | Horizontal | N/A     |
| 5   | 11786.875       | 50.33            | 18.65       | 74.0           | -23.67          | Peak     | 169.00         | 150         | Horizontal | Pass    |
| 5** | 11786.875       | 39.47            | 18.65       | 54.0           | -14.53          | AV       | 169.00         | 150         | Horizontal | Pass    |
| 6   | 16005.000       | 55.11            | 24.01       | 74.0           | -18.89          | Peak     | 251.00         | 150         | Horizontal | Pass    |
| 6** | 16005.000       | 43.06            | 24.01       | 54.0           | -10.94          | AV       | 251.00         | 150         | Horizontal | Pass    |

## 11n20, Band I, 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   | 1455.700        | 36.43            | -14.64      | 74.0           | -37.57          | Peak     | 42.00          | 150         | Vertical | Pass    |
| 1** | 1455.700        | 27.57            | -14.64      | 54.0           | -26.43          | AV       | 42.00          | 150         | Vertical | Pass    |
| 2   | 2877.400        | 42.30            | -8.34       | 74.0           | -31.70          | Peak     | 11.00          | 150         | Vertical | Pass    |
| 2** | 2877.400        | 32.04            | -8.34       | 54.0           | -21.96          | AV       | 11.00          | 150         | Vertical | Pass    |
| 3   | 4196.600        | 47.22            | -4.00       | 74.0           | -26.78          | Peak     | 262.00         | 150         | Vertical | Pass    |
| 3** | 4196.600        | 35.97            | -4.00       | 54.0           | -18.03          | AV       | 262.00         | 150         | Vertical | Pass    |
| 4   | 5221.200        | 95.25            | -0.37       | --             | -127.75         | Peak     | 223.00         | 150         | Vertical | Pass    |
| 4** | 5221.200        | 89.16            | -0.37       | --             | 89.16           | AV       | 223.00         | 150         | Vertical | N/A     |
| 5   | 12494.125       | 50.67            | 18.55       | 74.0           | -23.33          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12494.125       | 37.76            | 18.55       | 54.0           | -16.24          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15597.338       | 55.56            | 23.55       | 74.0           | -18.44          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 6** | 15597.338       | 44.28            | 23.55       | 54.0           | -9.72           | AV       | 287.00         | 150         | Vertical | Pass    |

## 11n20, Band I, 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   | 1459.500        | 37.60            | -14.70      | 74.0           | -36.40          | Peak     | 138.00         | 150         | Horizontal | Pass    |
| 1** | 1459.500        | 26.83            | -14.70      | 54.0           | -27.17          | AV       | 138.00         | 150         | Horizontal | Pass    |
| 2   | 2725.300        | 41.74            | -8.72       | 74.0           | -32.26          | Peak     | 37.00          | 150         | Horizontal | Pass    |
| 2** | 2725.300        | 33.23            | -8.72       | 54.0           | -20.77          | AV       | 37.00          | 150         | Horizontal | Pass    |
| 3   | 4251.000        | 47.21            | -3.19       | 74.0           | -26.79          | Peak     | 297.00         | 150         | Horizontal | Pass    |
| 3** | 4251.000        | 36.22            | -3.19       | 54.0           | -17.78          | AV       | 297.00         | 150         | Horizontal | Pass    |
| 4   | 5241.400        | 99.41            | -0.94       | --             | -37.59          | Peak     | 137.00         | 150         | Horizontal | N/A     |
| 4** | 5241.400        | 93.65            | -0.94       | --             | 93.65           | AV       | 137.00         | 150         | Horizontal | N/A     |
| 5   | 12082.138       | 49.98            | 19.25       | 74.0           | -24.02          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 12082.138       | 39.48            | 19.25       | 54.0           | -14.52          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15902.363       | 54.95            | 23.31       | 74.0           | -19.05          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15902.363       | 43.46            | 23.31       | 54.0           | -10.54          | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11n20, Band I, 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   | 1461.300        | 36.75            | -14.74      | 74.0           | -37.25          | Peak     | 230.00         | 150         | Vertical | Pass    |
| 1** | 1461.300        | 26.83            | -14.74      | 54.0           | -27.17          | AV       | 230.00         | 150         | Vertical | Pass    |
| 2   | 2839.800        | 41.82            | -8.51       | 74.0           | -32.18          | Peak     | 281.00         | 150         | Vertical | Pass    |
| 2** | 2839.800        | 32.11            | -8.51       | 54.0           | -21.89          | AV       | 281.00         | 150         | Vertical | Pass    |
| 3   | 4210.200        | 47.52            | -3.97       | 74.0           | -26.48          | Peak     | 337.00         | 150         | Vertical | Pass    |
| 3** | 4210.200        | 37.14            | -3.97       | 54.0           | -16.86          | AV       | 337.00         | 150         | Vertical | Pass    |
| 4   | 5241.000        | 94.44            | -0.95       | --             | -125.56         | Peak     | 220.00         | 150         | Vertical | N/A     |
| 4** | 5241.000        | 88.97            | -0.95       | --             | 88.97           | AV       | 220.00         | 150         | Vertical | N/A     |
| 5   | 11679.638       | 50.45            | 20.07       | 74.0           | -23.55          | Peak     | 280.00         | 150         | Vertical | Pass    |
| 5** | 11679.638       | 38.48            | 20.07       | 54.0           | -15.52          | AV       | 280.00         | 150         | Vertical | Pass    |
| 6   | 15624.112       | 55.72            | 23.47       | 74.0           | -18.28          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 6** | 15624.112       | 44.29            | 23.47       | 54.0           | -9.71           | AV       | 194.00         | 150         | Vertical | Pass    |

## 11n40, Band I, 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   | 1394.500        | 36.51            | -14.84      | 74.0           | -37.49          | Peak     | 357.00         | 150         | Horizontal | Pass    |
| 1** | 1394.500        | 28.05            | -14.84      | 54.0           | -25.95          | AV       | 357.00         | 150         | Horizontal | Pass    |
| 2   | 2772.100        | 41.94            | -8.47       | 74.0           | -32.06          | Peak     | 22.00          | 150         | Horizontal | Pass    |
| 2** | 2772.100        | 32.58            | -8.47       | 54.0           | -21.42          | AV       | 22.00          | 150         | Horizontal | Pass    |
| 3   | 4160.400        | 47.21            | -3.50       | 74.0           | -26.79          | Peak     | 42.00          | 150         | Horizontal | Pass    |
| 3** | 4160.400        | 36.49            | -3.50       | 54.0           | -17.51          | AV       | 42.00          | 150         | Horizontal | Pass    |
| 4   | 5193.200        | 96.42            | -0.62       | --             | -76.58          | Peak     | 173.00         | 150         | Horizontal | N/A     |
| 4** | 5193.200        | 90.39            | -0.62       | --             | 90.39           | AV       | 173.00         | 150         | Horizontal | N/A     |
| 5   | 12338.588       | 50.83            | 19.79       | 74.0           | -23.17          | Peak     | 159.00         | 150         | Horizontal | Pass    |
| 5** | 12338.588       | 40.19            | 19.79       | 54.0           | -13.81          | AV       | 159.00         | 150         | Horizontal | Pass    |
| 6   | 15501.000       | 55.33            | 23.96       | 74.0           | -18.67          | Peak     | 112.00         | 150         | Horizontal | Pass    |
| 6** | 15501.000       | 45.18            | 23.96       | 54.0           | -8.82           | AV       | 112.00         | 150         | Horizontal | Pass    |

## 11n40, Band I, 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   | 1451.000        | 37.42            | -14.69      | 74.0           | -36.58          | Peak     | 273.00         | 150         | Vertical | Pass    |
| 1** | 1451.000        | 27.37            | -14.69      | 54.0           | -26.63          | AV       | 273.00         | 150         | Vertical | Pass    |
| 2   | 2725.100        | 41.96            | -8.71       | 74.0           | -32.04          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 2** | 2725.100        | 32.25            | -8.71       | 54.0           | -21.75          | AV       | 287.00         | 150         | Vertical | Pass    |
| 3   | 3967.200        | 47.30            | -4.15       | 74.0           | -26.70          | Peak     | 351.00         | 150         | Vertical | Pass    |
| 3** | 3967.200        | 36.46            | -4.15       | 54.0           | -17.54          | AV       | 351.00         | 150         | Vertical | Pass    |
| 4   | 5192.400        | 90.22            | -0.66       | --             | -110.78         | Peak     | 201.00         | 150         | Vertical | N/A     |
| 4** | 5192.400        | 84.25            | -0.66       | --             | 84.25           | AV       | 201.00         | 150         | Vertical | N/A     |
| 5   | 11661.525       | 50.34            | 20.25       | 74.0           | -23.66          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11661.525       | 39.08            | 20.25       | 54.0           | -14.92          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15901.575       | 55.73            | 23.30       | 74.0           | -18.27          | Peak     | 326.00         | 150         | Vertical | Pass    |
| 6** | 15901.575       | 43.23            | 23.30       | 54.0           | -10.77          | AV       | 326.00         | 150         | Vertical | Pass    |

## 11n40, Band I, 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   | 1519.300        | 36.54            | -14.99      | 74.0           | -37.46          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1519.300        | 27.51            | -14.99      | 54.0           | -26.49          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2779.300        | 42.18            | -8.51       | 74.0           | -31.82          | Peak     | 265.00         | 150         | Horizontal | Pass    |
| 2** | 2779.300        | 32.47            | -8.51       | 54.0           | -21.53          | AV       | 265.00         | 150         | Horizontal | Pass    |
| 3   | 4217.400        | 47.00            | -3.83       | 74.0           | -27.00          | Peak     | 98.00          | 150         | Horizontal | Pass    |
| 3** | 4217.400        | 37.21            | -3.83       | 54.0           | -16.79          | AV       | 98.00          | 150         | Horizontal | Pass    |
| 4   | 5233.000        | 96.98            | -0.63       | --             | -55.02          | Peak     | 152.00         | 150         | Horizontal | N/A     |
| 4** | 5233.000        | 90.08            | -0.63       | --             | 90.08           | AV       | 152.00         | 150         | Horizontal | N/A     |
| 5   | 12220.425       | 50.17            | 20.45       | 74.0           | -23.83          | Peak     | 13.00          | 150         | Horizontal | Pass    |
| 5** | 12220.425       | 38.22            | 20.45       | 54.0           | -15.78          | AV       | 13.00          | 150         | Horizontal | Pass    |
| 6   | 15542.737       | 55.00            | 23.68       | 74.0           | -19.00          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15542.737       | 44.97            | 23.68       | 54.0           | -9.03           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11n40, Band I, 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   | 1386.000        | 36.91            | -14.82      | 74.0           | -37.09          | Peak     | 130.00         | 150         | Vertical | Pass    |
| 1** | 1386.000        | 26.62            | -14.82      | 54.0           | -27.38          | AV       | 130.00         | 150         | Vertical | Pass    |
| 2   | 2758.900        | 42.06            | -8.92       | 74.0           | -31.94          | Peak     | 76.00          | 150         | Vertical | Pass    |
| 2** | 2758.900        | 33.03            | -8.92       | 54.0           | -20.97          | AV       | 76.00          | 150         | Vertical | Pass    |
| 3   | 4150.400        | 47.30            | -3.44       | 74.0           | -26.70          | Peak     | 238.00         | 150         | Vertical | Pass    |
| 3** | 4150.400        | 35.97            | -3.44       | 54.0           | -18.03          | AV       | 238.00         | 150         | Vertical | Pass    |
| 4   | 5226.800        | 91.19            | -0.48       | --             | -103.81         | Peak     | 195.00         | 150         | Vertical | N/A     |
| 4** | 5226.800        | 83.93            | -0.48       | --             | 83.93           | AV       | 195.00         | 150         | Vertical | N/A     |
| 5   | 12124.401       | 50.26            | 19.68       | 74.0           | -23.74          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12124.401       | 38.87            | 19.68       | 54.0           | -15.13          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15676.088       | 55.35            | 23.56       | 74.0           | -18.65          | Peak     | 64.00          | 150         | Vertical | Pass    |
| 6** | 15676.088       | 43.30            | 23.56       | 54.0           | -10.70          | AV       | 64.00          | 150         | Vertical | Pass    |

## 11ac20, Band I, 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   | 1500.600        | 36.63            | -15.13      | 74.0           | -37.37          | Peak     | 286.00         | 150         | Horizontal | Pass    |
| 1** | 1500.600        | 27.18            | -15.13      | 54.0           | -26.82          | AV       | 286.00         | 150         | Horizontal | Pass    |
| 2   | 2798.600        | 41.02            | -8.82       | 74.0           | -32.98          | Peak     | 78.00          | 150         | Horizontal | Pass    |
| 2** | 2798.600        | 32.30            | -8.82       | 54.0           | -21.70          | AV       | 78.00          | 150         | Horizontal | Pass    |
| 3   | 4148.600        | 47.23            | -3.54       | 74.0           | -26.77          | Peak     | 137.00         | 150         | Horizontal | Pass    |
| 3** | 4148.600        | 35.87            | -3.54       | 54.0           | -18.13          | AV       | 137.00         | 150         | Horizontal | Pass    |
| 4   | 5177.000        | 98.18            | -0.55       | --             | -64.82          | Peak     | 163.00         | 150         | Horizontal | N/A     |
| 4** | 5177.000        | 92.40            | -0.55       | --             | 92.40           | AV       | 163.00         | 150         | Horizontal | N/A     |
| 5   | 11680.787       | 49.92            | 20.06       | 74.0           | -24.08          | Peak     | 341.00         | 150         | Horizontal | Pass    |
| 5** | 11680.787       | 39.67            | 20.06       | 54.0           | -14.33          | AV       | 341.00         | 150         | Horizontal | Pass    |
| 6   | 15811.537       | 54.67            | 23.22       | 74.0           | -19.33          | Peak     | 104.00         | 150         | Horizontal | Pass    |
| 6** | 15811.537       | 42.85            | 23.22       | 54.0           | -11.15          | AV       | 104.00         | 150         | Horizontal | Pass    |

## 11ac20, Band I, 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   | 1510.300        | 37.29            | -15.11      | 74.0           | -36.71          | Peak     | 353.00         | 150         | Vertical | Pass    |
| 1** | 1510.300        | 27.06            | -15.11      | 54.0           | -26.94          | AV       | 353.00         | 150         | Vertical | Pass    |
| 2   | 2789.200        | 41.53            | -8.88       | 74.0           | -32.47          | Peak     | 119.00         | 150         | Vertical | Pass    |
| 2** | 2789.200        | 32.75            | -8.88       | 54.0           | -21.25          | AV       | 119.00         | 150         | Vertical | Pass    |
| 3   | 4038.400        | 47.18            | -4.02       | 74.0           | -26.82          | Peak     | 162.00         | 150         | Vertical | Pass    |
| 3** | 4038.400        | 34.95            | -4.02       | 54.0           | -19.05          | AV       | 162.00         | 150         | Vertical | Pass    |
| 4   | 5178.600        | 92.83            | -0.65       | --             | -115.17         | Peak     | 208.00         | 150         | Vertical | N/A     |
| 4** | 5178.600        | 86.64            | -0.65       | --             | 86.64           | AV       | 208.00         | 150         | Vertical | N/A     |
| 5   | 11618.400       | 49.74            | 20.23       | 74.0           | -24.26          | Peak     | 272.00         | 150         | Vertical | Pass    |
| 5** | 11618.400       | 40.60            | 20.23       | 54.0           | -13.40          | AV       | 272.00         | 150         | Vertical | Pass    |
| 6   | 15613.350       | 55.54            | 23.48       | 74.0           | -18.46          | Peak     | 112.00         | 150         | Vertical | Pass    |
| 6** | 15613.350       | 43.72            | 23.48       | 54.0           | -10.28          | AV       | 112.00         | 150         | Vertical | Pass    |

## 11ac20, Band I, 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   | 1458.400        | 36.93            | -14.69      | 74.0           | -37.07          | Peak     | 315.00         | 150         | Horizontal | Pass    |
| 1** | 1458.400        | 27.68            | -14.69      | 54.0           | -26.32          | AV       | 315.00         | 150         | Horizontal | Pass    |
| 2   | 2724.800        | 42.39            | -8.69       | 74.0           | -31.61          | Peak     | 163.00         | 150         | Horizontal | Pass    |
| 2** | 2724.800        | 32.47            | -8.69       | 54.0           | -21.53          | AV       | 163.00         | 150         | Horizontal | Pass    |
| 3   | 4113.200        | 46.65            | -4.18       | 74.0           | -27.35          | Peak     | 23.00          | 150         | Horizontal | Pass    |
| 3** | 4113.200        | 35.88            | -4.18       | 54.0           | -18.12          | AV       | 23.00          | 150         | Horizontal | Pass    |
| 4   | 5219.000        | 98.78            | -0.20       | --             | -66.22          | Peak     | 165.00         | 150         | Horizontal | N/A     |
| 4** | 5219.000        | 93.06            | -0.20       | --             | 93.06           | AV       | 165.00         | 150         | Horizontal | N/A     |
| 5   | 11662.963       | 50.20            | 20.24       | 74.0           | -23.80          | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 5** | 11662.963       | 38.69            | 20.24       | 54.0           | -15.31          | AV       | 228.00         | 150         | Horizontal | Pass    |
| 6   | 15594.450       | 55.19            | 23.56       | 74.0           | -18.81          | Peak     | 87.00          | 150         | Horizontal | Pass    |
| 6** | 15594.450       | 43.05            | 23.56       | 54.0           | -10.95          | AV       | 87.00          | 150         | Horizontal | Pass    |

## 11ac20, Band I, 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   | 1488.700        | 36.54            | -15.19      | 74.0           | -37.46          | Peak     | 225.00         | 150         | Vertical | Pass    |
| 1** | 1488.700        | 27.30            | -15.19      | 54.0           | -26.70          | AV       | 225.00         | 150         | Vertical | Pass    |
| 2   | 2787.400        | 41.86            | -8.83       | 74.0           | -32.14          | Peak     | 212.00         | 150         | Vertical | Pass    |
| 2** | 2787.400        | 31.68            | -8.83       | 54.0           | -22.32          | AV       | 212.00         | 150         | Vertical | Pass    |
| 3   | 4210.600        | 48.19            | -3.93       | 74.0           | -25.81          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4210.600        | 36.06            | -3.93       | 54.0           | -17.94          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5222.600        | 93.56            | -0.39       | --             | -129.44         | Peak     | 223.00         | 150         | Vertical | N/A     |
| 4** | 5222.600        | 86.05            | -0.39       | --             | 86.05           | AV       | 223.00         | 150         | Vertical | N/A     |
| 5   | 11643.125       | 50.55            | 20.37       | 74.0           | -23.45          | Peak     | 280.00         | 150         | Vertical | Pass    |
| 5** | 11643.125       | 39.40            | 20.37       | 54.0           | -14.60          | AV       | 280.00         | 150         | Vertical | Pass    |
| 6   | 15627.263       | 55.55            | 23.49       | 74.0           | -18.45          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15627.263       | 44.07            | 23.49       | 54.0           | -9.93           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band I, 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   | 1459.800        | 36.82            | -14.70      | 74.0           | -37.18          | Peak     | 81.00          | 150         | Horizontal | Pass    |
| 1** | 1459.800        | 28.04            | -14.70      | 54.0           | -25.96          | AV       | 81.00          | 150         | Horizontal | Pass    |
| 2   | 2757.300        | 41.87            | -9.00       | 74.0           | -32.13          | Peak     | 354.00         | 150         | Horizontal | Pass    |
| 2** | 2757.300        | 32.59            | -9.00       | 54.0           | -21.41          | AV       | 354.00         | 150         | Horizontal | Pass    |
| 3   | 4183.400        | 47.77            | -3.92       | 74.0           | -26.23          | Peak     | 347.00         | 150         | Horizontal | Pass    |
| 3** | 4183.400        | 35.06            | -3.92       | 54.0           | -18.94          | AV       | 347.00         | 150         | Horizontal | Pass    |
| 4   | 5238.000        | 98.29            | -0.92       | --             | -90.71          | Peak     | 189.00         | 150         | Horizontal | N/A     |
| 4** | 5238.000        | 92.22            | -0.92       | --             | 92.22           | AV       | 189.00         | 150         | Horizontal | N/A     |
| 5   | 12335.425       | 50.13            | 19.81       | 74.0           | -23.87          | Peak     | 237.00         | 150         | Horizontal | Pass    |
| 5** | 12335.425       | 39.43            | 19.81       | 54.0           | -14.57          | AV       | 237.00         | 150         | Horizontal | Pass    |
| 6   | 15598.125       | 55.07            | 23.55       | 74.0           | -18.93          | Peak     | 303.00         | 150         | Horizontal | Pass    |
| 6** | 15598.125       | 42.84            | 23.55       | 54.0           | -11.16          | AV       | 303.00         | 150         | Horizontal | Pass    |

## 11ac20, Band I, 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   | 1473.100        | 37.00            | -14.89      | 74.0           | -37.00          | Peak     | 265.00         | 150         | Vertical | Pass    |
| 1** | 1473.100        | 27.08            | -14.89      | 54.0           | -26.92          | AV       | 265.00         | 150         | Vertical | Pass    |
| 2   | 2781.300        | 42.47            | -8.67       | 74.0           | -31.53          | Peak     | 82.00          | 150         | Vertical | Pass    |
| 2** | 2781.300        | 32.49            | -8.67       | 54.0           | -21.51          | AV       | 82.00          | 150         | Vertical | Pass    |
| 3   | 4052.400        | 46.80            | -3.67       | 74.0           | -27.20          | Peak     | 90.00          | 150         | Vertical | Pass    |
| 3** | 4052.400        | 36.79            | -3.67       | 54.0           | -17.21          | AV       | 90.00          | 150         | Vertical | Pass    |
| 4   | 5238.600        | 92.51            | -0.94       | --             | -112.49         | Peak     | 205.00         | 150         | Vertical | N/A     |
| 4** | 5238.600        | 85.68            | -0.94       | --             | 85.68           | AV       | 205.00         | 150         | Vertical | N/A     |
| 5   | 12207.200       | 50.71            | 20.44       | 74.0           | -23.29          | Peak     | 133.00         | 150         | Vertical | Pass    |
| 5** | 12207.200       | 38.39            | 20.44       | 54.0           | -15.61          | AV       | 133.00         | 150         | Vertical | Pass    |
| 6   | 15601.013       | 54.68            | 23.55       | 74.0           | -19.32          | Peak     | 46.00          | 150         | Vertical | Pass    |
| 6** | 15601.013       | 44.03            | 23.55       | 54.0           | -9.97           | AV       | 46.00          | 150         | Vertical | Pass    |

## 11ac40, Band I, 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   | 1597.900        | 37.23            | -15.17      | 74.0           | -36.77          | Peak     | 345.00         | 150         | Horizontal | Pass    |
| 1** | 1597.900        | 28.37            | -15.17      | 54.0           | -25.63          | AV       | 345.00         | 150         | Horizontal | Pass    |
| 2   | 2719.100        | 42.96            | -8.70       | 74.0           | -31.04          | Peak     | 345.00         | 150         | Horizontal | Pass    |
| 2** | 2719.100        | 31.64            | -8.70       | 54.0           | -22.36          | AV       | 345.00         | 150         | Horizontal | Pass    |
| 3   | 4063.400        | 47.34            | -3.86       | 74.0           | -26.66          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 3** | 4063.400        | 35.43            | -3.86       | 54.0           | -18.57          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 4   | 5187.800        | 93.86            | -0.73       | --             | -69.14          | Peak     | 163.00         | 150         | Horizontal | N/A     |
| 4** | 5187.800        | 87.86            | -0.73       | --             | 87.86           | AV       | 163.00         | 150         | Horizontal | N/A     |
| 5   | 12354.975       | 51.22            | 19.67       | 74.0           | -22.78          | Peak     | 136.00         | 150         | Horizontal | Pass    |
| 5** | 12354.975       | 38.72            | 19.67       | 54.0           | -15.28          | AV       | 136.00         | 150         | Horizontal | Pass    |
| 6   | 15934.387       | 56.43            | 23.83       | 74.0           | -17.57          | Peak     | 161.00         | 150         | Horizontal | Pass    |
| 6** | 15934.387       | 43.91            | 23.83       | 54.0           | -10.09          | AV       | 161.00         | 150         | Horizontal | Pass    |

## 11ac40, Band I, 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   | 1535.600        | 37.02            | -15.04      | 74.0           | -36.98          | Peak     | 253.00         | 150         | Vertical | Pass    |
| 1** | 1535.600        | 28.78            | -15.04      | 54.0           | -25.22          | AV       | 253.00         | 150         | Vertical | Pass    |
| 2   | 2847.500        | 42.30            | -8.28       | 74.0           | -31.70          | Peak     | 282.00         | 150         | Vertical | Pass    |
| 2** | 2847.500        | 32.49            | -8.28       | 54.0           | -21.51          | AV       | 282.00         | 150         | Vertical | Pass    |
| 3   | 3966.200        | 46.59            | -4.28       | 74.0           | -27.41          | Peak     | 125.00         | 150         | Vertical | Pass    |
| 3** | 3966.200        | 35.42            | -4.28       | 54.0           | -18.58          | AV       | 125.00         | 150         | Vertical | Pass    |
| 4   | 5182.600        | 87.82            | -0.57       | --             | 20.82           | Peak     | 67.00          | 150         | Vertical | N/A     |
| 4** | 5182.600        | 80.03            | -0.57       | --             | 80.03           | AV       | 67.00          | 150         | Vertical | N/A     |
| 5   | 12359.576       | 50.98            | 19.64       | 74.0           | -23.02          | Peak     | 237.00         | 150         | Vertical | Pass    |
| 5** | 12359.576       | 38.90            | 19.64       | 54.0           | -15.10          | AV       | 237.00         | 150         | Vertical | Pass    |
| 6   | 15701.026       | 55.87            | 23.57       | 74.0           | -18.13          | Peak     | 29.00          | 150         | Vertical | Pass    |
| 6** | 15701.026       | 44.06            | 23.57       | 54.0           | -9.94           | AV       | 29.00          | 150         | Vertical | Pass    |

## 11ac40, Band I, 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   | 1542.400        | 36.35            | -14.96      | 74.0           | -37.65          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 1** | 1542.400        | 28.76            | -14.96      | 54.0           | -25.24          | AV       | 131.00         | 150         | Horizontal | Pass    |
| 2   | 2820.500        | 41.37            | -8.41       | 74.0           | -32.63          | Peak     | 115.00         | 150         | Horizontal | Pass    |
| 2** | 2820.500        | 31.90            | -8.41       | 54.0           | -22.10          | AV       | 115.00         | 150         | Horizontal | Pass    |
| 3   | 4259.600        | 47.51            | -3.40       | 74.0           | -26.49          | Peak     | 72.00          | 150         | Horizontal | Pass    |
| 3** | 4259.600        | 35.85            | -3.40       | 54.0           | -18.15          | AV       | 72.00          | 150         | Horizontal | Pass    |
| 4   | 5222.600        | 93.99            | -0.39       | --             | -72.01          | Peak     | 166.00         | 150         | Horizontal | N/A     |
| 4** | 5222.600        | 87.74            | -0.39       | --             | 87.74           | AV       | 166.00         | 150         | Horizontal | N/A     |
| 5   | 11770.776       | 50.53            | 18.77       | 74.0           | -23.47          | Peak     | 176.00         | 150         | Horizontal | Pass    |
| 5** | 11770.776       | 38.37            | 18.77       | 54.0           | -15.63          | AV       | 176.00         | 150         | Horizontal | Pass    |
| 6   | 15955.387       | 55.89            | 23.97       | 74.0           | -18.11          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15955.387       | 43.41            | 23.97       | 54.0           | -10.59          | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11ac40, Band I, 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   | 1482.700        | 36.39            | -15.16      | 74.0           | -37.61          | Peak     | 237.00         | 150         | Vertical | Pass    |
| 1** | 1482.700        | 27.56            | -15.16      | 54.0           | -26.44          | AV       | 237.00         | 150         | Vertical | Pass    |
| 2   | 2845.600        | 42.69            | -8.42       | 74.0           | -31.31          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2845.600        | 33.97            | -8.42       | 54.0           | -20.03          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4037.400        | 46.69            | -4.01       | 74.0           | -27.31          | Peak     | 317.00         | 150         | Vertical | Pass    |
| 3** | 4037.400        | 35.10            | -4.01       | 54.0           | -18.90          | AV       | 317.00         | 150         | Vertical | Pass    |
| 4   | 5228.200        | 87.98            | -0.49       | --             | -137.02         | Peak     | 225.00         | 150         | Vertical | N/A     |
| 4** | 5228.200        | 81.80            | -0.49       | --             | 81.80           | AV       | 225.00         | 150         | Vertical | N/A     |
| 5   | 11644.276       | 50.25            | 20.38       | 74.0           | -23.75          | Peak     | 269.00         | 150         | Vertical | Pass    |
| 5** | 11644.276       | 39.39            | 20.38       | 54.0           | -14.61          | AV       | 269.00         | 150         | Vertical | Pass    |
| 6   | 15487.088       | 54.94            | 23.76       | 74.0           | -19.06          | Peak     | 349.00         | 150         | Vertical | Pass    |
| 6** | 15487.088       | 43.79            | 23.76       | 54.0           | -10.21          | AV       | 349.00         | 150         | Vertical | Pass    |

