

FCC

RF

TEST REPORT

ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**LAPTOP**

ISSUED TO  
HUNAN GREATWALL COMPUTER SYSTEM CO., LTD

Tianyi Science and Technology Town, Xiangyun Road, Tianyuan  
District, Zhuzhou, Hunan, P.R. China



Prepared by:

*Ye Hongji*  
Ye Hongji

Date

*Oct. 16, 2020*

Approved by:

*Wei Yanquan*  
Wei Yanquan  
(Chief Engineer)

Date

*Oct. 16, 2020*

Report No.: BL-SZ2090561-604

EUT Name: LAPTOP

Model Name: EVC156-1 (refer section 2.4)

Brand Name: EVOO

Test Standard: 47 CFR Part 15 Subpart E

FCC ID: 2APUQ-EVC156

Test Conclusion: Pass

Test Date: Sep. 21, 2020 ~ Sep. 30, 2020

Date of Issue: Oct. 16, 2020

*NOTE: This test report of test results only related to testing samples, which can be duplicated completely for the legal use with the approval of the applicant; it shall not be reproduced except in full, without the written approval of Shenzhen BALUN Technology Co., Ltd. Any objections should be raised within thirty days from the date of issue. To validate the report, please contact us.*

### Revision History

| Version        | Issue Date           | Revisions Content    |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Oct. 16, 2020</u> | <u>Initial Issue</u> |

## TABLE OF CONTENTS

|     |                                                             |    |
|-----|-------------------------------------------------------------|----|
| 1   | ADMINISTRATIVE DATA (GENERAL INFORMATION)                   | 4  |
| 1.1 | Identification of the Testing Laboratory                    | 4  |
| 1.2 | Identification of the Responsible Testing Location          | 4  |
| 1.3 | Laboratory Condition                                        | 4  |
| 1.4 | Announce                                                    | 5  |
| 2   | PRODUCT INFORMATION                                         | 6  |
| 2.1 | Applicant                                                   | 6  |
| 2.2 | Manufacturer                                                | 6  |
| 2.3 | Factory                                                     | 6  |
| 2.4 | General Description for Equipment under Test (EUT)          | 6  |
| 2.5 | Technical Information                                       | 7  |
| 2.6 | Additional Instructions                                     | 8  |
| 2.7 | Channel List                                                | 10 |
| 3   | SUMMARY OF TEST RESULTS                                     | 12 |
| 3.1 | Test Standards                                              | 12 |
| 3.2 | Verdict                                                     | 12 |
| 4   | GENERAL TEST CONFIGURATIONS                                 | 13 |
| 4.1 | Test Environments                                           | 13 |
| 4.2 | Test Equipment List                                         | 13 |
| 4.3 | Measurement Uncertainty                                     | 14 |
| 4.4 | Description of Test Setup                                   | 15 |
| 5   | TEST ITEMS                                                  | 18 |
| 5.1 | RF Output Power                                             | 18 |
| 5.2 | Emission Bandwidth and 6 dB Bandwidth                       | 19 |
| 5.3 | Power Spectral density (PSD)                                | 20 |
| 5.4 | Conducted Emission                                          | 21 |
| 5.5 | Radiated Spurious Emissions and Band Edge (Restricted-band) | 22 |

|         |                                                                   |     |
|---------|-------------------------------------------------------------------|-----|
| ANNEX A | TEST RESULT .....                                                 | 27  |
| A.1     | RF Output Power .....                                             | 27  |
| A.2     | Emission Bandwidth & 99% Bandwidth .....                          | 29  |
| A.3     | 6 dB Bandwidth .....                                              | 31  |
| A.4     | Power Spectral Density .....                                      | 32  |
| A.5     | Conducted Emissions.....                                          | 34  |
| A.6     | Radiated Spurious Emissions and Band Edge (Restricted-band) ..... | 36  |
| ANNEX B | TEST SETUP PHOTOS .....                                           | 104 |
| ANNEX C | EUT EXTERNAL PHOTOS .....                                         | 104 |
| ANNEX D | EUT INTERNAL PHOTOS.....                                          | 104 |

## 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 | HUNAN GREATWALL COMPUTER SYSTEM CO., LTD                                                         |
| Address   | Tianyi Science and Technology Town, Xiangyun Road, Tianyuan District, Zhuzhou, Hunan, P.R. China |

### 2.2 Manufacturer

|              |                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------|
| Manufacturer | HUNAN GREATWALL COMPUTER SYSTEM CO., LTD                                                         |
| Address      | Tianyi Science and Technology Town, Xiangyun Road, Tianyuan District, Zhuzhou, Hunan, P.R. China |

### 2.3 Factory

|         |                                                                                                  |
|---------|--------------------------------------------------------------------------------------------------|
| Factory | HUNAN GREATWALL COMPUTER SYSTEM CO., LTD                                                         |
| Address | Tianyi Science and Technology Town, Xiangyun Road, Tianyuan District, Zhuzhou, Hunan, P.R. China |

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

|                                           |                                                                                                                  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| EUT Name                                  | LAPTOP                                                                                                           |
| Model Name Under Test                     | EVC156-1                                                                                                         |
| Series Model Name                         | EVC156-2                                                                                                         |
| Description of Model name differentiation | All models are same with electrical parameters and internal circuit structure, but only different on model name. |
| Serial Number                             | N/A                                                                                                              |
| Hardware Version                          | XU133SR400                                                                                                       |
| Software Version                          | OS Name: Microsoft Windows 10 Home 2004<br>Versios: 20H1                                                         |
| Dimensions (Approx.)                      | N/A                                                                                                              |
| Weight (Approx.)                          | N/A                                                                                                              |

## 2.5 Technical Information

|                                   |                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity | Bluetooth 4.2 (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac<br>Band 1/3 SRD |
|-----------------------------------|-------------------------------------------------------------------------------------------------|

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

|                                                         |                                                                                                                          |                                                                                                                                                                                        |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range                                         | Band 1: 5150 MHz to 5250 MHz,<br>Band 3: 5725 MHz to 5850 MHz                                                            |                                                                                                                                                                                        |
| Product Type                                            | <input type="checkbox"/> Mobile<br><input checked="" type="checkbox"/> Portable<br><input type="checkbox"/> Fix Location |                                                                                                                                                                                        |
| Modulation technology                                   | OFDM                                                                                                                     |                                                                                                                                                                                        |
| Modulation Type                                         | 256QAM, 64QAM, 16QAM, BPSK, QPSK                                                                                         |                                                                                                                                                                                        |
| Product Type                                            | Portable for FCC standard                                                                                                |                                                                                                                                                                                        |
| Transfer Rate (Mbps) (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 1: 14.38 dBm<br>Band 3: 14.33 dBm                                                                                   |                                                                                                                                                                                        |
| Antenna System (eg., MIMO, Smart Antenna)               | Cyclic Delay Diversity (CDD)                                                                                             |                                                                                                                                                                                        |
| Categorization as Correlated or Completely Uncorrelated | Correlated                                                                                                               |                                                                                                                                                                                        |
| Antenna Type                                            | Main Antenna                                                                                                             | FPC Antenna                                                                                                                                                                            |
|                                                         | Aux. Antenna                                                                                                             |                                                                                                                                                                                        |
| Antenna Gain                                            | Main Antenna                                                                                                             | 1.62 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)                                                      |
|                                                         | Aux. Antenna                                                                                                             |                                                                                                                                                                                        |
| Total directional gain                                  | For power spectral density(PSD) measurements                                                                             | 4.62 dBi<br>Formulas: Directional gain = GANT + Array Gain, <i>Array Gain</i> = $10 \log(NANT/NSS)$ dB. $NSS = 1$ , GANT set equal to the gain of the antenna having the highest gain. |
|                                                         | For power measurements                                                                                                   | 1.62 dBi<br>Formulas: Directional gain = GANT + Array Gain, <i>Array Gain</i> = 0.                                                                                                     |
| About the Product                                       | The equipment is LAPTOP, 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 | MPTool |
|-----------------------|--------|

| Band 1 (5150 - 5250 MHz) Power level setup in software |         |                 |              |              |
|--------------------------------------------------------|---------|-----------------|--------------|--------------|
| Mode                                                   | Channel | Frequency (MHz) | Soft Set     |              |
|                                                        |         |                 | Main Antenna | Aux. Antenna |
| 11a                                                    | CH36    | 5180            | 43           | 44           |
| 11a                                                    | CH44    | 5220            | 43           | 44           |
| 11a                                                    | CH48    | 5240            | 42           | 43           |
| 11n (HT20)                                             | CH36    | 5180            | 42           | 43           |
| 11n (HT20)                                             | CH44    | 5220            | 41           | 42           |
| 11n (HT20)                                             | CH48    | 5240            | 41           | 41           |
| 11n (HT40)                                             | CH38    | 5190            | 47           | 47           |
| 11n (HT40)                                             | CH46    | 5230            | 47           | 47           |
| 11ac (VHT20)                                           | CH36    | 5180            | 40           | 40           |
| 11ac (VHT20)                                           | CH44    | 5220            | 39           | 39           |
| 11ac (VHT20)                                           | CH48    | 5240            | 39           | 39           |
| 11ac (VHT40)                                           | CH38    | 5190            | 45           | 45           |
| 11ac (VHT40)                                           | CH46    | 5230            | 44           | 45           |
| 11ac (VHT80)                                           | CH42    | 5210            | 40           | 40           |

| Band 3 (5725 - 5850 MHz) Power level setup in software |         |                 |              |              |
|--------------------------------------------------------|---------|-----------------|--------------|--------------|
| Mode                                                   | Channel | Frequency (MHz) | Soft Set     |              |
|                                                        |         |                 | Main Antenna | Aux. Antenna |
| 11a                                                    | CH149   | 5745            | 40           | 41           |
| 11a                                                    | CH157   | 5785            | 41           | 41           |
| 11a                                                    | CH165   | 5825            | 42           | 42           |
| 11n (HT20)                                             | CH149   | 5745            | 38           | 40           |
| 11n (HT20)                                             | CH157   | 5785            | 39           | 40           |
| 11n (HT20)                                             | CH165   | 5825            | 40           | 40           |
| 11n (HT40)                                             | CH151   | 5755            | 44           | 45           |
| 11n (HT40)                                             | CH159   | 5795            | 44           | 45           |
| 11ac (VHT20)                                           | CH149   | 5745            | 36           | 38           |
| 11ac (VHT20)                                           | CH157   | 5785            | 36           | 38           |
| 11ac (VHT20)                                           | CH165   | 5825            | 37           | 38           |
| 11ac (VHT40)                                           | CH151   | 5755            | 42           | 43           |
| 11ac (VHT40)                                           | CH159   | 5795            | 42           | 43           |
| 11ac (VHT80)                                           | CH155   | 5775            | 37           | 38           |

Start Testing MAP E-FUSE I\*2\_PG Quit Reset Help Enable Autoinstall Flash

Testing Item

Continuous Tx

A 34 B 0

C 0 D 0

Band Bandwidth

5G 80M

Data Rate

Nss1 MCS0

Preamble

Long GI

Channel

42

Tx Path Rx Path

A AB

RFPATHSet

Default

HW Tx Packet Setting

Pattern LDPC

Random

Length Count

1000

Type Period

Normal 2000

Mac Address

Self Get

D4D2D6DAEA77

Tx Dest Set

FFFFFFFFFFFF

FW

LED1 ON Ant 1

IQK LCK

Modulation setting OK

Tx Packets 1

Rx OK 0

Rx CRC32 Error 0

Rx P/M OK PHYOK MACOK

Rx P/M Err PHYERR MACERR

EFUSE

Write Read Update

BYTE Offset Value

RF RPath\_A

Offset

Value

Reg Read Reg Write

RF Read RF Write

TxPwrTrack Start

Thermal Val Monitor

Crystal Calibration

XinXout 0x3A

Enable Power limit

Change settings

Power by rate file: Default

Power limit file: Default

Efuse Used 246 Bytes

## 2.7 Channel List

| 20 MHz         |                 | 40 MHz         |                 | 80 MHz         |                 |
|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Channel Number | Frequency (MHz) | Channel Number | Frequency (MHz) | Channel Number | Frequency (MHz) |
| <b>36</b>      | <b>5180</b>     | <b>38</b>      | <b>5190</b>     | <b>42</b>      | <b>5210</b>     |
| 40             | 5200            | <b>46</b>      | <b>5230</b>     | <b>155</b>     | <b>5775</b>     |
| <b>44</b>      | <b>5220</b>     | <b>151</b>     | <b>5755</b>     |                |                 |
| <b>48</b>      | <b>5240</b>     | <b>159</b>     | <b>5795</b>     |                |                 |
| <b>149</b>     | <b>5745</b>     |                |                 |                |                 |
| 153            | 5765            |                |                 |                |                 |
| <b>157</b>     | <b>5785</b>     |                |                 |                |                 |
| 161            | 5805            |                |                 |                |                 |
| <b>165</b>     | <b>5825</b>     |                |                 |                |                 |

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 1 (5150 - 5250 MHz) |         |                 | Band 3 (5725 - 5850 MHz) |         |                 |
|--------------------------|---------|-----------------|--------------------------|---------|-----------------|
| Channel Number           | Channel | Frequency (MHz) | Channel Number           | Channel | Frequency (MHz) |
| 36                       | Low     | 5180            | 149                      | Low     | 5745            |
| 44                       | Mid     | 5220            | 157                      | Mid     | 5785            |
| 48                       | High    | 5240            | 165                      | High    | 5825            |

For 802.11n(HT40)/ac(VHT40)

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

For 802.11ac(VHT80)

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

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

| Test Items                                  | Mode         | Data Rate | Modulation Type | Band 1   | Band 3      |
|---------------------------------------------|--------------|-----------|-----------------|----------|-------------|
|                                             |              |           |                 | Channel  | Channel     |
| RF Output Power                             | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| Emission Bandwidth & 99% Occupied Bandwidth | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| 6 dB bandwidth                              | 11a          | 6         | BPSK            | N/A      | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | N/A      | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | N/A      | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | N/A      | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | N/A      | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | N/A      | 155         |
| Power Spectral Density                      | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| Radiated Spurious Emissions                 | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |
| Band Edge (Restricted-band)                 | 11a          | 6         | BPSK            | 48/44/36 | 165/157/149 |
|                                             | 11n(20 MHz)  | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11n(40 MHz)  | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(20 MHz) | 6.5       |                 | 48/44/36 | 165/157/149 |
|                                             | 11ac(40 MHz) | 13.5      |                 | 46/38    | 159/151     |
|                                             | 11ac(80 MHz) | 29.3      |                 | 42       | 155         |

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

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

#### 3.2 Verdict

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

Note <sup>1</sup>: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note <sup>2</sup>: Only radio communication receivers operating in stand-alone mode within the 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)    | -10°C          |
|                            | HT (High Temperature)   | +45°C          |
| Working Voltage of the EUT | NV (Normal Voltage)     | 11.40 V        |
|                            | LV (Low Voltage)        | 10.50 V        |
|                            | HV (High Voltage)       | 13.05 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

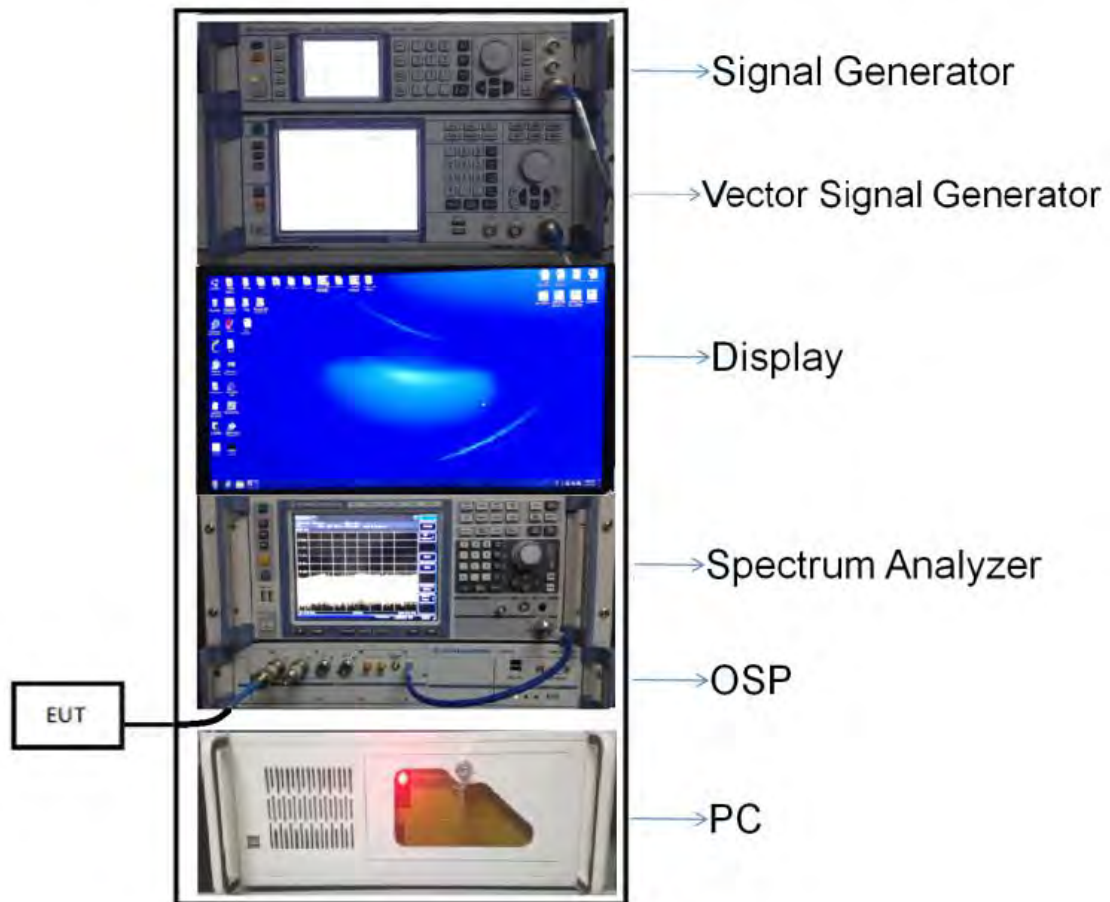
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