## 11ac80, Band I, 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   | 1560.600        | 36.80            | -15.09      | 74.0           | -37.20          | Peak     | 345.00         | 150         | Horizontal | Pass    |
| 1** | 1560.600        | 27.53            | -15.09      | 54.0           | -26.47          | AV       | 345.00         | 150         | Horizontal | Pass    |
| 2   | 2844.800        | 42.35            | -8.46       | 74.0           | -31.65          | Peak     | 28.00          | 150         | Horizontal | Pass    |
| 2** | 2844.800        | 32.96            | -8.46       | 54.0           | -21.04          | AV       | 28.00          | 150         | Horizontal | Pass    |
| 3   | 4026.400        | 47.10            | -3.85       | 74.0           | -26.90          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 3** | 4026.400        | 35.80            | -3.85       | 54.0           | -18.20          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 4   | 5213.400        | 91.52            | -0.43       | --             | -75.48          | Peak     | 167.00         | 150         | Horizontal | N/A     |
| 4** | 5213.400        | 83.71            | -0.43       | --             | 83.71           | AV       | 167.00         | 150         | Horizontal | N/A     |
| 5   | 12309.550       | 50.16            | 19.95       | 74.0           | -23.84          | Peak     | 346.00         | 150         | Horizontal | Pass    |
| 5** | 12309.550       | 38.61            | 19.95       | 54.0           | -15.39          | AV       | 346.00         | 150         | Horizontal | Pass    |
| 6   | 15985.313       | 55.69            | 24.01       | 74.0           | -18.31          | Peak     | 266.00         | 150         | Horizontal | Pass    |
| 6** | 15985.313       | 44.49            | 24.01       | 54.0           | -9.51           | AV       | 266.00         | 150         | Horizontal | Pass    |

## 11ac80, Band I, 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   | 1472.300        | 37.46            | -14.88      | 74.0           | -36.54          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1472.300        | 27.80            | -14.88      | 54.0           | -26.20          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2784.200        | 42.20            | -8.67       | 74.0           | -31.80          | Peak     | 148.00         | 150         | Vertical | Pass    |
| 2** | 2784.200        | 32.98            | -8.67       | 54.0           | -21.02          | AV       | 148.00         | 150         | Vertical | Pass    |
| 3   | 4090.400        | 47.45            | -4.48       | 74.0           | -26.55          | Peak     | 13.00          | 150         | Vertical | Pass    |
| 3** | 4090.400        | 34.64            | -4.48       | 54.0           | -19.36          | AV       | 13.00          | 150         | Vertical | Pass    |
| 4   | 5203.400        | 86.43            | -0.50       | --             | -114.57         | Peak     | 201.00         | 150         | Vertical | N/A     |
| 4** | 5203.400        | 79.47            | -0.50       | --             | 79.47           | AV       | 201.00         | 150         | Vertical | N/A     |
| 5   | 12279.363       | 50.28            | 20.24       | 74.0           | -23.72          | Peak     | 249.00         | 150         | Vertical | Pass    |
| 5** | 12279.363       | 39.06            | 20.24       | 54.0           | -14.94          | AV       | 249.00         | 150         | Vertical | Pass    |
| 6   | 15500.213       | 56.24            | 23.97       | 74.0           | -17.76          | Peak     | 234.00         | 150         | Vertical | Pass    |
| 6** | 15500.213       | 43.49            | 23.97       | 54.0           | -10.51          | AV       | 234.00         | 150         | Vertical | Pass    |

## 11a, Band II, 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   | 1605.400        | 37.42            | -15.38      | 74.0           | -36.58          | Peak     | 41.00          | 150         | Horizontal | Pass    |
| 1** | 1605.400        | 27.90            | -15.38      | 54.0           | -26.10          | AV       | 41.00          | 150         | Horizontal | Pass    |
| 2   | 2831.700        | 41.97            | -8.38       | 74.0           | -32.03          | Peak     | 74.00          | 150         | Horizontal | Pass    |
| 2** | 2831.700        | 32.52            | -8.38       | 54.0           | -21.48          | AV       | 74.00          | 150         | Horizontal | Pass    |
| 3   | 4171.800        | 47.08            | -3.82       | 74.0           | -26.92          | Peak     | 311.00         | 150         | Horizontal | Pass    |
| 3** | 4171.800        | 34.91            | -3.82       | 54.0           | -19.09          | AV       | 311.00         | 150         | Horizontal | Pass    |
| 4   | 5259.400        | 103.07           | -1.05       | --             | -31.93          | Peak     | 135.00         | 150         | Horizontal | N/A     |
| 4** | 5259.400        | 97.51            | -1.05       | --             | 97.51           | AV       | 135.00         | 150         | Horizontal | N/A     |
| 5   | 12362.162       | 50.43            | 19.61       | 74.0           | -23.57          | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 5** | 12362.162       | 39.29            | 19.61       | 54.0           | -14.71          | AV       | 330.00         | 150         | Horizontal | Pass    |
| 6   | 15925.987       | 55.53            | 23.72       | 74.0           | -18.47          | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 6** | 15925.987       | 43.38            | 23.72       | 54.0           | -10.62          | AV       | 330.00         | 150         | Horizontal | Pass    |

## 11a, Band II, 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   | 1548.800        | 37.19            | -14.99      | 74.0           | -36.81          | Peak     | 318.00         | 150         | Vertical | Pass    |
| 1** | 1548.800        | 27.70            | -14.99      | 54.0           | -26.30          | AV       | 318.00         | 150         | Vertical | Pass    |
| 2   | 2815.900        | 41.46            | -8.33       | 74.0           | -32.54          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 2** | 2815.900        | 33.20            | -8.33       | 54.0           | -20.80          | AV       | 284.00         | 150         | Vertical | Pass    |
| 3   | 4147.200        | 47.70            | -3.62       | 74.0           | -26.30          | Peak     | 125.00         | 150         | Vertical | Pass    |
| 3** | 4147.200        | 35.35            | -3.62       | 54.0           | -18.65          | AV       | 125.00         | 150         | Vertical | Pass    |
| 4   | 5261.400        | 96.83            | -1.05       | --             | 33.83           | Peak     | 63.00          | 150         | Vertical | N/A     |
| 4** | 5261.400        | 90.69            | -1.05       | --             | 90.69           | AV       | 63.00          | 150         | Vertical | N/A     |
| 5   | 11607.474       | 50.62            | 20.17       | 74.0           | -23.38          | Peak     | 168.00         | 150         | Vertical | Pass    |
| 5** | 11607.474       | 38.11            | 20.17       | 54.0           | -15.89          | AV       | 168.00         | 150         | Vertical | Pass    |
| 6   | 15504.151       | 55.36            | 23.93       | 74.0           | -18.64          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 6** | 15504.151       | 44.12            | 23.93       | 54.0           | -9.88           | AV       | 194.00         | 150         | Vertical | Pass    |

## 11a, Band II, 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   | 1481.300        | 36.70            | -15.14      | 74.0           | -37.30          | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 1** | 1481.300        | 27.09            | -15.14      | 54.0           | -26.91          | AV       | 233.00         | 150         | Horizontal | Pass    |
| 2   | 2776.500        | 41.64            | -8.56       | 74.0           | -32.36          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2776.500        | 32.83            | -8.56       | 54.0           | -21.17          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4172.400        | 47.10            | -3.84       | 74.0           | -26.90          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 3** | 4172.400        | 37.27            | -3.84       | 54.0           | -16.73          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 4   | 5302.000        | 103.79           | 0.29        | --             | -77.21          | Peak     | 181.00         | 150         | Horizontal | N/A     |
| 4** | 5302.000        | 96.86            | 0.29        | --             | 96.86           | AV       | 181.00         | 150         | Horizontal | N/A     |
| 5   | 12344.050       | 50.74            | 19.75       | 74.0           | -23.26          | Peak     | 37.00          | 150         | Horizontal | Pass    |
| 5** | 12344.050       | 38.89            | 19.75       | 54.0           | -15.11          | AV       | 37.00          | 150         | Horizontal | Pass    |
| 6   | 15947.513       | 55.82            | 23.94       | 74.0           | -18.18          | Peak     | 10.00          | 150         | Horizontal | Pass    |
| 6** | 15947.513       | 42.10            | 23.94       | 54.0           | -11.90          | AV       | 10.00          | 150         | Horizontal | Pass    |

## 11a, Band II, 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   | 1588.500        | 36.95            | -15.23      | 74.0           | -37.05          | Peak     | 4.00           | 150         | Vertical | Pass    |
| 1** | 1588.500        | 27.60            | -15.23      | 54.0           | -26.40          | AV       | 4.00           | 150         | Vertical | Pass    |
| 2   | 2829.100        | 41.95            | -8.24       | 74.0           | -32.05          | Peak     | 250.00         | 150         | Vertical | Pass    |
| 2** | 2829.100        | 32.46            | -8.24       | 54.0           | -21.54          | AV       | 250.00         | 150         | Vertical | Pass    |
| 3   | 4095.400        | 47.72            | -4.44       | 74.0           | -26.28          | Peak     | 298.00         | 150         | Vertical | Pass    |
| 3** | 4095.400        | 35.94            | -4.44       | 54.0           | -18.06          | AV       | 298.00         | 150         | Vertical | Pass    |
| 4   | 5299.200        | 97.51            | 0.27        | --             | -139.49         | Peak     | 237.00         | 150         | Vertical | N/A     |
| 4** | 5299.200        | 91.06            | 0.27        | --             | 91.06           | AV       | 237.00         | 150         | Vertical | N/A     |
| 5   | 12239.688       | 50.81            | 20.43       | 74.0           | -23.19          | Peak     | 319.00         | 150         | Vertical | Pass    |
| 5** | 12239.688       | 38.28            | 20.43       | 54.0           | -15.72          | AV       | 319.00         | 150         | Vertical | Pass    |
| 6   | 15563.737       | 55.90            | 23.58       | 74.0           | -18.10          | Peak     | 240.00         | 150         | Vertical | Pass    |
| 6** | 15563.737       | 43.38            | 23.58       | 54.0           | -10.62          | AV       | 240.00         | 150         | Vertical | Pass    |

## 11a, Band II, 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   | 1561.000        | 35.91            | -15.09      | 74.0           | -38.09          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 1** | 1561.000        | 26.84            | -15.09      | 54.0           | -27.16          | AV       | 168.00         | 150         | Horizontal | Pass    |
| 2   | 2803.600        | 41.03            | -8.73       | 74.0           | -32.97          | Peak     | 182.00         | 150         | Horizontal | Pass    |
| 2** | 2803.600        | 31.51            | -8.73       | 54.0           | -22.49          | AV       | 182.00         | 150         | Horizontal | Pass    |
| 3   | 4141.600        | 46.97            | -4.00       | 74.0           | -27.03          | Peak     | 53.00          | 150         | Horizontal | Pass    |
| 3** | 4141.600        | 36.51            | -4.00       | 54.0           | -17.49          | AV       | 53.00          | 150         | Horizontal | Pass    |
| 4   | 5318.800        | 103.70           | 0.13        | --             | -71.30          | Peak     | 175.00         | 150         | Horizontal | N/A     |
| 4** | 5318.800        | 97.89            | 0.13        | --             | 97.89           | AV       | 175.00         | 150         | Horizontal | N/A     |
| 5   | 11551.412       | 50.59            | 19.72       | 74.0           | -23.41          | Peak     | 104.00         | 150         | Horizontal | Pass    |
| 5** | 11551.412       | 38.91            | 19.72       | 54.0           | -15.09          | AV       | 104.00         | 150         | Horizontal | Pass    |
| 6   | 15926.250       | 55.41            | 23.73       | 74.0           | -18.59          | Peak     | 148.00         | 150         | Horizontal | Pass    |
| 6** | 15926.250       | 43.85            | 23.73       | 54.0           | -10.15          | AV       | 148.00         | 150         | Horizontal | Pass    |

## 11a, Band II, 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   | 1454.200        | 37.24            | -14.67      | 74.0           | -36.76          | Peak     | 100.00         | 150         | Vertical | Pass    |
| 1** | 1454.200        | 27.40            | -14.67      | 54.0           | -26.60          | AV       | 100.00         | 150         | Vertical | Pass    |
| 2   | 2801.300        | 41.98            | -8.76       | 74.0           | -32.02          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 2801.300        | 32.02            | -8.76       | 54.0           | -21.98          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4125.000        | 46.70            | -3.98       | 74.0           | -27.30          | Peak     | 16.00          | 150         | Vertical | Pass    |
| 3** | 4125.000        | 35.40            | -3.98       | 54.0           | -18.60          | AV       | 16.00          | 150         | Vertical | Pass    |
| 4   | 5318.400        | 97.31            | 0.09        | --             | -125.69         | Peak     | 223.00         | 150         | Vertical | N/A     |
| 4** | 5318.400        | 90.62            | 0.09        | --             | 90.62           | AV       | 223.00         | 150         | Vertical | N/A     |
| 5   | 11645.425       | 50.50            | 20.38       | 74.0           | -23.50          | Peak     | 148.00         | 150         | Vertical | Pass    |
| 5** | 11645.425       | 38.91            | 20.38       | 54.0           | -15.09          | AV       | 148.00         | 150         | Vertical | Pass    |
| 6   | 15968.775       | 55.30            | 24.00       | 74.0           | -18.70          | Peak     | 176.00         | 150         | Vertical | Pass    |
| 6** | 15968.775       | 43.73            | 24.00       | 54.0           | -10.27          | AV       | 176.00         | 150         | Vertical | Pass    |

## 11n20, Band II, 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   | 1381.600        | 36.66            | -14.85      | 74.0           | -37.34          | Peak     | 293.00         | 150         | Horizontal | Pass    |
| 1** | 1381.600        | 27.17            | -14.85      | 54.0           | -26.83          | AV       | 293.00         | 150         | Horizontal | Pass    |
| 2   | 2835.700        | 41.83            | -8.47       | 74.0           | -32.17          | Peak     | 56.00          | 150         | Horizontal | Pass    |
| 2** | 2835.700        | 32.56            | -8.47       | 54.0           | -21.44          | AV       | 56.00          | 150         | Horizontal | Pass    |
| 3   | 4127.600        | 46.80            | -3.99       | 74.0           | -27.20          | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 3** | 4127.600        | 36.21            | -3.99       | 54.0           | -17.79          | AV       | 191.00         | 150         | Horizontal | Pass    |
| 4   | 5260.000        | 100.71           | -1.05       | --             | -56.29          | Peak     | 157.00         | 150         | Horizontal | N/A     |
| 4** | 5260.000        | 92.52            | -1.05       | --             | 92.52           | AV       | 157.00         | 150         | Horizontal | N/A     |
| 5   | 11612.075       | 50.83            | 20.20       | 74.0           | -23.17          | Peak     | 199.00         | 150         | Horizontal | Pass    |
| 5** | 11612.075       | 38.80            | 20.20       | 54.0           | -15.20          | AV       | 199.00         | 150         | Horizontal | Pass    |
| 6   | 15537.225       | 55.02            | 23.71       | 74.0           | -18.98          | Peak     | 97.00          | 150         | Horizontal | Pass    |
| 6** | 15537.225       | 43.01            | 23.71       | 54.0           | -10.99          | AV       | 97.00          | 150         | Horizontal | Pass    |

## 11n20, Band II, 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   | 1466.500        | 37.87            | -14.85      | 74.0           | -36.13          | Peak     | 21.00          | 150         | Vertical | Pass    |
| 1** | 1466.500        | 29.57            | -14.85      | 54.0           | -24.43          | AV       | 21.00          | 150         | Vertical | Pass    |
| 2   | 2757.500        | 41.35            | -8.99       | 74.0           | -32.65          | Peak     | 155.00         | 150         | Vertical | Pass    |
| 2** | 2757.500        | 31.38            | -8.99       | 54.0           | -22.62          | AV       | 155.00         | 150         | Vertical | Pass    |
| 3   | 4216.000        | 46.99            | -3.96       | 74.0           | -27.01          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4216.000        | 34.96            | -3.96       | 54.0           | -19.04          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5261.600        | 93.59            | -1.05       | --             | 28.59           | Peak     | 65.00          | 150         | Vertical | N/A     |
| 4** | 5261.600        | 87.60            | -1.05       | --             | 87.60           | AV       | 65.00          | 150         | Vertical | N/A     |
| 5   | 12276.775       | 50.78            | 20.26       | 74.0           | -23.22          | Peak     | 1.00           | 150         | Vertical | Pass    |
| 5** | 12276.775       | 39.25            | 20.26       | 54.0           | -14.75          | AV       | 1.00           | 150         | Vertical | Pass    |
| 6   | 15611.775       | 54.89            | 23.49       | 74.0           | -19.11          | Peak     | 268.00         | 150         | Vertical | Pass    |
| 6** | 15611.775       | 43.21            | 23.49       | 54.0           | -10.79          | AV       | 268.00         | 150         | Vertical | Pass    |

## 11n20, Band II, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1582.500        | 37.87            | -15.30      | 74.0           | -36.13          | Peak     | 49.00          | 150         | Horizontal | Pass    |
| 1** | 1582.500        | 26.79            | -15.30      | 54.0           | -27.21          | AV       | 49.00          | 150         | Horizontal | Pass    |
| 2   | 2820.900        | 41.68            | -8.40       | 74.0           | -32.32          | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 2** | 2820.900        | 31.45            | -8.40       | 54.0           | -22.55          | AV       | 61.00          | 150         | Horizontal | Pass    |
| 3   | 4132.000        | 47.01            | -4.12       | 74.0           | -26.99          | Peak     | 348.00         | 150         | Horizontal | Pass    |
| 3** | 4132.000        | 36.61            | -4.12       | 54.0           | -17.39          | AV       | 348.00         | 150         | Horizontal | Pass    |
| 4   | 5300.800        | 100.48           | 0.28        | --             | -80.52          | Peak     | 181.00         | 150         | Horizontal | N/A     |
| 4** | 5300.800        | 94.30            | 0.28        | --             | 94.30           | AV       | 181.00         | 150         | Horizontal | N/A     |
| 5   | 11650.312       | 50.51            | 20.39       | 74.0           | -23.49          | Peak     | 192.00         | 150         | Horizontal | Pass    |
| 5** | 11650.312       | 39.86            | 20.39       | 54.0           | -14.14          | AV       | 192.00         | 150         | Horizontal | Pass    |
| 6   | 15500.738       | 56.20            | 23.96       | 74.0           | -17.80          | Peak     | 255.00         | 150         | Horizontal | Pass    |
| 6** | 15500.738       | 45.90            | 23.96       | 54.0           | -8.10           | AV       | 255.00         | 150         | Horizontal | Pass    |

## 11n20, Band II, 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   | 1503.600        | 36.93            | -15.10      | 74.0           | -37.07          | Peak     | 191.00         | 150         | Vertical | Pass    |
| 1** | 1503.600        | 27.50            | -15.10      | 54.0           | -26.50          | AV       | 191.00         | 150         | Vertical | Pass    |
| 2   | 2743.800        | 41.77            | -8.83       | 74.0           | -32.23          | Peak     | 56.00          | 150         | Vertical | Pass    |
| 2** | 2743.800        | 32.74            | -8.83       | 54.0           | -21.26          | AV       | 56.00          | 150         | Vertical | Pass    |
| 3   | 4254.800        | 47.81            | -3.07       | 74.0           | -26.19          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4254.800        | 36.41            | -3.07       | 54.0           | -17.59          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5299.800        | 95.28            | 0.27        | --             | -142.72         | Peak     | 238.00         | 150         | Vertical | N/A     |
| 4** | 5299.800        | 87.54            | 0.27        | --             | 87.54           | AV       | 238.00         | 150         | Vertical | N/A     |
| 5   | 12202.025       | 51.01            | 20.43       | 74.0           | -22.99          | Peak     | 158.00         | 150         | Vertical | Pass    |
| 5** | 12202.025       | 38.13            | 20.43       | 54.0           | -15.87          | AV       | 158.00         | 150         | Vertical | Pass    |
| 6   | 15674.250       | 54.86            | 23.55       | 74.0           | -19.14          | Peak     | 286.00         | 150         | Vertical | Pass    |
| 6** | 15674.250       | 43.33            | 23.55       | 54.0           | -10.67          | AV       | 286.00         | 150         | Vertical | Pass    |

## 11n20, Band II, 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   | 1546.000        | 36.44            | -14.90      | 74.0           | -37.56          | Peak     | 357.00         | 150         | Horizontal | Pass    |
| 1** | 1546.000        | 27.12            | -14.90      | 54.0           | -26.88          | AV       | 357.00         | 150         | Horizontal | Pass    |
| 2   | 2824.700        | 41.84            | -8.31       | 74.0           | -32.16          | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 2** | 2824.700        | 31.46            | -8.31       | 54.0           | -22.54          | AV       | 282.00         | 150         | Horizontal | Pass    |
| 3   | 4084.000        | 47.10            | -4.24       | 74.0           | -26.90          | Peak     | 314.00         | 150         | Horizontal | Pass    |
| 3** | 4084.000        | 35.70            | -4.24       | 54.0           | -18.30          | AV       | 314.00         | 150         | Horizontal | Pass    |
| 4   | 5322.000        | 101.71           | -0.07       | --             | -73.29          | Peak     | 175.00         | 150         | Horizontal | N/A     |
| 4** | 5322.000        | 94.24            | -0.07       | --             | 94.24           | AV       | 175.00         | 150         | Horizontal | N/A     |
| 5   | 11642.550       | 50.93            | 20.37       | 74.0           | -23.07          | Peak     | 325.00         | 150         | Horizontal | Pass    |
| 5** | 11642.550       | 39.26            | 20.37       | 54.0           | -14.74          | AV       | 325.00         | 150         | Horizontal | Pass    |
| 6   | 15812.325       | 55.57            | 23.23       | 74.0           | -18.43          | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 6** | 15812.325       | 43.32            | 23.23       | 54.0           | -10.68          | AV       | 233.00         | 150         | Horizontal | Pass    |

## 11n20, Band II, 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   | 1454.800        | 36.66            | -14.66      | 74.0           | -37.34          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 1** | 1454.800        | 27.31            | -14.66      | 54.0           | -26.69          | AV       | 204.00         | 150         | Vertical | Pass    |
| 2   | 2764.400        | 41.46            | -8.73       | 74.0           | -32.54          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 2** | 2764.400        | 32.40            | -8.73       | 54.0           | -21.60          | AV       | 204.00         | 150         | Vertical | Pass    |
| 3   | 4179.200        | 46.54            | -3.97       | 74.0           | -27.46          | Peak     | 182.00         | 150         | Vertical | Pass    |
| 3** | 4179.200        | 35.35            | -3.97       | 54.0           | -18.65          | AV       | 182.00         | 150         | Vertical | Pass    |
| 4   | 5318.600        | 93.69            | 0.11        | --             | -129.31         | Peak     | 223.00         | 150         | Vertical | N/A     |
| 4** | 5318.600        | 88.54            | 0.11        | --             | 88.54           | AV       | 223.00         | 150         | Vertical | N/A     |
| 5   | 12319.612       | 49.95            | 19.92       | 74.0           | -24.05          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 12319.612       | 38.35            | 19.92       | 54.0           | -15.65          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15636.450       | 54.87            | 23.54       | 74.0           | -19.13          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15636.450       | 43.04            | 23.54       | 54.0           | -10.96          | AV       | 0.00           | 150         | Vertical | Pass    |

## 11n40, Band II, 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   | 1583.600        | 36.65            | -15.29      | 74.0           | -37.35          | Peak     | 219.00         | 150         | Horizontal | Pass    |
| 1** | 1583.600        | 27.59            | -15.29      | 54.0           | -26.41          | AV       | 219.00         | 150         | Horizontal | Pass    |
| 2   | 2802.600        | 42.97            | -8.73       | 74.0           | -31.03          | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 2** | 2802.600        | 31.47            | -8.73       | 54.0           | -22.53          | AV       | 289.00         | 150         | Horizontal | Pass    |
| 3   | 4265.800        | 47.09            | -3.23       | 74.0           | -26.91          | Peak     | 321.00         | 150         | Horizontal | Pass    |
| 3** | 4265.800        | 35.51            | -3.23       | 54.0           | -18.49          | AV       | 321.00         | 150         | Horizontal | Pass    |
| 4   | 5272.000        | 97.38            | -0.69       | --             | -71.62          | Peak     | 169.00         | 150         | Horizontal | N/A     |
| 4** | 5272.000        | 91.13            | -0.69       | --             | 91.13           | AV       | 169.00         | 150         | Horizontal | N/A     |
| 5   | 12350.375       | 51.81            | 19.71       | 74.0           | -22.19          | Peak     | 111.00         | 150         | Horizontal | Pass    |
| 5** | 12350.375       | 39.55            | 19.71       | 54.0           | -14.45          | AV       | 111.00         | 150         | Horizontal | Pass    |
| 6   | 15629.887       | 55.39            | 23.50       | 74.0           | -18.61          | Peak     | 54.00          | 150         | Horizontal | Pass    |
| 6** | 15629.887       | 43.96            | 23.50       | 54.0           | -10.04          | AV       | 54.00          | 150         | Horizontal | Pass    |

## 11n40, Band II, 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   | 1511.800        | 36.27            | -15.07      | 74.0           | -37.73          | Peak     | 2.00           | 150         | Vertical | Pass    |
| 1** | 1511.800        | 27.22            | -15.07      | 54.0           | -26.78          | AV       | 2.00           | 150         | Vertical | Pass    |
| 2   | 2784.300        | 41.56            | -8.68       | 74.0           | -32.44          | Peak     | 121.00         | 150         | Vertical | Pass    |
| 2** | 2784.300        | 31.71            | -8.68       | 54.0           | -22.29          | AV       | 121.00         | 150         | Vertical | Pass    |
| 3   | 3976.400        | 46.45            | -4.11       | 74.0           | -27.55          | Peak     | 250.00         | 150         | Vertical | Pass    |
| 3** | 3976.400        | 34.51            | -4.11       | 54.0           | -19.49          | AV       | 250.00         | 150         | Vertical | Pass    |
| 4   | 5267.600        | 90.90            | -0.46       | --             | -130.10         | Peak     | 221.00         | 150         | Vertical | N/A     |
| 4** | 5267.600        | 84.03            | -0.46       | --             | 84.03           | AV       | 221.00         | 150         | Vertical | N/A     |
| 5   | 11665.263       | 50.24            | 20.22       | 74.0           | -23.76          | Peak     | 133.00         | 150         | Vertical | Pass    |
| 5** | 11665.263       | 39.26            | 20.22       | 54.0           | -14.74          | AV       | 133.00         | 150         | Vertical | Pass    |
| 6   | 15802.087       | 55.27            | 23.16       | 74.0           | -18.73          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15802.087       | 43.59            | 23.16       | 54.0           | -10.41          | AV       | 360.00         | 150         | Vertical | Pass    |

## 11n40, Band II, 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   | 1382.000        | 36.67            | -14.85      | 74.0           | -37.33          | Peak     | 293.00         | 150         | Horizontal | Pass    |
| 1** | 1382.000        | 28.39            | -14.85      | 54.0           | -25.61          | AV       | 293.00         | 150         | Horizontal | Pass    |
| 2   | 2865.200        | 42.32            | -8.05       | 74.0           | -31.68          | Peak     | 241.00         | 150         | Horizontal | Pass    |
| 2** | 2865.200        | 33.21            | -8.05       | 54.0           | -20.79          | AV       | 241.00         | 150         | Horizontal | Pass    |
| 3   | 4150.600        | 47.33            | -3.45       | 74.0           | -26.67          | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 3** | 4150.600        | 37.58            | -3.45       | 54.0           | -16.42          | AV       | 196.00         | 150         | Horizontal | Pass    |
| 4   | 5308.000        | 97.50            | 0.00        | --             | -70.50          | Peak     | 168.00         | 150         | Horizontal | N/A     |
| 4** | 5308.000        | 90.86            | 0.00        | --             | 90.86           | AV       | 168.00         | 150         | Horizontal | N/A     |
| 5   | 12322.487       | 50.88            | 19.91       | 74.0           | -23.12          | Peak     | 302.00         | 150         | Horizontal | Pass    |
| 5** | 12322.487       | 38.94            | 19.91       | 54.0           | -15.06          | AV       | 302.00         | 150         | Horizontal | Pass    |
| 6   | 15928.875       | 54.70            | 23.76       | 74.0           | -19.30          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15928.875       | 43.32            | 23.76       | 54.0           | -10.68          | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11n40, Band II, 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   | 1594.000        | 37.39            | -15.22      | 74.0           | -36.61          | Peak     | 153.00         | 150         | Vertical | Pass    |
| 1** | 1594.000        | 28.02            | -15.22      | 54.0           | -25.98          | AV       | 153.00         | 150         | Vertical | Pass    |
| 2   | 2774.500        | 41.78            | -8.53       | 74.0           | -32.22          | Peak     | 153.00         | 150         | Vertical | Pass    |
| 2** | 2774.500        | 32.68            | -8.53       | 54.0           | -21.32          | AV       | 153.00         | 150         | Vertical | Pass    |
| 3   | 4101.600        | 47.11            | -4.23       | 74.0           | -26.89          | Peak     | 297.00         | 150         | Vertical | Pass    |
| 3** | 4101.600        | 36.43            | -4.23       | 54.0           | -17.57          | AV       | 297.00         | 150         | Vertical | Pass    |
| 4   | 5313.400        | 92.43            | 0.13        | --             | -114.57         | Peak     | 207.00         | 150         | Vertical | N/A     |
| 4** | 5313.400        | 84.04            | 0.13        | --             | 84.04           | AV       | 207.00         | 150         | Vertical | N/A     |
| 5   | 12367.625       | 51.35            | 19.54       | 74.0           | -22.65          | Peak     | 64.00          | 150         | Vertical | Pass    |
| 5** | 12367.625       | 38.84            | 19.54       | 54.0           | -15.16          | AV       | 64.00          | 150         | Vertical | Pass    |
| 6   | 15615.188       | 56.02            | 23.47       | 74.0           | -17.98          | Peak     | 246.00         | 150         | Vertical | Pass    |
| 6** | 15615.188       | 45.18            | 23.47       | 54.0           | -8.82           | AV       | 246.00         | 150         | Vertical | Pass    |

## 11ac20, Band II, 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   | 1571.900        | 36.85            | -15.21      | 74.0           | -37.15          | Peak     | 300.00         | 150         | Horizontal | Pass    |
| 1** | 1571.900        | 27.05            | -15.21      | 54.0           | -26.95          | AV       | 300.00         | 150         | Horizontal | Pass    |
| 2   | 2819.600        | 41.64            | -8.38       | 74.0           | -32.36          | Peak     | 70.00          | 150         | Horizontal | Pass    |
| 2** | 2819.600        | 31.52            | -8.38       | 54.0           | -22.48          | AV       | 70.00          | 150         | Horizontal | Pass    |
| 3   | 4151.200        | 46.78            | -3.47       | 74.0           | -27.22          | Peak     | 100.00         | 150         | Horizontal | Pass    |
| 3** | 4151.200        | 35.29            | -3.47       | 54.0           | -18.71          | AV       | 100.00         | 150         | Horizontal | Pass    |
| 4   | 5260.600        | 99.59            | -1.05       | --             | -71.41          | Peak     | 171.00         | 150         | Horizontal | N/A     |
| 4** | 5260.600        | 93.68            | -1.05       | --             | 93.68           | AV       | 171.00         | 150         | Horizontal | N/A     |
| 5   | 11658.075       | 50.56            | 20.29       | 74.0           | -23.44          | Peak     | 84.00          | 150         | Horizontal | Pass    |
| 5** | 11658.075       | 39.11            | 20.29       | 54.0           | -14.89          | AV       | 84.00          | 150         | Horizontal | Pass    |
| 6   | 15619.912       | 55.61            | 23.45       | 74.0           | -18.39          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 6** | 15619.912       | 44.53            | 23.45       | 54.0           | -9.47           | AV       | 35.00          | 150         | Horizontal | Pass    |

## 11ac20, Band II, 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   | 1560.500        | 36.10            | -15.09      | 74.0           | -37.90          | Peak     | 126.00         | 150         | Vertical | Pass    |
| 1** | 1560.500        | 27.73            | -15.09      | 54.0           | -26.27          | AV       | 126.00         | 150         | Vertical | Pass    |
| 2   | 2827.600        | 42.05            | -8.31       | 74.0           | -31.95          | Peak     | 177.00         | 150         | Vertical | Pass    |
| 2** | 2827.600        | 32.36            | -8.31       | 54.0           | -21.64          | AV       | 177.00         | 150         | Vertical | Pass    |
| 3   | 4000.800        | 46.67            | -4.55       | 74.0           | -27.33          | Peak     | 100.00         | 150         | Vertical | Pass    |
| 3** | 4000.800        | 35.15            | -4.55       | 54.0           | -18.85          | AV       | 100.00         | 150         | Vertical | Pass    |
| 4   | 5257.600        | 93.25            | -1.04       | --             | -120.75         | Peak     | 214.00         | 150         | Vertical | N/A     |
| 4** | 5257.600        | 86.48            | -1.04       | --             | 86.48           | AV       | 214.00         | 150         | Vertical | N/A     |
| 5   | 11028.450       | 50.26            | 18.89       | 74.0           | -23.74          | Peak     | 249.00         | 150         | Vertical | Pass    |
| 5** | 11028.450       | 38.74            | 18.89       | 54.0           | -15.26          | AV       | 249.00         | 150         | Vertical | Pass    |
| 6   | 15672.674       | 55.91            | 23.54       | 74.0           | -18.09          | Peak     | 8.00           | 150         | Vertical | Pass    |
| 6** | 15672.674       | 42.86            | 23.54       | 54.0           | -11.14          | AV       | 8.00           | 150         | Vertical | Pass    |

## 11ac20, Band II, 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   | 1548.300        | 36.09            | -15.00      | 74.0           | -37.91          | Peak     | 21.00          | 150         | Horizontal | Pass    |
| 1** | 1548.300        | 27.86            | -15.00      | 54.0           | -26.14          | AV       | 21.00          | 150         | Horizontal | Pass    |
| 2   | 2873.600        | 42.37            | -8.29       | 74.0           | -31.63          | Peak     | 218.00         | 150         | Horizontal | Pass    |
| 2** | 2873.600        | 32.71            | -8.29       | 54.0           | -21.29          | AV       | 218.00         | 150         | Horizontal | Pass    |
| 3   | 4159.800        | 47.28            | -3.51       | 74.0           | -26.72          | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 3** | 4159.800        | 36.14            | -3.51       | 54.0           | -17.86          | AV       | 257.00         | 150         | Horizontal | Pass    |
| 4   | 5302.600        | 100.30           | 0.31        | --             | -65.70          | Peak     | 166.00         | 150         | Horizontal | N/A     |
| 4** | 5302.600        | 93.39            | 0.31        | --             | 93.39           | AV       | 166.00         | 150         | Horizontal | N/A     |
| 5   | 12368.775       | 51.39            | 19.53       | 74.0           | -22.61          | Peak     | 256.00         | 150         | Horizontal | Pass    |
| 5** | 12368.775       | 38.63            | 19.53       | 54.0           | -15.37          | AV       | 256.00         | 150         | Horizontal | Pass    |
| 6   | 15801.562       | 55.44            | 23.16       | 74.0           | -18.56          | Peak     | 276.00         | 150         | Horizontal | Pass    |
| 6** | 15801.562       | 43.33            | 23.16       | 54.0           | -10.67          | AV       | 276.00         | 150         | Horizontal | Pass    |

## 11ac20, Band II, 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   | 1456.600        | 36.60            | -14.66      | 74.0           | -37.40          | Peak     | 231.00         | 150         | Vertical | Pass    |
| 1** | 1456.600        | 27.35            | -14.66      | 54.0           | -26.65          | AV       | 231.00         | 150         | Vertical | Pass    |
| 2   | 2748.300        | 41.74            | -8.87       | 74.0           | -32.26          | Peak     | 282.00         | 150         | Vertical | Pass    |
| 2** | 2748.300        | 32.56            | -8.87       | 54.0           | -21.44          | AV       | 282.00         | 150         | Vertical | Pass    |
| 3   | 4175.600        | 47.47            | -4.04       | 74.0           | -26.53          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 3** | 4175.600        | 36.13            | -4.04       | 54.0           | -17.87          | AV       | 357.00         | 150         | Vertical | Pass    |
| 4   | 5299.400        | 93.83            | 0.27        | --             | -119.17         | Peak     | 213.00         | 150         | Vertical | N/A     |
| 4** | 5299.400        | 86.89            | 0.27        | --             | 86.89           | AV       | 213.00         | 150         | Vertical | N/A     |
| 5   | 11646.000       | 50.06            | 20.38       | 74.0           | -23.94          | Peak     | 275.00         | 150         | Vertical | Pass    |
| 5** | 11646.000       | 40.08            | 20.38       | 54.0           | -13.92          | AV       | 275.00         | 150         | Vertical | Pass    |
| 6   | 15932.812       | 55.37            | 23.81       | 74.0           | -18.63          | Peak     | 218.00         | 150         | Vertical | Pass    |
| 6** | 15932.812       | 43.67            | 23.81       | 54.0           | -10.33          | AV       | 218.00         | 150         | Vertical | Pass    |

## 11ac20, Band II, 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   | 1556.600        | 36.25            | -15.00      | 74.0           | -37.75          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1556.600        | 28.83            | -15.00      | 54.0           | -25.17          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2863.000        | 42.55            | -8.04       | 74.0           | -31.45          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 2** | 2863.000        | 32.87            | -8.04       | 54.0           | -21.13          | AV       | 50.00          | 150         | Horizontal | Pass    |
| 3   | 4129.400        | 46.71            | -4.08       | 74.0           | -27.29          | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 3** | 4129.400        | 35.08            | -4.08       | 54.0           | -18.92          | AV       | 31.00          | 150         | Horizontal | Pass    |
| 4   | 5321.600        | 100.65           | -0.09       | --             | -81.35          | Peak     | 182.00         | 150         | Horizontal | N/A     |
| 4** | 5321.600        | 94.16            | -0.09       | --             | 94.16           | AV       | 182.00         | 150         | Horizontal | N/A     |
| 5   | 11649.738       | 50.38            | 20.39       | 74.0           | -23.62          | Peak     | 136.00         | 150         | Horizontal | Pass    |
| 5** | 11649.738       | 39.73            | 20.39       | 54.0           | -14.27          | AV       | 136.00         | 150         | Horizontal | Pass    |
| 6   | 15452.174       | 56.03            | 23.42       | 74.0           | -17.97          | Peak     | 46.00          | 150         | Horizontal | Pass    |
| 6** | 15452.174       | 43.61            | 23.42       | 54.0           | -10.39          | AV       | 46.00          | 150         | Horizontal | Pass    |

## 11ac20, Band II, 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   | 1459.100        | 37.05            | -14.70      | 74.0           | -36.95          | Peak     | 4.00           | 150         | Vertical | Pass    |
| 1** | 1459.100        | 28.12            | -14.70      | 54.0           | -25.88          | AV       | 4.00           | 150         | Vertical | Pass    |
| 2   | 2771.500        | 41.90            | -8.47       | 74.0           | -32.10          | Peak     | 74.00          | 150         | Vertical | Pass    |
| 2** | 2771.500        | 33.44            | -8.47       | 54.0           | -20.56          | AV       | 74.00          | 150         | Vertical | Pass    |
| 3   | 4167.200        | 47.89            | -3.84       | 74.0           | -26.11          | Peak     | 173.00         | 150         | Vertical | Pass    |
| 3** | 4167.200        | 35.23            | -3.84       | 54.0           | -18.77          | AV       | 173.00         | 150         | Vertical | Pass    |
| 4   | 5319.000        | 92.97            | 0.15        | --             | -124.03         | Peak     | 217.00         | 150         | Vertical | N/A     |
| 4** | 5319.000        | 87.17            | 0.15        | --             | 87.17           | AV       | 217.00         | 150         | Vertical | N/A     |
| 5   | 11641.687       | 51.00            | 20.37       | 74.0           | -23.00          | Peak     | 342.00         | 150         | Vertical | Pass    |
| 5** | 11641.687       | 38.69            | 20.37       | 54.0           | -15.31          | AV       | 342.00         | 150         | Vertical | Pass    |
| 6   | 15996.338       | 55.63            | 24.02       | 74.0           | -18.37          | Peak     | 82.00          | 150         | Vertical | Pass    |
| 6** | 15996.338       | 44.66            | 24.02       | 54.0           | -9.34           | AV       | 82.00          | 150         | Vertical | Pass    |

## 11ac40, Band II, 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   | 1480.300        | 36.56            | -15.09      | 74.0           | -37.44          | Peak     | 111.00         | 150         | Horizontal | Pass    |
| 1** | 1480.300        | 27.51            | -15.09      | 54.0           | -26.49          | AV       | 111.00         | 150         | Horizontal | Pass    |
| 2   | 2779.800        | 42.13            | -8.52       | 74.0           | -31.87          | Peak     | 172.00         | 150         | Horizontal | Pass    |
| 2** | 2779.800        | 32.48            | -8.52       | 54.0           | -21.52          | AV       | 172.00         | 150         | Horizontal | Pass    |
| 3   | 4113.000        | 46.43            | -4.17       | 74.0           | -27.57          | Peak     | 101.00         | 150         | Horizontal | Pass    |
| 3** | 4113.000        | 35.56            | -4.17       | 54.0           | -18.44          | AV       | 101.00         | 150         | Horizontal | Pass    |
| 4   | 5276.200        | 95.20            | -0.52       | --             | -86.80          | Peak     | 182.00         | 150         | Horizontal | N/A     |
| 4** | 5276.200        | 88.06            | -0.52       | --             | 88.06           | AV       | 182.00         | 150         | Horizontal | N/A     |
| 5   | 11634.787       | 51.91            | 20.33       | 74.0           | -22.09          | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 5** | 11634.787       | 39.01            | 20.33       | 54.0           | -14.99          | AV       | 31.00          | 150         | Horizontal | Pass    |
| 6   | 15535.388       | 55.75            | 23.72       | 74.0           | -18.25          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 6** | 15535.388       | 43.35            | 23.72       | 54.0           | -10.65          | AV       | 119.00         | 150         | Horizontal | Pass    |

## 11ac40, Band II, 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   | 1468.200        | 36.71            | -14.81      | 74.0           | -37.29          | Peak     | 165.00         | 150         | Vertical | Pass    |
| 1** | 1468.200        | 28.09            | -14.81      | 54.0           | -25.91          | AV       | 165.00         | 150         | Vertical | Pass    |
| 2   | 2761.200        | 42.52            | -8.84       | 74.0           | -31.48          | Peak     | 171.00         | 150         | Vertical | Pass    |
| 2** | 2761.200        | 31.86            | -8.84       | 54.0           | -22.14          | AV       | 171.00         | 150         | Vertical | Pass    |
| 3   | 4035.200        | 47.31            | -3.91       | 74.0           | -26.69          | Peak     | 331.00         | 150         | Vertical | Pass    |
| 3** | 4035.200        | 36.32            | -3.91       | 54.0           | -17.68          | AV       | 331.00         | 150         | Vertical | Pass    |
| 4   | 5271.600        | 87.76            | -0.65       | --             | -120.24         | Peak     | 208.00         | 150         | Vertical | N/A     |
| 4** | 5271.600        | 82.39            | -0.65       | --             | 82.39           | AV       | 208.00         | 150         | Vertical | N/A     |
| 5   | 11640.825       | 50.80            | 20.37       | 74.0           | -23.20          | Peak     | 24.00          | 150         | Vertical | Pass    |
| 5** | 11640.825       | 39.01            | 20.37       | 54.0           | -14.99          | AV       | 24.00          | 150         | Vertical | Pass    |
| 6   | 15609.150       | 54.73            | 23.50       | 74.0           | -19.27          | Peak     | 99.00          | 150         | Vertical | Pass    |
| 6** | 15609.150       | 43.80            | 23.50       | 54.0           | -10.20          | AV       | 99.00          | 150         | Vertical | Pass    |

## 11ac40, Band II, 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   | 1541.700        | 36.42            | -14.99      | 74.0           | -37.58          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 1** | 1541.700        | 27.51            | -14.99      | 54.0           | -26.49          | AV       | 168.00         | 150         | Horizontal | Pass    |
| 2   | 2766.300        | 41.54            | -8.55       | 74.0           | -32.46          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 2766.300        | 32.42            | -8.55       | 54.0           | -21.58          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 4110.000        | 46.96            | -4.22       | 74.0           | -27.04          | Peak     | 115.00         | 150         | Horizontal | Pass    |
| 3** | 4110.000        | 35.75            | -4.22       | 54.0           | -18.25          | AV       | 115.00         | 150         | Horizontal | Pass    |
| 4   | 5307.000        | 95.97            | 0.13        | --             | -75.03          | Peak     | 171.00         | 150         | Horizontal | N/A     |
| 4** | 5307.000        | 89.42            | 0.13        | --             | 89.42           | AV       | 171.00         | 150         | Horizontal | N/A     |
| 5   | 11553.713       | 50.83            | 19.73       | 74.0           | -23.17          | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 5** | 11553.713       | 37.67            | 19.73       | 54.0           | -16.33          | AV       | 61.00          | 150         | Horizontal | Pass    |
| 6   | 15672.412       | 55.83            | 23.54       | 74.0           | -18.17          | Peak     | 245.00         | 150         | Horizontal | Pass    |
| 6** | 15672.412       | 43.65            | 23.54       | 54.0           | -10.35          | AV       | 245.00         | 150         | Horizontal | Pass    |

## 11ac40, Band II, 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   | 1461.100        | 36.94            | -14.73      | 74.0           | -37.06          | Peak     | 348.00         | 150         | Vertical | Pass    |
| 1** | 1461.100        | 27.76            | -14.73      | 54.0           | -26.24          | AV       | 348.00         | 150         | Vertical | Pass    |
| 2   | 2836.600        | 41.67            | -8.47       | 74.0           | -32.33          | Peak     | 198.00         | 150         | Vertical | Pass    |
| 2** | 2836.600        | 31.66            | -8.47       | 54.0           | -22.34          | AV       | 198.00         | 150         | Vertical | Pass    |
| 3   | 4042.400        | 46.79            | -3.92       | 74.0           | -27.21          | Peak     | 269.00         | 150         | Vertical | Pass    |
| 3** | 4042.400        | 34.55            | -3.92       | 54.0           | -19.45          | AV       | 269.00         | 150         | Vertical | Pass    |
| 4   | 5314.200        | 88.18            | 0.10        | --             | -130.82         | Peak     | 219.00         | 150         | Vertical | N/A     |
| 4** | 5314.200        | 82.68            | 0.10        | --             | 82.68           | AV       | 219.00         | 150         | Vertical | N/A     |
| 5   | 12225.313       | 51.30            | 20.44       | 74.0           | -22.70          | Peak     | 19.00          | 150         | Vertical | Pass    |
| 5** | 12225.313       | 38.86            | 20.44       | 54.0           | -15.14          | AV       | 19.00          | 150         | Vertical | Pass    |
| 6   | 15599.175       | 55.32            | 23.55       | 74.0           | -18.68          | Peak     | 177.00         | 150         | Vertical | Pass    |
| 6** | 15599.175       | 44.08            | 23.55       | 54.0           | -9.92           | AV       | 177.00         | 150         | Vertical | Pass    |

## 11ac80, Band II, 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   | 1328.200        | 36.85            | -14.81      | 74.0           | -37.15          | Peak     | 74.00          | 150         | Horizontal | Pass    |
| 1** | 1328.200        | 27.47            | -14.81      | 54.0           | -26.53          | AV       | 74.00          | 150         | Horizontal | Pass    |
| 2   | 2766.600        | 41.64            | -8.53       | 74.0           | -32.36          | Peak     | 179.00         | 150         | Horizontal | Pass    |
| 2** | 2766.600        | 33.64            | -8.53       | 54.0           | -20.36          | AV       | 179.00         | 150         | Horizontal | Pass    |
| 3   | 3993.000        | 46.44            | -4.56       | 74.0           | -27.56          | Peak     | 203.00         | 150         | Horizontal | Pass    |
| 3** | 3993.000        | 35.69            | -4.56       | 54.0           | -18.31          | AV       | 203.00         | 150         | Horizontal | Pass    |
| 4   | 5286.600        | 92.54            | -0.47       | --             | -93.46          | Peak     | 186.00         | 150         | Horizontal | N/A     |
| 4** | 5286.600        | 84.22            | -0.47       | --             | 84.22           | AV       | 186.00         | 150         | Horizontal | N/A     |
| 5   | 11671.588       | 50.48            | 20.15       | 74.0           | -23.52          | Peak     | 17.00          | 150         | Horizontal | Pass    |
| 5** | 11671.588       | 38.98            | 20.15       | 54.0           | -15.02          | AV       | 17.00          | 150         | Horizontal | Pass    |
| 6   | 15935.438       | 55.28            | 23.84       | 74.0           | -18.72          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 6** | 15935.438       | 44.03            | 23.84       | 54.0           | -9.97           | AV       | 35.00          | 150         | Horizontal | Pass    |

## 11ac80, Band II, 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   | 1528.000        | 37.11            | -15.08      | 74.0           | -36.89          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 1** | 1528.000        | 27.52            | -15.08      | 54.0           | -26.48          | AV       | 211.00         | 150         | Vertical | Pass    |
| 2   | 2786.800        | 41.23            | -8.80       | 74.0           | -32.77          | Peak     | 270.00         | 150         | Vertical | Pass    |
| 2** | 2786.800        | 31.88            | -8.80       | 54.0           | -22.12          | AV       | 270.00         | 150         | Vertical | Pass    |
| 3   | 4023.800        | 47.37            | -3.98       | 74.0           | -26.63          | Peak     | 330.00         | 150         | Vertical | Pass    |
| 3** | 4023.800        | 36.12            | -3.98       | 54.0           | -17.88          | AV       | 330.00         | 150         | Vertical | Pass    |
| 4   | 5283.000        | 85.24            | -0.29       | --             | -117.76         | Peak     | 203.00         | 150         | Vertical | N/A     |
| 4** | 5283.000        | 77.99            | -0.29       | --             | 77.99           | AV       | 203.00         | 150         | Vertical | N/A     |
| 5   | 12308.112       | 49.86            | 19.95       | 74.0           | -24.14          | Peak     | 94.00          | 150         | Vertical | Pass    |
| 5** | 12308.112       | 37.61            | 19.95       | 54.0           | -16.39          | AV       | 94.00          | 150         | Vertical | Pass    |
| 6   | 15639.338       | 55.42            | 23.56       | 74.0           | -18.58          | Peak     | 131.00         | 150         | Vertical | Pass    |
| 6** | 15639.338       | 44.38            | 23.56       | 54.0           | -9.62           | AV       | 131.00         | 150         | Vertical | Pass    |

## 11a, Band III, 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   | 1575.900        | 36.40            | -15.27      | 74.0           | -37.60          | Peak     | 158.00         | 150         | Horizontal | Pass    |
| 1** | 1575.900        | 28.35            | -15.27      | 54.0           | -25.65          | AV       | 158.00         | 150         | Horizontal | Pass    |
| 2   | 2778.100        | 41.91            | -8.52       | 74.0           | -32.09          | Peak     | 214.00         | 150         | Horizontal | Pass    |
| 2** | 2778.100        | 32.33            | -8.52       | 54.0           | -21.67          | AV       | 214.00         | 150         | Horizontal | Pass    |
| 3   | 4053.400        | 46.39            | -3.73       | 74.0           | -27.61          | Peak     | 95.00          | 150         | Horizontal | Pass    |
| 3** | 4053.400        | 35.30            | -3.73       | 54.0           | -18.70          | AV       | 95.00          | 150         | Horizontal | Pass    |
| 4   | 5501.400        | 104.18           | 0.47        | --             | -51.82          | Peak     | 156.00         | 150         | Horizontal | N/A     |
| 4** | 5501.400        | 99.42            | 0.47        | --             | 99.42           | AV       | 156.00         | 150         | Horizontal | N/A     |
| 5   | 12339.162       | 50.38            | 19.79       | 74.0           | -23.62          | Peak     | 260.00         | 150         | Horizontal | Pass    |
| 5** | 12339.162       | 38.75            | 19.79       | 54.0           | -15.25          | AV       | 260.00         | 150         | Horizontal | Pass    |
| 6   | 15912.600       | 55.08            | 23.51       | 74.0           | -18.92          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15912.600       | 43.35            | 23.51       | 54.0           | -10.65          | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11a, Band III, 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   | 1504.100        | 37.05            | -15.07      | 74.0           | -36.95          | Peak     | 294.00         | 150         | Vertical | Pass    |
| 1** | 1504.100        | 26.86            | -15.07      | 54.0           | -27.14          | AV       | 294.00         | 150         | Vertical | Pass    |
| 2   | 2781.300        | 42.33            | -8.67       | 74.0           | -31.67          | Peak     | 15.00          | 150         | Vertical | Pass    |
| 2** | 2781.300        | 31.71            | -8.67       | 54.0           | -22.29          | AV       | 15.00          | 150         | Vertical | Pass    |
| 3   | 3947.400        | 46.48            | -4.80       | 74.0           | -27.52          | Peak     | 320.00         | 150         | Vertical | Pass    |
| 3** | 3947.400        | 33.58            | -4.80       | 54.0           | -20.42          | AV       | 320.00         | 150         | Vertical | Pass    |
| 4   | 5500.600        | 97.31            | 0.48        | --             | -106.69         | Peak     | 204.00         | 150         | Vertical | N/A     |
| 4** | 5500.600        | 90.81            | 0.48        | --             | 90.81           | AV       | 204.00         | 150         | Vertical | N/A     |
| 5   | 11617.825       | 50.56            | 20.23       | 74.0           | -23.44          | Peak     | 300.00         | 150         | Vertical | Pass    |
| 5** | 11617.825       | 39.02            | 20.23       | 54.0           | -14.98          | AV       | 300.00         | 150         | Vertical | Pass    |
| 6   | 15445.875       | 55.06            | 23.33       | 74.0           | -18.94          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15445.875       | 44.17            | 23.33       | 54.0           | -9.83           | AV       | 0.00           | 150         | Vertical | Pass    |