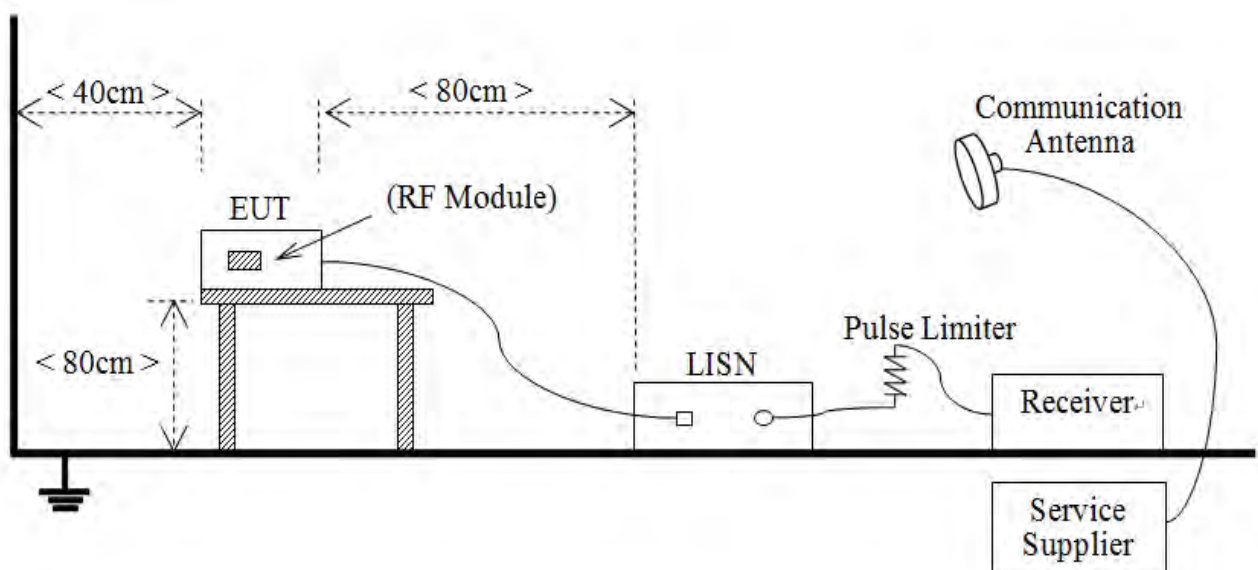
## 4.4 Description of Test Setup

### 4.4.1 For Antenna Port Test



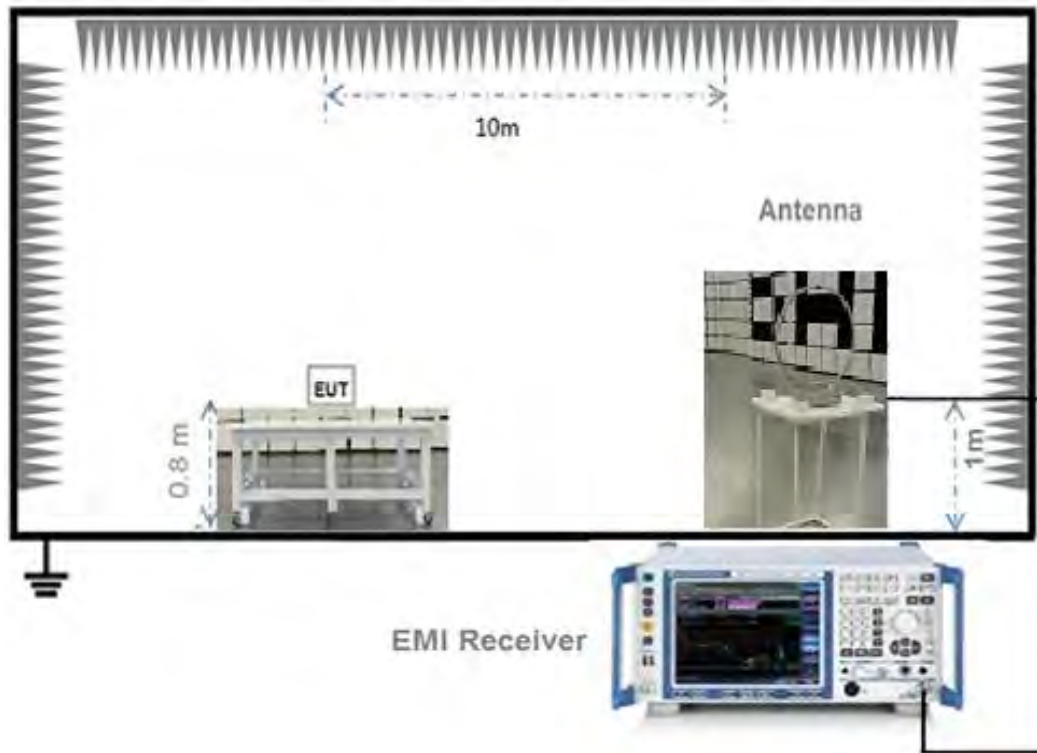
(Diagram 1)

### 4.4.2 For AC Power Supply Port Test



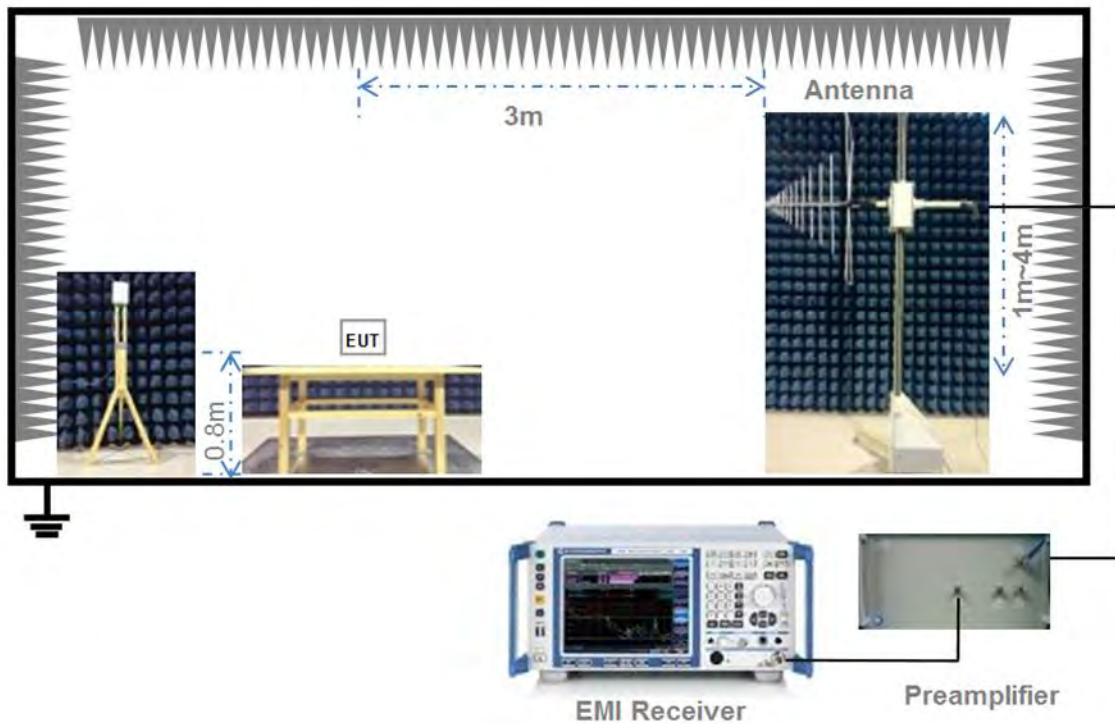
(Diagram 2)

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



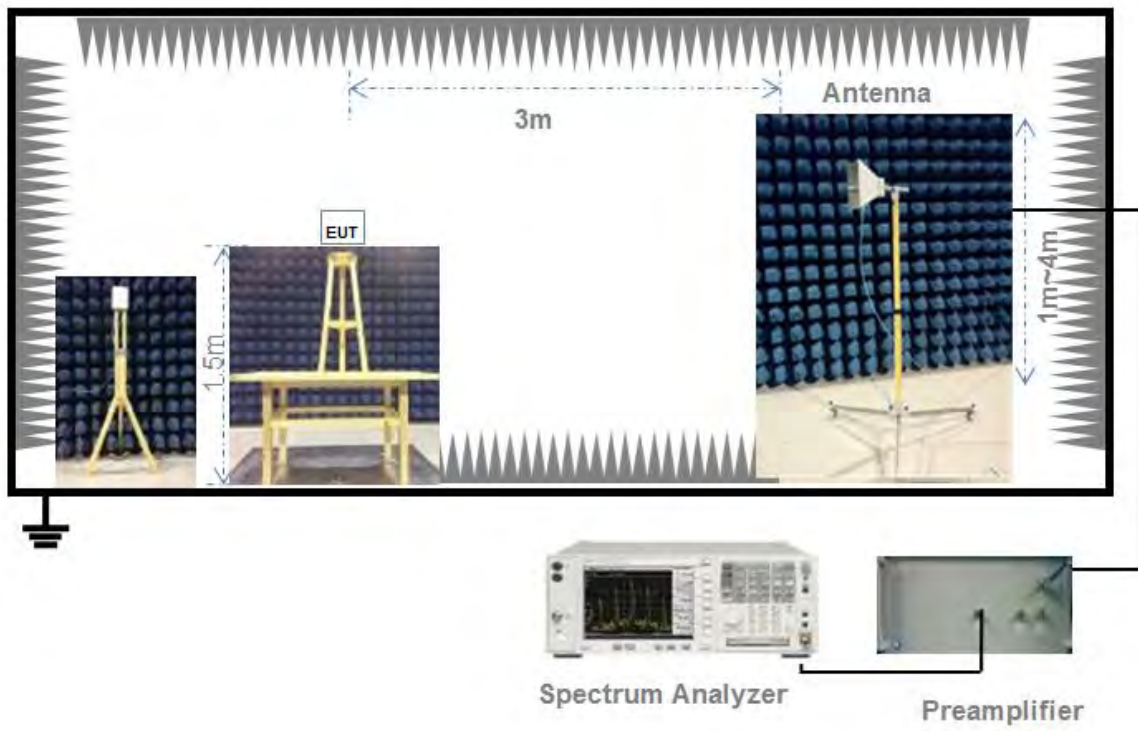
(Diagram 3)

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



(Diagram 4)

#### 4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

## 5 TEST ITEMS

### 5.1 RF Output Power

#### 5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

| Frequency Band (MHz)                                     | Limit                                          |
|----------------------------------------------------------|------------------------------------------------|
| 5150-5250                                                | 250 mW                                         |
| 5250-5350                                                | 250 mW or 11 dBm + 10log B, whichever is less. |
| 5470-5725                                                | 250 mW or 11 dBm + 10log B, whichever is less. |
| 5725-5850                                                | 1 W                                            |
| Note: Where "B" is the 26 dB emissions bandwidth in MHz. |                                                |

RSS-247, 6.2

The maximum conducted output power shall not exceed:

| Frequency Band (MHz)                                   | Limit                                          |
|--------------------------------------------------------|------------------------------------------------|
| 5150-5250                                              | N/A                                            |
| 5250-5350                                              | 250 mW or 11 dBm + 10log B, whichever is less. |
| 5470-5725                                              | 250 mW or 11 dBm + 10log B, whichever is less. |
| 5725-5850                                              | 1 W                                            |
| Note: Where "B" is the 99% emissions bandwidth in MHz. |                                                |

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

| Frequency Band (MHz)                                   | Limit                                          |
|--------------------------------------------------------|------------------------------------------------|
| 5150-5250                                              | 200 mW or 10 dBm + 10log B, whichever is less. |
| 5250-5350                                              | 1W or 17 dBm + 10log B, whichever is less.     |
| 5470-5725                                              | 1W or 17 dBm + 10log B, whichever is less.     |
| 5725-5850                                              | N/A                                            |
| Note: Where "B" is the 99% emissions bandwidth in MHz. |                                                |

#### 5.1.2 Test Setup

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

#### 5.1.3 Test Procedure

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

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

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Emission Bandwidth and 6 dB Bandwidth

### 5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### 5.2.2 Test Setup

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

### 5.2.3 Test Procedure

#### Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW  $\geq 3 \times$  RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

#### Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW  $\geq 3 \times$  RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

#### 6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

## 5.3 Power Spectral density (PSD)

### 5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

| Frequency Band (MHz) | Limit      |
|----------------------|------------|
| 5150-5250            | 10 dBm/MHz |
| 5250-5350            | N/A        |
| 5470-5725            | N/A        |
| 5725-5850            | N/A        |

### 5.3.2 Test Setup

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

### 5.3.3 Test Procedure

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

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

### 5.3.4 Test Result

Please refer to ANNEX A.4.

## 5.4 Conducted Emission

### 5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the 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)

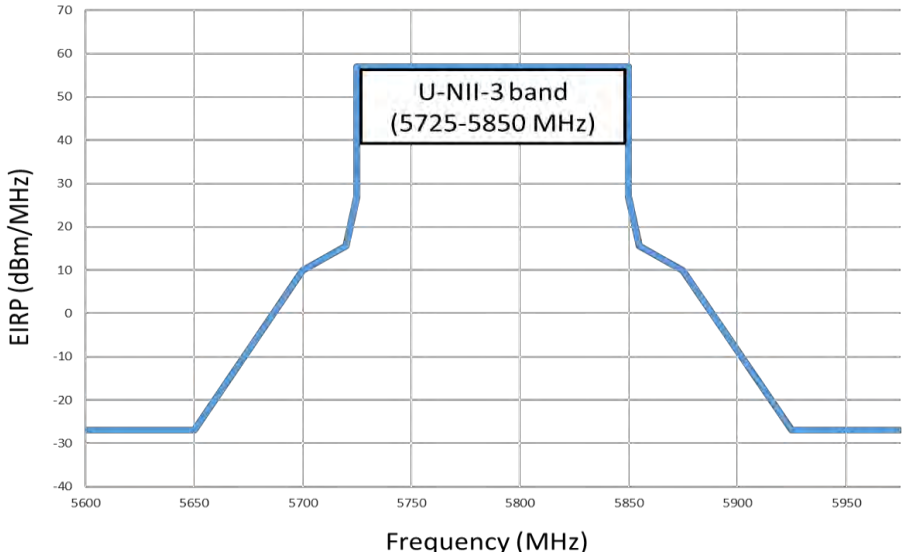
### 5.5.1 Limit

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>  |

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

### 5.5.2 Test Setup

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

setup please refer to ANNEX B.

### 5.5.3 Test Procedure

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

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

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

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

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

where:

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

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

#### Quasi-Peak measurement procedure

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

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

#### Peak power measurement procedure

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

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

Table 1—RBW as a function of frequency

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

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

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

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

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle,  $x$ , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW  $\geq 3 \times$  RBW.
- e) Detector = RMS, if  $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
  - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is  $10 \log(1/x)$ , where  $x$  is the duty cycle.
  - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is  $20 \log(1/x)$ , where

x is the duty cycle.

3) If a specific emission is demonstrated to be continuous ( $\geq 98$  percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

#### Determining the applicable transmit antenna gain

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

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

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

#### Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 5.5.4 Test Result

Please refer to ANNEX A.6.