## 11a, Band III, 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   | 1456.200        | 36.81            | -14.65      | 74.0           | -37.19          | Peak     | 98.00          | 150         | Horizontal | Pass    |
| 1** | 1456.200        | 27.97            | -14.65      | 54.0           | -26.03          | AV       | 98.00          | 150         | Horizontal | Pass    |
| 2   | 2780.900        | 42.02            | -8.63       | 74.0           | -31.98          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2780.900        | 32.27            | -8.63       | 54.0           | -21.73          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4279.000        | 47.61            | -3.51       | 74.0           | -26.39          | Peak     | 220.00         | 150         | Horizontal | Pass    |
| 3** | 4279.000        | 35.07            | -3.51       | 54.0           | -18.93          | AV       | 220.00         | 150         | Horizontal | Pass    |
| 4   | 5579.200        | 105.23           | 0.84        | --             | -67.77          | Peak     | 173.00         | 150         | Horizontal | N/A     |
| 4** | 5579.200        | 98.33            | 0.84        | --             | 98.33           | AV       | 173.00         | 150         | Horizontal | N/A     |
| 5   | 11633.350       | 50.31            | 20.32       | 74.0           | -23.69          | Peak     | 93.00          | 150         | Horizontal | Pass    |
| 5** | 11633.350       | 38.95            | 20.32       | 54.0           | -15.05          | AV       | 93.00          | 150         | Horizontal | Pass    |
| 6   | 15620.963       | 55.27            | 23.45       | 74.0           | -18.73          | Peak     | 315.00         | 150         | Horizontal | Pass    |
| 6** | 15620.963       | 43.26            | 23.45       | 54.0           | -10.74          | AV       | 315.00         | 150         | Horizontal | Pass    |

## 11a, Band III, 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   | 1478.100        | 36.35            | -14.98      | 74.0           | -37.65          | Peak     | 3.00           | 150         | Vertical | Pass    |
| 1** | 1478.100        | 27.87            | -14.98      | 54.0           | -26.13          | AV       | 3.00           | 150         | Vertical | Pass    |
| 2   | 2721.600        | 42.96            | -8.69       | 74.0           | -31.04          | Peak     | 265.00         | 150         | Vertical | Pass    |
| 2** | 2721.600        | 32.06            | -8.69       | 54.0           | -21.94          | AV       | 265.00         | 150         | Vertical | Pass    |
| 3   | 4177.800        | 47.33            | -3.96       | 74.0           | -26.67          | Peak     | 152.00         | 150         | Vertical | Pass    |
| 3** | 4177.800        | 37.44            | -3.96       | 54.0           | -16.56          | AV       | 152.00         | 150         | Vertical | Pass    |
| 4   | 5579.800        | 98.04            | 0.88        | --             | -117.96         | Peak     | 216.00         | 150         | Vertical | N/A     |
| 4** | 5579.800        | 91.21            | 0.88        | --             | 91.21           | AV       | 216.00         | 150         | Vertical | N/A     |
| 5   | 11683.662       | 50.84            | 20.02       | 74.0           | -23.16          | Peak     | 93.00          | 150         | Vertical | Pass    |
| 5** | 11683.662       | 38.61            | 20.02       | 54.0           | -15.39          | AV       | 93.00          | 150         | Vertical | Pass    |
| 6   | 15602.850       | 55.33            | 23.54       | 74.0           | -18.67          | Peak     | 274.00         | 150         | Vertical | Pass    |
| 6** | 15602.850       | 43.25            | 23.54       | 54.0           | -10.75          | AV       | 274.00         | 150         | Vertical | Pass    |

## 11a, Band III, 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   | 1532.500        | 35.85            | -15.05      | 74.0           | -38.15          | Peak     | 300.00         | 150         | Horizontal | Pass    |
| 1** | 1532.500        | 26.85            | -15.05      | 54.0           | -27.15          | AV       | 300.00         | 150         | Horizontal | Pass    |
| 2   | 2783.300        | 41.91            | -8.68       | 74.0           | -32.09          | Peak     | 96.00          | 150         | Horizontal | Pass    |
| 2** | 2783.300        | 32.48            | -8.68       | 54.0           | -21.52          | AV       | 96.00          | 150         | Horizontal | Pass    |
| 3   | 3954.800        | 46.60            | -4.65       | 74.0           | -27.40          | Peak     | 68.00          | 150         | Horizontal | Pass    |
| 3** | 3954.800        | 34.20            | -4.65       | 54.0           | -19.80          | AV       | 68.00          | 150         | Horizontal | Pass    |
| 4   | 5701.400        | 102.31           | -0.80       | --             | -81.69          | Peak     | 184.00         | 150         | Horizontal | N/A     |
| 4** | 5701.400        | 95.93            | -0.80       | --             | 95.93           | AV       | 184.00         | 150         | Horizontal | N/A     |
| 5   | 11350.450       | 48.25            | 18.23       | 74.0           | -25.75          | Peak     | 219.00         | 150         | Horizontal | Pass    |
| 5** | 11350.450       | 36.61            | 18.23       | 54.0           | -17.39          | AV       | 219.00         | 150         | Horizontal | Pass    |
| 6   | 15926.776       | 56.15            | 23.73       | 74.0           | -17.85          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 6** | 15926.776       | 41.62            | 23.73       | 54.0           | -12.38          | AV       | 20.00          | 150         | Horizontal | Pass    |

## 11a, Band III, 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   | 1478.300        | 36.18            | -14.99      | 74.0           | -37.82          | Peak     | 37.00          | 150         | Vertical | Pass    |
| 1** | 1478.300        | 27.43            | -14.99      | 54.0           | -26.57          | AV       | 37.00          | 150         | Vertical | Pass    |
| 2   | 2786.200        | 41.58            | -8.76       | 74.0           | -32.42          | Peak     | 56.00          | 150         | Vertical | Pass    |
| 2** | 2786.200        | 31.34            | -8.76       | 54.0           | -22.66          | AV       | 56.00          | 150         | Vertical | Pass    |
| 3   | 4802.200        | 49.07            | -1.29       | 74.0           | -24.93          | Peak     | 288.00         | 150         | Vertical | Pass    |
| 3** | 4802.200        | 37.16            | -1.29       | 54.0           | -16.84          | AV       | 288.00         | 150         | Vertical | Pass    |
| 4   | 5698.200        | 95.71            | -0.77       | --             | -129.29         | Peak     | 225.00         | 150         | Vertical | N/A     |
| 4** | 5698.200        | 89.61            | -0.77       | --             | 89.61           | AV       | 225.00         | 150         | Vertical | N/A     |
| 5   | 11674.750       | 49.15            | 20.12       | 74.0           | -24.85          | Peak     | 317.00         | 150         | Vertical | Pass    |
| 5** | 11674.750       | 37.45            | 20.12       | 54.0           | -16.55          | AV       | 317.00         | 150         | Vertical | Pass    |
| 6   | 15880.838       | 53.40            | 23.35       | 74.0           | -20.60          | Peak     | 99.00          | 150         | Vertical | Pass    |
| 6** | 15880.838       | 41.14            | 23.35       | 54.0           | -12.86          | AV       | 99.00          | 150         | Vertical | Pass    |

## 11n20, Band III, 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   | 1322.900        | 36.80            | -14.74      | 74.0           | -37.20          | Peak     | 256.00         | 150         | Horizontal | Pass    |
| 1** | 1322.900        | 26.22            | -14.74      | 54.0           | -27.78          | AV       | 256.00         | 150         | Horizontal | Pass    |
| 2   | 2867.300        | 42.39            | -8.10       | 74.0           | -31.61          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 2** | 2867.300        | 33.03            | -8.10       | 54.0           | -20.97          | AV       | 50.00          | 150         | Horizontal | Pass    |
| 3   | 4158.200        | 46.21            | -3.52       | 74.0           | -27.79          | Peak     | 10.00          | 150         | Horizontal | Pass    |
| 3** | 4158.200        | 34.27            | -3.52       | 54.0           | -19.73          | AV       | 10.00          | 150         | Horizontal | Pass    |
| 4   | 5499.000        | 99.81            | 0.52        | --             | -78.19          | Peak     | 178.00         | 150         | Horizontal | N/A     |
| 4** | 5499.000        | 94.16            | 0.52        | --             | 94.16           | AV       | 178.00         | 150         | Horizontal | N/A     |
| 5   | 11628.463       | 48.81            | 20.29       | 74.0           | -25.19          | Peak     | 88.00          | 150         | Horizontal | Pass    |
| 5** | 11628.463       | 37.61            | 20.29       | 54.0           | -16.39          | AV       | 88.00          | 150         | Horizontal | Pass    |
| 6   | 15629.362       | 54.20            | 23.50       | 74.0           | -19.80          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 6** | 15629.362       | 41.97            | 23.50       | 54.0           | -12.03          | AV       | 76.00          | 150         | Horizontal | Pass    |

## 11n20, Band III, 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   | 1379.000        | 36.92            | -14.91      | 74.0           | -37.08          | Peak     | 204.00         | 150         | Vertical | Pass    |
| 1** | 1379.000        | 26.90            | -14.91      | 54.0           | -27.10          | AV       | 204.00         | 150         | Vertical | Pass    |
| 2   | 2783.000        | 41.71            | -8.69       | 74.0           | -32.29          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 2** | 2783.000        | 33.42            | -8.69       | 54.0           | -20.58          | AV       | 292.00         | 150         | Vertical | Pass    |
| 3   | 4174.600        | 46.45            | -3.96       | 74.0           | -27.55          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 3** | 4174.600        | 34.42            | -3.96       | 54.0           | -19.58          | AV       | 287.00         | 150         | Vertical | Pass    |
| 4   | 5501.200        | 93.65            | 0.47        | --             | -123.35         | Peak     | 217.00         | 150         | Vertical | N/A     |
| 4** | 5501.200        | 87.60            | 0.47        | --             | 87.60           | AV       | 217.00         | 150         | Vertical | N/A     |
| 5   | 11645.712       | 48.40            | 20.38       | 74.0           | -25.60          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 5** | 11645.712       | 36.72            | 20.38       | 54.0           | -17.28          | AV       | 284.00         | 150         | Vertical | Pass    |
| 6   | 15826.763       | 53.52            | 23.33       | 74.0           | -20.48          | Peak     | 87.00          | 150         | Vertical | Pass    |
| 6** | 15826.763       | 42.40            | 23.33       | 54.0           | -11.60          | AV       | 87.00          | 150         | Vertical | Pass    |

## 11n20, Band III, 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   | 1456.000        | 36.49            | -14.64      | 74.0           | -37.51          | Peak     | 319.00         | 150         | Horizontal | Pass    |
| 1** | 1456.000        | 26.65            | -14.64      | 54.0           | -27.35          | AV       | 319.00         | 150         | Horizontal | Pass    |
| 2   | 2798.000        | 41.54            | -8.83       | 74.0           | -32.46          | Peak     | 16.00          | 150         | Horizontal | Pass    |
| 2** | 2798.000        | 31.55            | -8.83       | 54.0           | -22.45          | AV       | 16.00          | 150         | Horizontal | Pass    |
| 3   | 4199.000        | 46.70            | -4.06       | 74.0           | -27.30          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 3** | 4199.000        | 34.96            | -4.06       | 54.0           | -19.04          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 4   | 5578.200        | 100.04           | 0.76        | --             | -69.96          | Peak     | 170.00         | 150         | Horizontal | N/A     |
| 4** | 5578.200        | 93.93            | 0.76        | --             | 93.93           | AV       | 170.00         | 150         | Horizontal | N/A     |
| 5   | 11627.312       | 48.62            | 20.28       | 74.0           | -25.38          | Peak     | 302.00         | 150         | Horizontal | Pass    |
| 5** | 11627.312       | 37.41            | 20.28       | 54.0           | -16.59          | AV       | 302.00         | 150         | Horizontal | Pass    |
| 6   | 15734.625       | 53.16            | 23.48       | 74.0           | -20.84          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15734.625       | 41.45            | 23.48       | 54.0           | -12.55          | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11n20, Band III, 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   | 1483.500        | 36.49            | -15.17      | 74.0           | -37.51          | Peak     | 267.00         | 150         | Vertical | Pass    |
| 1** | 1483.500        | 27.92            | -15.17      | 54.0           | -26.08          | AV       | 267.00         | 150         | Vertical | Pass    |
| 2   | 2845.600        | 42.16            | -8.42       | 74.0           | -31.84          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 2** | 2845.600        | 31.82            | -8.42       | 54.0           | -22.18          | AV       | 292.00         | 150         | Vertical | Pass    |
| 3   | 4235.400        | 47.08            | -3.45       | 74.0           | -26.92          | Peak     | 79.00          | 150         | Vertical | Pass    |
| 3** | 4235.400        | 34.49            | -3.45       | 54.0           | -19.51          | AV       | 79.00          | 150         | Vertical | Pass    |
| 4   | 5580.600        | 94.01            | 0.91        | --             | -124.99         | Peak     | 219.00         | 150         | Vertical | N/A     |
| 4** | 5580.600        | 86.92            | 0.91        | --             | 86.92           | AV       | 219.00         | 150         | Vertical | N/A     |
| 5   | 10851.637       | 48.75            | 18.32       | 74.0           | -25.25          | Peak     | 153.00         | 150         | Vertical | Pass    |
| 5** | 10851.637       | 35.50            | 18.32       | 54.0           | -18.50          | AV       | 153.00         | 150         | Vertical | Pass    |
| 6   | 15885.563       | 53.74            | 23.33       | 74.0           | -20.26          | Peak     | 290.00         | 150         | Vertical | Pass    |
| 6** | 15885.563       | 41.13            | 23.33       | 54.0           | -12.87          | AV       | 290.00         | 150         | Vertical | Pass    |

## 11n20, Band III, 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   | 1558.300        | 36.08            | -14.98      | 74.0           | -37.92          | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 1** | 1558.300        | 27.75            | -14.98      | 54.0           | -26.25          | AV       | 289.00         | 150         | Horizontal | Pass    |
| 2   | 2777.600        | 41.68            | -8.53       | 74.0           | -32.32          | Peak     | 35.00          | 150         | Horizontal | Pass    |
| 2** | 2777.600        | 31.76            | -8.53       | 54.0           | -22.24          | AV       | 35.00          | 150         | Horizontal | Pass    |
| 3   | 4185.400        | 46.31            | -4.01       | 74.0           | -27.69          | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 3** | 4185.400        | 36.22            | -4.01       | 54.0           | -17.78          | AV       | 309.00         | 150         | Horizontal | Pass    |
| 4   | 5701.800        | 100.00           | -0.78       | --             | -64.00          | Peak     | 164.00         | 150         | Horizontal | N/A     |
| 4** | 5701.800        | 93.34            | -0.78       | --             | 93.34           | AV       | 164.00         | 150         | Horizontal | N/A     |
| 5   | 11765.026       | 48.69            | 18.81       | 74.0           | -25.31          | Peak     | 8.00           | 150         | Horizontal | Pass    |
| 5** | 11765.026       | 36.40            | 18.81       | 54.0           | -17.60          | AV       | 8.00           | 150         | Horizontal | Pass    |
| 6   | 15913.912       | 53.33            | 23.53       | 74.0           | -20.67          | Peak     | 346.00         | 150         | Horizontal | Pass    |
| 6** | 15913.912       | 40.30            | 23.53       | 54.0           | -13.70          | AV       | 346.00         | 150         | Horizontal | Pass    |

## 11n20, Band III, 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   | 1393.600        | 36.90            | -14.83      | 74.0           | -37.10          | Peak     | 359.00         | 150         | Vertical | Pass    |
| 1** | 1393.600        | 27.02            | -14.83      | 54.0           | -26.98          | AV       | 359.00         | 150         | Vertical | Pass    |
| 2   | 2844.400        | 42.33            | -8.49       | 74.0           | -31.67          | Peak     | 307.00         | 150         | Vertical | Pass    |
| 2** | 2844.400        | 32.92            | -8.49       | 54.0           | -21.08          | AV       | 307.00         | 150         | Vertical | Pass    |
| 3   | 4087.600        | 45.90            | -4.31       | 74.0           | -28.10          | Peak     | 134.00         | 150         | Vertical | Pass    |
| 3** | 4087.600        | 34.02            | -4.31       | 54.0           | -19.98          | AV       | 134.00         | 150         | Vertical | Pass    |
| 4   | 5698.000        | 91.95            | -0.76       | --             | -116.05         | Peak     | 208.00         | 150         | Vertical | N/A     |
| 4** | 5698.000        | 85.66            | -0.76       | --             | 85.66           | AV       | 208.00         | 150         | Vertical | N/A     |
| 5   | 12299.487       | 49.79            | 19.98       | 74.0           | -24.21          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 12299.487       | 36.73            | 19.98       | 54.0           | -17.27          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15650.625       | 53.14            | 23.52       | 74.0           | -20.86          | Peak     | 156.00         | 150         | Vertical | Pass    |
| 6** | 15650.625       | 41.67            | 23.52       | 54.0           | -12.33          | AV       | 156.00         | 150         | Vertical | Pass    |

## 11n40, Band III, 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   | 1515.200        | 35.82            | -15.13      | 74.0           | -38.18          | Peak     | 346.00         | 150         | Horizontal | Pass    |
| 1** | 1515.200        | 27.04            | -15.13      | 54.0           | -26.96          | AV       | 346.00         | 150         | Horizontal | Pass    |
| 2   | 2772.500        | 41.37            | -8.46       | 74.0           | -32.63          | Peak     | 158.00         | 150         | Horizontal | Pass    |
| 2** | 2772.500        | 32.80            | -8.46       | 54.0           | -21.20          | AV       | 158.00         | 150         | Horizontal | Pass    |
| 3   | 4000.200        | 46.69            | -4.53       | 74.0           | -27.31          | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 3** | 4000.200        | 34.19            | -4.53       | 54.0           | -19.81          | AV       | 196.00         | 150         | Horizontal | Pass    |
| 4   | 5512.800        | 95.95            | 0.26        | --             | -139.05         | Peak     | 235.00         | 150         | Horizontal | N/A     |
| 4** | 5512.800        | 90.00            | 0.26        | --             | 90.00           | AV       | 235.00         | 150         | Horizontal | N/A     |
| 5   | 11572.400       | 48.37            | 19.85       | 74.0           | -25.63          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11572.400       | 36.00            | 19.85       | 54.0           | -18.00          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15549.563       | 53.77            | 23.61       | 74.0           | -20.23          | Peak     | 107.00         | 150         | Horizontal | Pass    |
| 6** | 15549.563       | 42.17            | 23.61       | 54.0           | -11.83          | AV       | 107.00         | 150         | Horizontal | Pass    |

## 11n40, Band III, 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   | 1382.400        | 36.27            | -14.85      | 74.0           | -37.73          | Peak     | 61.00          | 150         | Vertical | Pass    |
| 1** | 1382.400        | 27.92            | -14.85      | 54.0           | -26.08          | AV       | 61.00          | 150         | Vertical | Pass    |
| 2   | 2757.800        | 41.95            | -8.98       | 74.0           | -32.05          | Peak     | 151.00         | 150         | Vertical | Pass    |
| 2** | 2757.800        | 32.90            | -8.98       | 54.0           | -21.10          | AV       | 151.00         | 150         | Vertical | Pass    |
| 3   | 4044.800        | 46.33            | -3.92       | 74.0           | -27.67          | Peak     | 48.00          | 150         | Vertical | Pass    |
| 3** | 4044.800        | 34.15            | -3.92       | 54.0           | -19.85          | AV       | 48.00          | 150         | Vertical | Pass    |
| 4   | 5507.200        | 89.62            | 0.27        | --             | -116.38         | Peak     | 206.00         | 150         | Vertical | N/A     |
| 4** | 5507.200        | 82.76            | 0.27        | --             | 82.76           | AV       | 206.00         | 150         | Vertical | N/A     |
| 5   | 11752.950       | 48.57            | 18.92       | 74.0           | -25.43          | Peak     | 232.00         | 150         | Vertical | Pass    |
| 5** | 11752.950       | 36.36            | 18.92       | 54.0           | -17.64          | AV       | 232.00         | 150         | Vertical | Pass    |
| 6   | 15894.750       | 53.37            | 23.29       | 74.0           | -20.63          | Peak     | 86.00          | 150         | Vertical | Pass    |
| 6** | 15894.750       | 41.69            | 23.29       | 54.0           | -12.31          | AV       | 86.00          | 150         | Vertical | Pass    |

## 11n40, Band III, 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   | 1578.000        | 36.59            | -15.21      | 74.0           | -37.41          | Peak     | 193.00         | 150         | Horizontal | Pass    |
| 1** | 1578.000        | 26.86            | -15.21      | 54.0           | -27.14          | AV       | 193.00         | 150         | Horizontal | Pass    |
| 2   | 2712.800        | 41.60            | -8.79       | 74.0           | -32.40          | Peak     | 65.00          | 150         | Horizontal | Pass    |
| 2** | 2712.800        | 31.76            | -8.79       | 54.0           | -22.24          | AV       | 65.00          | 150         | Horizontal | Pass    |
| 3   | 4027.800        | 45.98            | -3.90       | 74.0           | -28.02          | Peak     | 200.00         | 150         | Horizontal | Pass    |
| 3** | 4027.800        | 34.21            | -3.90       | 54.0           | -19.79          | AV       | 200.00         | 150         | Horizontal | Pass    |
| 4   | 5591.400        | 95.76            | 0.59        | --             | -140.24         | Peak     | 236.00         | 150         | Horizontal | N/A     |
| 4** | 5591.400        | 89.67            | 0.59        | --             | 89.67           | AV       | 236.00         | 150         | Horizontal | N/A     |
| 5   | 11652.325       | 48.35            | 20.36       | 74.0           | -25.65          | Peak     | 276.00         | 150         | Horizontal | Pass    |
| 5** | 11652.325       | 36.91            | 20.36       | 54.0           | -17.09          | AV       | 276.00         | 150         | Horizontal | Pass    |
| 6   | 15784.762       | 53.71            | 23.17       | 74.0           | -20.29          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 6** | 15784.762       | 41.60            | 23.17       | 54.0           | -12.40          | AV       | 33.00          | 150         | Horizontal | Pass    |

## 11n40, Band III, 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   | 1523.400        | 36.03            | -15.02      | 74.0           | -37.97          | Peak     | 25.00          | 150         | Vertical | Pass    |
| 1** | 1523.400        | 26.94            | -15.02      | 54.0           | -27.06          | AV       | 25.00          | 150         | Vertical | Pass    |
| 2   | 2828.600        | 41.50            | -8.22       | 74.0           | -32.50          | Peak     | 32.00          | 150         | Vertical | Pass    |
| 2** | 2828.600        | 33.04            | -8.22       | 54.0           | -20.96          | AV       | 32.00          | 150         | Vertical | Pass    |
| 3   | 4166.000        | 46.81            | -3.80       | 74.0           | -27.19          | Peak     | 120.00         | 150         | Vertical | Pass    |
| 3** | 4166.000        | 34.69            | -3.80       | 54.0           | -19.31          | AV       | 120.00         | 150         | Vertical | Pass    |
| 4   | 5584.800        | 90.16            | 0.57        | --             | -128.84         | Peak     | 219.00         | 150         | Vertical | N/A     |
| 4** | 5584.800        | 82.38            | 0.57        | --             | 82.38           | AV       | 219.00         | 150         | Vertical | N/A     |
| 5   | 12337.724       | 49.31            | 19.80       | 74.0           | -24.69          | Peak     | 310.00         | 150         | Vertical | Pass    |
| 5** | 12337.724       | 37.78            | 19.80       | 54.0           | -16.22          | AV       | 310.00         | 150         | Vertical | Pass    |
| 6   | 15572.662       | 53.91            | 23.58       | 74.0           | -20.09          | Peak     | 153.00         | 150         | Vertical | Pass    |
| 6** | 15572.662       | 41.94            | 23.58       | 54.0           | -12.06          | AV       | 153.00         | 150         | Vertical | Pass    |

## 11n40, Band III, 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   | 1569.200        | 36.27            | -15.08      | 74.0           | -37.73          | Peak     | 187.00         | 150         | Horizontal | Pass    |
| 1** | 1569.200        | 28.96            | -15.08      | 54.0           | -25.04          | AV       | 187.00         | 150         | Horizontal | Pass    |
| 2   | 2771.700        | 41.59            | -8.47       | 74.0           | -32.41          | Peak     | 133.00         | 150         | Horizontal | Pass    |
| 2** | 2771.700        | 32.97            | -8.47       | 54.0           | -21.03          | AV       | 133.00         | 150         | Horizontal | Pass    |
| 3   | 4015.800        | 46.20            | -4.08       | 74.0           | -27.80          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4015.800        | 34.77            | -4.08       | 54.0           | -19.23          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5668.400        | 96.67            | 0.06        | --             | -155.33         | Peak     | 252.00         | 150         | Horizontal | N/A     |
| 4** | 5668.400        | 89.87            | 0.06        | --             | 89.87           | AV       | 252.00         | 150         | Horizontal | N/A     |
| 5   | 11673.888       | 49.05            | 20.13       | 74.0           | -24.95          | Peak     | 148.00         | 150         | Horizontal | Pass    |
| 5** | 11673.888       | 36.71            | 20.13       | 54.0           | -17.29          | AV       | 148.00         | 150         | Horizontal | Pass    |
| 6   | 15540.901       | 54.49            | 23.69       | 74.0           | -19.51          | Peak     | 320.00         | 150         | Horizontal | Pass    |
| 6** | 15540.901       | 42.34            | 23.69       | 54.0           | -11.66          | AV       | 320.00         | 150         | Horizontal | Pass    |

## 11n40, Band III, 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   | 1506.100        | 36.37            | -15.03      | 74.0           | -37.63          | Peak     | 106.00         | 150         | Vertical | Pass    |
| 1** | 1506.100        | 27.00            | -15.03      | 54.0           | -27.00          | AV       | 106.00         | 150         | Vertical | Pass    |
| 2   | 2758.300        | 41.62            | -8.95       | 74.0           | -32.38          | Peak     | 92.00          | 150         | Vertical | Pass    |
| 2** | 2758.300        | 31.89            | -8.95       | 54.0           | -22.11          | AV       | 92.00          | 150         | Vertical | Pass    |
| 3   | 4142.200        | 46.99            | -3.98       | 74.0           | -27.01          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 3** | 4142.200        | 34.28            | -3.98       | 54.0           | -19.72          | AV       | 263.00         | 150         | Vertical | Pass    |
| 4   | 5667.200        | 88.82            | 0.15        | --             | -146.18         | Peak     | 235.00         | 150         | Vertical | N/A     |
| 4** | 5667.200        | 82.98            | 0.15        | --             | 82.98           | AV       | 235.00         | 150         | Vertical | N/A     |
| 5   | 12463.362       | 49.06            | 18.61       | 74.0           | -24.94          | Peak     | 20.00          | 150         | Vertical | Pass    |
| 5** | 12463.362       | 38.04            | 18.61       | 54.0           | -15.96          | AV       | 20.00          | 150         | Vertical | Pass    |
| 6   | 15938.326       | 53.98            | 23.88       | 74.0           | -20.02          | Peak     | 123.00         | 150         | Vertical | Pass    |
| 6** | 15938.326       | 42.48            | 23.88       | 54.0           | -11.52          | AV       | 123.00         | 150         | Vertical | Pass    |

## 11ac20, Band III, 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   | 1510.600        | 36.62            | -15.09      | 74.0           | -37.38          | Peak     | 69.00          | 150         | Horizontal | Pass    |
| 1** | 1510.600        | 26.56            | -15.09      | 54.0           | -27.44          | AV       | 69.00          | 150         | Horizontal | Pass    |
| 2   | 2725.300        | 42.03            | -8.72       | 74.0           | -31.97          | Peak     | 306.00         | 150         | Horizontal | Pass    |
| 2** | 2725.300        | 32.02            | -8.72       | 54.0           | -21.98          | AV       | 306.00         | 150         | Horizontal | Pass    |
| 3   | 4149.000        | 46.33            | -3.52       | 74.0           | -27.67          | Peak     | 191.00         | 150         | Horizontal | Pass    |
| 3** | 4149.000        | 37.03            | -3.52       | 54.0           | -16.97          | AV       | 191.00         | 150         | Horizontal | Pass    |
| 4   | 5499.000        | 97.04            | 0.52        | --             | -139.96         | Peak     | 237.00         | 150         | Horizontal | N/A     |
| 4** | 5499.000        | 90.72            | 0.52        | --             | 90.72           | AV       | 237.00         | 150         | Horizontal | N/A     |
| 5   | 12481.188       | 49.32            | 18.59       | 74.0           | -24.68          | Peak     | 171.00         | 150         | Horizontal | Pass    |
| 5** | 12481.188       | 37.14            | 18.59       | 54.0           | -16.86          | AV       | 171.00         | 150         | Horizontal | Pass    |
| 6   | 15496.800       | 53.00            | 23.92       | 74.0           | -21.00          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15496.800       | 42.69            | 23.92       | 54.0           | -11.31          | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, Band III, 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   | 1568.100        | 37.13            | -15.09      | 74.0           | -36.87          | Peak     | 214.00         | 150         | Vertical | Pass    |
| 1** | 1568.100        | 27.88            | -15.09      | 54.0           | -26.12          | AV       | 214.00         | 150         | Vertical | Pass    |
| 2   | 2815.100        | 40.93            | -8.34       | 74.0           | -33.07          | Peak     | 50.00          | 150         | Vertical | Pass    |
| 2** | 2815.100        | 32.40            | -8.34       | 54.0           | -21.60          | AV       | 50.00          | 150         | Vertical | Pass    |
| 3   | 4180.200        | 46.09            | -3.97       | 74.0           | -27.91          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4180.200        | 34.83            | -3.97       | 54.0           | -19.17          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5498.000        | 90.48            | 0.56        | --             | -119.52         | Peak     | 210.00         | 150         | Vertical | N/A     |
| 4** | 5498.000        | 83.62            | 0.56        | --             | 83.62           | AV       | 210.00         | 150         | Vertical | N/A     |
| 5   | 12384.588       | 49.55            | 19.35       | 74.0           | -24.45          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 5** | 12384.588       | 37.41            | 19.35       | 54.0           | -16.59          | AV       | 227.00         | 150         | Vertical | Pass    |
| 6   | 15739.088       | 54.12            | 23.48       | 74.0           | -19.88          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 6** | 15739.088       | 41.79            | 23.48       | 54.0           | -12.21          | AV       | 303.00         | 150         | Vertical | Pass    |

## 11ac20, Band III, 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   | 1510.300        | 37.56            | -15.11      | 74.0           | -36.44          | Peak     | 231.00         | 150         | Horizontal | Pass    |
| 1** | 1510.300        | 26.74            | -15.11      | 54.0           | -27.26          | AV       | 231.00         | 150         | Horizontal | Pass    |
| 2   | 2828.900        | 41.80            | -8.24       | 74.0           | -32.20          | Peak     | 160.00         | 150         | Horizontal | Pass    |
| 2** | 2828.900        | 33.28            | -8.24       | 54.0           | -20.72          | AV       | 160.00         | 150         | Horizontal | Pass    |
| 3   | 3990.200        | 46.28            | -4.39       | 74.0           | -27.72          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 3** | 3990.200        | 34.33            | -4.39       | 54.0           | -19.67          | AV       | 50.00          | 150         | Horizontal | Pass    |
| 4   | 5500.600        | 98.63            | 0.48        | --             | -149.37         | Peak     | 248.00         | 150         | Horizontal | N/A     |
| 4** | 5500.600        | 91.73            | 0.48        | --             | 91.73           | AV       | 248.00         | 150         | Horizontal | N/A     |
| 5   | 11685.100       | 48.25            | 20.00       | 74.0           | -25.75          | Peak     | 137.00         | 150         | Horizontal | Pass    |
| 5** | 11685.100       | 36.59            | 20.00       | 54.0           | -17.41          | AV       | 137.00         | 150         | Horizontal | Pass    |
| 6   | 15690.000       | 53.38            | 23.58       | 74.0           | -20.62          | Peak     | 327.00         | 150         | Horizontal | Pass    |
| 6** | 15690.000       | 42.13            | 23.58       | 54.0           | -11.87          | AV       | 327.00         | 150         | Horizontal | Pass    |

## 11ac20, Band III, 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   | 1535.100        | 35.93            | -15.02      | 74.0           | -38.07          | Peak     | 74.00          | 150         | Vertical | Pass    |
| 1** | 1535.100        | 26.89            | -15.02      | 54.0           | -27.11          | AV       | 74.00          | 150         | Vertical | Pass    |
| 2   | 2849.700        | 42.53            | -8.21       | 74.0           | -31.47          | Peak     | 324.00         | 150         | Vertical | Pass    |
| 2** | 2849.700        | 32.35            | -8.21       | 54.0           | -21.65          | AV       | 324.00         | 150         | Vertical | Pass    |
| 3   | 4161.000        | 46.70            | -3.48       | 74.0           | -27.30          | Peak     | 226.00         | 150         | Vertical | Pass    |
| 3** | 4161.000        | 34.89            | -3.48       | 54.0           | -19.11          | AV       | 226.00         | 150         | Vertical | Pass    |
| 4   | 5580.800        | 91.99            | 0.90        | --             | -134.01         | Peak     | 226.00         | 150         | Vertical | N/A     |
| 4** | 5580.800        | 86.70            | 0.90        | --             | 86.70           | AV       | 226.00         | 150         | Vertical | N/A     |
| 5   | 11676.763       | 48.85            | 20.10       | 74.0           | -25.15          | Peak     | 106.00         | 150         | Vertical | Pass    |
| 5** | 11676.763       | 38.76            | 20.10       | 54.0           | -15.24          | AV       | 106.00         | 150         | Vertical | Pass    |
| 6   | 15936.224       | 53.54            | 23.86       | 74.0           | -20.46          | Peak     | 303.00         | 150         | Vertical | Pass    |
| 6** | 15936.224       | 42.57            | 23.86       | 54.0           | -11.43          | AV       | 303.00         | 150         | Vertical | Pass    |

## 11ac20, Band III, 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   | 1468.900        | 36.82            | -14.81      | 74.0           | -37.18          | Peak     | 107.00         | 150         | Horizontal | Pass    |
| 1** | 1468.900        | 26.89            | -14.81      | 54.0           | -27.11          | AV       | 107.00         | 150         | Horizontal | Pass    |
| 2   | 2740.000        | 42.48            | -8.76       | 74.0           | -31.52          | Peak     | 284.00         | 150         | Horizontal | Pass    |
| 2** | 2740.000        | 33.04            | -8.76       | 54.0           | -20.96          | AV       | 284.00         | 150         | Horizontal | Pass    |
| 3   | 4078.400        | 46.68            | -4.03       | 74.0           | -27.32          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4078.400        | 34.39            | -4.03       | 54.0           | -19.61          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5700.800        | 98.69            | -0.82       | --             | -83.31          | Peak     | 182.00         | 150         | Horizontal | N/A     |
| 4** | 5700.800        | 92.88            | -0.82       | --             | 92.88           | AV       | 182.00         | 150         | Horizontal | N/A     |
| 5   | 11618.400       | 48.47            | 20.23       | 74.0           | -25.53          | Peak     | 25.00          | 150         | Horizontal | Pass    |
| 5** | 11618.400       | 37.14            | 20.23       | 54.0           | -16.86          | AV       | 25.00          | 150         | Horizontal | Pass    |
| 6   | 15659.813       | 53.82            | 23.46       | 74.0           | -20.18          | Peak     | 276.00         | 150         | Horizontal | Pass    |
| 6** | 15659.813       | 42.13            | 23.46       | 54.0           | -11.87          | AV       | 276.00         | 150         | Horizontal | Pass    |

## 11ac20, Band III, 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   | 1584.000        | 36.98            | -15.27      | 74.0           | -37.02          | Peak     | 167.00         | 150         | Vertical | Pass    |
| 1** | 1584.000        | 28.75            | -15.27      | 54.0           | -25.25          | AV       | 167.00         | 150         | Vertical | Pass    |
| 2   | 2867.200        | 42.86            | -8.09       | 74.0           | -31.14          | Peak     | 62.00          | 150         | Vertical | Pass    |
| 2** | 2867.200        | 33.61            | -8.09       | 54.0           | -20.39          | AV       | 62.00          | 150         | Vertical | Pass    |
| 3   | 4054.200        | 45.41            | -3.80       | 74.0           | -28.59          | Peak     | 130.00         | 150         | Vertical | Pass    |
| 3** | 4054.200        | 35.77            | -3.80       | 54.0           | -18.23          | AV       | 130.00         | 150         | Vertical | Pass    |
| 4   | 5701.200        | 90.43            | -0.81       | --             | -156.57         | Peak     | 247.00         | 150         | Vertical | N/A     |
| 4** | 5701.200        | 85.64            | -0.81       | --             | 85.64           | AV       | 247.00         | 150         | Vertical | N/A     |
| 5   | 11676.474       | 48.19            | 20.10       | 74.0           | -25.81          | Peak     | 246.00         | 150         | Vertical | Pass    |
| 5** | 11676.474       | 38.42            | 20.10       | 54.0           | -15.58          | AV       | 246.00         | 150         | Vertical | Pass    |
| 6   | 15827.550       | 53.95            | 23.34       | 74.0           | -20.05          | Peak     | 170.00         | 150         | Vertical | Pass    |
| 6** | 15827.550       | 41.81            | 23.34       | 54.0           | -12.19          | AV       | 170.00         | 150         | Vertical | Pass    |

## 11ac40, Band III, 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   | 1590.600        | 36.56            | -15.24      | 74.0           | -37.44          | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 1** | 1590.600        | 28.65            | -15.24      | 54.0           | -25.35          | AV       | 152.00         | 150         | Horizontal | Pass    |
| 2   | 2790.000        | 42.15            | -8.88       | 74.0           | -31.85          | Peak     | 260.00         | 150         | Horizontal | Pass    |
| 2** | 2790.000        | 31.71            | -8.88       | 54.0           | -22.29          | AV       | 260.00         | 150         | Horizontal | Pass    |
| 3   | 4128.200        | 47.05            | -4.02       | 74.0           | -26.95          | Peak     | 152.00         | 150         | Horizontal | Pass    |
| 3** | 4128.200        | 36.37            | -4.02       | 54.0           | -17.63          | AV       | 152.00         | 150         | Horizontal | Pass    |
| 4   | 5516.600        | 94.53            | 0.32        | --             | -111.47         | Peak     | 206.00         | 150         | Horizontal | N/A     |
| 4** | 5516.600        | 87.44            | 0.32        | --             | 87.44           | AV       | 206.00         | 150         | Horizontal | N/A     |
| 5   | 12098.237       | 49.21            | 19.39       | 74.0           | -24.79          | Peak     | 353.00         | 150         | Horizontal | Pass    |
| 5** | 12098.237       | 36.78            | 19.39       | 54.0           | -17.22          | AV       | 353.00         | 150         | Horizontal | Pass    |
| 6   | 15635.662       | 53.82            | 23.54       | 74.0           | -20.18          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 6** | 15635.662       | 42.87            | 23.54       | 54.0           | -11.13          | AV       | 33.00          | 150         | Horizontal | Pass    |

## 11ac40, Band III, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1575.000        | 36.48            | -15.27      | 74.0           | -37.52          | Peak     | 231.00         | 150         | Vertical | Pass    |
| 1** | 1575.000        | 27.61            | -15.27      | 54.0           | -26.39          | AV       | 231.00         | 150         | Vertical | Pass    |
| 2   | 2778.100        | 41.61            | -8.52       | 74.0           | -32.39          | Peak     | 20.00          | 150         | Vertical | Pass    |
| 2** | 2778.100        | 32.32            | -8.52       | 54.0           | -21.68          | AV       | 20.00          | 150         | Vertical | Pass    |
| 3   | 4297.600        | 47.02            | -3.59       | 74.0           | -26.98          | Peak     | 135.00         | 150         | Vertical | Pass    |
| 3** | 4297.600        | 34.50            | -3.59       | 54.0           | -19.50          | AV       | 135.00         | 150         | Vertical | Pass    |
| 4   | 5514.800        | 87.38            | 0.38        | --             | -133.62         | Peak     | 221.00         | 150         | Vertical | N/A     |
| 4** | 5514.800        | 80.77            | 0.38        | --             | 80.77           | AV       | 221.00         | 150         | Vertical | N/A     |
| 5   | 11077.613       | 48.54            | 18.88       | 74.0           | -25.46          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11077.613       | 35.86            | 18.88       | 54.0           | -18.14          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15929.400       | 54.28            | 23.77       | 74.0           | -19.72          | Peak     | 136.00         | 150         | Vertical | Pass    |
| 6** | 15929.400       | 41.41            | 23.77       | 54.0           | -12.59          | AV       | 136.00         | 150         | Vertical | Pass    |

## 11ac40, Band III, 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   | 1493.200        | 36.26            | -15.05      | 74.0           | -37.74          | Peak     | 262.00         | 150         | Horizontal | Pass    |
| 1** | 1493.200        | 26.61            | -15.05      | 54.0           | -27.39          | AV       | 262.00         | 150         | Horizontal | Pass    |
| 2   | 2770.400        | 41.58            | -8.50       | 74.0           | -32.42          | Peak     | 87.00          | 150         | Horizontal | Pass    |
| 2** | 2770.400        | 31.83            | -8.50       | 54.0           | -22.17          | AV       | 87.00          | 150         | Horizontal | Pass    |
| 3   | 4129.600        | 46.95            | -4.08       | 74.0           | -27.05          | Peak     | 354.00         | 150         | Horizontal | Pass    |
| 3** | 4129.600        | 33.59            | -4.08       | 54.0           | -20.41          | AV       | 354.00         | 150         | Horizontal | Pass    |
| 4   | 5592.600        | 94.89            | 0.44        | --             | -154.11         | Peak     | 249.00         | 150         | Horizontal | N/A     |
| 4** | 5592.600        | 89.41            | 0.44        | --             | 89.41           | AV       | 249.00         | 150         | Horizontal | N/A     |
| 5   | 11011.200       | 49.08            | 18.97       | 74.0           | -24.92          | Peak     | 295.00         | 150         | Horizontal | Pass    |
| 5** | 11011.200       | 37.46            | 18.97       | 54.0           | -16.54          | AV       | 295.00         | 150         | Horizontal | Pass    |
| 6   | 16067.474       | 54.50            | 24.10       | 74.0           | -19.50          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 6** | 16067.474       | 42.06            | 24.10       | 54.0           | -11.94          | AV       | 119.00         | 150         | Horizontal | Pass    |

## 11ac40, Band III, 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   | 1455.700        | 36.58            | -14.64      | 74.0           | -37.42          | Peak     | 235.00         | 150         | Vertical | Pass    |
| 1** | 1455.700        | 27.46            | -14.64      | 54.0           | -26.54          | AV       | 235.00         | 150         | Vertical | Pass    |
| 2   | 2862.300        | 43.38            | -8.03       | 74.0           | -30.62          | Peak     | 254.00         | 150         | Vertical | Pass    |
| 2** | 2862.300        | 32.40            | -8.03       | 54.0           | -21.60          | AV       | 254.00         | 150         | Vertical | Pass    |
| 3   | 4209.200        | 46.72            | -4.01       | 74.0           | -27.28          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4209.200        | 35.19            | -4.01       | 54.0           | -18.81          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5592.800        | 88.35            | 0.41        | --             | -132.65         | Peak     | 221.00         | 150         | Vertical | N/A     |
| 4** | 5592.800        | 81.97            | 0.41        | --             | 81.97           | AV       | 221.00         | 150         | Vertical | N/A     |
| 5   | 12283.388       | 49.17            | 20.19       | 74.0           | -24.83          | Peak     | 183.00         | 150         | Vertical | Pass    |
| 5** | 12283.388       | 36.95            | 20.19       | 54.0           | -17.05          | AV       | 183.00         | 150         | Vertical | Pass    |
| 6   | 15537.750       | 54.53            | 23.71       | 74.0           | -19.47          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15537.750       | 42.71            | 23.71       | 54.0           | -11.29          | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac40, Band III, 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   | 1574.800        | 36.34            | -15.27      | 74.0           | -37.66          | Peak     | 78.00          | 150         | Horizontal | Pass    |
| 1** | 1574.800        | 27.36            | -15.27      | 54.0           | -26.64          | AV       | 78.00          | 150         | Horizontal | Pass    |
| 2   | 2773.800        | 41.69            | -8.48       | 74.0           | -32.31          | Peak     | 210.00         | 150         | Horizontal | Pass    |
| 2** | 2773.800        | 32.10            | -8.48       | 54.0           | -21.90          | AV       | 210.00         | 150         | Horizontal | Pass    |
| 3   | 4242.600        | 46.76            | -3.31       | 74.0           | -27.24          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4242.600        | 34.84            | -3.31       | 54.0           | -19.16          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5674.200        | 94.68            | -0.09       | --             | -84.32          | Peak     | 179.00         | 150         | Horizontal | N/A     |
| 4** | 5674.200        | 88.35            | -0.09       | --             | 88.35           | AV       | 179.00         | 150         | Horizontal | N/A     |
| 5   | 12180.750       | 50.08            | 20.27       | 74.0           | -23.92          | Peak     | 192.00         | 150         | Horizontal | Pass    |
| 5** | 12180.750       | 37.66            | 20.27       | 54.0           | -16.34          | AV       | 192.00         | 150         | Horizontal | Pass    |
| 6   | 15787.912       | 54.29            | 23.17       | 74.0           | -19.71          | Peak     | 123.00         | 150         | Horizontal | Pass    |
| 6** | 15787.912       | 42.35            | 23.17       | 54.0           | -11.65          | AV       | 123.00         | 150         | Horizontal | Pass    |

## 11ac40, Band III, 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   | 1528.200        | 36.22            | -15.08      | 74.0           | -37.78          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 1** | 1528.200        | 26.35            | -15.08      | 54.0           | -27.65          | AV       | 338.00         | 150         | Vertical | Pass    |
| 2   | 2767.500        | 42.01            | -8.51       | 74.0           | -31.99          | Peak     | 81.00          | 150         | Vertical | Pass    |
| 2** | 2767.500        | 32.19            | -8.51       | 54.0           | -21.81          | AV       | 81.00          | 150         | Vertical | Pass    |
| 3   | 4062.200        | 46.89            | -3.93       | 74.0           | -27.11          | Peak     | 359.00         | 150         | Vertical | Pass    |
| 3** | 4062.200        | 34.01            | -3.93       | 54.0           | -19.99          | AV       | 359.00         | 150         | Vertical | Pass    |
| 4   | 5667.600        | 87.27            | 0.15        | --             | -149.73         | Peak     | 237.00         | 150         | Vertical | N/A     |
| 4** | 5667.600        | 82.07            | 0.15        | --             | 82.07           | AV       | 237.00         | 150         | Vertical | N/A     |
| 5   | 11660.088       | 48.62            | 20.27       | 74.0           | -25.38          | Peak     | 157.00         | 150         | Vertical | Pass    |
| 5** | 11660.088       | 37.15            | 20.27       | 54.0           | -16.85          | AV       | 157.00         | 150         | Vertical | Pass    |
| 6   | 15667.425       | 53.60            | 23.51       | 74.0           | -20.40          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15667.425       | 42.89            | 23.51       | 54.0           | -11.11          | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac80, Band III, 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   | 1464.800        | 36.82            | -14.79      | 74.0           | -37.18          | Peak     | 288.00         | 150         | Horizontal | Pass    |
| 1** | 1464.800        | 27.42            | -14.79      | 54.0           | -26.58          | AV       | 288.00         | 150         | Horizontal | Pass    |
| 2   | 2767.400        | 41.97            | -8.50       | 74.0           | -32.03          | Peak     | 25.00          | 150         | Horizontal | Pass    |
| 2** | 2767.400        | 31.68            | -8.50       | 54.0           | -22.32          | AV       | 25.00          | 150         | Horizontal | Pass    |
| 3   | 4152.400        | 46.43            | -3.51       | 74.0           | -27.57          | Peak     | 23.00          | 150         | Horizontal | Pass    |
| 3** | 4152.400        | 35.10            | -3.51       | 54.0           | -18.90          | AV       | 23.00          | 150         | Horizontal | Pass    |
| 4   | 5523.200        | 91.03            | 0.19        | --             | -91.97          | Peak     | 183.00         | 150         | Horizontal | N/A     |
| 4** | 5523.200        | 83.87            | 0.19        | --             | 83.87           | AV       | 183.00         | 150         | Horizontal | N/A     |
| 5   | 11784.575       | 48.66            | 18.67       | 74.0           | -25.34          | Peak     | 234.00         | 150         | Horizontal | Pass    |
| 5** | 11784.575       | 37.03            | 18.67       | 54.0           | -16.97          | AV       | 234.00         | 150         | Horizontal | Pass    |
| 6   | 15662.175       | 53.82            | 23.47       | 74.0           | -20.18          | Peak     | 11.00          | 150         | Horizontal | Pass    |
| 6** | 15662.175       | 41.94            | 23.47       | 54.0           | -12.06          | AV       | 11.00          | 150         | Horizontal | Pass    |

## 11ac80, Band III, 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   | 1523.700        | 36.86            | -15.02      | 74.0           | -37.14          | Peak     | 118.00         | 150         | Vertical | Pass    |
| 1** | 1523.700        | 27.98            | -15.02      | 54.0           | -26.02          | AV       | 118.00         | 150         | Vertical | Pass    |
| 2   | 2725.100        | 41.97            | -8.71       | 74.0           | -32.03          | Peak     | 36.00          | 150         | Vertical | Pass    |
| 2** | 2725.100        | 32.01            | -8.71       | 54.0           | -21.99          | AV       | 36.00          | 150         | Vertical | Pass    |
| 3   | 4301.200        | 46.76            | -3.52       | 74.0           | -27.24          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4301.200        | 34.84            | -3.52       | 54.0           | -19.16          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5540.400        | 84.48            | 0.23        | --             | -138.52         | Peak     | 223.00         | 150         | Vertical | N/A     |
| 4** | 5540.400        | 77.46            | 0.23        | --             | 77.46           | AV       | 223.00         | 150         | Vertical | N/A     |
| 5   | 11635.651       | 48.91            | 20.34       | 74.0           | -25.09          | Peak     | 99.00          | 150         | Vertical | Pass    |
| 5** | 11635.651       | 36.75            | 20.34       | 54.0           | -17.25          | AV       | 99.00          | 150         | Vertical | Pass    |
| 6   | 15534.862       | 54.10            | 23.72       | 74.0           | -19.90          | Peak     | 50.00          | 150         | Vertical | Pass    |
| 6** | 15534.862       | 43.22            | 23.72       | 54.0           | -10.78          | AV       | 50.00          | 150         | Vertical | Pass    |

## 11ac80, Band III, 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   | 1371.500        | 36.56            | -14.82      | 74.0           | -37.44          | Peak     | 338.00         | 150         | Horizontal | Pass    |
| 1** | 1371.500        | 27.49            | -14.82      | 54.0           | -26.51          | AV       | 338.00         | 150         | Horizontal | Pass    |
| 2   | 2752.700        | 41.77            | -8.98       | 74.0           | -32.23          | Peak     | 326.00         | 150         | Horizontal | Pass    |
| 2** | 2752.700        | 32.76            | -8.98       | 54.0           | -21.24          | AV       | 326.00         | 150         | Horizontal | Pass    |
| 3   | 4143.800        | 45.86            | -3.92       | 74.0           | -28.14          | Peak     | 94.00          | 150         | Horizontal | Pass    |
| 3** | 4143.800        | 34.72            | -3.92       | 54.0           | -19.28          | AV       | 94.00          | 150         | Horizontal | Pass    |
| 4   | 5603.000        | 92.08            | -0.08       | --             | -166.92         | Peak     | 259.00         | 150         | Horizontal | N/A     |
| 4** | 5603.000        | 84.71            | -0.08       | --             | 84.71           | AV       | 259.00         | 150         | Horizontal | N/A     |
| 5   | 12423.975       | 50.43            | 18.90       | 74.0           | -23.57          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12423.975       | 37.58            | 18.90       | 54.0           | -16.42          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15493.650       | 53.83            | 23.87       | 74.0           | -20.17          | Peak     | 296.00         | 150         | Horizontal | Pass    |
| 6** | 15493.650       | 42.20            | 23.87       | 54.0           | -11.80          | AV       | 296.00         | 150         | Horizontal | Pass    |

## 11ac80, Band III, 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   | 1516.200        | 35.99            | -15.08      | 74.0           | -38.01          | Peak     | 101.00         | 150         | Vertical | Pass    |
| 1** | 1516.200        | 27.27            | -15.08      | 54.0           | -26.73          | AV       | 101.00         | 150         | Vertical | Pass    |
| 2   | 2845.800        | 42.10            | -8.40       | 74.0           | -31.90          | Peak     | 314.00         | 150         | Vertical | Pass    |
| 2** | 2845.800        | 32.07            | -8.40       | 54.0           | -21.93          | AV       | 314.00         | 150         | Vertical | Pass    |
| 3   | 4253.600        | 46.95            | -3.11       | 74.0           | -27.05          | Peak     | 104.00         | 150         | Vertical | Pass    |
| 3** | 4253.600        | 35.40            | -3.11       | 54.0           | -18.60          | AV       | 104.00         | 150         | Vertical | Pass    |
| 4   | 5617.000        | 84.91            | -0.22       | --             | -147.09         | Peak     | 232.00         | 150         | Vertical | N/A     |
| 4** | 5617.000        | 77.49            | -0.22       | --             | 77.49           | AV       | 232.00         | 150         | Vertical | N/A     |
| 5   | 11824.538       | 48.73            | 18.35       | 74.0           | -25.27          | Peak     | 244.00         | 150         | Vertical | Pass    |
| 5** | 11824.538       | 36.53            | 18.35       | 54.0           | -17.47          | AV       | 244.00         | 150         | Vertical | Pass    |
| 6   | 15930.188       | 54.20            | 23.78       | 74.0           | -19.80          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 6** | 15930.188       | 42.53            | 23.78       | 54.0           | -11.47          | AV       | 186.00         | 150         | Vertical | Pass    |

## 11a, Band IV, 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   | 1479.400        | 36.39            | -15.04      | 74.0           | -37.61          | Peak     | 262.00         | 150         | Horizontal | Pass    |
| 1** | 1479.400        | 26.84            | -15.04      | 54.0           | -27.16          | AV       | 262.00         | 150         | Horizontal | Pass    |
| 2   | 2839.400        | 42.36            | -8.49       | 74.0           | -31.64          | Peak     | 21.00          | 150         | Horizontal | Pass    |
| 2** | 2839.400        | 31.60            | -8.49       | 54.0           | -22.40          | AV       | 21.00          | 150         | Horizontal | Pass    |
| 3   | 4153.800        | 46.86            | -3.57       | 74.0           | -27.14          | Peak     | 215.00         | 150         | Horizontal | Pass    |
| 3** | 4153.800        | 35.60            | -3.57       | 54.0           | -18.40          | AV       | 215.00         | 150         | Horizontal | Pass    |
| 4   | 5742.800        | 100.69           | 0.09        | --             | -58.31          | Peak     | 159.00         | 150         | Horizontal | N/A     |
| 4** | 5742.800        | 94.34            | 0.09        | --             | 94.34           | AV       | 159.00         | 150         | Horizontal | N/A     |
| 5   | 11670.725       | 49.22            | 20.16       | 74.0           | -24.78          | Peak     | 207.00         | 150         | Horizontal | Pass    |
| 5** | 11670.725       | 38.68            | 20.16       | 54.0           | -15.32          | AV       | 207.00         | 150         | Horizontal | Pass    |
| 6   | 15684.750       | 55.80            | 23.59       | 74.0           | -18.20          | Peak     | 266.00         | 150         | Horizontal | Pass    |
| 6** | 15684.750       | 44.62            | 23.59       | 54.0           | -9.38           | AV       | 266.00         | 150         | Horizontal | Pass    |