## ANNEX A TEST RESULT

### A.1 RF Output Power

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

#### Test Data

#### Conducted Power

#### Main Antenna

| Band 1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|--------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                     | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                      | CH36    | 14.15                 | 26.00                | 250            | Pass    |
| 11a                      | CH44    | 14.23                 | 26.49                | 250            | Pass    |
| 11a                      | CH48    | 14.16                 | 26.06                | 250            | Pass    |
| 11n (HT20)               | CH36    | 13.26                 | 21.18                | 250            | Pass    |
| 11n (HT20)               | CH44    | 13.38                 | 21.78                | 250            | Pass    |
| 11n (HT20)               | CH48    | 13.11                 | 20.46                | 250            | Pass    |
| 11n (HT40)               | CH38    | 13.33                 | 21.53                | 250            | Pass    |
| 11n (HT40)               | CH46    | 13.19                 | 20.84                | 250            | Pass    |
| 11ac (VHT20)             | CH36    | 12.16                 | 16.44                | 250            | Pass    |
| 11ac (VHT20)             | CH44    | 12.20                 | 16.60                | 250            | Pass    |
| 11ac (VHT20)             | CH48    | 12.28                 | 16.90                | 250            | Pass    |
| 11ac (VHT40)             | CH38    | 12.12                 | 16.29                | 250            | Pass    |
| 11ac (VHT40)             | CH46    | 12.13                 | 16.33                | 250            | Pass    |
| 11ac (VHT80)             | CH42    | 12.26                 | 16.83                | 250            | Pass    |

| Band 3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|--------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                     | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                      | CH149   | 14.17                 | 26.12                | 1000           | Pass    |
| 11a                      | CH157   | 14.15                 | 26.00                | 1000           | Pass    |
| 11a                      | CH165   | 14.32                 | 27.04                | 1000           | Pass    |
| 11n (HT20)               | CH149   | 13.32                 | 21.48                | 1000           | Pass    |
| 11n (HT20)               | CH157   | 13.22                 | 20.99                | 1000           | Pass    |
| 11n (HT20)               | CH165   | 13.17                 | 20.75                | 1000           | Pass    |
| 11n (HT40)               | CH151   | 13.26                 | 21.18                | 1000           | Pass    |
| 11n (HT40)               | CH159   | 13.12                 | 20.51                | 1000           | Pass    |
| 11ac (VHT20)             | CH149   | 12.25                 | 16.79                | 1000           | Pass    |
| 11ac (VHT20)             | CH157   | 12.27                 | 16.87                | 1000           | Pass    |
| 11ac (VHT20)             | CH165   | 12.23                 | 16.71                | 1000           | Pass    |
| 11ac (VHT40)             | CH151   | 12.30                 | 16.98                | 1000           | Pass    |
| 11ac (VHT40)             | CH159   | 12.14                 | 16.37                | 1000           | Pass    |
| 11ac (VHT80)             | CH155   | 12.33                 | 17.10                | 1000           | Pass    |

Aux. Antenna

| Band 1 (5150 - 5250 MHz) |         |                       |                      |                |         |
|--------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                     | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                      | CH36    | 14.22                 | 26.42                | 250            | Pass    |
| 11a                      | CH44    | 14.34                 | 27.16                | 250            | Pass    |
| 11a                      | CH48    | 14.38                 | 27.42                | 250            | Pass    |
| 11n (HT20)               | CH36    | 13.35                 | 21.63                | 250            | Pass    |
| 11n (HT20)               | CH44    | 13.22                 | 20.99                | 250            | Pass    |
| 11n (HT20)               | CH48    | 13.13                 | 20.56                | 250            | Pass    |
| 11n (HT40)               | CH38    | 13.30                 | 21.38                | 250            | Pass    |
| 11n (HT40)               | CH46    | 13.27                 | 21.23                | 250            | Pass    |
| 11ac (VHT20)             | CH36    | 12.22                 | 16.67                | 250            | Pass    |
| 11ac (VHT20)             | CH44    | 12.11                 | 16.26                | 250            | Pass    |
| 11ac (VHT20)             | CH48    | 12.19                 | 16.56                | 250            | Pass    |
| 11ac (VHT40)             | CH38    | 12.18                 | 16.52                | 250            | Pass    |
| 11ac (VHT40)             | CH46    | 12.15                 | 16.41                | 250            | Pass    |
| 11ac (VHT80)             | CH42    | 12.26                 | 16.83                | 250            | Pass    |

| Band 3 (5725 - 5850 MHz) |         |                       |                      |                |         |
|--------------------------|---------|-----------------------|----------------------|----------------|---------|
| Mode                     | Channel | Conducted Power (dBm) | Conducted Power (mW) | FCC Limit (mW) | Verdict |
| 11a                      | CH149   | 14.33                 | 27.10                | 1000           | Pass    |
| 11a                      | CH157   | 14.25                 | 26.61                | 1000           | Pass    |
| 11a                      | CH165   | 14.15                 | 26.00                | 1000           | Pass    |
| 11n (HT20)               | CH149   | 13.36                 | 21.68                | 1000           | Pass    |
| 11n (HT20)               | CH157   | 13.38                 | 21.78                | 1000           | Pass    |
| 11n (HT20)               | CH165   | 13.23                 | 21.04                | 1000           | Pass    |
| 11n (HT40)               | CH151   | 13.25                 | 21.13                | 1000           | Pass    |
| 11n (HT40)               | CH159   | 13.19                 | 20.84                | 1000           | Pass    |
| 11ac (VHT20)             | CH149   | 12.31                 | 17.02                | 1000           | Pass    |
| 11ac (VHT20)             | CH157   | 12.37                 | 17.26                | 1000           | Pass    |
| 11ac (VHT20)             | CH165   | 12.33                 | 17.10                | 1000           | Pass    |
| 11ac (VHT40)             | CH151   | 12.26                 | 16.83                | 1000           | Pass    |
| 11ac (VHT40)             | CH159   | 12.27                 | 16.87                | 1000           | Pass    |
| 11ac (VHT80)             | CH155   | 12.21                 | 16.63                | 1000           | Pass    |

## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2090561-604 Data Part 1.pdf".

### Test Data

#### Main Antenna

| Band 1 (5150 - 5250 MHz) |         |                       |                     |
|--------------------------|---------|-----------------------|---------------------|
| Mode                     | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                      | CH36    | 20.12                 | 16.56               |
| 11a                      | CH44    | 20.04                 | 16.56               |
| 11a                      | CH48    | 20.08                 | 16.56               |
| 11n (HT20)               | CH36    | 21.04                 | 17.66               |
| 11n (HT20)               | CH44    | 20.96                 | 17.60               |
| 11n (HT20)               | CH48    | 21.04                 | 17.66               |
| 11n (HT40)               | CH38    | 42.30                 | 36.47               |
| 11n (HT40)               | CH46    | 42.10                 | 36.24               |
| 11ac (VHT20)             | CH36    | 21.04                 | 17.71               |
| 11ac (VHT20)             | CH44    | 21.00                 | 17.66               |
| 11ac (HVT20)             | CH48    | 21.00                 | 17.66               |
| 11ac (VHT40)             | CH38    | 42.30                 | 36.47               |
| 11ac (VHT40)             | CH46    | 42.10                 | 36.35               |
| 11ac (VHT80)             | CH42    | 82.60                 | 75.72               |

| Band 3 (5725 - 5850 MHz) |         |                       |                     |
|--------------------------|---------|-----------------------|---------------------|
| Mode                     | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                      | CH149   | 20.08                 | 16.56               |
| 11a                      | CH157   | 20.16                 | 16.61               |
| 11a                      | CH165   | 20.20                 | 16.56               |
| 11n (HT20)               | CH149   | 21.00                 | 17.66               |
| 11n (HT20)               | CH157   | 21.00                 | 17.66               |
| 11n (HT20)               | CH165   | 21.04                 | 17.66               |
| 11n (HT40)               | CH151   | 42.30                 | 36.35               |
| 11n (HT40)               | CH159   | 42.10                 | 36.35               |
| 11ac (VHT20)             | CH149   | 21.00                 | 17.71               |
| 11ac (VHT20)             | CH157   | 21.04                 | 17.71               |
| 11ac (VHT20)             | CH165   | 21.04                 | 17.71               |
| 11ac (VHT40)             | CH151   | 42.20                 | 36.35               |
| 11ac (VHT40)             | CH159   | 42.00                 | 36.35               |
| 11ac (VHT80)             | CH155   | 82.80                 | 75.48               |

Aux. Antenna

| Band 1 (5150 - 5250 MHz) |         |                       |                     |
|--------------------------|---------|-----------------------|---------------------|
| Mode                     | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                      | CH36    | 20.08                 | 16.56               |
| 11a                      | CH44    | 20.04                 | 16.56               |
| 11a                      | CH48    | 20.08                 | 16.56               |
| 11n (HT20)               | CH36    | 21.08                 | 17.66               |
| 11n (HT20)               | CH44    | 21.04                 | 17.66               |
| 11n (HT20)               | CH48    | 21.00                 | 17.66               |
| 11n (HT40)               | CH38    | 42.20                 | 36.47               |
| 11n (HT40)               | CH46    | 42.20                 | 36.24               |
| 11ac (VHT20)             | CH36    | 21.04                 | 17.71               |
| 11ac (VHT20)             | CH44    | 20.96                 | 17.71               |
| 11ac (HVT20)             | CH48    | 21.00                 | 17.66               |
| 11ac (VHT40)             | CH38    | 42.20                 | 36.47               |
| 11ac (VHT40)             | CH46    | 42.20                 | 36.24               |
| 11ac (VHT80)             | CH42    | 82.60                 | 75.72               |

| Band 3 (5725 - 5850 MHz) |         |                       |                     |
|--------------------------|---------|-----------------------|---------------------|
| Mode                     | Channel | 26 dB Bandwidth (MHz) | 99% Bandwidth (MHz) |
| 11a                      | CH149   | 20.12                 | 16.56               |
| 11a                      | CH157   | 20.12                 | 16.61               |
| 11a                      | CH165   | 20.16                 | 16.56               |
| 11n (HT20)               | CH149   | 21.00                 | 17.66               |
| 11n (HT20)               | CH157   | 21.00                 | 17.71               |
| 11n (HT20)               | CH165   | 21.04                 | 17.66               |
| 11n (HT40)               | CH151   | 42.30                 | 36.47               |
| 11n (HT40)               | CH159   | 42.10                 | 36.35               |
| 11ac (VHT20)             | CH149   | 21.04                 | 17.66               |
| 11ac (VHT20)             | CH157   | 21.00                 | 17.71               |
| 11ac (VHT20)             | CH165   | 21.00                 | 17.71               |
| 11ac (VHT40)             | CH151   | 42.30                 | 36.35               |
| 11ac (VHT40)             | CH159   | 42.10                 | 36.35               |
| 11ac (VHT80)             | CH155   | 82.80                 | 75.48               |

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2090561-604 Data Part 2.pdf".

#### Test Data

##### Main Antenna

| Band 3 (5725 - 5850 MHz) |         |                      |             |         |
|--------------------------|---------|----------------------|-------------|---------|
| Mode                     | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                      | CH149   | 16.67                | 500.00      | Pass    |
| 11a                      | CH157   | 16.67                | 500.00      | Pass    |
| 11a                      | CH165   | 16.62                | 500.00      | Pass    |
| 11n (HT20)               | CH149   | 17.67                | 500.00      | Pass    |
| 11n (HT20)               | CH157   | 17.72                | 500.00      | Pass    |
| 11n (HT20)               | CH165   | 17.67                | 500.00      | Pass    |
| 11n (HT40)               | CH151   | 36.47                | 500.00      | Pass    |
| 11n (HT40)               | CH159   | 36.47                | 500.00      | Pass    |
| 11ac (VHT20)             | CH149   | 17.72                | 500.00      | Pass    |
| 11ac (VHT20)             | CH157   | 17.67                | 500.00      | Pass    |
| 11ac (VHT20)             | CH165   | 17.67                | 500.00      | Pass    |
| 11ac (VHT40)             | CH151   | 36.47                | 500.00      | Pass    |
| 11ac (VHT40)             | CH159   | 36.47                | 500.00      | Pass    |
| 11ac (VHT80)             | CH155   | 76.12                | 500.00      | Pass    |

##### Aux. Antenna

| Band 3 (5725 - 5850 MHz) |         |                      |             |         |
|--------------------------|---------|----------------------|-------------|---------|
| Mode                     | Channel | 6 dB Bandwidth (MHz) | Limit (kHz) | Verdict |
| 11a                      | CH149   | 16.67                | 500.00      | Pass    |
| 11a                      | CH157   | 16.67                | 500.00      | Pass    |
| 11a                      | CH165   | 16.62                | 500.00      | Pass    |
| 11n (HT20)               | CH149   | 17.67                | 500.00      | Pass    |
| 11n (HT20)               | CH157   | 17.67                | 500.00      | Pass    |
| 11n (HT20)               | CH165   | 17.67                | 500.00      | Pass    |
| 11n (HT40)               | CH151   | 36.47                | 500.00      | Pass    |
| 11n (HT40)               | CH159   | 36.47                | 500.00      | Pass    |
| 11ac (VHT20)             | CH149   | 17.67                | 500.00      | Pass    |
| 11ac (VHT20)             | CH157   | 17.72                | 500.00      | Pass    |
| 11ac (VHT20)             | CH165   | 17.67                | 500.00      | Pass    |
| 11ac (VHT40)             | CH151   | 36.47                | 500.00      | Pass    |
| 11ac (VHT40)             | CH159   | 36.47                | 500.00      | Pass    |
| 11ac (VHT80)             | CH155   | 75.92                | 500.00      | Pass    |

## A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ2090561-604 Data Part 3.pdf".

### Test Data

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

### Main Antenna

| Band 1 (5150 - 5250 MHz) |         |               |                 |         |
|--------------------------|---------|---------------|-----------------|---------|
| Mode                     | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                      | CH36    | 0.31          | 11.00           | Pass    |
| 11a                      | CH44    | 1.05          | 11.00           | Pass    |
| 11a                      | CH48    | -0.32         | 11.00           | Pass    |
| 11n (HT20)               | CH36    | -0.33         | 11.00           | Pass    |
| 11n (HT20)               | CH44    | -0.12         | 11.00           | Pass    |
| 11n (HT20)               | CH48    | -0.16         | 11.00           | Pass    |
| 11n (HT40)               | CH38    | -1.17         | 11.00           | Pass    |
| 11n (HT40)               | CH46    | -0.40         | 11.00           | Pass    |
| 11ac (VHT20)             | CH36    | -1.30         | 11.00           | Pass    |
| 11ac (VHT20)             | CH44    | -1.08         | 11.00           | Pass    |
| 11ac (VHT20)             | CH48    | -1.10         | 11.00           | Pass    |
| 11ac (VHT40)             | CH38    | -2.04         | 11.00           | Pass    |
| 11ac (VHT40)             | CH46    | -1.71         | 11.00           | Pass    |
| 11ac (VHT80)             | CH42    | -5.64         | 11.00           | Pass    |

| Band 3 (5725 - 5850 MHz) |         |                  |                    |         |
|--------------------------|---------|------------------|--------------------|---------|
| Mode                     | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                      | CH149   | -2.93            | 30.00              | Pass    |
| 11a                      | CH157   | -1.73            | 30.00              | Pass    |
| 11a                      | CH165   | -2.31            | 30.00              | Pass    |
| 11n (HT20)               | CH149   | -3.47            | 30.00              | Pass    |
| 11n (HT20)               | CH157   | -2.79            | 30.00              | Pass    |
| 11n (HT20)               | CH165   | -3.46            | 30.00              | Pass    |
| 11n (HT40)               | CH151   | -3.91            | 30.00              | Pass    |
| 11n (HT40)               | CH159   | -3.72            | 30.00              | Pass    |
| 11ac (VHT20)             | CH149   | -4.43            | 30.00              | Pass    |
| 11ac (VHT20)             | CH157   | -4.10            | 30.00              | Pass    |
| 11ac (HVT20)             | CH165   | -4.78            | 30.00              | Pass    |
| 11ac (VHT40)             | CH151   | -4.80            | 30.00              | Pass    |
| 11ac (VHT40)             | CH159   | -4.74            | 30.00              | Pass    |
| 11ac (VHT80)             | CH155   | -6.95            | 30.00              | Pass    |

Aux. Antenna

| Band 1 (5150 - 5250 MHz) |         |               |                 |         |
|--------------------------|---------|---------------|-----------------|---------|
| Mode                     | Channel | PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
| 11a                      | CH36    | 0.92          | 11.00           | Pass    |
| 11a                      | CH44    | 1.34          | 11.00           | Pass    |
| 11a                      | CH48    | 0.84          | 11.00           | Pass    |
| 11n (HT20)               | CH36    | -0.17         | 11.00           | Pass    |
| 11n (HT20)               | CH44    | 0.04          | 11.00           | Pass    |
| 11n (HT20)               | CH48    | -0.50         | 11.00           | Pass    |
| 11n (HT40)               | CH38    | -1.43         | 11.00           | Pass    |
| 11n (HT40)               | CH46    | -0.77         | 11.00           | Pass    |
| 11ac (VHT20)             | CH36    | -1.61         | 11.00           | Pass    |
| 11ac (VHT20)             | CH44    | -1.45         | 11.00           | Pass    |
| 11ac (VHT20)             | CH48    | -1.49         | 11.00           | Pass    |
| 11ac (VHT40)             | CH38    | -2.30         | 11.00           | Pass    |
| 11ac (VHT40)             | CH46    | -1.65         | 11.00           | Pass    |
| 11ac (VHT80)             | CH42    | -5.99         | 11.00           | Pass    |

| Band 3 (5725 - 5850 MHz) |         |                  |                    |         |
|--------------------------|---------|------------------|--------------------|---------|
| Mode                     | Channel | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
| 11a                      | CH149   | -2.43            | 30.00              | Pass    |
| 11a                      | CH157   | -2.21            | 30.00              | Pass    |
| 11a                      | CH165   | -2.43            | 30.00              | Pass    |
| 11n (HT20)               | CH149   | -3.17            | 30.00              | Pass    |
| 11n (HT20)               | CH157   | -2.81            | 30.00              | Pass    |
| 11n (HT20)               | CH165   | -3.56            | 30.00              | Pass    |
| 11n (HT40)               | CH151   | -3.53            | 30.00              | Pass    |
| 11n (HT40)               | CH159   | -3.20            | 30.00              | Pass    |
| 11ac (VHT20)             | CH149   | -3.98            | 30.00              | Pass    |
| 11ac (VHT20)             | CH157   | -3.61            | 30.00              | Pass    |
| 11ac (HVT20)             | CH165   | -4.38            | 30.00              | Pass    |
| 11ac (VHT40)             | CH151   | -4.21            | 30.00              | Pass    |
| 11ac (VHT40)             | CH159   | -3.98            | 30.00              | Pass    |
| 11ac (VHT80)             | CH155   | -8.49            | 30.00              | Pass    |