## 11a, Band IV, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1557.100        | 36.80            | -14.99      | 74.0           | -37.20          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1557.100        | 28.93            | -14.99      | 54.0           | -25.07          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2836.800        | 42.03            | -8.47       | 74.0           | -31.97          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2836.800        | 31.85            | -8.47       | 54.0           | -22.15          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4216.000        | 46.53            | -3.96       | 74.0           | -27.47          | Peak     | 43.00          | 150         | Vertical | Pass    |
| 3** | 4216.000        | 35.64            | -3.96       | 54.0           | -18.36          | AV       | 43.00          | 150         | Vertical | Pass    |
| 4   | 5746.000        | 92.11            | 0.40        | --             | -148.89         | Peak     | 241.00         | 150         | Vertical | N/A     |
| 4** | 5746.000        | 86.92            | 0.40        | --             | 86.92           | AV       | 241.00         | 150         | Vertical | N/A     |
| 5   | 11908.487       | 49.16            | 18.07       | 74.0           | -24.84          | Peak     | 69.00          | 150         | Vertical | Pass    |
| 5** | 11908.487       | 38.91            | 18.07       | 54.0           | -15.09          | AV       | 69.00          | 150         | Vertical | Pass    |
| 6   | 15613.088       | 54.89            | 23.48       | 74.0           | -19.11          | Peak     | 245.00         | 150         | Vertical | Pass    |
| 6** | 15613.088       | 42.91            | 23.48       | 54.0           | -11.09          | AV       | 245.00         | 150         | Vertical | Pass    |

## 11a, Band IV, 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   | 1606.100        | 37.34            | -15.36      | 74.0           | -36.66          | Peak     | 275.00         | 150         | Horizontal | Pass    |
| 1** | 1606.100        | 27.99            | -15.36      | 54.0           | -26.01          | AV       | 275.00         | 150         | Horizontal | Pass    |
| 2   | 2727.600        | 41.80            | -8.76       | 74.0           | -32.20          | Peak     | 301.00         | 150         | Horizontal | Pass    |
| 2** | 2727.600        | 33.71            | -8.76       | 54.0           | -20.29          | AV       | 301.00         | 150         | Horizontal | Pass    |
| 3   | 4218.200        | 47.22            | -3.75       | 74.0           | -26.78          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 3** | 4218.200        | 35.25            | -3.75       | 54.0           | -18.75          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 4   | 5785.800        | 102.16           | 0.77        | --             | -103.84         | Peak     | 206.00         | 150         | Horizontal | N/A     |
| 4** | 5785.800        | 95.12            | 0.77        | --             | 95.12           | AV       | 206.00         | 150         | Horizontal | N/A     |
| 5   | 12276.487       | 49.99            | 20.26       | 74.0           | -24.01          | Peak     | 316.00         | 150         | Horizontal | Pass    |
| 5** | 12276.487       | 38.84            | 20.26       | 54.0           | -15.16          | AV       | 316.00         | 150         | Horizontal | Pass    |
| 6   | 15984.787       | 55.12            | 24.01       | 74.0           | -18.88          | Peak     | 149.00         | 150         | Horizontal | Pass    |
| 6** | 15984.787       | 43.14            | 24.01       | 54.0           | -10.86          | AV       | 149.00         | 150         | Horizontal | Pass    |

## 11a, Band IV, 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   | 1518.700        | 36.46            | -14.99      | 74.0           | -37.54          | Peak     | 59.00          | 150         | Vertical | Pass    |
| 1** | 1518.700        | 27.47            | -14.99      | 54.0           | -26.53          | AV       | 59.00          | 150         | Vertical | Pass    |
| 2   | 2815.200        | 41.86            | -8.34       | 74.0           | -32.14          | Peak     | 27.00          | 150         | Vertical | Pass    |
| 2** | 2815.200        | 32.13            | -8.34       | 54.0           | -21.87          | AV       | 27.00          | 150         | Vertical | Pass    |
| 3   | 4117.800        | 46.22            | -4.16       | 74.0           | -27.78          | Peak     | 234.00         | 150         | Vertical | Pass    |
| 3** | 4117.800        | 36.38            | -4.16       | 54.0           | -17.62          | AV       | 234.00         | 150         | Vertical | Pass    |
| 4   | 5786.400        | 93.24            | 0.77        | --             | -123.76         | Peak     | 217.00         | 150         | Vertical | N/A     |
| 4** | 5786.400        | 87.00            | 0.77        | --             | 87.00           | AV       | 217.00         | 150         | Vertical | N/A     |
| 5   | 12154.875       | 49.71            | 19.98       | 74.0           | -24.29          | Peak     | 88.00          | 150         | Vertical | Pass    |
| 5** | 12154.875       | 37.90            | 19.98       | 54.0           | -16.10          | AV       | 88.00          | 150         | Vertical | Pass    |
| 6   | 15545.099       | 55.00            | 23.65       | 74.0           | -19.00          | Peak     | 160.00         | 150         | Vertical | Pass    |
| 6** | 15545.099       | 44.07            | 23.65       | 54.0           | -9.93           | AV       | 160.00         | 150         | Vertical | Pass    |

## 11a, Band IV, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1523.100        | 36.79            | -15.02      | 74.0           | -37.21          | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 1** | 1523.100        | 26.76            | -15.02      | 54.0           | -27.24          | AV       | 166.00         | 150         | Horizontal | Pass    |
| 2   | 2802.300        | 41.47            | -8.74       | 74.0           | -32.53          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2802.300        | 31.71            | -8.74       | 54.0           | -22.29          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4303.200        | 47.22            | -3.65       | 74.0           | -26.78          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 3** | 4303.200        | 35.39            | -3.65       | 54.0           | -18.61          | AV       | 333.00         | 150         | Horizontal | Pass    |
| 4   | 5825.000        | 103.11           | 0.79        | --             | -64.89          | Peak     | 168.00         | 150         | Horizontal | N/A     |
| 4** | 5825.000        | 95.89            | 0.79        | --             | 95.89           | AV       | 168.00         | 150         | Horizontal | N/A     |
| 5   | 12148.838       | 50.16            | 19.91       | 74.0           | -23.84          | Peak     | 18.00          | 150         | Horizontal | Pass    |
| 5** | 12148.838       | 38.36            | 19.91       | 54.0           | -15.64          | AV       | 18.00          | 150         | Horizontal | Pass    |
| 6   | 15636.450       | 55.15            | 23.54       | 74.0           | -18.85          | Peak     | 93.00          | 150         | Horizontal | Pass    |
| 6** | 15636.450       | 43.39            | 23.54       | 54.0           | -10.61          | AV       | 93.00          | 150         | Horizontal | Pass    |

## 11a, Band IV, 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   | 1559.300        | 36.72            | -15.05      | 74.0           | -37.28          | Peak     | 331.00         | 150         | Vertical | Pass    |
| 1** | 1559.300        | 27.75            | -15.05      | 54.0           | -26.25          | AV       | 331.00         | 150         | Vertical | Pass    |
| 2   | 2776.500        | 42.18            | -8.56       | 74.0           | -31.82          | Peak     | 69.00          | 150         | Vertical | Pass    |
| 2** | 2776.500        | 33.23            | -8.56       | 54.0           | -20.77          | AV       | 69.00          | 150         | Vertical | Pass    |
| 3   | 4237.000        | 46.81            | -3.34       | 74.0           | -27.19          | Peak     | 38.00          | 150         | Vertical | Pass    |
| 3** | 4237.000        | 35.78            | -3.34       | 54.0           | -18.22          | AV       | 38.00          | 150         | Vertical | Pass    |
| 4   | 5827.000        | 94.33            | 0.81        | --             | -119.67         | Peak     | 214.00         | 150         | Vertical | N/A     |
| 4** | 5827.000        | 88.06            | 0.81        | --             | 88.06           | AV       | 214.00         | 150         | Vertical | N/A     |
| 5   | 11511.737       | 50.20            | 19.33       | 74.0           | -23.80          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 11511.737       | 36.77            | 19.33       | 54.0           | -17.23          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15873.750       | 54.33            | 23.35       | 74.0           | -19.67          | Peak     | 332.00         | 150         | Vertical | Pass    |
| 6** | 15873.750       | 42.44            | 23.35       | 54.0           | -11.56          | AV       | 332.00         | 150         | Vertical | Pass    |

## 11n20, Band IV, 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   | 1590.100        | 37.07            | -15.19      | 74.0           | -36.93          | Peak     | 207.00         | 150         | Horizontal | Pass    |
| 1** | 1590.100        | 27.57            | -15.19      | 54.0           | -26.43          | AV       | 207.00         | 150         | Horizontal | Pass    |
| 2   | 2828.300        | 43.12            | -8.25       | 74.0           | -30.88          | Peak     | 337.00         | 150         | Horizontal | Pass    |
| 2** | 2828.300        | 32.20            | -8.25       | 54.0           | -21.80          | AV       | 337.00         | 150         | Horizontal | Pass    |
| 3   | 4113.000        | 46.82            | -4.17       | 74.0           | -27.18          | Peak     | 260.00         | 150         | Horizontal | Pass    |
| 3** | 4113.000        | 35.10            | -4.17       | 54.0           | -18.90          | AV       | 260.00         | 150         | Horizontal | Pass    |
| 4   | 5745.000        | 101.50           | 0.28        | --             | -103.50         | Peak     | 205.00         | 150         | Horizontal | N/A     |
| 4** | 5745.000        | 93.93            | 0.28        | --             | 93.93           | AV       | 205.00         | 150         | Horizontal | N/A     |
| 5   | 11703.213       | 49.44            | 19.76       | 74.0           | -24.56          | Peak     | 31.00          | 150         | Horizontal | Pass    |
| 5** | 11703.213       | 37.57            | 19.76       | 54.0           | -16.43          | AV       | 31.00          | 150         | Horizontal | Pass    |
| 6   | 15542.475       | 54.65            | 23.68       | 74.0           | -19.35          | Peak     | 57.00          | 150         | Horizontal | Pass    |
| 6** | 15542.475       | 43.63            | 23.68       | 54.0           | -10.37          | AV       | 57.00          | 150         | Horizontal | Pass    |

## 11n20, Band IV, 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   | 1509.900        | 37.62            | -15.13      | 74.0           | -36.38          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 1** | 1509.900        | 27.94            | -15.13      | 54.0           | -26.06          | AV       | 200.00         | 150         | Vertical | Pass    |
| 2   | 2847.800        | 42.31            | -8.27       | 74.0           | -31.69          | Peak     | 151.00         | 150         | Vertical | Pass    |
| 2** | 2847.800        | 33.61            | -8.27       | 54.0           | -20.39          | AV       | 151.00         | 150         | Vertical | Pass    |
| 3   | 4006.000        | 46.64            | -4.60       | 74.0           | -27.36          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4006.000        | 34.07            | -4.60       | 54.0           | -19.93          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5743.800        | 92.02            | 0.15        | --             | -139.98         | Peak     | 232.00         | 150         | Vertical | N/A     |
| 4** | 5743.800        | 86.84            | 0.15        | --             | 86.84           | AV       | 232.00         | 150         | Vertical | N/A     |
| 5   | 12139.924       | 49.42            | 19.85       | 74.0           | -24.58          | Peak     | 22.00          | 150         | Vertical | Pass    |
| 5** | 12139.924       | 37.46            | 19.85       | 54.0           | -16.54          | AV       | 22.00          | 150         | Vertical | Pass    |
| 6   | 15664.800       | 54.49            | 23.49       | 74.0           | -19.51          | Peak     | 138.00         | 150         | Vertical | Pass    |
| 6** | 15664.800       | 42.13            | 23.49       | 54.0           | -11.87          | AV       | 138.00         | 150         | Vertical | Pass    |

## 11n20, Band IV, 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   | 1335.300        | 38.07            | -14.82      | 74.0           | -35.93          | Peak     | 114.00         | 150         | Horizontal | Pass    |
| 1** | 1335.300        | 27.73            | -14.82      | 54.0           | -26.27          | AV       | 114.00         | 150         | Horizontal | Pass    |
| 2   | 2835.900        | 41.87            | -8.47       | 74.0           | -32.13          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 2** | 2835.900        | 32.51            | -8.47       | 54.0           | -21.49          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 3   | 4206.200        | 47.03            | -4.03       | 74.0           | -26.97          | Peak     | 73.00          | 150         | Horizontal | Pass    |
| 3** | 4206.200        | 35.10            | -4.03       | 54.0           | -18.90          | AV       | 73.00          | 150         | Horizontal | Pass    |
| 4   | 5783.400        | 101.30           | 0.88        | --             | -80.70          | Peak     | 182.00         | 150         | Horizontal | N/A     |
| 4** | 5783.400        | 94.86            | 0.88        | --             | 94.86           | AV       | 182.00         | 150         | Horizontal | N/A     |
| 5   | 12015.150       | 49.59            | 18.71       | 74.0           | -24.41          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 12015.150       | 37.02            | 18.71       | 54.0           | -16.98          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15967.200       | 55.52            | 24.00       | 74.0           | -18.48          | Peak     | 201.00         | 150         | Horizontal | Pass    |
| 6** | 15967.200       | 43.67            | 24.00       | 54.0           | -10.33          | AV       | 201.00         | 150         | Horizontal | Pass    |

## 11n20, Band IV, 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   | 1468.600        | 36.93            | -14.80      | 74.0           | -37.07          | Peak     | 123.00         | 150         | Vertical | Pass    |
| 1** | 1468.600        | 27.92            | -14.80      | 54.0           | -26.08          | AV       | 123.00         | 150         | Vertical | Pass    |
| 2   | 2780.000        | 41.61            | -8.54       | 74.0           | -32.39          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 2** | 2780.000        | 33.40            | -8.54       | 54.0           | -20.60          | AV       | 186.00         | 150         | Vertical | Pass    |
| 3   | 4155.000        | 47.26            | -3.57       | 74.0           | -26.74          | Peak     | 227.00         | 150         | Vertical | Pass    |
| 3** | 4155.000        | 35.03            | -3.57       | 54.0           | -18.97          | AV       | 227.00         | 150         | Vertical | Pass    |
| 4   | 5786.200        | 93.22            | 0.77        | --             | -105.78         | Peak     | 199.00         | 150         | Vertical | N/A     |
| 4** | 5786.200        | 87.07            | 0.77        | --             | 87.07           | AV       | 199.00         | 150         | Vertical | N/A     |
| 5   | 11776.525       | 49.84            | 18.73       | 74.0           | -24.16          | Peak     | 254.00         | 150         | Vertical | Pass    |
| 5** | 11776.525       | 36.71            | 18.73       | 54.0           | -17.29          | AV       | 254.00         | 150         | Vertical | Pass    |
| 6   | 15642.488       | 54.69            | 23.55       | 74.0           | -19.31          | Peak     | 223.00         | 150         | Vertical | Pass    |
| 6** | 15642.488       | 43.54            | 23.55       | 54.0           | -10.46          | AV       | 223.00         | 150         | Vertical | Pass    |

## 11n20, Band IV, 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   | 1513.600        | 36.79            | -15.08      | 74.0           | -37.21          | Peak     | 136.00         | 150         | Horizontal | Pass    |
| 1** | 1513.600        | 28.21            | -15.08      | 54.0           | -25.79          | AV       | 136.00         | 150         | Horizontal | Pass    |
| 2   | 2870.700        | 42.32            | -8.19       | 74.0           | -31.68          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 2** | 2870.700        | 33.17            | -8.19       | 54.0           | -20.83          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 3   | 4085.800        | 46.59            | -4.22       | 74.0           | -27.41          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 3** | 4085.800        | 34.80            | -4.22       | 54.0           | -19.20          | AV       | 79.00          | 150         | Horizontal | Pass    |
| 4   | 5823.600        | 102.50           | 0.84        | --             | -78.50          | Peak     | 181.00         | 150         | Horizontal | N/A     |
| 4** | 5823.600        | 95.60            | 0.84        | --             | 95.60           | AV       | 181.00         | 150         | Horizontal | N/A     |
| 5   | 12377.400       | 49.76            | 19.43       | 74.0           | -24.24          | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 5** | 12377.400       | 38.28            | 19.43       | 54.0           | -15.72          | AV       | 61.00          | 150         | Horizontal | Pass    |
| 6   | 15691.575       | 54.51            | 23.58       | 74.0           | -19.49          | Peak     | 33.00          | 150         | Horizontal | Pass    |
| 6** | 15691.575       | 43.01            | 23.58       | 54.0           | -10.99          | AV       | 33.00          | 150         | Horizontal | Pass    |

## 11n20, Band IV, 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   | 1520.400        | 36.75            | -15.01      | 74.0           | -37.25          | Peak     | 323.00         | 150         | Vertical | Pass    |
| 1** | 1520.400        | 27.39            | -15.01      | 54.0           | -26.61          | AV       | 323.00         | 150         | Vertical | Pass    |
| 2   | 2881.800        | 42.88            | -8.30       | 74.0           | -31.12          | Peak     | 244.00         | 150         | Vertical | Pass    |
| 2** | 2881.800        | 33.73            | -8.30       | 54.0           | -20.27          | AV       | 244.00         | 150         | Vertical | Pass    |
| 3   | 4249.200        | 47.04            | -3.18       | 74.0           | -26.96          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 3** | 4249.200        | 36.80            | -3.18       | 54.0           | -17.20          | AV       | 207.00         | 150         | Vertical | Pass    |
| 4   | 5827.000        | 93.88            | 0.81        | --             | -113.12         | Peak     | 207.00         | 150         | Vertical | N/A     |
| 4** | 5827.000        | 87.70            | 0.81        | --             | 87.70           | AV       | 207.00         | 150         | Vertical | N/A     |
| 5   | 11002.575       | 50.00            | 19.01       | 74.0           | -24.00          | Peak     | 14.00          | 150         | Vertical | Pass    |
| 5** | 11002.575       | 37.55            | 19.01       | 54.0           | -16.45          | AV       | 14.00          | 150         | Vertical | Pass    |
| 6   | 15497.850       | 55.24            | 23.93       | 74.0           | -18.76          | Peak     | 358.00         | 150         | Vertical | Pass    |
| 6** | 15497.850       | 44.23            | 23.93       | 54.0           | -9.77           | AV       | 358.00         | 150         | Vertical | Pass    |

## 11n40, Band IV, 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   | 1487.300        | 36.98            | -15.21      | 74.0           | -37.02          | Peak     | 100.00         | 150         | Horizontal | Pass    |
| 1** | 1487.300        | 26.74            | -15.21      | 54.0           | -27.26          | AV       | 100.00         | 150         | Horizontal | Pass    |
| 2   | 2722.200        | 42.22            | -8.66       | 74.0           | -31.78          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 2722.200        | 33.58            | -8.66       | 54.0           | -20.42          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 4245.800        | 47.46            | -3.28       | 74.0           | -26.54          | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 3** | 4245.800        | 37.18            | -3.28       | 54.0           | -16.82          | AV       | 268.00         | 150         | Horizontal | Pass    |
| 4   | 5753.200        | 97.64            | 0.49        | --             | -93.36          | Peak     | 191.00         | 150         | Horizontal | N/A     |
| 4** | 5753.200        | 90.92            | 0.49        | --             | 90.92           | AV       | 191.00         | 150         | Horizontal | N/A     |
| 5   | 11624.724       | 49.57            | 20.27       | 74.0           | -24.43          | Peak     | 50.00          | 150         | Horizontal | Pass    |
| 5** | 11624.724       | 37.92            | 20.27       | 54.0           | -16.08          | AV       | 50.00          | 150         | Horizontal | Pass    |
| 6   | 15956.700       | 55.65            | 23.98       | 74.0           | -18.35          | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 6** | 15956.700       | 43.23            | 23.98       | 54.0           | -10.77          | AV       | 268.00         | 150         | Horizontal | Pass    |

## 11n40, Band IV, 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   | 1551.400        | 36.33            | -14.97      | 74.0           | -37.67          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 1** | 1551.400        | 27.59            | -14.97      | 54.0           | -26.41          | AV       | 210.00         | 150         | Vertical | Pass    |
| 2   | 2866.300        | 42.57            | -8.06       | 74.0           | -31.43          | Peak     | 290.00         | 150         | Vertical | Pass    |
| 2** | 2866.300        | 34.10            | -8.06       | 54.0           | -19.90          | AV       | 290.00         | 150         | Vertical | Pass    |
| 3   | 4017.800        | 46.56            | -4.08       | 74.0           | -27.44          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 3** | 4017.800        | 35.61            | -4.08       | 54.0           | -18.39          | AV       | 287.00         | 150         | Vertical | Pass    |
| 4   | 5753.000        | 88.68            | 0.50        | --             | -116.32         | Peak     | 205.00         | 150         | Vertical | N/A     |
| 4** | 5753.000        | 83.07            | 0.50        | --             | 83.07           | AV       | 205.00         | 150         | Vertical | N/A     |
| 5   | 11682.224       | 49.98            | 20.04       | 74.0           | -24.02          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 5** | 11682.224       | 37.88            | 20.04       | 54.0           | -16.12          | AV       | 200.00         | 150         | Vertical | Pass    |
| 6   | 15620.175       | 56.25            | 23.45       | 74.0           | -17.75          | Peak     | 314.00         | 150         | Vertical | Pass    |
| 6** | 15620.175       | 44.55            | 23.45       | 54.0           | -9.45           | AV       | 314.00         | 150         | Vertical | Pass    |

## 11n40, Band IV, 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   | 1342.100        | 36.60            | -14.68      | 74.0           | -37.40          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1342.100        | 27.75            | -14.68      | 54.0           | -26.25          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2824.300        | 41.45            | -8.29       | 74.0           | -32.55          | Peak     | 268.00         | 150         | Horizontal | Pass    |
| 2** | 2824.300        | 32.60            | -8.29       | 54.0           | -21.40          | AV       | 268.00         | 150         | Horizontal | Pass    |
| 3   | 3972.800        | 46.68            | -4.19       | 74.0           | -27.32          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 3972.800        | 35.33            | -4.19       | 54.0           | -18.67          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5791.600        | 98.73            | 0.98        | --             | -69.27          | Peak     | 168.00         | 150         | Horizontal | N/A     |
| 4** | 5791.600        | 91.46            | 0.98        | --             | 91.46           | AV       | 168.00         | 150         | Horizontal | N/A     |
| 5   | 11615.526       | 49.52            | 20.21       | 74.0           | -24.48          | Peak     | 326.00         | 150         | Horizontal | Pass    |
| 5** | 11615.526       | 39.12            | 20.21       | 54.0           | -14.88          | AV       | 326.00         | 150         | Horizontal | Pass    |
| 6   | 15665.849       | 54.26            | 23.50       | 74.0           | -19.74          | Peak     | 228.00         | 150         | Horizontal | Pass    |
| 6** | 15665.849       | 43.28            | 23.50       | 54.0           | -10.72          | AV       | 228.00         | 150         | Horizontal | Pass    |

## 11n40, Band IV, 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   | 1378.700        | 36.28            | -14.91      | 74.0           | -37.72          | Peak     | 103.00         | 150         | Vertical | Pass    |
| 1** | 1378.700        | 27.33            | -14.91      | 54.0           | -26.67          | AV       | 103.00         | 150         | Vertical | Pass    |
| 2   | 2746.100        | 42.40            | -8.85       | 74.0           | -31.60          | Peak     | 219.00         | 150         | Vertical | Pass    |
| 2** | 2746.100        | 32.86            | -8.85       | 54.0           | -21.14          | AV       | 219.00         | 150         | Vertical | Pass    |
| 3   | 4022.400        | 46.55            | -4.05       | 74.0           | -27.45          | Peak     | 120.00         | 150         | Vertical | Pass    |
| 3** | 4022.400        | 34.85            | -4.05       | 54.0           | -19.15          | AV       | 120.00         | 150         | Vertical | Pass    |
| 4   | 5800.800        | 89.62            | 0.88        | --             | -105.38         | Peak     | 195.00         | 150         | Vertical | N/A     |
| 4** | 5800.800        | 82.62            | 0.88        | --             | 82.62           | AV       | 195.00         | 150         | Vertical | N/A     |
| 5   | 11635.075       | 50.00            | 20.33       | 74.0           | -24.00          | Peak     | 70.00          | 150         | Vertical | Pass    |
| 5** | 11635.075       | 39.18            | 20.33       | 54.0           | -14.82          | AV       | 70.00          | 150         | Vertical | Pass    |
| 6   | 15530.925       | 55.19            | 23.74       | 74.0           | -18.81          | Peak     | 299.00         | 150         | Vertical | Pass    |
| 6** | 15530.925       | 43.61            | 23.74       | 54.0           | -10.39          | AV       | 299.00         | 150         | Vertical | Pass    |

## 11ac20, Band IV, 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   | 1518.800        | 37.34            | -14.99      | 74.0           | -36.66          | Peak     | 203.00         | 150         | Horizontal | Pass    |
| 1** | 1518.800        | 26.94            | -14.99      | 54.0           | -27.06          | AV       | 203.00         | 150         | Horizontal | Pass    |
| 2   | 2746.000        | 42.52            | -8.85       | 74.0           | -31.48          | Peak     | 106.00         | 150         | Horizontal | Pass    |
| 2** | 2746.000        | 33.20            | -8.85       | 54.0           | -20.80          | AV       | 106.00         | 150         | Horizontal | Pass    |
| 3   | 4227.000        | 47.07            | -3.61       | 74.0           | -26.93          | Peak     | 198.00         | 150         | Horizontal | Pass    |
| 3** | 4227.000        | 35.68            | -3.61       | 54.0           | -18.32          | AV       | 198.00         | 150         | Horizontal | Pass    |
| 4   | 5744.200        | 99.87            | 0.19        | --             | -78.13          | Peak     | 178.00         | 150         | Horizontal | N/A     |
| 4** | 5744.200        | 93.47            | 0.19        | --             | 93.47           | AV       | 178.00         | 150         | Horizontal | N/A     |
| 5   | 11565.787       | 50.00            | 19.81       | 74.0           | -24.00          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 5** | 11565.787       | 37.83            | 19.81       | 54.0           | -16.17          | AV       | 76.00          | 150         | Horizontal | Pass    |
| 6   | 15959.326       | 55.15            | 23.99       | 74.0           | -18.85          | Peak     | 92.00          | 150         | Horizontal | Pass    |
| 6** | 15959.326       | 42.78            | 23.99       | 54.0           | -11.22          | AV       | 92.00          | 150         | Horizontal | Pass    |

## 11ac20, Band IV, 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   | 1533.500        | 36.49            | -15.02      | 74.0           | -37.51          | Peak     | 246.00         | 150         | Vertical | Pass    |
| 1** | 1533.500        | 28.42            | -15.02      | 54.0           | -25.58          | AV       | 246.00         | 150         | Vertical | Pass    |
| 2   | 2814.200        | 41.96            | -8.34       | 74.0           | -32.04          | Peak     | 184.00         | 150         | Vertical | Pass    |
| 2** | 2814.200        | 33.09            | -8.34       | 54.0           | -20.91          | AV       | 184.00         | 150         | Vertical | Pass    |
| 3   | 4152.600        | 46.50            | -3.52       | 74.0           | -27.50          | Peak     | 357.00         | 150         | Vertical | Pass    |
| 3** | 4152.600        | 36.13            | -3.52       | 54.0           | -17.87          | AV       | 357.00         | 150         | Vertical | Pass    |
| 4   | 5744.800        | 92.00            | 0.26        | --             | -133.00         | Peak     | 225.00         | 150         | Vertical | N/A     |
| 4** | 5744.800        | 84.56            | 0.26        | --             | 84.56           | AV       | 225.00         | 150         | Vertical | N/A     |
| 5   | 11635.937       | 50.02            | 20.34       | 74.0           | -23.98          | Peak     | 189.00         | 150         | Vertical | Pass    |
| 5** | 11635.937       | 37.62            | 20.34       | 54.0           | -16.38          | AV       | 189.00         | 150         | Vertical | Pass    |
| 6   | 15421.200       | 55.49            | 23.16       | 74.0           | -18.51          | Peak     | 57.00          | 150         | Vertical | Pass    |
| 6** | 15421.200       | 41.95            | 23.16       | 54.0           | -12.05          | AV       | 57.00          | 150         | Vertical | Pass    |

## 11ac20, Band IV, 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   | 1459.300        | 37.42            | -14.70      | 74.0           | -36.58          | Peak     | 83.00          | 150         | Horizontal | Pass    |
| 1** | 1459.300        | 28.38            | -14.70      | 54.0           | -25.62          | AV       | 83.00          | 150         | Horizontal | Pass    |
| 2   | 2776.600        | 41.81            | -8.55       | 74.0           | -32.19          | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 2** | 2776.600        | 32.25            | -8.55       | 54.0           | -21.75          | AV       | 55.00          | 150         | Horizontal | Pass    |
| 3   | 4199.400        | 46.91            | -4.06       | 74.0           | -27.09          | Peak     | 355.00         | 150         | Horizontal | Pass    |
| 3** | 4199.400        | 35.88            | -4.06       | 54.0           | -18.12          | AV       | 355.00         | 150         | Horizontal | Pass    |
| 4   | 5787.400        | 100.66           | 0.88        | --             | -88.34          | Peak     | 189.00         | 150         | Horizontal | N/A     |
| 4** | 5787.400        | 93.53            | 0.88        | --             | 93.53           | AV       | 189.00         | 150         | Horizontal | N/A     |
| 5   | 11608.912       | 50.21            | 20.18       | 74.0           | -23.79          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11608.912       | 38.40            | 20.18       | 54.0           | -15.60          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15793.950       | 54.74            | 23.16       | 74.0           | -19.26          | Peak     | 211.00         | 150         | Horizontal | Pass    |
| 6** | 15793.950       | 42.55            | 23.16       | 54.0           | -11.45          | AV       | 211.00         | 150         | Horizontal | Pass    |

## 11ac20, Band IV, 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   | 1601.500        | 37.62            | -15.22      | 74.0           | -36.38          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 1** | 1601.500        | 28.61            | -15.22      | 54.0           | -25.39          | AV       | 142.00         | 150         | Vertical | Pass    |
| 2   | 2780.800        | 41.67            | -8.62       | 74.0           | -32.33          | Peak     | 67.00          | 150         | Vertical | Pass    |
| 2** | 2780.800        | 32.55            | -8.62       | 54.0           | -21.45          | AV       | 67.00          | 150         | Vertical | Pass    |
| 3   | 4174.400        | 46.65            | -3.94       | 74.0           | -27.35          | Peak     | 55.00          | 150         | Vertical | Pass    |
| 3** | 4174.400        | 36.83            | -3.94       | 54.0           | -17.17          | AV       | 55.00          | 150         | Vertical | Pass    |
| 4   | 5783.800        | 91.36            | 0.83        | --             | -133.64         | Peak     | 225.00         | 150         | Vertical | N/A     |
| 4** | 5783.800        | 84.87            | 0.83        | --             | 84.87           | AV       | 225.00         | 150         | Vertical | N/A     |
| 5   | 12335.713       | 49.92            | 19.81       | 74.0           | -24.08          | Peak     | 260.00         | 150         | Vertical | Pass    |
| 5** | 12335.713       | 38.73            | 19.81       | 54.0           | -15.27          | AV       | 260.00         | 150         | Vertical | Pass    |
| 6   | 15532.500       | 54.32            | 23.73       | 74.0           | -19.68          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15532.500       | 44.37            | 23.73       | 54.0           | -9.63           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band IV, 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   | 1497.500        | 37.03            | -15.19      | 74.0           | -36.97          | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 1** | 1497.500        | 26.74            | -15.19      | 54.0           | -27.26          | AV       | 246.00         | 150         | Horizontal | Pass    |
| 2   | 2838.100        | 42.58            | -8.47       | 74.0           | -31.42          | Peak     | 348.00         | 150         | Horizontal | Pass    |
| 2** | 2838.100        | 32.26            | -8.47       | 54.0           | -21.74          | AV       | 348.00         | 150         | Horizontal | Pass    |
| 3   | 4065.200        | 47.42            | -3.89       | 74.0           | -26.58          | Peak     | 18.00          | 150         | Horizontal | Pass    |
| 3** | 4065.200        | 35.29            | -3.89       | 54.0           | -18.71          | AV       | 18.00          | 150         | Horizontal | Pass    |
| 4   | 5824.800        | 102.79           | 0.78        | --             | -84.21          | Peak     | 187.00         | 150         | Horizontal | N/A     |
| 4** | 5824.800        | 94.32            | 0.78        | --             | 94.32           | AV       | 187.00         | 150         | Horizontal | N/A     |
| 5   | 12337.724       | 50.28            | 19.80       | 74.0           | -23.72          | Peak     | 100.00         | 150         | Horizontal | Pass    |
| 5** | 12337.724       | 38.31            | 19.80       | 54.0           | -15.69          | AV       | 100.00         | 150         | Horizontal | Pass    |
| 6   | 15586.575       | 54.27            | 23.57       | 74.0           | -19.73          | Peak     | 117.00         | 150         | Horizontal | Pass    |
| 6** | 15586.575       | 43.26            | 23.57       | 54.0           | -10.74          | AV       | 117.00         | 150         | Horizontal | Pass    |

## 11ac20, Band IV, 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   | 1466.000        | 36.94            | -14.83      | 74.0           | -37.06          | Peak     | 95.00          | 150         | Vertical | Pass    |
| 1** | 1466.000        | 27.43            | -14.83      | 54.0           | -26.57          | AV       | 95.00          | 150         | Vertical | Pass    |
| 2   | 2731.600        | 42.02            | -8.69       | 74.0           | -31.98          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2731.600        | 32.81            | -8.69       | 54.0           | -21.19          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4026.800        | 46.44            | -3.84       | 74.0           | -27.56          | Peak     | 283.00         | 150         | Vertical | Pass    |
| 3** | 4026.800        | 36.42            | -3.84       | 54.0           | -17.58          | AV       | 283.00         | 150         | Vertical | Pass    |
| 4   | 5821.600        | 93.59            | 0.90        | --             | -114.41         | Peak     | 208.00         | 150         | Vertical | N/A     |
| 4** | 5821.600        | 87.08            | 0.90        | --             | 87.08           | AV       | 208.00         | 150         | Vertical | N/A     |
| 5   | 11614.950       | 49.80            | 20.21       | 74.0           | -24.20          | Peak     | 274.00         | 150         | Vertical | Pass    |
| 5** | 11614.950       | 37.70            | 20.21       | 54.0           | -16.30          | AV       | 274.00         | 150         | Vertical | Pass    |
| 6   | 15938.326       | 54.79            | 23.88       | 74.0           | -19.21          | Peak     | 193.00         | 150         | Vertical | Pass    |
| 6** | 15938.326       | 42.32            | 23.88       | 54.0           | -11.68          | AV       | 193.00         | 150         | Vertical | Pass    |

## 11ac40, Band IV, 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   | 1544.500        | 36.57            | -14.85      | 74.0           | -37.43          | Peak     | 272.00         | 150         | Horizontal | Pass    |
| 1** | 1544.500        | 27.36            | -14.85      | 54.0           | -26.64          | AV       | 272.00         | 150         | Horizontal | Pass    |
| 2   | 2779.100        | 42.91            | -8.51       | 74.0           | -31.09          | Peak     | 34.00          | 150         | Horizontal | Pass    |
| 2** | 2779.100        | 33.49            | -8.51       | 54.0           | -20.51          | AV       | 34.00          | 150         | Horizontal | Pass    |
| 3   | 4304.800        | 47.85            | -3.44       | 74.0           | -26.15          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4304.800        | 35.41            | -3.44       | 54.0           | -18.59          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5756.600        | 95.47            | 0.61        | --             | -172.53         | Peak     | 268.00         | 150         | Horizontal | N/A     |
| 4** | 5756.600        | 88.79            | 0.61        | --             | 88.79           | AV       | 268.00         | 150         | Horizontal | N/A     |
| 5   | 12320.763       | 50.07            | 19.92       | 74.0           | -23.93          | Peak     | 140.00         | 150         | Horizontal | Pass    |
| 5** | 12320.763       | 37.29            | 19.92       | 54.0           | -16.71          | AV       | 140.00         | 150         | Horizontal | Pass    |
| 6   | 15506.775       | 54.88            | 23.90       | 74.0           | -19.12          | Peak     | 21.00          | 150         | Horizontal | Pass    |
| 6** | 15506.775       | 43.30            | 23.90       | 54.0           | -10.70          | AV       | 21.00          | 150         | Horizontal | Pass    |

## 11ac40, Band IV, 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   | 1587.800        | 36.95            | -15.27      | 74.0           | -37.05          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 1** | 1587.800        | 29.12            | -15.27      | 54.0           | -24.88          | AV       | 111.00         | 150         | Vertical | Pass    |
| 2   | 2750.200        | 42.72            | -9.02       | 74.0           | -31.28          | Peak     | 70.00          | 150         | Vertical | Pass    |
| 2** | 2750.200        | 32.15            | -9.02       | 54.0           | -21.85          | AV       | 70.00          | 150         | Vertical | Pass    |
| 3   | 4125.400        | 47.20            | -3.97       | 74.0           | -26.80          | Peak     | 85.00          | 150         | Vertical | Pass    |
| 3** | 4125.400        | 35.20            | -3.97       | 54.0           | -18.80          | AV       | 85.00          | 150         | Vertical | Pass    |
| 4   | 5756.600        | 86.89            | 0.61        | --             | -152.11         | Peak     | 239.00         | 150         | Vertical | N/A     |
| 4** | 5756.600        | 81.82            | 0.61        | --             | 81.82           | AV       | 239.00         | 150         | Vertical | N/A     |
| 5   | 11641.975       | 49.43            | 20.37       | 74.0           | -24.57          | Peak     | 96.00          | 150         | Vertical | Pass    |
| 5** | 11641.975       | 37.94            | 20.37       | 54.0           | -16.06          | AV       | 96.00          | 150         | Vertical | Pass    |
| 6   | 15931.237       | 54.44            | 23.79       | 74.0           | -19.56          | Peak     | 296.00         | 150         | Vertical | Pass    |
| 6** | 15931.237       | 43.86            | 23.79       | 54.0           | -10.14          | AV       | 296.00         | 150         | Vertical | Pass    |

## 11ac40, Band IV, 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   | 1485.800        | 37.07            | -15.15      | 74.0           | -36.93          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1485.800        | 26.94            | -15.15      | 54.0           | -27.06          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2799.000        | 42.52            | -8.82       | 74.0           | -31.48          | Peak     | 317.00         | 150         | Horizontal | Pass    |
| 2** | 2799.000        | 31.87            | -8.82       | 54.0           | -22.13          | AV       | 317.00         | 150         | Horizontal | Pass    |
| 3   | 4266.200        | 47.57            | -3.24       | 74.0           | -26.43          | Peak     | 195.00         | 150         | Horizontal | Pass    |
| 3** | 4266.200        | 35.96            | -3.24       | 54.0           | -18.04          | AV       | 195.00         | 150         | Horizontal | Pass    |
| 4   | 5791.600        | 96.05            | 0.98        | --             | -98.95          | Peak     | 195.00         | 150         | Horizontal | N/A     |
| 4** | 5791.600        | 88.89            | 0.98        | --             | 88.89           | AV       | 195.00         | 150         | Horizontal | N/A     |
| 5   | 11611.500       | 50.06            | 20.19       | 74.0           | -23.94          | Peak     | 169.00         | 150         | Horizontal | Pass    |
| 5** | 11611.500       | 38.25            | 20.19       | 54.0           | -15.75          | AV       | 169.00         | 150         | Horizontal | Pass    |
| 6   | 15809.438       | 54.36            | 23.21       | 74.0           | -19.64          | Peak     | 171.00         | 150         | Horizontal | Pass    |
| 6** | 15809.438       | 41.94            | 23.21       | 54.0           | -12.06          | AV       | 171.00         | 150         | Horizontal | Pass    |

## 11ac40, Band IV, 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   | 1501.300        | 36.91            | -15.14      | 74.0           | -37.09          | Peak     | 9.00           | 150         | Vertical | Pass    |
| 1** | 1501.300        | 26.96            | -15.14      | 54.0           | -27.04          | AV       | 9.00           | 150         | Vertical | Pass    |
| 2   | 2780.600        | 42.01            | -8.60       | 74.0           | -31.99          | Peak     | 189.00         | 150         | Vertical | Pass    |
| 2** | 2780.600        | 33.78            | -8.60       | 54.0           | -20.22          | AV       | 189.00         | 150         | Vertical | Pass    |
| 3   | 4120.400        | 47.03            | -4.22       | 74.0           | -26.97          | Peak     | 156.00         | 150         | Vertical | Pass    |
| 3** | 4120.400        | 36.05            | -4.22       | 54.0           | -17.95          | AV       | 156.00         | 150         | Vertical | Pass    |
| 4   | 5798.600        | 88.02            | 0.85        | --             | -118.98         | Peak     | 207.00         | 150         | Vertical | N/A     |
| 4** | 5798.600        | 80.67            | 0.85        | --             | 80.67           | AV       | 207.00         | 150         | Vertical | N/A     |
| 5   | 12193.401       | 49.78            | 20.38       | 74.0           | -24.22          | Peak     | 191.00         | 150         | Vertical | Pass    |
| 5** | 12193.401       | 38.14            | 20.38       | 54.0           | -15.86          | AV       | 191.00         | 150         | Vertical | Pass    |
| 6   | 15582.638       | 55.53            | 23.57       | 74.0           | -18.47          | Peak     | 189.00         | 150         | Vertical | Pass    |
| 6** | 15582.638       | 42.70            | 23.57       | 54.0           | -11.30          | AV       | 189.00         | 150         | Vertical | Pass    |

## 11ac80, Band IV, 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   | 1583.900        | 36.53            | -15.27      | 74.0           | -37.47          | Peak     | 307.00         | 150         | Horizontal | Pass    |
| 1** | 1583.900        | 27.47            | -15.27      | 54.0           | -26.53          | AV       | 307.00         | 150         | Horizontal | Pass    |
| 2   | 2766.000        | 42.23            | -8.58       | 74.0           | -31.77          | Peak     | 161.00         | 150         | Horizontal | Pass    |
| 2** | 2766.000        | 31.36            | -8.58       | 54.0           | -22.64          | AV       | 161.00         | 150         | Horizontal | Pass    |
| 3   | 4039.400        | 48.65            | -4.00       | 74.0           | -25.35          | Peak     | 29.00          | 150         | Horizontal | Pass    |
| 3** | 4039.400        | 35.65            | -4.00       | 54.0           | -18.35          | AV       | 29.00          | 150         | Horizontal | Pass    |
| 4   | 5788.400        | 92.54            | 0.99        | --             | -104.46         | Peak     | 197.00         | 150         | Horizontal | N/A     |
| 4** | 5788.400        | 84.76            | 0.99        | --             | 84.76           | AV       | 197.00         | 150         | Horizontal | N/A     |
| 5   | 12353.537       | 49.82            | 19.68       | 74.0           | -24.18          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 5** | 12353.537       | 38.71            | 19.68       | 54.0           | -15.29          | AV       | 267.00         | 150         | Horizontal | Pass    |
| 6   | 15797.100       | 54.89            | 23.15       | 74.0           | -19.11          | Peak     | 289.00         | 150         | Horizontal | Pass    |
| 6** | 15797.100       | 43.91            | 23.15       | 54.0           | -10.09          | AV       | 289.00         | 150         | Horizontal | Pass    |

## 11ac80, Band IV, 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   | 1580.100        | 37.13            | -15.22      | 74.0           | -36.87          | Peak     | 117.00         | 150         | Vertical | Pass    |
| 1** | 1580.100        | 27.34            | -15.22      | 54.0           | -26.66          | AV       | 117.00         | 150         | Vertical | Pass    |
| 2   | 2817.600        | 41.69            | -8.28       | 74.0           | -32.31          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2817.600        | 32.60            | -8.28       | 54.0           | -21.40          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4074.000        | 46.54            | -4.09       | 74.0           | -27.46          | Peak     | 305.00         | 150         | Vertical | Pass    |
| 3** | 4074.000        | 35.29            | -4.09       | 54.0           | -18.71          | AV       | 305.00         | 150         | Vertical | Pass    |
| 4   | 5788.200        | 84.14            | 0.97        | --             | -120.86         | Peak     | 205.00         | 150         | Vertical | N/A     |
| 4** | 5788.200        | 75.92            | 0.97        | --             | 75.92           | AV       | 205.00         | 150         | Vertical | N/A     |
| 5   | 11752.950       | 50.02            | 18.92       | 74.0           | -23.98          | Peak     | 181.00         | 150         | Vertical | Pass    |
| 5** | 11752.950       | 37.72            | 18.92       | 54.0           | -16.28          | AV       | 181.00         | 150         | Vertical | Pass    |
| 6   | 15946.200       | 55.07            | 23.93       | 74.0           | -18.93          | Peak     | 261.00         | 150         | Vertical | Pass    |
| 6** | 15946.200       | 43.69            | 23.93       | 54.0           | -10.31          | AV       | 261.00         | 150         | Vertical | Pass    |

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

| Test Band | Mode            | Channel | Verdict |
|-----------|-----------------|---------|---------|
| Band I    | 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    |
| Band II   | 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    |
| Band III  | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT40) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT80) | Low     | Pass    |
|           |                 | High    | Pass    |
| Band IV   | 802.11a         | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT20)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11n(HT40)   | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT20) | Low     | Pass    |
|           |                 | High    | Pass    |
|           | 802.11ac(VHT40) | Low     | Pass    |
|           |                 | High    | Pass    |

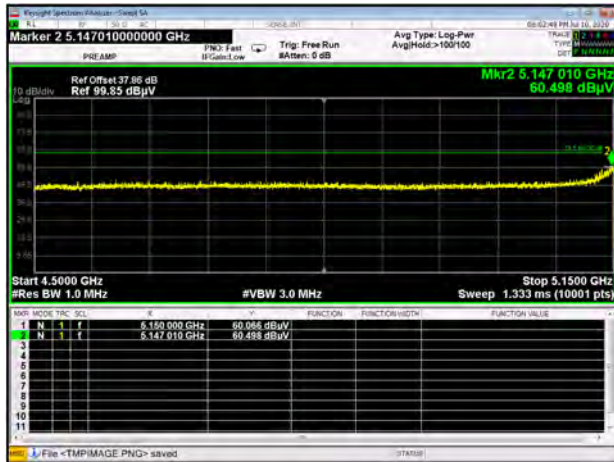
802.11ac(VHT80)