## A.5 Conducted Emissions

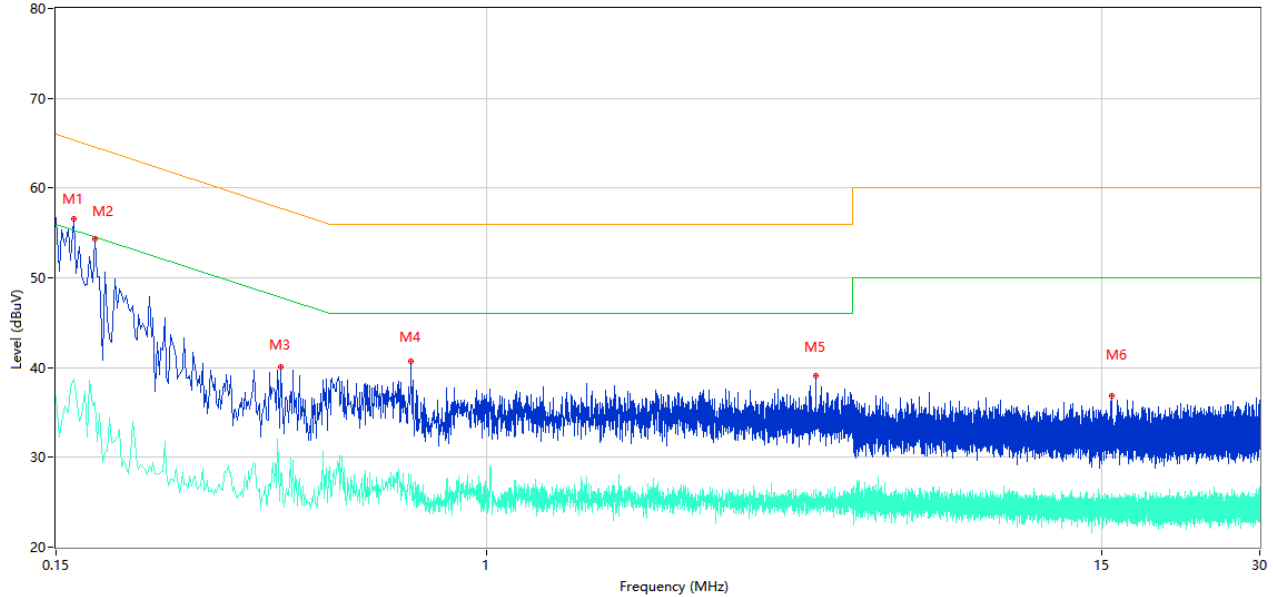
Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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

### Test Data and Plots

#### PHASE L

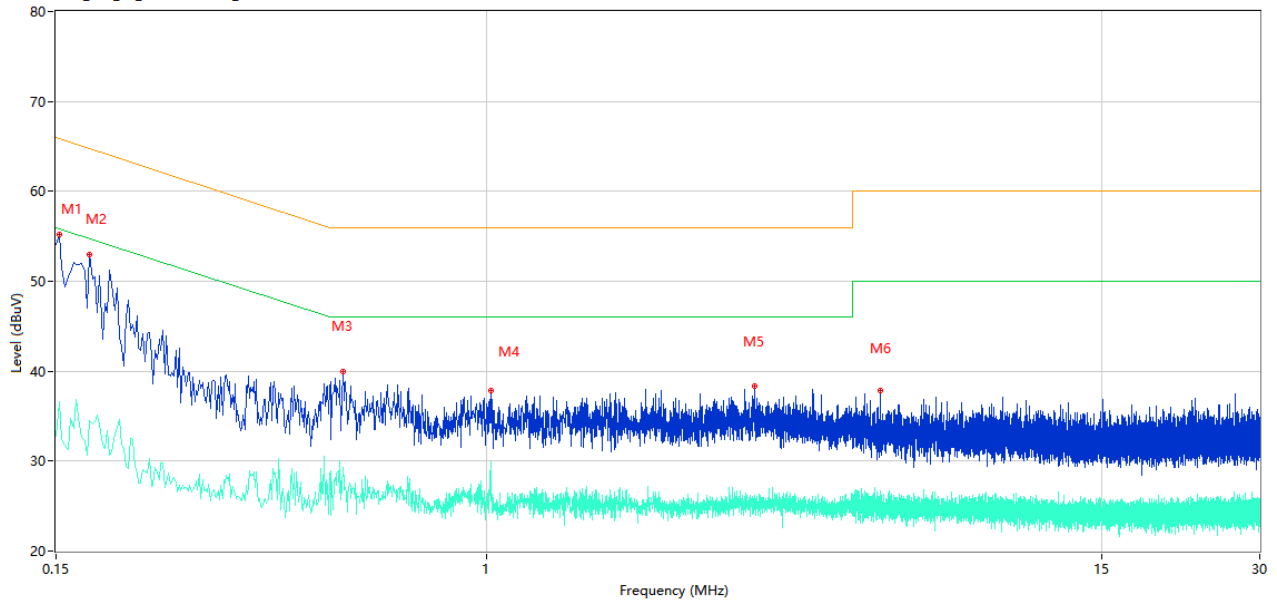
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-----------------|----------|------|---------|
| 1   | 0.162           | 56.55          | 10.40       | 65.36        | -8.81           | Peak     | L    | Pass    |
| 1** | 0.162           | 38.68          | 10.40       | 55.36        | -16.68          | AV       | L    | Pass    |
| 2   | 0.178           | 54.37          | 10.39       | 64.58        | -10.21          | Peak     | L    | Pass    |
| 2** | 0.178           | 36.07          | 10.39       | 54.58        | -18.51          | AV       | L    | Pass    |
| 3   | 0.404           | 40.09          | 10.31       | 57.77        | -17.68          | Peak     | L    | Pass    |
| 3** | 0.404           | 28.25          | 10.31       | 47.77        | -19.52          | AV       | L    | Pass    |
| 4   | 0.716           | 40.76          | 10.27       | 56.00        | -15.24          | Peak     | L    | Pass    |
| 4** | 0.716           | 28.02          | 10.27       | 46.00        | -17.98          | AV       | L    | Pass    |
| 5   | 4.260           | 39.05          | 10.30       | 56.00        | -16.95          | Peak     | L    | Pass    |
| 5** | 4.260           | 25.76          | 10.30       | 46.00        | -20.24          | AV       | L    | Pass    |
| 6   | 15.646          | 36.82          | 10.42       | 60.00        | -23.18          | Peak     | L    | Pass    |
| 6** | 15.646          | 25.84          | 10.42       | 50.00        | -24.16          | 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   | 0.150           | 54.14          | 10.41       | 66.00        | -11.86          | Peak     | N    | Pass    |
| 1** | 0.150           | 32.80          | 10.41       | 56.00        | -23.20          | AV       | N    | Pass    |
| 2   | 0.174           | 52.97          | 10.39       | 64.77        | -11.80          | Peak     | N    | Pass    |
| 2** | 0.174           | 34.51          | 10.39       | 54.77        | -20.26          | AV       | N    | Pass    |
| 3   | 0.530           | 39.98          | 10.29       | 56.00        | -16.02          | Peak     | N    | Pass    |
| 3** | 0.530           | 29.35          | 10.29       | 46.00        | -16.65          | AV       | N    | Pass    |
| 4   | 1.016           | 37.86          | 10.23       | 56.00        | -18.14          | Peak     | N    | Pass    |
| 4** | 1.016           | 29.97          | 10.23       | 46.00        | -16.03          | AV       | N    | Pass    |
| 5   | 3.242           | 38.33          | 10.30       | 56.00        | -17.67          | Peak     | N    | Pass    |
| 5** | 3.242           | 26.22          | 10.30       | 46.00        | -19.78          | AV       | N    | Pass    |
| 6   | 5.658           | 37.88          | 10.31       | 60.00        | -22.12          | Peak     | N    | Pass    |
| 6** | 5.658           | 25.89          | 10.31       | 50.00        | -24.11          | AV       | N    | Pass    |

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

### Test Data

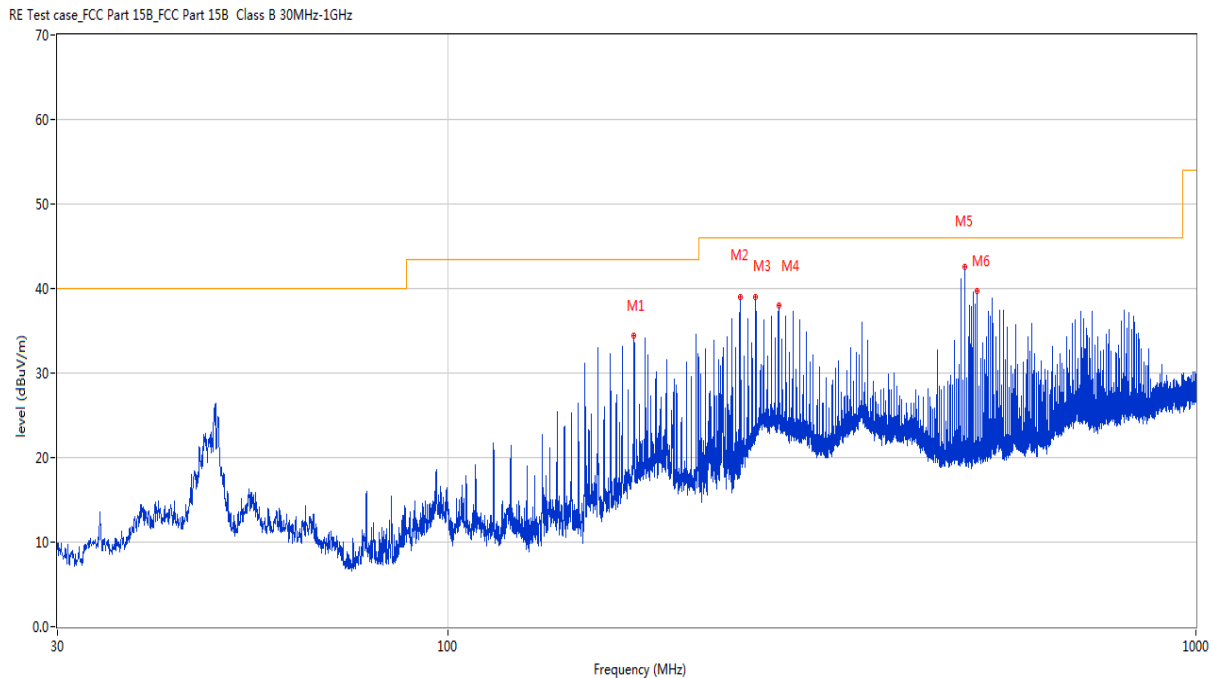
Note<sup>1</sup>: The symbol of “--” in the table which means not application.

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.

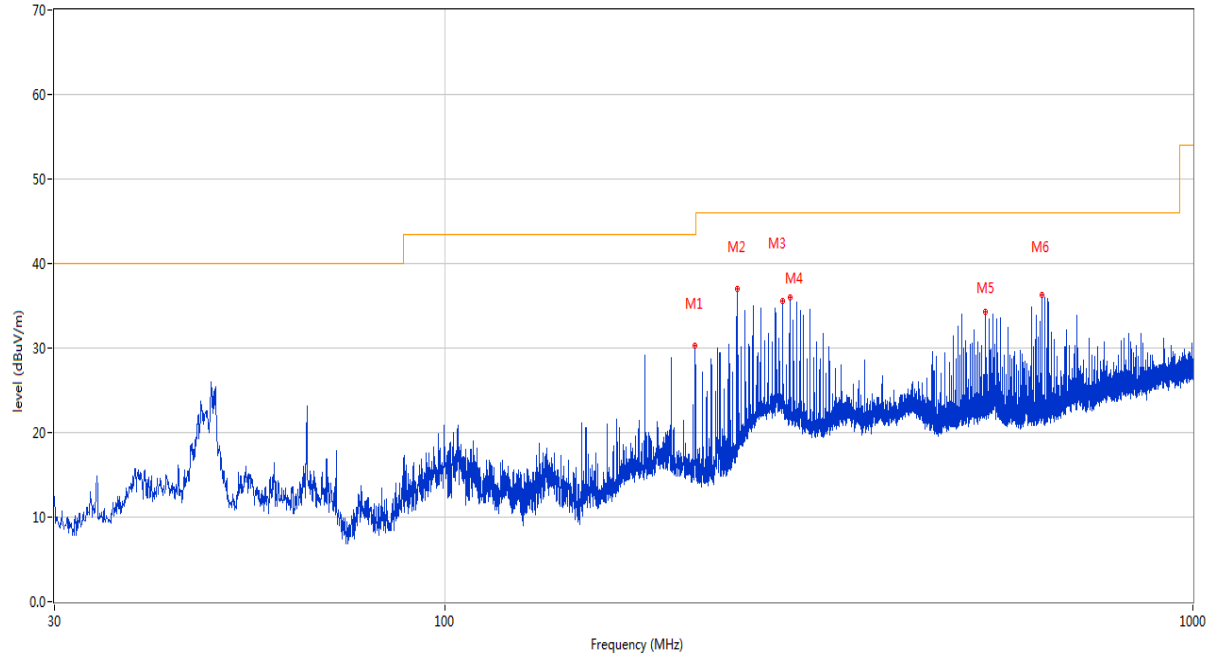
### 30 MHz to 1 GHz, ANT H



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 177.197         | 34.48            | -26.24      | 43.5           | -9.02           | Peak     | 226.00         | 200         | Horizontal | Pass    |
| 2   | 245.583         | 38.96            | -23.02      | 46.0           | -7.04           | Peak     | 93.80          | 100         | Horizontal | Pass    |
| 3   | 257.853         | 39.07            | -22.75      | 46.0           | -6.93           | Peak     | 266.50         | 100         | Horizontal | Pass    |
| 4   | 276.526         | 38.00            | -21.96      | 46.0           | -8.00           | Peak     | 119.10         | 100         | Horizontal | Pass    |
| 5   | 490.992         | 42.64            | -17.06      | 46.0           | -3.36           | Peak     | 213.00         | 200         | Horizontal | Pass    |
| 6   | 509.762         | 39.72            | -16.46      | 46.0           | -6.28           | Peak     | 200.00         | 200         | Horizontal | Pass    |

## 30 MHz to 1 GHz, ANT V

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 215.900         | 30.31            | -23.90      | 43.5           | -13.19          | Peak     | 193.60         | 200         | Vertical | Pass    |
| 2   | 245.534         | 36.96            | -23.01      | 46.0           | -9.04           | Peak     | 189.40         | 200         | Vertical | Pass    |
| 3   | 282.782         | 35.54            | -21.81      | 46.0           | -10.46          | Peak     | 176.50         | 200         | Vertical | Pass    |
| 4   | 288.893         | 35.96            | -21.93      | 46.0           | -10.04          | Peak     | 244.50         | 200         | Vertical | Pass    |
| 5   | 528.289         | 34.34            | -15.94      | 46.0           | -11.66          | Peak     | 113.00         | 200         | Vertical | Pass    |
| 6   | 627.569         | 36.28            | -14.00      | 46.0           | -9.72           | Peak     | 358.10         | 100         | Vertical | Pass    |