Middle

Pass

## Test Plots

Band I 11a CH36 Peak



Band I 11a CH48 Peak



Band I 11a CH36 AV



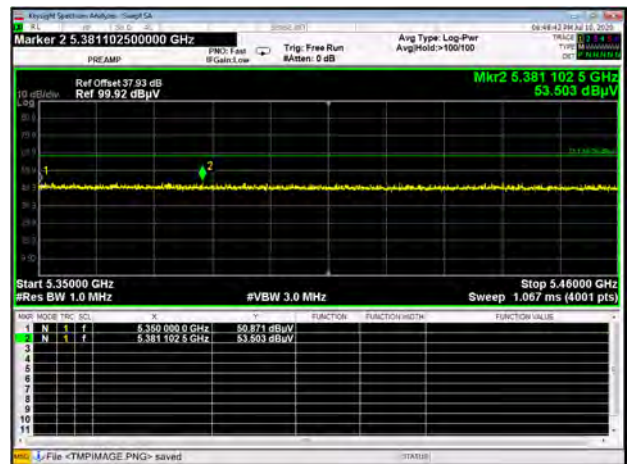
Band I 11a CH36 AV



Band I 11n20 CH36 Peak



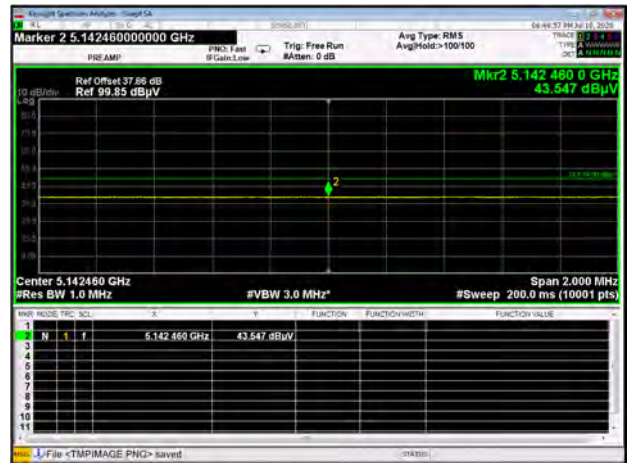
Band I 11n20 CH48 Peak



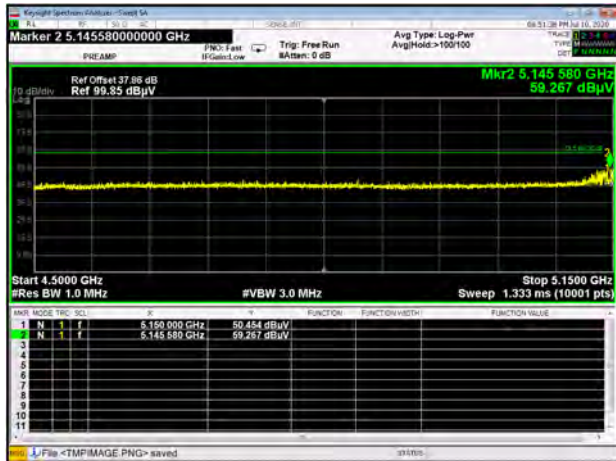
Band I 11n20 CH36 AV



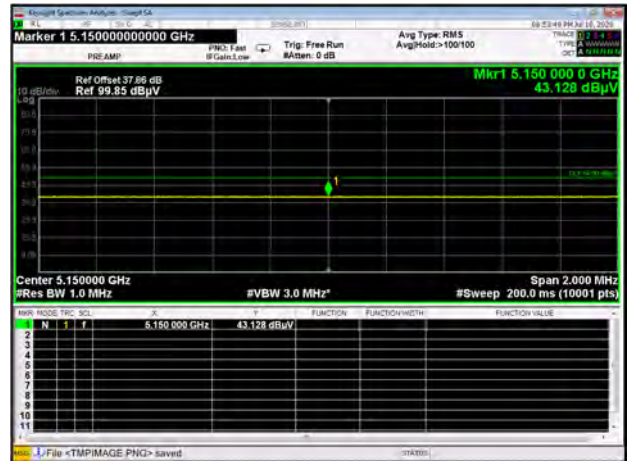
Band I 11n20 CH36 AV



Band I 11n40 CH38 Peak



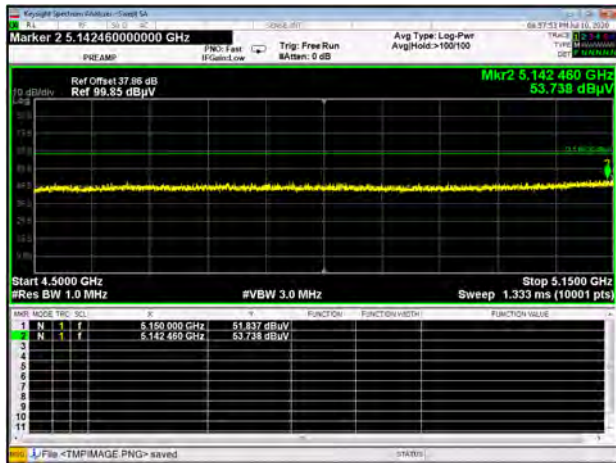
Band I 11n40 CH38 AV



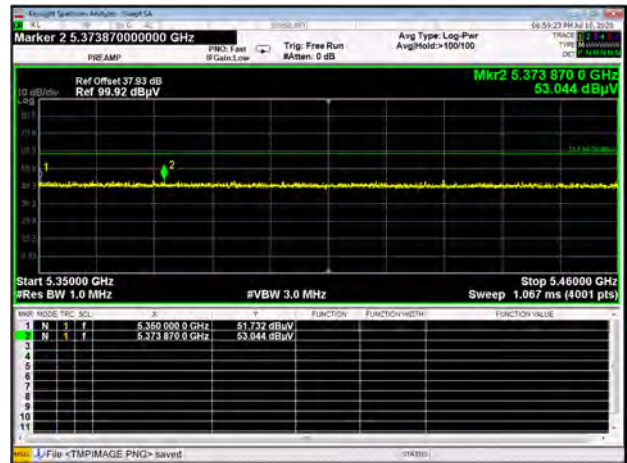
Band I 11n40 CH46 Peak



Band I 11ac20 CH36 Peak



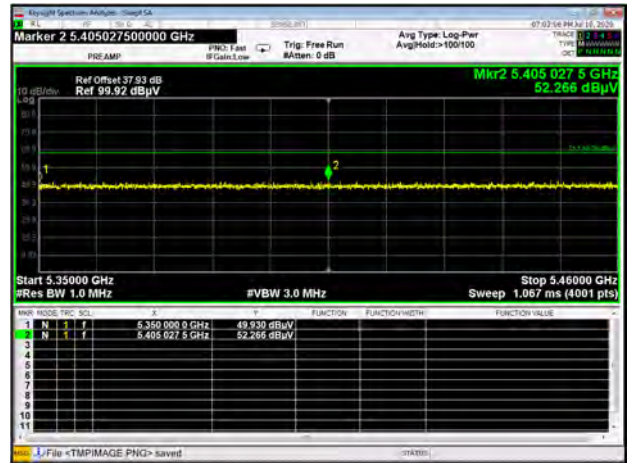
Band I 11ac20 CH48 Peak



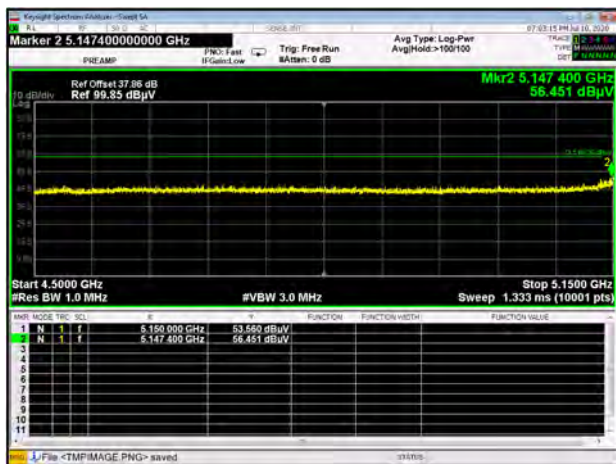
Band I 11ac40 CH38 Peak



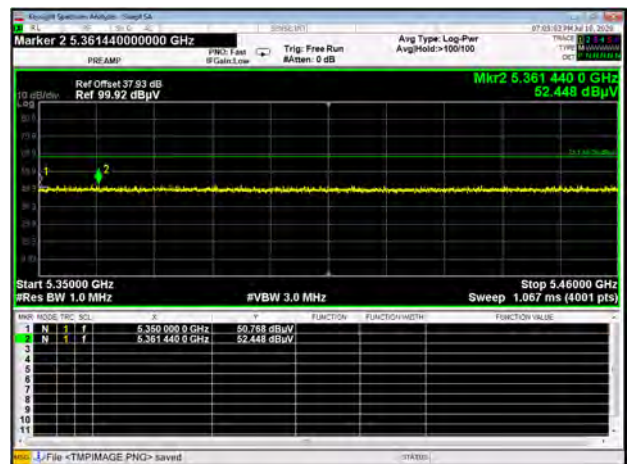
Band I 11ac40 CH46 Peak



Band I 11ac80 CH42 Peak



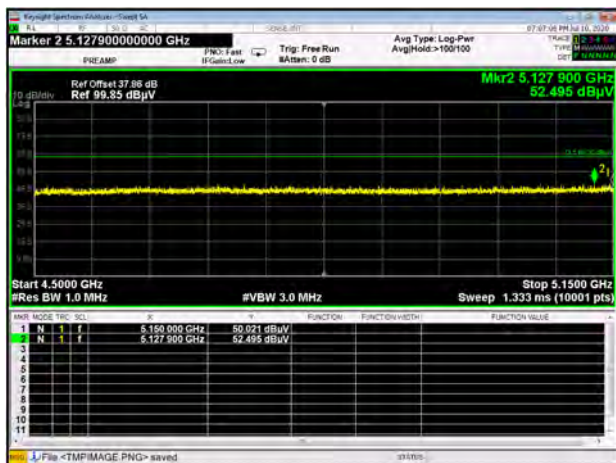
Band I 11ac80 CH42 Peak



### Band I 11ac80 CH42 AV



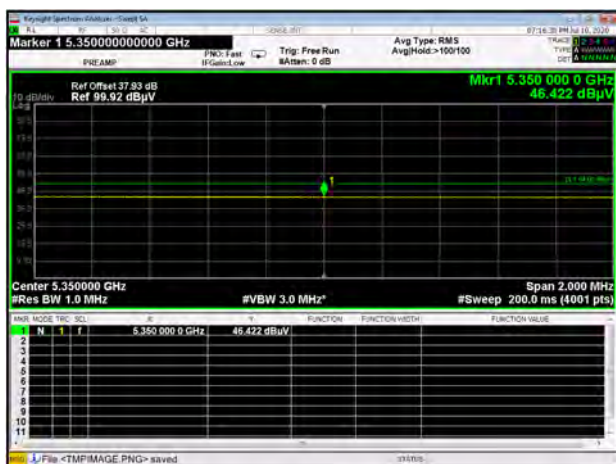
### Band II 11a CH52 Peak



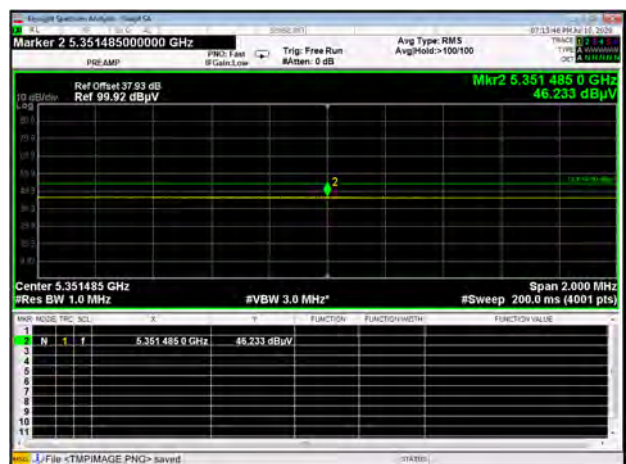
### Band II 11a CH64 Peak



### Band II 11a CH64 AV



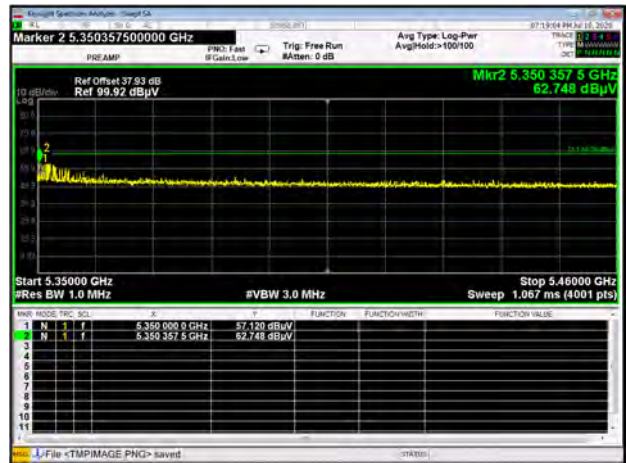
### Band II 11a CH64 AV



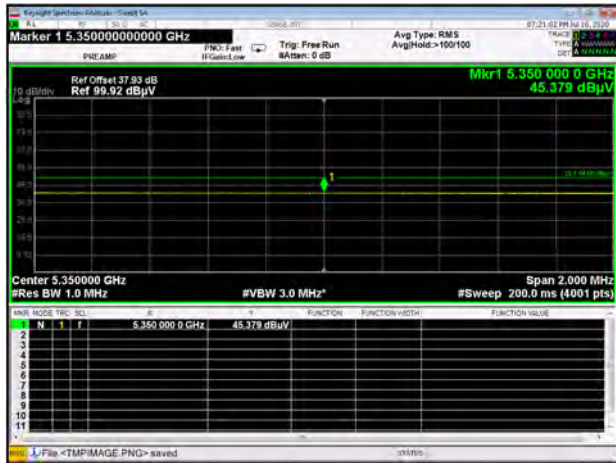
Band II 11n20 CH52 Peak



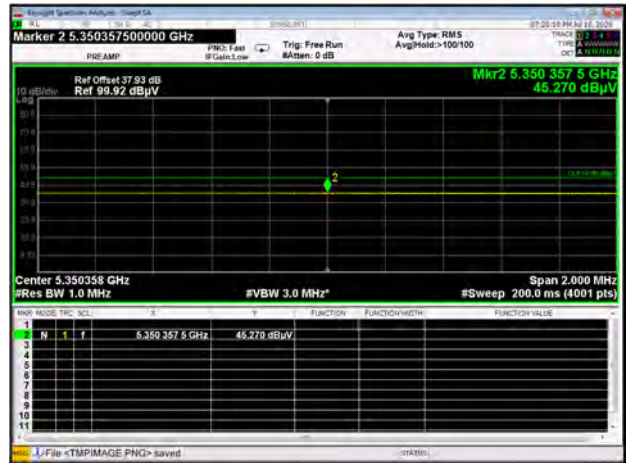
Band II 11n20 CH64 Peak



Band II 11n20 CH64 AV



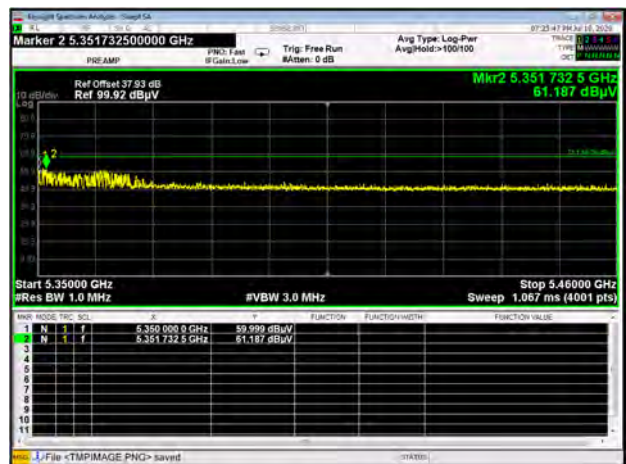
Band II 11n20 CH64 AV



Band II 11n40 CH54 Peak



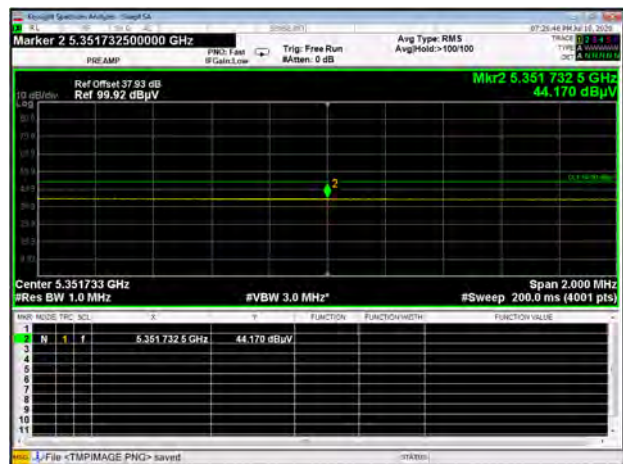
Band II 11n40 CH62 Peak



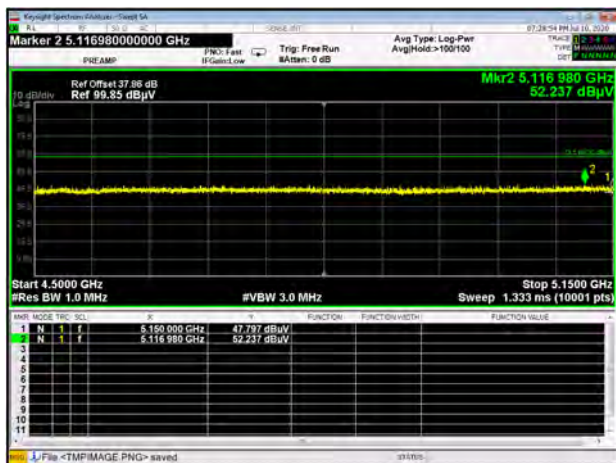
Band II 11n40 CH62 AV



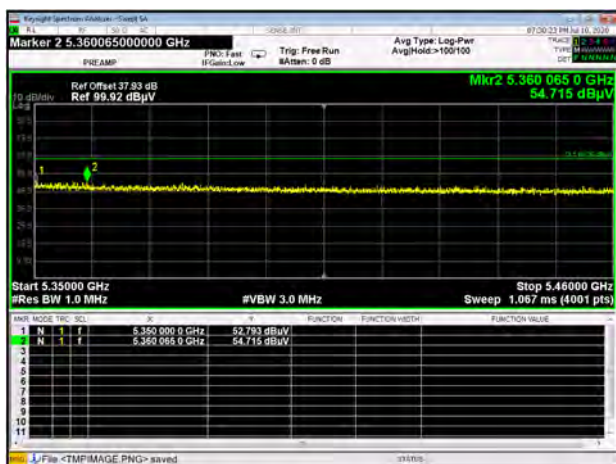
Band II 11n40 CH62 AV



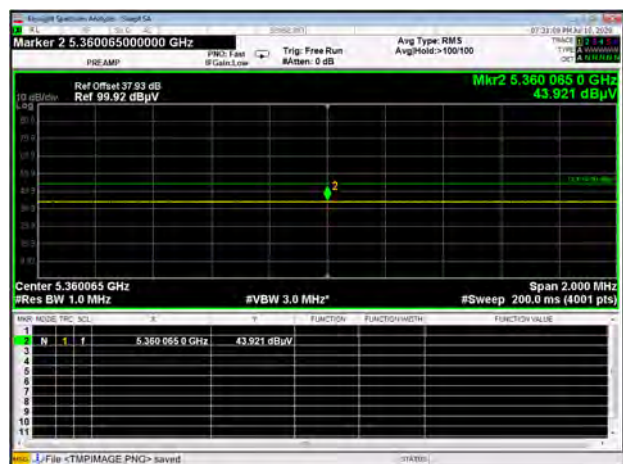
Band II 11ac20 CH52 Peak



Band II 11ac20 CH64 Peak



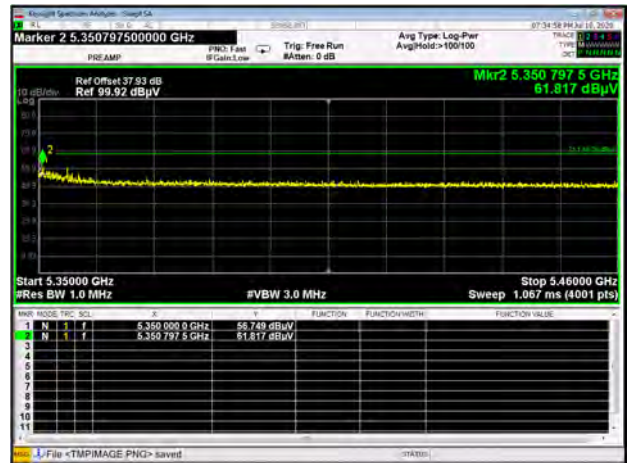
Band II 11ac20 CH64 AV



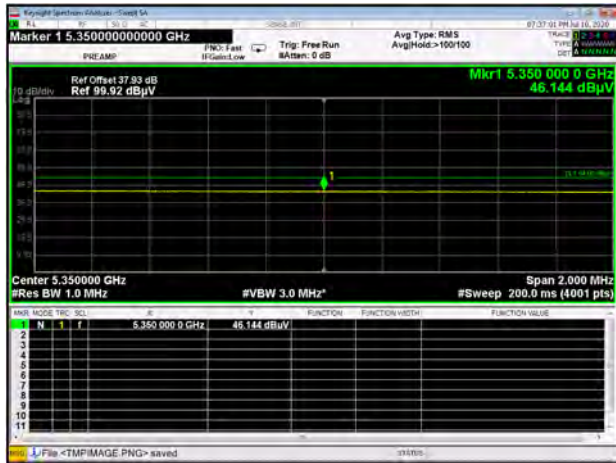
Band II 11ac40 CH54 Peak



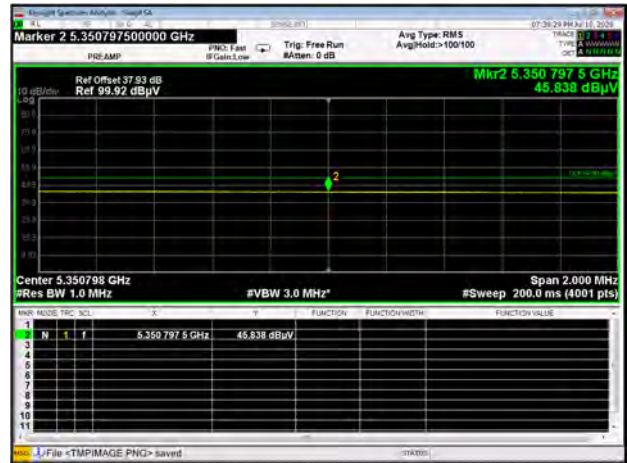
Band II 11ac40 CH62 Peak



Band II 11ac40 CH62 AV



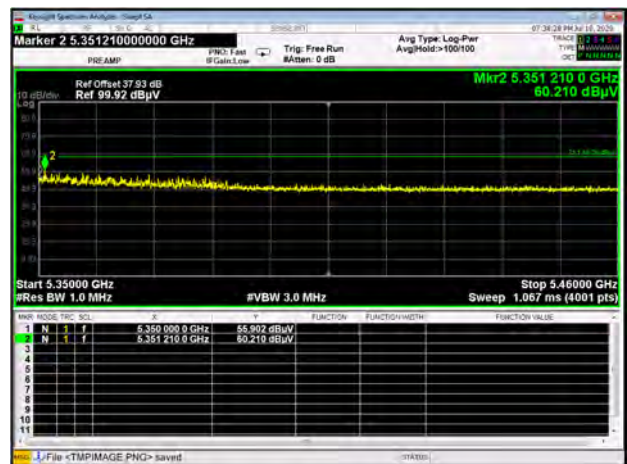
Band II 11ac40 CH62 AV



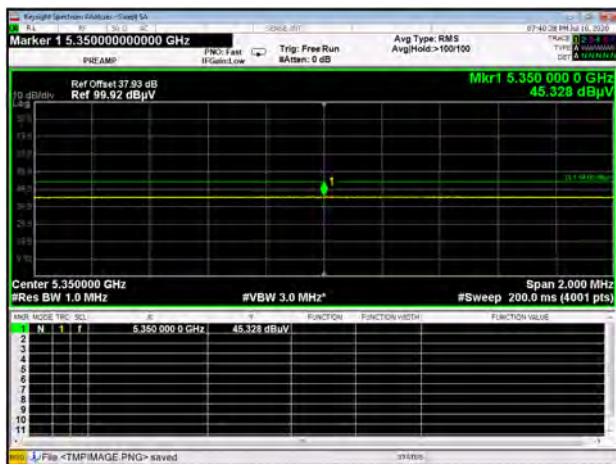
Band II 11ac80 CH58 Peak



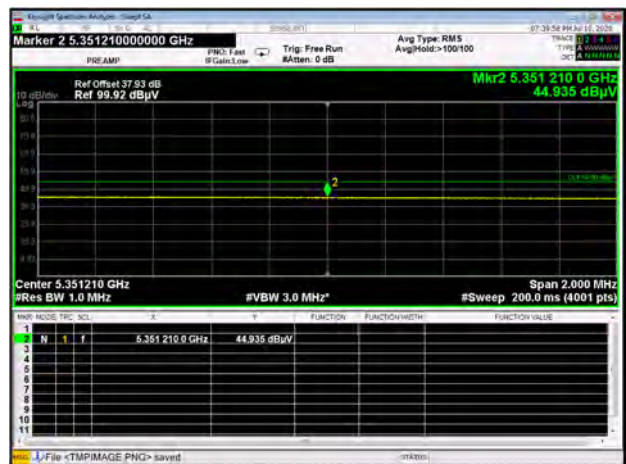
Band II 11ac80 CH58 Peak



Band II 11ac80 CH58 AV



Band II 11ac80 CH58 AV



Band III 11a CH100 Peak



Band III 11a CH100 AV



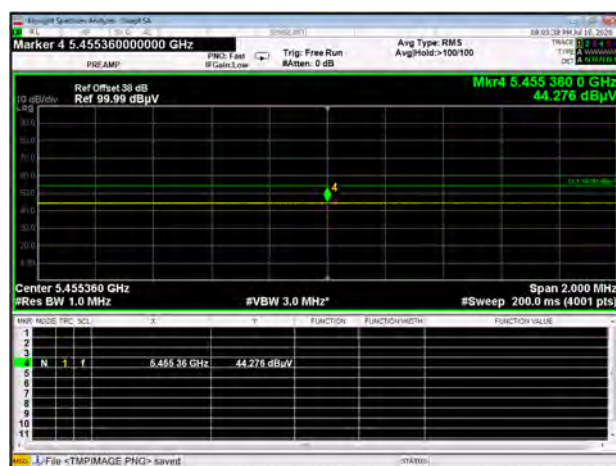
Band III 11a CH140 Peak



Band III 11n20 CH100 Peak



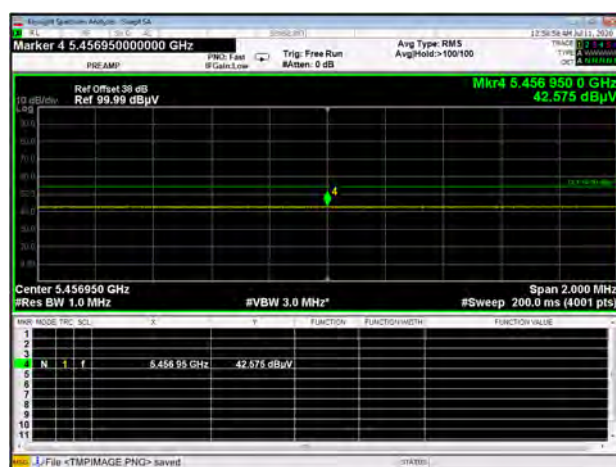
Band III 11n20 CH100 AV



Band III 11n20 CH140 Peak



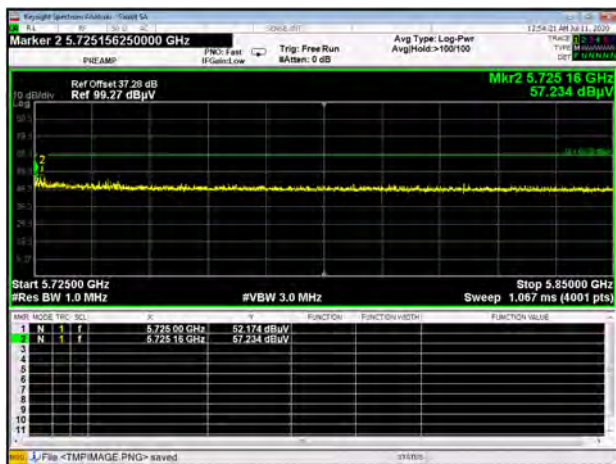
Band III 11n40 CH102 AV



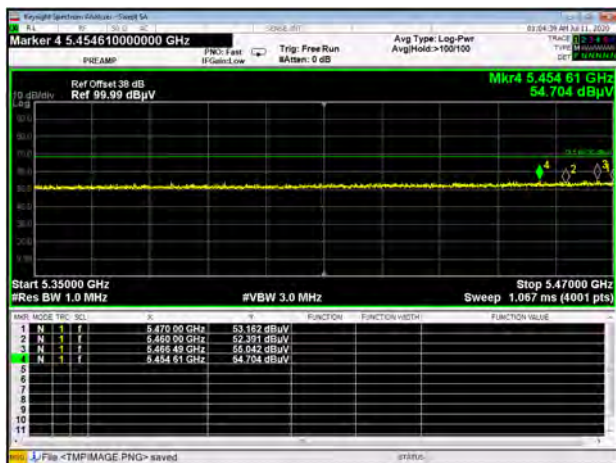
Band III 11n40 CH102 Peak



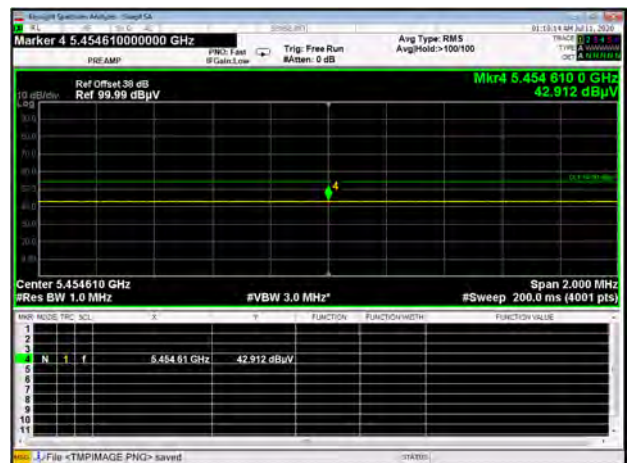
### Band III 11n40 CH134 Peak



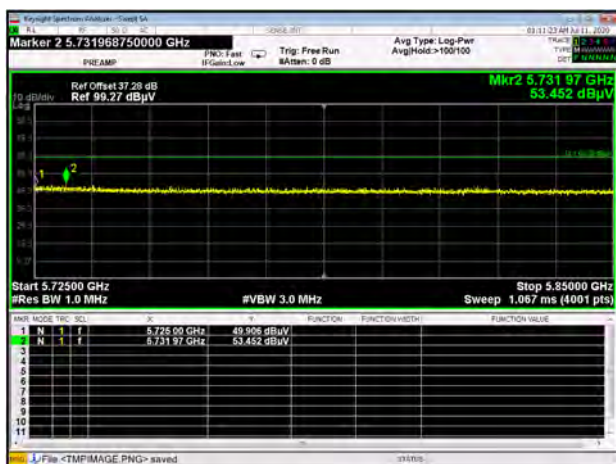
### Band III 11ac20 CH100 Peak



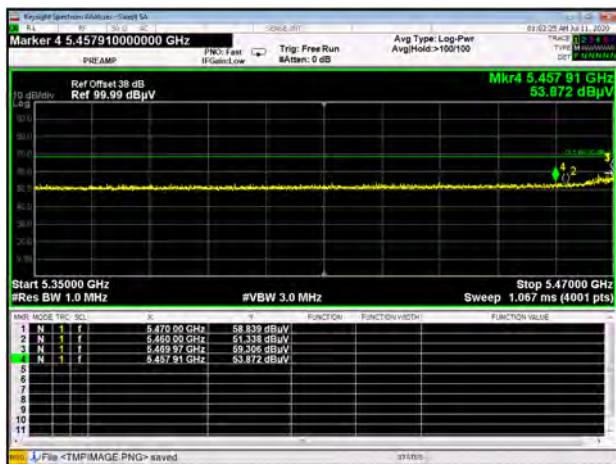
### Band III 11ac20 CH100 AV



### Band III 11ac20 CH140 Peak



Band III 11ac40 CH102 Peak



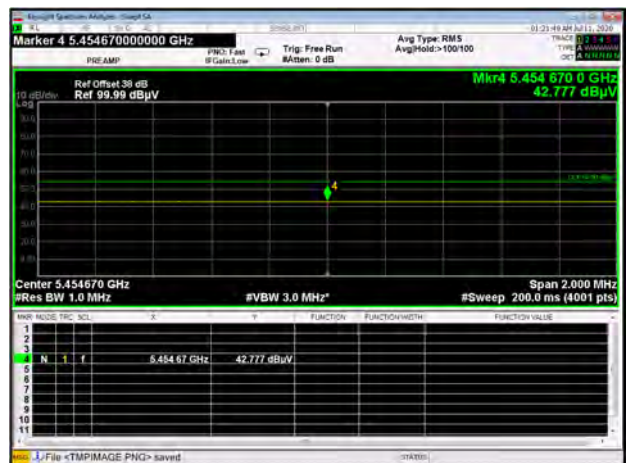
Band III 11ac40 CH134 Peak



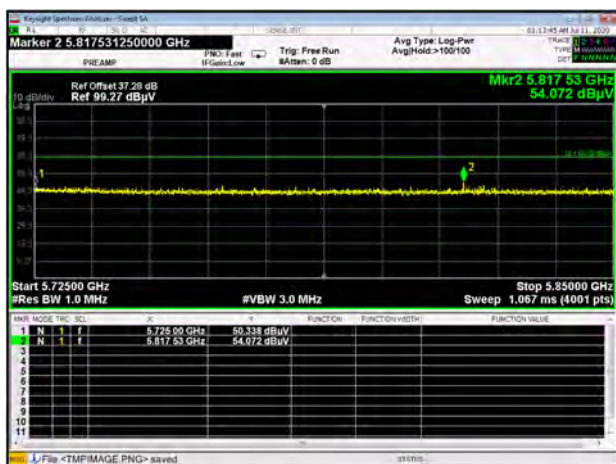
Band III 11ac80 CH106 Peak



Band III 11ac80 CH106 AV



Band III 11ac80 CH122 Peak



Band IV 11a CH149 Peak



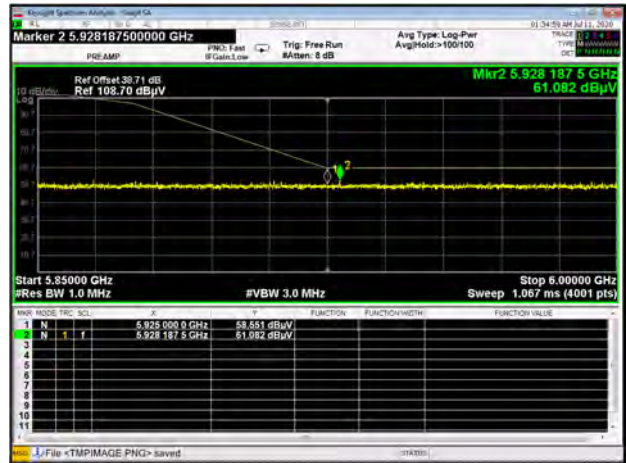
Band IV 11a CH165 Peak



Band IV 11n20 CH149 Peak



Band IV 11n20 CH165 Peak



Band IV 11n40 CH151 Peak



Band IV 11n40 CH159 Peak



Band IV 11ac20 CH149 Peak



Band IV 11ac20 CH165 Peak



Band IV 11ac40 CH151 Peak



Band IV 11ac40 CH159 Peak



Band IV 11ac80 CH155 Peak



Band IV 11ac80 CH155 Peak



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document "BL-SZ2070204-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ2070204-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ2070204-AI.PDF".

--END OF REPORT--