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

### Main Antenna

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1553.700        | 38.02            | -17.54      | 74.0           | -35.98          | Peak     | 142.00         | 150         | Horizontal | Pass    |
| 1** | 1553.700        | 27.32            | -17.54      | 54.0           | -26.68          | AV       | 142.00         | 150         | Horizontal | Pass    |
| 2   | 2752.400        | 42.31            | -10.84      | 74.0           | -31.69          | Peak     | 224.00         | 150         | Horizontal | Pass    |
| 2** | 2752.400        | 33.68            | -10.84      | 54.0           | -20.32          | AV       | 224.00         | 150         | Horizontal | Pass    |
| 3   | 3924.200        | 46.24            | -5.38       | 74.0           | -27.76          | Peak     | 250.00         | 150         | Horizontal | Pass    |
| 3** | 3924.200        | 37.90            | -5.38       | 54.0           | -16.10          | AV       | 250.00         | 150         | Horizontal | Pass    |
| 4   | 5179.200        | 101.04           | -2.68       | --             | --              | Peak     | 348.00         | 150         | Horizontal | N/A     |
| 4** | 5179.200        | 93.37            | -2.68       | --             | --              | AV       | 348.00         | 150         | Horizontal | N/A     |
| 5   | 11440.725       | 50.30            | -0.07       | 74.0           | -23.70          | Peak     | 293.00         | 150         | Horizontal | Pass    |
| 5** | 11440.725       | 40.71            | -0.07       | 54.0           | -13.29          | AV       | 293.00         | 150         | Horizontal | Pass    |
| 6   | 15618.338       | 53.71            | 1.58        | 74.0           | -20.29          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15618.338       | 43.67            | 1.58        | 54.0           | -10.33          | AV       | 360.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.000        | 36.51            | -18.38      | 74.0           | -37.49          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 1** | 1065.000        | 25.07            | -18.38      | 54.0           | -28.93          | AV       | 292.00         | 150         | Vertical | Pass    |
| 2   | 2823.200        | 42.74            | -10.28      | 74.0           | -31.26          | Peak     | 30.00          | 150         | Vertical | Pass    |
| 2** | 2823.200        | 33.46            | -10.28      | 54.0           | -20.54          | AV       | 30.00          | 150         | Vertical | Pass    |
| 3   | 4035.800        | 46.66            | -4.83       | 74.0           | -27.34          | Peak     | 272.00         | 150         | Vertical | Pass    |
| 3** | 4035.800        | 36.95            | -4.83       | 54.0           | -17.05          | AV       | 272.00         | 150         | Vertical | Pass    |
| 4   | 5173.600        | 92.28            | -2.89       | --             | --              | Peak     | 172.00         | 150         | Vertical | N/A     |
| 4** | 5173.600        | 85.23            | -2.89       | --             | --              | AV       | 172.00         | 150         | Vertical | N/A     |
| 5   | 11758.412       | 49.85            | 1.17        | 74.0           | -24.15          | Peak     | 233.00         | 150         | Vertical | Pass    |
| 5** | 11758.412       | 41.37            | 1.17        | 54.0           | -12.63          | AV       | 233.00         | 150         | Vertical | Pass    |
| 6   | 15901.838       | 53.51            | 0.30        | 74.0           | -20.49          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15901.838       | 43.86            | 0.30        | 54.0           | -10.14          | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.300        | 38.06            | -18.39      | 74.0           | -35.94          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1065.300        | 29.87            | -18.39      | 54.0           | -24.13          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2843.300        | 43.57            | -10.28      | 74.0           | -30.43          | Peak     | 217.00         | 150         | Horizontal | Pass    |
| 2** | 2843.300        | 33.17            | -10.28      | 54.0           | -20.83          | AV       | 217.00         | 150         | Horizontal | Pass    |
| 3   | 4006.000        | 46.87            | -5.12       | 74.0           | -27.13          | Peak     | 274.00         | 150         | Horizontal | Pass    |
| 3** | 4006.000        | 37.32            | -5.12       | 54.0           | -16.68          | AV       | 274.00         | 150         | Horizontal | Pass    |
| 4   | 5213.400        | 100.85           | -2.85       | --             | --              | Peak     | 312.00         | 150         | Horizontal | N/A     |
| 4** | 5213.400        | 94.57            | -2.85       | --             | --              | AV       | 312.00         | 150         | Horizontal | N/A     |
| 5   | 11951.901       | 50.32            | 1.31        | 74.0           | -23.68          | Peak     | 203.00         | 150         | Horizontal | Pass    |
| 5** | 11951.901       | 40.61            | 1.31        | 54.0           | -13.39          | AV       | 203.00         | 150         | Horizontal | Pass    |
| 6   | 15796.050       | 53.90            | 2.20        | 74.0           | -20.10          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15796.050       | 44.90            | 2.20        | 54.0           | -9.10           | AV       | 360.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1155.000        | 37.00            | -18.06      | 74.0           | -37.00          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1155.000        | 26.38            | -18.06      | 54.0           | -27.62          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2812.600        | 42.57            | -10.09      | 74.0           | -31.43          | Peak     | 308.00         | 150         | Vertical | Pass    |
| 2** | 2812.600        | 33.64            | -10.09      | 54.0           | -20.36          | AV       | 308.00         | 150         | Vertical | Pass    |
| 3   | 4068.400        | 46.97            | -5.46       | 74.0           | -27.03          | Peak     | 70.00          | 150         | Vertical | Pass    |
| 3** | 4068.400        | 37.96            | -5.46       | 54.0           | -16.04          | AV       | 70.00          | 150         | Vertical | Pass    |
| 4   | 5214.800        | 92.53            | -2.83       | --             | --              | Peak     | 176.00         | 150         | Vertical | N/A     |
| 4** | 5214.800        | 86.08            | -2.83       | --             | --              | AV       | 176.00         | 150         | Vertical | N/A     |
| 5   | 11768.188       | 50.50            | 1.29        | 74.0           | -23.50          | Peak     | 165.00         | 150         | Vertical | Pass    |
| 5** | 11768.188       | 40.24            | 1.29        | 54.0           | -13.76          | AV       | 165.00         | 150         | Vertical | Pass    |
| 6   | 15796.050       | 53.79            | 2.20        | 74.0           | -20.21          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15796.050       | 45.94            | 2.20        | 54.0           | -8.06           | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.100        | 39.08            | -18.40      | 74.0           | -34.92          | Peak     | 298.00         | 150         | Horizontal | Pass    |
| 1** | 1064.100        | 29.51            | -18.40      | 54.0           | -24.49          | AV       | 298.00         | 150         | Horizontal | Pass    |
| 2   | 2778.700        | 42.27            | -10.42      | 74.0           | -31.73          | Peak     | 213.00         | 150         | Horizontal | Pass    |
| 2** | 2778.700        | 32.94            | -10.42      | 54.0           | -21.06          | AV       | 213.00         | 150         | Horizontal | Pass    |
| 3   | 4037.800        | 47.27            | -4.75       | 74.0           | -26.73          | Peak     | 183.00         | 150         | Horizontal | Pass    |
| 3** | 4037.800        | 38.69            | -4.75       | 54.0           | -15.31          | AV       | 183.00         | 150         | Horizontal | Pass    |
| 4   | 5245.400        | 101.02           | -2.66       | --             | --              | Peak     | 331.00         | 150         | Horizontal | N/A     |
| 4** | 5245.400        | 95.13            | -2.66       | --             | --              | AV       | 331.00         | 150         | Horizontal | N/A     |
| 5   | 11665.838       | 49.50            | 0.18        | 74.0           | -24.50          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 11665.838       | 40.84            | 0.18        | 54.0           | -13.16          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15805.237       | 53.69            | 2.27        | 74.0           | -20.31          | Peak     | 116.00         | 150         | Horizontal | Pass    |
| 6** | 15805.237       | 45.52            | 2.27        | 54.0           | -8.48           | AV       | 116.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.600        | 37.08            | -18.40      | 74.0           | -36.92          | Peak     | 356.00         | 150         | Vertical | Pass    |
| 1** | 1065.600        | 28.98            | -18.40      | 54.0           | -25.02          | AV       | 356.00         | 150         | Vertical | Pass    |
| 2   | 2797.300        | 42.95            | -10.61      | 74.0           | -31.05          | Peak     | 31.00          | 150         | Vertical | Pass    |
| 2** | 2797.300        | 32.83            | -10.61      | 54.0           | -21.17          | AV       | 31.00          | 150         | Vertical | Pass    |
| 3   | 3801.800        | 46.56            | -5.51       | 74.0           | -27.44          | Peak     | 259.00         | 150         | Vertical | Pass    |
| 3** | 3801.800        | 36.72            | -5.51       | 54.0           | -17.28          | AV       | 259.00         | 150         | Vertical | Pass    |
| 4   | 5245.800        | 93.27            | -2.68       | --             | --              | Peak     | 247.00         | 150         | Vertical | N/A     |
| 4** | 5245.800        | 87.41            | -2.68       | --             | --              | AV       | 247.00         | 150         | Vertical | N/A     |
| 5   | 11553.138       | 49.60            | -0.43       | 74.0           | -24.40          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 5** | 11553.138       | 41.95            | -0.43       | 54.0           | -12.05          | AV       | 111.00         | 150         | Vertical | Pass    |
| 6   | 15802.087       | 53.47            | 2.31        | 74.0           | -20.53          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15802.087       | 45.48            | 2.31        | 54.0           | -8.52           | AV       | 360.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1066.700        | 38.14            | -18.44      | 74.0           | -35.86          | Peak     | 352.00         | 150         | Horizontal | Pass    |
| 1** | 1066.700        | 27.78            | -18.44      | 54.0           | -26.22          | AV       | 352.00         | 150         | Horizontal | Pass    |
| 2   | 2834.500        | 42.74            | -10.38      | 74.0           | -31.26          | Peak     | 90.00          | 150         | Horizontal | Pass    |
| 2** | 2834.500        | 33.13            | -10.38      | 54.0           | -20.87          | AV       | 90.00          | 150         | Horizontal | Pass    |
| 3   | 4161.200        | 47.10            | -4.93       | 74.0           | -26.90          | Peak     | 66.00          | 150         | Horizontal | Pass    |
| 3** | 4161.200        | 38.10            | -4.93       | 54.0           | -15.90          | AV       | 66.00          | 150         | Horizontal | Pass    |
| 4   | 5185.800        | 100.03           | -2.82       | --             | --              | Peak     | 343.00         | 150         | Horizontal | N/A     |
| 4** | 5185.800        | 93.38            | -2.82       | --             | --              | AV       | 343.00         | 150         | Horizontal | N/A     |
| 5   | 11824.538       | 49.67            | 1.13        | 74.0           | -24.33          | Peak     | 26.00          | 150         | Horizontal | Pass    |
| 5** | 11824.538       | 40.70            | 1.13        | 54.0           | -13.30          | AV       | 26.00          | 150         | Horizontal | Pass    |
| 6   | 15795.000       | 53.75            | 2.17        | 74.0           | -20.25          | Peak     | 195.00         | 150         | Horizontal | Pass    |
| 6** | 15795.000       | 46.00            | 2.17        | 54.0           | -8.00           | AV       | 195.00         | 150         | Horizontal | Pass    |

## 11n20, Band 1, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.400        | 36.54            | -18.39      | 74.0           | -37.46          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1064.400        | 29.38            | -18.39      | 54.0           | -24.62          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2757.600        | 43.17            | -10.85      | 74.0           | -30.83          | Peak     | 277.00         | 150         | Vertical | Pass    |
| 2** | 2757.600        | 32.69            | -10.85      | 54.0           | -21.31          | AV       | 277.00         | 150         | Vertical | Pass    |
| 3   | 4227.800        | 47.52            | -4.63       | 74.0           | -26.48          | Peak     | 29.00          | 150         | Vertical | Pass    |
| 3** | 4227.800        | 37.78            | -4.63       | 54.0           | -16.22          | AV       | 29.00          | 150         | Vertical | Pass    |
| 4   | 5185.600        | 91.99            | -2.84       | --             | --              | Peak     | 245.00         | 150         | Vertical | N/A     |
| 4** | 5185.600        | 84.86            | -2.84       | --             | --              | AV       | 245.00         | 150         | Vertical | N/A     |
| 5   | 12277.925       | 50.58            | 1.73        | 74.0           | -23.42          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12277.925       | 41.24            | 1.73        | 54.0           | -12.76          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15801.037       | 53.67            | 2.32        | 74.0           | -20.33          | Peak     | 34.00          | 150         | Vertical | Pass    |
| 6** | 15801.037       | 45.54            | 2.32        | 54.0           | -8.46           | AV       | 34.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1061.600        | 37.78            | -18.41      | 74.0           | -36.22          | Peak     | 288.00         | 150         | Horizontal | Pass    |
| 1** | 1061.600        | 27.39            | -18.41      | 54.0           | -26.61          | AV       | 288.00         | 150         | Horizontal | Pass    |
| 2   | 2778.400        | 43.33            | -10.42      | 74.0           | -30.67          | Peak     | 46.00          | 150         | Horizontal | Pass    |
| 2** | 2778.400        | 33.83            | -10.42      | 54.0           | -20.17          | AV       | 46.00          | 150         | Horizontal | Pass    |
| 3   | 4056.800        | 46.28            | -4.88       | 74.0           | -27.72          | Peak     | 245.00         | 150         | Horizontal | Pass    |
| 3** | 4056.800        | 37.93            | -4.88       | 54.0           | -16.07          | AV       | 245.00         | 150         | Horizontal | Pass    |
| 4   | 5225.200        | 100.78           | -3.06       | --             | --              | Peak     | 346.00         | 150         | Horizontal | N/A     |
| 4** | 5225.200        | 93.47            | -3.06       | --             | --              | AV       | 346.00         | 150         | Horizontal | N/A     |
| 5   | 11671.588       | 50.76            | 0.24        | 74.0           | -23.24          | Peak     | 337.00         | 150         | Horizontal | Pass    |
| 5** | 11671.588       | 40.76            | 0.24        | 54.0           | -13.24          | AV       | 337.00         | 150         | Horizontal | Pass    |
| 6   | 15524.362       | 53.34            | 1.39        | 74.0           | -20.66          | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 6** | 15524.362       | 44.07            | 1.39        | 54.0           | -9.93           | AV       | 166.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.600        | 38.14            | -18.40      | 74.0           | -35.86          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1065.600        | 27.93            | -18.40      | 54.0           | -26.07          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2817.100        | 43.27            | -10.19      | 74.0           | -30.73          | Peak     | 240.00         | 150         | Vertical | Pass    |
| 2** | 2817.100        | 33.62            | -10.19      | 54.0           | -20.38          | AV       | 240.00         | 150         | Vertical | Pass    |
| 3   | 4187.200        | 47.23            | -4.95       | 74.0           | -26.77          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4187.200        | 37.19            | -4.95       | 54.0           | -16.81          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5223.600        | 91.20            | -3.01       | --             | --              | Peak     | 247.00         | 150         | Vertical | N/A     |
| 4** | 5223.600        | 85.04            | -3.01       | --             | --              | AV       | 247.00         | 150         | Vertical | N/A     |
| 5   | 12088.175       | 49.92            | 0.53        | 74.0           | -24.08          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 12088.175       | 41.52            | 0.53        | 54.0           | -12.48          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15844.350       | 53.06            | 1.38        | 74.0           | -20.94          | Peak     | 318.00         | 150         | Vertical | Pass    |
| 6** | 15844.350       | 44.09            | 1.38        | 54.0           | -9.91           | AV       | 318.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.200        | 37.54            | -18.42      | 74.0           | -36.46          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 1** | 1063.200        | 30.23            | -18.42      | 54.0           | -23.77          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 2   | 2808.500        | 42.13            | -10.29      | 74.0           | -31.87          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 2** | 2808.500        | 33.93            | -10.29      | 54.0           | -20.07          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 3   | 3831.400        | 46.66            | -4.93       | 74.0           | -27.34          | Peak     | 132.00         | 150         | Horizontal | Pass    |
| 3** | 3831.400        | 36.90            | -4.93       | 54.0           | -17.10          | AV       | 132.00         | 150         | Horizontal | Pass    |
| 4   | 5245.400        | 100.46           | -2.66       | --             | --              | Peak     | 300.00         | 150         | Horizontal | N/A     |
| 4** | 5245.400        | 94.43            | -2.66       | --             | --              | AV       | 300.00         | 150         | Horizontal | N/A     |
| 5   | 11922.288       | 50.12            | 1.51        | 74.0           | -23.88          | Peak     | 43.00          | 150         | Horizontal | Pass    |
| 5** | 11922.288       | 41.17            | 1.51        | 54.0           | -12.83          | AV       | 43.00          | 150         | Horizontal | Pass    |
| 6   | 15787.650       | 52.91            | 1.91        | 74.0           | -21.09          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15787.650       | 44.89            | 1.91        | 54.0           | -9.11           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11n20, Band 1, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.200        | 36.53            | -18.42      | 74.0           | -37.47          | Peak     | 284.00         | 150         | Vertical | Pass    |
| 1** | 1063.200        | 27.59            | -18.42      | 54.0           | -26.41          | AV       | 284.00         | 150         | Vertical | Pass    |
| 2   | 2799.700        | 42.58            | -10.56      | 74.0           | -31.42          | Peak     | 35.00          | 150         | Vertical | Pass    |
| 2** | 2799.700        | 34.37            | -10.56      | 54.0           | -19.63          | AV       | 35.00          | 150         | Vertical | Pass    |
| 3   | 3961.200        | 46.53            | -4.81       | 74.0           | -27.47          | Peak     | 131.00         | 150         | Vertical | Pass    |
| 3** | 3961.200        | 38.35            | -4.81       | 54.0           | -15.65          | AV       | 131.00         | 150         | Vertical | Pass    |
| 4   | 5238.200        | 92.37            | -2.74       | --             | --              | Peak     | 165.00         | 150         | Vertical | N/A     |
| 4** | 5238.200        | 85.59            | -2.74       | --             | --              | AV       | 165.00         | 150         | Vertical | N/A     |
| 5   | 11045.987       | 50.28            | -0.61       | 74.0           | -23.72          | Peak     | 240.00         | 150         | Vertical | Pass    |
| 5** | 11045.987       | 39.59            | -0.61       | 54.0           | -14.41          | AV       | 240.00         | 150         | Vertical | Pass    |
| 6   | 15783.975       | 53.04            | 1.75        | 74.0           | -20.96          | Peak     | 315.00         | 150         | Vertical | Pass    |
| 6** | 15783.975       | 44.29            | 1.75        | 54.0           | -9.71           | AV       | 315.00         | 150         | Vertical | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.700        | 39.17            | -18.38      | 74.0           | -34.83          | Peak     | 337.00         | 150         | Horizontal | Pass    |
| 1** | 1064.700        | 28.98            | -18.38      | 54.0           | -25.02          | AV       | 337.00         | 150         | Horizontal | Pass    |
| 2   | 2821.100        | 42.54            | -10.21      | 74.0           | -31.46          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 2** | 2821.100        | 33.21            | -10.21      | 54.0           | -20.79          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 3   | 4013.400        | 46.43            | -5.19       | 74.0           | -27.57          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4013.400        | 37.59            | -5.19       | 54.0           | -16.41          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5191.600        | 99.28            | -2.64       | --             | --              | Peak     | 354.00         | 150         | Horizontal | N/A     |
| 4** | 5191.600        | 92.40            | -2.64       | --             | --              | AV       | 354.00         | 150         | Horizontal | N/A     |
| 5   | 11425.487       | 49.89            | -0.09       | 74.0           | -24.11          | Peak     | 60.00          | 150         | Horizontal | Pass    |
| 5** | 11425.487       | 40.16            | -0.09       | 54.0           | -13.84          | AV       | 60.00          | 150         | Horizontal | Pass    |
| 6   | 15787.125       | 54.45            | 1.89        | 74.0           | -19.55          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 6** | 15787.125       | 44.63            | 1.89        | 54.0           | -9.37           | AV       | 119.00         | 150         | Horizontal | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.700        | 36.80            | -18.38      | 74.0           | -37.20          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1064.700        | 28.67            | -18.38      | 54.0           | -25.33          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2788.400        | 42.93            | -10.57      | 74.0           | -31.07          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2788.400        | 33.63            | -10.57      | 54.0           | -20.37          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4058.600        | 46.66            | -4.89       | 74.0           | -27.34          | Peak     | 163.00         | 150         | Vertical | Pass    |
| 3** | 4058.600        | 38.26            | -4.89       | 54.0           | -15.74          | AV       | 163.00         | 150         | Vertical | Pass    |
| 4   | 5191.200        | 92.27            | -2.64       | --             | --              | Peak     | 247.00         | 150         | Vertical | N/A     |
| 4** | 5191.200        | 85.57            | -2.64       | --             | --              | AV       | 247.00         | 150         | Vertical | N/A     |
| 5   | 12408.450       | 51.51            | 1.45        | 74.0           | -22.49          | Peak     | 159.00         | 150         | Vertical | Pass    |
| 5** | 12408.450       | 42.15            | 1.45        | 54.0           | -11.85          | AV       | 159.00         | 150         | Vertical | Pass    |
| 6   | 15621.750       | 53.35            | 1.66        | 74.0           | -20.65          | Peak     | 75.00          | 150         | Vertical | Pass    |
| 6** | 15621.750       | 45.53            | 1.66        | 54.0           | -8.47           | AV       | 75.00          | 150         | Vertical | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.100        | 38.87            | -18.40      | 74.0           | -35.13          | Peak     | 350.00         | 150         | Horizontal | Pass    |
| 1** | 1064.100        | 27.91            | -18.40      | 54.0           | -26.09          | AV       | 350.00         | 150         | Horizontal | Pass    |
| 2   | 2817.000        | 42.54            | -10.19      | 74.0           | -31.46          | Peak     | 66.00          | 150         | Horizontal | Pass    |
| 2** | 2817.000        | 32.77            | -10.19      | 54.0           | -21.23          | AV       | 66.00          | 150         | Horizontal | Pass    |
| 3   | 4072.000        | 46.23            | -5.44       | 74.0           | -27.77          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4072.000        | 38.08            | -5.44       | 54.0           | -15.92          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5223.800        | 100.17           | -3.01       | --             | --              | Peak     | 351.00         | 150         | Horizontal | N/A     |
| 4** | 5223.800        | 93.10            | -3.01       | --             | --              | AV       | 351.00         | 150         | Horizontal | N/A     |
| 5   | 12281.088       | 50.39            | 1.80        | 74.0           | -23.61          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12281.088       | 41.98            | 1.80        | 54.0           | -12.02          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15640.651       | 53.64            | 1.34        | 74.0           | -20.36          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15640.651       | 44.76            | 1.34        | 54.0           | -9.24           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.700        | 37.38            | -18.41      | 74.0           | -36.62          | Peak     | 199.00         | 150         | Vertical | Pass    |
| 1** | 1063.700        | 27.67            | -18.41      | 54.0           | -26.33          | AV       | 199.00         | 150         | Vertical | Pass    |
| 2   | 2826.800        | 42.53            | -10.27      | 74.0           | -31.47          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 2** | 2826.800        | 32.94            | -10.27      | 54.0           | -21.06          | AV       | 185.00         | 150         | Vertical | Pass    |
| 3   | 4009.000        | 46.71            | -5.23       | 74.0           | -27.29          | Peak     | 64.00          | 150         | Vertical | Pass    |
| 3** | 4009.000        | 37.42            | -5.23       | 54.0           | -16.58          | AV       | 64.00          | 150         | Vertical | Pass    |
| 4   | 5228.200        | 93.88            | -2.96       | --             | --              | Peak     | 166.00         | 150         | Vertical | N/A     |
| 4** | 5228.200        | 85.73            | -2.96       | --             | --              | AV       | 166.00         | 150         | Vertical | N/A     |
| 5   | 11426.350       | 49.72            | -0.09       | 74.0           | -24.28          | Peak     | 163.00         | 150         | Vertical | Pass    |
| 5** | 11426.350       | 40.60            | -0.09       | 54.0           | -13.40          | AV       | 163.00         | 150         | Vertical | Pass    |
| 6   | 15792.900       | 53.54            | 2.10        | 74.0           | -20.46          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15792.900       | 45.28            | 2.10        | 54.0           | -8.72           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.600        | 39.81            | -18.38      | 74.0           | -34.19          | Peak     | 296.00         | 150         | Horizontal | Pass    |
| 1** | 1064.600        | 29.23            | -18.38      | 54.0           | -24.77          | AV       | 296.00         | 150         | Horizontal | Pass    |
| 2   | 2781.100        | 42.17            | -10.40      | 74.0           | -31.83          | Peak     | 331.00         | 150         | Horizontal | Pass    |
| 2** | 2781.100        | 33.49            | -10.40      | 54.0           | -20.51          | AV       | 331.00         | 150         | Horizontal | Pass    |
| 3   | 4067.000        | 47.23            | -5.47       | 74.0           | -26.77          | Peak     | 348.00         | 150         | Horizontal | Pass    |
| 3** | 4067.000        | 37.22            | -5.47       | 54.0           | -16.78          | AV       | 348.00         | 150         | Horizontal | Pass    |
| 4   | 5175.800        | 98.67            | -2.85       | --             | --              | Peak     | 314.00         | 150         | Horizontal | N/A     |
| 4** | 5175.800        | 91.80            | -2.85       | --             | --              | AV       | 314.00         | 150         | Horizontal | N/A     |
| 5   | 11354.762       | 49.87            | -0.15       | 74.0           | -24.13          | Peak     | 286.00         | 150         | Horizontal | Pass    |
| 5** | 11354.762       | 40.91            | -0.15       | 54.0           | -13.09          | AV       | 286.00         | 150         | Horizontal | Pass    |
| 6   | 15876.375       | 53.48            | 0.36        | 74.0           | -20.52          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 6** | 15876.375       | 43.54            | 0.36        | 54.0           | -10.46          | AV       | 294.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.800        | 38.81            | -18.43      | 74.0           | -35.19          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 1** | 1062.800        | 26.17            | -18.43      | 54.0           | -27.83          | AV       | 186.00         | 150         | Vertical | Pass    |
| 2   | 2838.500        | 42.39            | -10.29      | 74.0           | -31.61          | Peak     | 73.00          | 150         | Vertical | Pass    |
| 2** | 2838.500        | 33.82            | -10.29      | 54.0           | -20.18          | AV       | 73.00          | 150         | Vertical | Pass    |
| 3   | 4057.400        | 46.59            | -4.88       | 74.0           | -27.41          | Peak     | 295.00         | 150         | Vertical | Pass    |
| 3** | 4057.400        | 37.70            | -4.88       | 54.0           | -16.30          | AV       | 295.00         | 150         | Vertical | Pass    |
| 4   | 5174.200        | 90.85            | -2.91       | --             | --              | Peak     | 172.00         | 150         | Vertical | N/A     |
| 4** | 5174.200        | 85.36            | -2.91       | --             | --              | AV       | 172.00         | 150         | Vertical | N/A     |
| 5   | 12088.175       | 50.01            | 0.53        | 74.0           | -23.99          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12088.175       | 40.17            | 0.53        | 54.0           | -13.83          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15763.500       | 53.44            | 0.96        | 74.0           | -20.56          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15763.500       | 43.18            | 0.96        | 54.0           | -10.82          | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.800        | 38.73            | -18.41      | 74.0           | -35.27          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 1** | 1063.800        | 27.16            | -18.41      | 54.0           | -26.84          | AV       | 283.00         | 150         | Horizontal | Pass    |
| 2   | 2816.100        | 42.41            | -10.15      | 74.0           | -31.59          | Peak     | 102.00         | 150         | Horizontal | Pass    |
| 2** | 2816.100        | 34.00            | -10.15      | 54.0           | -20.00          | AV       | 102.00         | 150         | Horizontal | Pass    |
| 3   | 4122.800        | 46.45            | -5.52       | 74.0           | -27.55          | Peak     | 102.00         | 150         | Horizontal | Pass    |
| 3** | 4122.800        | 37.15            | -5.52       | 54.0           | -16.85          | AV       | 102.00         | 150         | Horizontal | Pass    |
| 4   | 5225.600        | 98.98            | -3.06       | --             | --              | Peak     | 354.00         | 150         | Horizontal | N/A     |
| 4** | 5225.600        | 93.63            | -3.06       | --             | --              | AV       | 354.00         | 150         | Horizontal | N/A     |
| 5   | 12276.487       | 50.82            | 1.67        | 74.0           | -23.18          | Peak     | 79.00          | 150         | Horizontal | Pass    |
| 5** | 12276.487       | 41.04            | 1.67        | 54.0           | -12.96          | AV       | 79.00          | 150         | Horizontal | Pass    |
| 6   | 15846.974       | 53.27            | 1.35        | 74.0           | -20.73          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15846.974       | 44.38            | 1.35        | 54.0           | -9.62           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.400        | 37.72            | -18.43      | 74.0           | -36.28          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1066.400        | 29.18            | -18.43      | 54.0           | -24.82          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2748.900        | 42.78            | -10.84      | 74.0           | -31.22          | Peak     | 285.00         | 150         | Vertical | Pass    |
| 2** | 2748.900        | 33.12            | -10.84      | 54.0           | -20.88          | AV       | 285.00         | 150         | Vertical | Pass    |
| 3   | 4025.000        | 46.43            | -5.10       | 74.0           | -27.57          | Peak     | 13.00          | 150         | Vertical | Pass    |
| 3** | 4025.000        | 37.48            | -5.10       | 54.0           | -16.52          | AV       | 13.00          | 150         | Vertical | Pass    |
| 4   | 5225.800        | 90.95            | -3.05       | --             | --              | Peak     | 245.00         | 150         | Vertical | N/A     |
| 4** | 5225.800        | 84.78            | -3.05       | --             | --              | AV       | 245.00         | 150         | Vertical | N/A     |
| 5   | 12152.863       | 50.01            | 0.48        | 74.0           | -23.99          | Peak     | 226.00         | 150         | Vertical | Pass    |
| 5** | 12152.863       | 41.10            | 0.48        | 54.0           | -12.90          | AV       | 226.00         | 150         | Vertical | Pass    |
| 6   | 15516.225       | 54.39            | 1.39        | 74.0           | -19.61          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15516.225       | 43.91            | 1.39        | 54.0           | -10.09          | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.300        | 38.46            | -18.42      | 74.0           | -35.54          | Peak     | 284.00         | 150         | Horizontal | Pass    |
| 1** | 1062.300        | 32.23            | -18.42      | 54.0           | -21.77          | AV       | 284.00         | 150         | Horizontal | Pass    |
| 2   | 2807.700        | 42.90            | -10.30      | 74.0           | -31.10          | Peak     | 100.00         | 150         | Horizontal | Pass    |
| 2** | 2807.700        | 33.68            | -10.30      | 54.0           | -20.32          | AV       | 100.00         | 150         | Horizontal | Pass    |
| 3   | 4197.600        | 47.53            | -4.90       | 74.0           | -26.47          | Peak     | 87.00          | 150         | Horizontal | Pass    |
| 3** | 4197.600        | 37.75            | -4.90       | 54.0           | -16.25          | AV       | 87.00          | 150         | Horizontal | Pass    |
| 4   | 5245.200        | 98.99            | -2.66       | --             | --              | Peak     | 327.00         | 150         | Horizontal | N/A     |
| 4** | 5245.200        | 93.81            | -2.66       | --             | --              | AV       | 327.00         | 150         | Horizontal | N/A     |
| 5   | 11957.075       | 50.10            | 1.06        | 74.0           | -23.90          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 11957.075       | 41.23            | 1.06        | 54.0           | -12.77          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15804.713       | 54.24            | 2.27        | 74.0           | -19.76          | Peak     | 209.00         | 150         | Horizontal | Pass    |
| 6** | 15804.713       | 45.11            | 2.27        | 54.0           | -8.89           | AV       | 209.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.800        | 38.21            | -18.41      | 74.0           | -35.79          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1065.800        | 27.72            | -18.41      | 54.0           | -26.28          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2800.200        | 43.01            | -10.55      | 74.0           | -30.99          | Peak     | 58.00          | 150         | Vertical | Pass    |
| 2** | 2800.200        | 33.46            | -10.55      | 54.0           | -20.54          | AV       | 58.00          | 150         | Vertical | Pass    |
| 3   | 4157.400        | 46.76            | -4.96       | 74.0           | -27.24          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4157.400        | 37.57            | -4.96       | 54.0           | -16.43          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5247.800        | 91.64            | -2.68       | --             | --              | Peak     | 252.00         | 150         | Vertical | N/A     |
| 4** | 5247.800        | 85.27            | -2.68       | --             | --              | AV       | 252.00         | 150         | Vertical | N/A     |
| 5   | 12365.901       | 49.86            | 1.21        | 74.0           | -24.14          | Peak     | 213.00         | 150         | Vertical | Pass    |
| 5** | 12365.901       | 41.41            | 1.21        | 54.0           | -12.59          | AV       | 213.00         | 150         | Vertical | Pass    |
| 6   | 15849.338       | 53.18            | 1.34        | 74.0           | -20.82          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15849.338       | 44.72            | 1.34        | 54.0           | -9.28           | AV       | 0.00           | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.500        | 39.34            | -18.41      | 74.0           | -34.66          | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 1** | 1063.500        | 30.14            | -18.41      | 54.0           | -23.86          | AV       | 344.00         | 150         | Horizontal | Pass    |
| 2   | 2727.700        | 42.89            | -11.03      | 74.0           | -31.11          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 2** | 2727.700        | 32.84            | -11.03      | 54.0           | -21.16          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 3   | 4059.600        | 46.88            | -4.95       | 74.0           | -27.12          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 4059.600        | 37.91            | -4.95       | 54.0           | -16.09          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5192.600        | 99.19            | -2.71       | --             | --              | Peak     | 352.00         | 150         | Horizontal | N/A     |
| 4** | 5192.600        | 93.45            | -2.71       | --             | --              | AV       | 352.00         | 150         | Horizontal | N/A     |
| 5   | 11060.938       | 49.54            | -0.90       | 74.0           | -24.46          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11060.938       | 40.57            | -0.90       | 54.0           | -13.43          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15709.688       | 53.16            | 0.60        | 74.0           | -20.84          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 6** | 15709.688       | 44.53            | 0.60        | 54.0           | -9.47           | AV       | 168.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.900        | 36.64            | -18.43      | 74.0           | -37.36          | Peak     | 236.00         | 150         | Vertical | Pass    |
| 1** | 1062.900        | 25.80            | -18.43      | 54.0           | -28.20          | AV       | 236.00         | 150         | Vertical | Pass    |
| 2   | 2777.400        | 42.26            | -10.42      | 74.0           | -31.74          | Peak     | 164.00         | 150         | Vertical | Pass    |
| 2** | 2777.400        | 33.68            | -10.42      | 54.0           | -20.32          | AV       | 164.00         | 150         | Vertical | Pass    |
| 3   | 4035.800        | 46.62            | -4.83       | 74.0           | -27.38          | Peak     | 15.00          | 150         | Vertical | Pass    |
| 3** | 4035.800        | 36.98            | -4.83       | 54.0           | -17.02          | AV       | 15.00          | 150         | Vertical | Pass    |
| 4   | 5192.400        | 91.36            | -2.70       | --             | --              | Peak     | 250.00         | 150         | Vertical | N/A     |
| 4** | 5192.400        | 84.67            | -2.70       | --             | --              | AV       | 250.00         | 150         | Vertical | N/A     |
| 5   | 12399.537       | 50.37            | 1.58        | 74.0           | -23.63          | Peak     | 179.00         | 150         | Vertical | Pass    |
| 5** | 12399.537       | 41.26            | 1.58        | 54.0           | -12.74          | AV       | 179.00         | 150         | Vertical | Pass    |
| 6   | 15798.150       | 53.15            | 2.27        | 74.0           | -20.85          | Peak     | 212.00         | 150         | Vertical | Pass    |
| 6** | 15798.150       | 44.75            | 2.27        | 54.0           | -9.25           | AV       | 212.00         | 150         | Vertical | Pass    |

## 11ac40, Band 1, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.900        | 37.81            | -18.41      | 74.0           | -36.19          | Peak     | 290.00         | 150         | Horizontal | Pass    |
| 1** | 1065.900        | 29.00            | -18.41      | 54.0           | -25.00          | AV       | 290.00         | 150         | Horizontal | Pass    |
| 2   | 2706.700        | 43.06            | -11.31      | 74.0           | -30.94          | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 2** | 2706.700        | 33.56            | -11.31      | 54.0           | -20.44          | AV       | 309.00         | 150         | Horizontal | Pass    |
| 3   | 4061.600        | 46.79            | -5.10       | 74.0           | -27.21          | Peak     | 258.00         | 150         | Horizontal | Pass    |
| 3** | 4061.600        | 37.56            | -5.10       | 54.0           | -16.44          | AV       | 258.00         | 150         | Horizontal | Pass    |
| 4   | 5245.000        | 99.37            | -2.65       | --             | --              | Peak     | 358.00         | 150         | Horizontal | N/A     |
| 4** | 5245.000        | 92.70            | -2.65       | --             | --              | AV       | 358.00         | 150         | Horizontal | N/A     |
| 5   | 11671.875       | 49.53            | 0.24        | 74.0           | -24.47          | Peak     | 4.00           | 150         | Horizontal | Pass    |
| 5** | 11671.875       | 41.10            | 0.24        | 54.0           | -12.90          | AV       | 4.00           | 150         | Horizontal | Pass    |
| 6   | 15806.026       | 53.29            | 2.25        | 74.0           | -20.71          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15806.026       | 43.69            | 2.25        | 54.0           | -10.31          | AV       | 360.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.100        | 37.04            | -18.38      | 74.0           | -36.96          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1065.100        | 27.28            | -18.38      | 54.0           | -26.72          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2839.400        | 43.78            | -10.24      | 74.0           | -30.22          | Peak     | 155.00         | 150         | Vertical | Pass    |
| 2** | 2839.400        | 33.18            | -10.24      | 54.0           | -20.82          | AV       | 155.00         | 150         | Vertical | Pass    |
| 3   | 4047.400        | 46.68            | -4.74       | 74.0           | -27.32          | Peak     | 117.00         | 150         | Vertical | Pass    |
| 3** | 4047.400        | 37.38            | -4.74       | 54.0           | -16.62          | AV       | 117.00         | 150         | Vertical | Pass    |
| 4   | 5223.600        | 91.53            | -3.01       | --             | --              | Peak     | 177.00         | 150         | Vertical | N/A     |
| 4** | 5223.600        | 83.21            | -3.01       | --             | --              | AV       | 177.00         | 150         | Vertical | N/A     |
| 5   | 12273.325       | 50.49            | 1.56        | 74.0           | -23.51          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12273.325       | 41.18            | 1.56        | 54.0           | -12.82          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15796.312       | 53.72            | 2.21        | 74.0           | -20.28          | Peak     | 230.00         | 150         | Vertical | Pass    |
| 6** | 15796.312       | 45.33            | 2.21        | 54.0           | -8.67           | AV       | 230.00         | 150         | Vertical | Pass    |

## 11ac80, Band 1, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.200        | 38.86            | -18.42      | 74.0           | -35.14          | Peak     | 319.00         | 150         | Horizontal | Pass    |
| 1** | 1063.200        | 27.41            | -18.42      | 54.0           | -26.59          | AV       | 319.00         | 150         | Horizontal | Pass    |
| 2   | 2775.500        | 42.82            | -10.48      | 74.0           | -31.18          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 2** | 2775.500        | 33.45            | -10.48      | 54.0           | -20.55          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 3   | 3976.200        | 46.74            | -5.44       | 74.0           | -27.26          | Peak     | 43.00          | 150         | Horizontal | Pass    |
| 3** | 3976.200        | 37.12            | -5.44       | 54.0           | -16.88          | AV       | 43.00          | 150         | Horizontal | Pass    |
| 4   | 5237.200        | 95.94            | -2.82       | --             | --              | Peak     | 354.00         | 150         | Horizontal | N/A     |
| 4** | 5237.200        | 90.49            | -2.82       | --             | --              | AV       | 354.00         | 150         | Horizontal | N/A     |
| 5   | 10899.363       | 49.67            | 0.15        | 74.0           | -24.33          | Peak     | 28.00          | 150         | Horizontal | Pass    |
| 5** | 10899.363       | 40.23            | 0.15        | 54.0           | -13.77          | AV       | 28.00          | 150         | Horizontal | Pass    |
| 6   | 15636.712       | 54.01            | 1.48        | 74.0           | -19.99          | Peak     | 215.00         | 150         | Horizontal | Pass    |
| 6** | 15636.712       | 43.64            | 1.48        | 54.0           | -10.36          | AV       | 215.00         | 150         | Horizontal | Pass    |

## 11ac80, Band 1, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.300        | 37.26            | -18.39      | 74.0           | -36.74          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 1** | 1065.300        | 30.16            | -18.39      | 54.0           | -23.84          | AV       | 344.00         | 150         | Vertical | Pass    |
| 2   | 2802.700        | 42.67            | -10.45      | 74.0           | -31.33          | Peak     | 186.00         | 150         | Vertical | Pass    |
| 2** | 2802.700        | 33.08            | -10.45      | 54.0           | -20.92          | AV       | 186.00         | 150         | Vertical | Pass    |
| 3   | 3732.200        | 47.09            | -6.41       | 74.0           | -26.91          | Peak     | 19.00          | 150         | Vertical | Pass    |
| 3** | 3732.200        | 36.03            | -6.41       | 54.0           | -17.97          | AV       | 19.00          | 150         | Vertical | Pass    |
| 4   | 5219.400        | 86.60            | -3.04       | --             | --              | Peak     | 167.00         | 150         | Vertical | N/A     |
| 4** | 5219.400        | 79.82            | -3.04       | --             | --              | AV       | 167.00         | 150         | Vertical | N/A     |
| 5   | 11068.701       | 49.68            | -1.05       | 74.0           | -24.32          | Peak     | 323.00         | 150         | Vertical | Pass    |
| 5** | 11068.701       | 40.73            | -1.05       | 54.0           | -13.27          | AV       | 323.00         | 150         | Vertical | Pass    |
| 6   | 15816.787       | 53.88            | 1.99        | 74.0           | -20.12          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15816.787       | 44.76            | 1.99        | 54.0           | -9.24           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.600        | 38.95            | -18.43      | 74.0           | -35.05          | Peak     | 329.00         | 150         | Horizontal | Pass    |
| 1** | 1062.600        | 30.74            | -18.43      | 54.0           | -23.26          | AV       | 329.00         | 150         | Horizontal | Pass    |
| 2   | 2841.300        | 43.33            | -10.25      | 74.0           | -30.67          | Peak     | 190.00         | 150         | Horizontal | Pass    |
| 2** | 2841.300        | 33.94            | -10.25      | 54.0           | -20.06          | AV       | 190.00         | 150         | Horizontal | Pass    |
| 3   | 4059.400        | 46.26            | -4.93       | 74.0           | -27.74          | Peak     | 77.00          | 150         | Horizontal | Pass    |
| 3** | 4059.400        | 37.24            | -4.93       | 54.0           | -16.76          | AV       | 77.00          | 150         | Horizontal | Pass    |
| 4   | 5738.600        | 100.31           | -2.32       | --             | --              | Peak     | 290.00         | 150         | Horizontal | N/A     |
| 4** | 5738.600        | 93.23            | -2.32       | --             | --              | AV       | 290.00         | 150         | Horizontal | N/A     |
| 5   | 11073.588       | 49.90            | -1.21       | 74.0           | -24.10          | Peak     | 101.00         | 150         | Horizontal | Pass    |
| 5** | 11073.588       | 40.94            | -1.21       | 54.0           | -13.06          | AV       | 101.00         | 150         | Horizontal | Pass    |
| 6   | 15790.537       | 53.33            | 2.03        | 74.0           | -20.67          | Peak     | 264.00         | 150         | Horizontal | Pass    |
| 6** | 15790.537       | 44.21            | 2.03        | 54.0           | -9.79           | AV       | 264.00         | 150         | Horizontal | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.200        | 37.12            | -18.42      | 74.0           | -36.88          | Peak     | 345.00         | 150         | Vertical | Pass    |
| 1** | 1063.200        | 29.37            | -18.42      | 54.0           | -24.63          | AV       | 345.00         | 150         | Vertical | Pass    |
| 2   | 2776.700        | 42.58            | -10.44      | 74.0           | -31.42          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 2** | 2776.700        | 34.21            | -10.44      | 54.0           | -19.79          | AV       | 185.00         | 150         | Vertical | Pass    |
| 3   | 4152.600        | 47.11            | -4.89       | 74.0           | -26.89          | Peak     | 75.00          | 150         | Vertical | Pass    |
| 3** | 4152.600        | 37.66            | -4.89       | 54.0           | -16.34          | AV       | 75.00          | 150         | Vertical | Pass    |
| 4   | 5738.800        | 93.60            | -2.32       | --             | --              | Peak     | 211.00         | 150         | Vertical | N/A     |
| 4** | 5738.800        | 87.16            | -2.32       | --             | --              | AV       | 211.00         | 150         | Vertical | N/A     |
| 5   | 11916.826       | 49.88            | 1.49        | 74.0           | -24.12          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 5** | 11916.826       | 40.62            | 1.49        | 54.0           | -13.38          | AV       | 292.00         | 150         | Vertical | Pass    |
| 6   | 15793.688       | 53.57            | 2.13        | 74.0           | -20.43          | Peak     | 236.00         | 150         | Vertical | Pass    |
| 6** | 15793.688       | 45.87            | 2.13        | 54.0           | -8.13           | AV       | 236.00         | 150         | Vertical | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.200        | 40.18            | -18.39      | 74.0           | -33.82          | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 1** | 1065.200        | 30.02            | -18.39      | 54.0           | -23.98          | AV       | 344.00         | 150         | Horizontal | Pass    |
| 2   | 2794.900        | 42.27            | -10.55      | 74.0           | -31.73          | Peak     | 61.00          | 150         | Horizontal | Pass    |
| 2** | 2794.900        | 33.25            | -10.55      | 54.0           | -20.75          | AV       | 61.00          | 150         | Horizontal | Pass    |
| 3   | 4087.800        | 47.75            | -5.43       | 74.0           | -26.25          | Peak     | 175.00         | 150         | Horizontal | Pass    |
| 3** | 4087.800        | 37.49            | -5.43       | 54.0           | -16.51          | AV       | 175.00         | 150         | Horizontal | Pass    |
| 4   | 5787.400        | 101.13           | -2.46       | --             | --              | Peak     | 332.00         | 150         | Horizontal | N/A     |
| 4** | 5787.400        | 93.53            | -2.46       | --             | --              | AV       | 332.00         | 150         | Horizontal | N/A     |
| 5   | 12101.687       | 50.45            | 0.58        | 74.0           | -23.55          | Peak     | 291.00         | 150         | Horizontal | Pass    |
| 5** | 12101.687       | 41.11            | 0.58        | 54.0           | -12.89          | AV       | 291.00         | 150         | Horizontal | Pass    |
| 6   | 16102.912       | 53.35            | 1.07        | 74.0           | -20.65          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 6** | 16102.912       | 44.03            | 1.07        | 54.0           | -9.97           | AV       | 168.00         | 150         | Horizontal | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.000        | 39.19            | -18.40      | 74.0           | -34.81          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1064.000        | 27.64            | -18.40      | 54.0           | -26.36          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2831.600        | 42.52            | -10.35      | 74.0           | -31.48          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 2** | 2831.600        | 33.39            | -10.35      | 54.0           | -20.61          | AV       | 111.00         | 150         | Vertical | Pass    |
| 3   | 4192.200        | 46.74            | -4.85       | 74.0           | -27.26          | Peak     | 68.00          | 150         | Vertical | Pass    |
| 3** | 4192.200        | 37.79            | -4.85       | 54.0           | -16.21          | AV       | 68.00          | 150         | Vertical | Pass    |
| 4   | 5790.200        | 93.20            | -2.55       | --             | --              | Peak     | 193.00         | 150         | Vertical | N/A     |
| 4** | 5790.200        | 87.43            | -2.55       | --             | --              | AV       | 193.00         | 150         | Vertical | N/A     |
| 5   | 12330.825       | 50.54            | 1.40        | 74.0           | -23.46          | Peak     | 256.00         | 150         | Vertical | Pass    |
| 5** | 12330.825       | 41.09            | 1.40        | 54.0           | -12.91          | AV       | 256.00         | 150         | Vertical | Pass    |
| 6   | 15798.150       | 53.45            | 2.27        | 74.0           | -20.55          | Peak     | 273.00         | 150         | Vertical | Pass    |
| 6** | 15798.150       | 45.18            | 2.27        | 54.0           | -8.82           | AV       | 273.00         | 150         | Vertical | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.300        | 38.13            | -18.42      | 74.0           | -35.87          | Peak     | 175.00         | 150         | Horizontal | Pass    |
| 1** | 1062.300        | 27.09            | -18.42      | 54.0           | -26.91          | AV       | 175.00         | 150         | Horizontal | Pass    |
| 2   | 2767.100        | 43.02            | -10.75      | 74.0           | -30.98          | Peak     | 299.00         | 150         | Horizontal | Pass    |
| 2** | 2767.100        | 33.47            | -10.75      | 54.0           | -20.53          | AV       | 299.00         | 150         | Horizontal | Pass    |
| 3   | 4060.200        | 46.49            | -5.00       | 74.0           | -27.51          | Peak     | 224.00         | 150         | Horizontal | Pass    |
| 3** | 4060.200        | 37.98            | -5.00       | 54.0           | -16.02          | AV       | 224.00         | 150         | Horizontal | Pass    |
| 4   | 5824.600        | 101.62           | -2.40       | --             | --              | Peak     | 343.00         | 150         | Horizontal | N/A     |
| 4** | 5824.600        | 93.58            | -2.40       | --             | --              | AV       | 343.00         | 150         | Horizontal | N/A     |
| 5   | 12090.762       | 49.91            | 0.53        | 74.0           | -24.09          | Peak     | 8.00           | 150         | Horizontal | Pass    |
| 5** | 12090.762       | 40.91            | 0.53        | 54.0           | -13.09          | AV       | 8.00           | 150         | Horizontal | Pass    |
| 6   | 15621.224       | 53.46            | 1.65        | 74.0           | -20.54          | Peak     | 34.00          | 150         | Horizontal | Pass    |
| 6** | 15621.224       | 45.06            | 1.65        | 54.0           | -8.94           | AV       | 34.00          | 150         | Horizontal | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.700        | 38.20            | -18.41      | 74.0           | -35.80          | Peak     | 352.00         | 150         | Vertical | Pass    |
| 1** | 1063.700        | 27.16            | -18.41      | 54.0           | -26.84          | AV       | 352.00         | 150         | Vertical | Pass    |
| 2   | 2809.000        | 42.40            | -10.28      | 74.0           | -31.60          | Peak     | 221.00         | 150         | Vertical | Pass    |
| 2** | 2809.000        | 34.10            | -10.28      | 54.0           | -19.90          | AV       | 221.00         | 150         | Vertical | Pass    |
| 3   | 3951.000        | 46.24            | -4.76       | 74.0           | -27.76          | Peak     | 326.00         | 150         | Vertical | Pass    |
| 3** | 3951.000        | 37.52            | -4.76       | 54.0           | -16.48          | AV       | 326.00         | 150         | Vertical | Pass    |
| 4   | 5818.600        | 94.55            | -2.53       | --             | --              | Peak     | 225.00         | 150         | Vertical | N/A     |
| 4** | 5818.600        | 89.20            | -2.53       | --             | --              | AV       | 225.00         | 150         | Vertical | N/A     |
| 5   | 11831.725       | 49.78            | 1.18        | 74.0           | -24.22          | Peak     | 340.00         | 150         | Vertical | Pass    |
| 5** | 11831.725       | 41.00            | 1.18        | 54.0           | -13.00          | AV       | 340.00         | 150         | Vertical | Pass    |
| 6   | 15806.812       | 53.83            | 2.23        | 74.0           | -20.17          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15806.812       | 44.99            | 2.23        | 54.0           | -9.01           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.400        | 39.31            | -18.42      | 74.0           | -34.69          | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 1** | 1063.400        | 27.87            | -18.42      | 54.0           | -26.13          | AV       | 282.00         | 150         | Horizontal | Pass    |
| 2   | 2797.700        | 42.74            | -10.60      | 74.0           | -31.26          | Peak     | 269.00         | 150         | Horizontal | Pass    |
| 2** | 2797.700        | 33.45            | -10.60      | 54.0           | -20.55          | AV       | 269.00         | 150         | Horizontal | Pass    |
| 3   | 4055.800        | 47.11            | -4.88       | 74.0           | -26.89          | Peak     | 167.00         | 150         | Horizontal | Pass    |
| 3** | 4055.800        | 38.41            | -4.88       | 54.0           | -15.59          | AV       | 167.00         | 150         | Horizontal | Pass    |
| 4   | 5740.600        | 99.11            | -2.31       | --             | --              | Peak     | 335.00         | 150         | Horizontal | N/A     |
| 4** | 5740.600        | 92.51            | -2.31       | --             | --              | AV       | 335.00         | 150         | Horizontal | N/A     |
| 5   | 12000.487       | 50.33            | 1.28        | 74.0           | -23.67          | Peak     | 315.00         | 150         | Horizontal | Pass    |
| 5** | 12000.487       | 41.15            | 1.28        | 54.0           | -12.85          | AV       | 315.00         | 150         | Horizontal | Pass    |
| 6   | 15525.412       | 53.24            | 1.37        | 74.0           | -20.76          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 6** | 15525.412       | 44.23            | 1.37        | 54.0           | -9.77           | AV       | 283.00         | 150         | Horizontal | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.900        | 37.91            | -18.43      | 74.0           | -36.09          | Peak     | 350.00         | 150         | Vertical | Pass    |
| 1** | 1062.900        | 28.53            | -18.43      | 54.0           | -25.47          | AV       | 350.00         | 150         | Vertical | Pass    |
| 2   | 2814.100        | 42.36            | -10.04      | 74.0           | -31.64          | Peak     | 255.00         | 150         | Vertical | Pass    |
| 2** | 2814.100        | 33.46            | -10.04      | 54.0           | -20.54          | AV       | 255.00         | 150         | Vertical | Pass    |
| 3   | 4030.600        | 47.25            | -5.04       | 74.0           | -26.75          | Peak     | 32.00          | 150         | Vertical | Pass    |
| 3** | 4030.600        | 36.79            | -5.04       | 54.0           | -17.21          | AV       | 32.00          | 150         | Vertical | Pass    |
| 4   | 5739.800        | 92.61            | -2.35       | --             | --              | Peak     | 224.00         | 150         | Vertical | N/A     |
| 4** | 5739.800        | 86.76            | -2.35       | --             | --              | AV       | 224.00         | 150         | Vertical | N/A     |
| 5   | 11363.675       | 49.55            | -0.24       | 74.0           | -24.45          | Peak     | 313.00         | 150         | Vertical | Pass    |
| 5** | 11363.675       | 40.51            | -0.24       | 54.0           | -13.49          | AV       | 313.00         | 150         | Vertical | Pass    |
| 6   | 15807.863       | 53.44            | 2.21        | 74.0           | -20.56          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15807.863       | 45.22            | 2.21        | 54.0           | -8.78           | AV       | 0.00           | 150         | Vertical | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.400        | 37.98            | -18.39      | 74.0           | -36.02          | Peak     | 297.00         | 150         | Horizontal | Pass    |
| 1** | 1065.400        | 29.89            | -18.39      | 54.0           | -24.11          | AV       | 297.00         | 150         | Horizontal | Pass    |
| 2   | 2774.300        | 43.04            | -10.48      | 74.0           | -30.96          | Peak     | 352.00         | 150         | Horizontal | Pass    |
| 2** | 2774.300        | 32.98            | -10.48      | 54.0           | -21.02          | AV       | 352.00         | 150         | Horizontal | Pass    |
| 3   | 4057.800        | 47.19            | -4.88       | 74.0           | -26.81          | Peak     | 181.00         | 150         | Horizontal | Pass    |
| 3** | 4057.800        | 37.82            | -4.88       | 54.0           | -16.18          | AV       | 181.00         | 150         | Horizontal | Pass    |
| 4   | 5790.400        | 100.07           | -2.56       | --             | --              | Peak     | 331.00         | 150         | Horizontal | N/A     |
| 4** | 5790.400        | 93.99            | -2.56       | --             | --              | AV       | 331.00         | 150         | Horizontal | N/A     |
| 5   | 11229.125       | 49.95            | -0.28       | 74.0           | -24.05          | Peak     | 267.00         | 150         | Horizontal | Pass    |
| 5** | 11229.125       | 40.78            | -0.28       | 54.0           | -13.22          | AV       | 267.00         | 150         | Horizontal | Pass    |
| 6   | 15799.200       | 53.20            | 2.31        | 74.0           | -20.80          | Peak     | 242.00         | 150         | Horizontal | Pass    |
| 6** | 15799.200       | 45.04            | 2.31        | 54.0           | -8.96           | AV       | 242.00         | 150         | Horizontal | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.700        | 37.27            | -18.41      | 74.0           | -36.73          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1063.700        | 29.53            | -18.41      | 54.0           | -24.47          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2768.100        | 42.58            | -10.69      | 74.0           | -31.42          | Peak     | 114.00         | 150         | Vertical | Pass    |
| 2** | 2768.100        | 32.93            | -10.69      | 54.0           | -21.07          | AV       | 114.00         | 150         | Vertical | Pass    |
| 3   | 4052.400        | 47.18            | -4.87       | 74.0           | -26.82          | Peak     | 131.00         | 150         | Vertical | Pass    |
| 3** | 4052.400        | 38.07            | -4.87       | 54.0           | -15.93          | AV       | 131.00         | 150         | Vertical | Pass    |
| 4   | 5791.400        | 92.64            | -2.57       | --             | --              | Peak     | 182.00         | 150         | Vertical | N/A     |
| 4** | 5791.400        | 85.25            | -2.57       | --             | --              | AV       | 182.00         | 150         | Vertical | N/A     |
| 5   | 11553.713       | 49.71            | -0.43       | 74.0           | -24.29          | Peak     | 260.00         | 150         | Vertical | Pass    |
| 5** | 11553.713       | 40.79            | -0.43       | 54.0           | -13.21          | AV       | 260.00         | 150         | Vertical | Pass    |
| 6   | 15500.474       | 53.55            | 1.17        | 74.0           | -20.45          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15500.474       | 43.63            | 1.17        | 54.0           | -10.37          | AV       | 360.00         | 150         | Vertical | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.800        | 38.48            | -18.43      | 74.0           | -35.52          | Peak     | 335.00         | 150         | Horizontal | Pass    |
| 1** | 1062.800        | 29.96            | -18.43      | 54.0           | -24.04          | AV       | 335.00         | 150         | Horizontal | Pass    |
| 2   | 2802.200        | 41.85            | -10.48      | 74.0           | -32.15          | Peak     | 262.00         | 150         | Horizontal | Pass    |
| 2** | 2802.200        | 34.07            | -10.48      | 54.0           | -19.93          | AV       | 262.00         | 150         | Horizontal | Pass    |
| 3   | 3996.600        | 47.15            | -5.27       | 74.0           | -26.85          | Peak     | 313.00         | 150         | Horizontal | Pass    |
| 3** | 3996.600        | 36.43            | -5.27       | 54.0           | -17.57          | AV       | 313.00         | 150         | Horizontal | Pass    |
| 4   | 5828.200        | 99.99            | -2.27       | --             | --              | Peak     | 329.00         | 150         | Horizontal | N/A     |
| 4** | 5828.200        | 93.96            | -2.27       | --             | --              | AV       | 329.00         | 150         | Horizontal | N/A     |
| 5   | 11637.950       | 49.69            | -0.23       | 74.0           | -24.31          | Peak     | 218.00         | 150         | Horizontal | Pass    |
| 5** | 11637.950       | 40.91            | -0.23       | 54.0           | -13.09          | AV       | 218.00         | 150         | Horizontal | Pass    |
| 6   | 15507.037       | 53.03            | 1.34        | 74.0           | -20.97          | Peak     | 255.00         | 150         | Horizontal | Pass    |
| 6** | 15507.037       | 43.73            | 1.34        | 54.0           | -10.27          | AV       | 255.00         | 150         | Horizontal | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.100        | 37.20            | -18.38      | 74.0           | -36.80          | Peak     | 208.00         | 150         | Vertical | Pass    |
| 1** | 1065.100        | 28.18            | -18.38      | 54.0           | -25.82          | AV       | 208.00         | 150         | Vertical | Pass    |
| 2   | 2839.300        | 43.52            | -10.24      | 74.0           | -30.48          | Peak     | 292.00         | 150         | Vertical | Pass    |
| 2** | 2839.300        | 32.68            | -10.24      | 54.0           | -21.32          | AV       | 292.00         | 150         | Vertical | Pass    |
| 3   | 4089.200        | 47.77            | -5.47       | 74.0           | -26.23          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 3** | 4089.200        | 37.21            | -5.47       | 54.0           | -16.79          | AV       | 263.00         | 150         | Vertical | Pass    |
| 4   | 5818.200        | 95.06            | -2.52       | --             | --              | Peak     | 213.00         | 150         | Vertical | N/A     |
| 4** | 5818.200        | 88.25            | -2.52       | --             | --              | AV       | 213.00         | 150         | Vertical | N/A     |
| 5   | 12048.787       | 49.80            | 1.01        | 74.0           | -24.20          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12048.787       | 40.40            | 1.01        | 54.0           | -13.60          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15794.475       | 53.88            | 2.15        | 74.0           | -20.12          | Peak     | 130.00         | 150         | Vertical | Pass    |
| 6** | 15794.475       | 45.39            | 2.15        | 54.0           | -8.61           | AV       | 130.00         | 150         | Vertical | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1061.900        | 37.62            | -18.42      | 74.0           | -36.38          | Peak     | 287.00         | 150         | Horizontal | Pass    |
| 1** | 1061.900        | 26.09            | -18.42      | 54.0           | -27.91          | AV       | 287.00         | 150         | Horizontal | Pass    |
| 2   | 2786.700        | 42.43            | -10.48      | 74.0           | -31.57          | Peak     | 302.00         | 150         | Horizontal | Pass    |
| 2** | 2786.700        | 33.01            | -10.48      | 54.0           | -20.99          | AV       | 302.00         | 150         | Horizontal | Pass    |
| 3   | 4051.600        | 47.76            | -4.82       | 74.0           | -26.24          | Peak     | 252.00         | 150         | Horizontal | Pass    |
| 3** | 4051.600        | 37.73            | -4.82       | 54.0           | -16.27          | AV       | 252.00         | 150         | Horizontal | Pass    |
| 4   | 5758.000        | 100.82           | -1.99       | --             | --              | Peak     | 303.00         | 150         | Horizontal | N/A     |
| 4** | 5758.000        | 94.56            | -1.99       | --             | --              | AV       | 303.00         | 150         | Horizontal | N/A     |
| 5   | 12277.638       | 50.57            | 1.72        | 74.0           | -23.43          | Peak     | 240.00         | 150         | Horizontal | Pass    |
| 5** | 12277.638       | 40.98            | 1.72        | 54.0           | -13.02          | AV       | 240.00         | 150         | Horizontal | Pass    |
| 6   | 15804.450       | 53.23            | 2.28        | 74.0           | -20.77          | Peak     | 309.00         | 150         | Horizontal | Pass    |
| 6** | 15804.450       | 44.08            | 2.28        | 54.0           | -9.92           | AV       | 309.00         | 150         | Horizontal | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.600        | 36.55            | -18.41      | 74.0           | -37.45          | Peak     | 210.00         | 150         | Vertical | Pass    |
| 1** | 1063.600        | 27.24            | -18.41      | 54.0           | -26.76          | AV       | 210.00         | 150         | Vertical | Pass    |
| 2   | 2798.900        | 42.82            | -10.57      | 74.0           | -31.18          | Peak     | 87.00          | 150         | Vertical | Pass    |
| 2** | 2798.900        | 33.19            | -10.57      | 54.0           | -20.81          | AV       | 87.00          | 150         | Vertical | Pass    |
| 3   | 4022.400        | 46.59            | -5.13       | 74.0           | -27.41          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4022.400        | 37.38            | -5.13       | 54.0           | -16.62          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5756.400        | 92.10            | -2.03       | --             | --              | Peak     | 183.00         | 150         | Vertical | N/A     |
| 4** | 5756.400        | 86.23            | -2.03       | --             | --              | AV       | 183.00         | 150         | Vertical | N/A     |
| 5   | 12432.026       | 50.51            | 1.61        | 74.0           | -23.49          | Peak     | 205.00         | 150         | Vertical | Pass    |
| 5** | 12432.026       | 41.21            | 1.61        | 54.0           | -12.79          | AV       | 205.00         | 150         | Vertical | Pass    |
| 6   | 15803.662       | 53.94            | 2.29        | 74.0           | -20.06          | Peak     | 126.00         | 150         | Vertical | Pass    |
| 6** | 15803.662       | 45.13            | 2.29        | 54.0           | -8.87           | AV       | 126.00         | 150         | Vertical | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.600        | 37.97            | -18.41      | 74.0           | -36.03          | Peak     | 331.00         | 150         | Horizontal | Pass    |
| 1** | 1063.600        | 29.24            | -18.41      | 54.0           | -24.76          | AV       | 331.00         | 150         | Horizontal | Pass    |
| 2   | 2799.500        | 44.09            | -10.56      | 74.0           | -29.91          | Peak     | 280.00         | 150         | Horizontal | Pass    |
| 2** | 2799.500        | 36.37            | -10.56      | 54.0           | -17.63          | AV       | 280.00         | 150         | Horizontal | Pass    |
| 3   | 3933.800        | 46.50            | -5.84       | 74.0           | -27.50          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 3** | 3933.800        | 36.68            | -5.84       | 54.0           | -17.32          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 4   | 5793.000        | 100.76           | -2.55       | --             | --              | Peak     | 344.00         | 150         | Horizontal | N/A     |
| 4** | 5793.000        | 92.99            | -2.55       | --             | --              | AV       | 344.00         | 150         | Horizontal | N/A     |
| 5   | 12444.963       | 50.97            | 1.81        | 74.0           | -23.03          | Peak     | 237.00         | 150         | Horizontal | Pass    |
| 5** | 12444.963       | 42.42            | 1.81        | 54.0           | -11.58          | AV       | 237.00         | 150         | Horizontal | Pass    |
| 6   | 15620.963       | 53.80            | 1.65        | 74.0           | -20.20          | Peak     | 333.00         | 150         | Horizontal | Pass    |
| 6** | 15620.963       | 44.52            | 1.65        | 54.0           | -9.48           | AV       | 333.00         | 150         | Horizontal | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.300        | 37.88            | -18.39      | 74.0           | -36.12          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1065.300        | 25.90            | -18.39      | 54.0           | -28.10          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2802.000        | 42.37            | -10.49      | 74.0           | -31.63          | Peak     | 6.00           | 150         | Vertical | Pass    |
| 2** | 2802.000        | 32.44            | -10.49      | 54.0           | -21.56          | AV       | 6.00           | 150         | Vertical | Pass    |
| 3   | 4169.600        | 46.71            | -5.20       | 74.0           | -27.29          | Peak     | 337.00         | 150         | Vertical | Pass    |
| 3** | 4169.600        | 38.30            | -5.20       | 54.0           | -15.70          | AV       | 337.00         | 150         | Vertical | Pass    |
| 4   | 5791.400        | 93.08            | -2.57       | --             | --              | Peak     | 225.00         | 150         | Vertical | N/A     |
| 4** | 5791.400        | 87.34            | -2.57       | --             | --              | AV       | 225.00         | 150         | Vertical | N/A     |
| 5   | 12346.637       | 50.78            | 1.26        | 74.0           | -23.22          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12346.637       | 41.46            | 1.26        | 54.0           | -12.54          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15808.388       | 53.16            | 2.20        | 74.0           | -20.84          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15808.388       | 44.23            | 2.20        | 54.0           | -9.77           | AV       | 0.00           | 150         | Vertical | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.900        | 39.59            | -18.38      | 74.0           | -34.41          | Peak     | 278.00         | 150         | Horizontal | Pass    |
| 1** | 1064.900        | 29.08            | -18.38      | 54.0           | -24.92          | AV       | 278.00         | 150         | Horizontal | Pass    |
| 2   | 2789.700        | 42.31            | -10.59      | 74.0           | -31.69          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2789.700        | 33.60            | -10.59      | 54.0           | -20.40          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4078.200        | 46.59            | -5.36       | 74.0           | -27.41          | Peak     | 279.00         | 150         | Horizontal | Pass    |
| 3** | 4078.200        | 37.54            | -5.36       | 54.0           | -16.46          | AV       | 279.00         | 150         | Horizontal | Pass    |
| 4   | 5751.000        | 97.29            | -2.17       | --             | --              | Peak     | 335.00         | 150         | Horizontal | N/A     |
| 4** | 5751.000        | 91.37            | -2.17       | --             | --              | AV       | 335.00         | 150         | Horizontal | N/A     |
| 5   | 11310.488       | 49.78            | 0.37        | 74.0           | -24.22          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 11310.488       | 40.20            | 0.37        | 54.0           | -13.80          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15704.963       | 53.22            | 0.69        | 74.0           | -20.78          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15704.963       | 43.56            | 0.69        | 54.0           | -10.44          | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1062.400        | 38.27            | -18.43      | 74.0           | -35.73          | Peak     | 327.00         | 150         | Vertical | Pass    |
| 1** | 1062.400        | 29.66            | -18.43      | 54.0           | -24.34          | AV       | 327.00         | 150         | Vertical | Pass    |
| 2   | 2842.000        | 42.95            | -10.26      | 74.0           | -31.05          | Peak     | 48.00          | 150         | Vertical | Pass    |
| 2** | 2842.000        | 34.07            | -10.26      | 54.0           | -19.93          | AV       | 48.00          | 150         | Vertical | Pass    |
| 3   | 4053.600        | 47.28            | -4.88       | 74.0           | -26.72          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 3** | 4053.600        | 37.58            | -4.88       | 54.0           | -16.42          | AV       | 360.00         | 150         | Vertical | Pass    |
| 4   | 5752.000        | 90.22            | -2.19       | --             | --              | Peak     | 237.00         | 150         | Vertical | N/A     |
| 4** | 5752.000        | 83.46            | -2.19       | --             | --              | AV       | 237.00         | 150         | Vertical | N/A     |
| 5   | 11676.763       | 49.90            | 0.23        | 74.0           | -24.10          | Peak     | 111.00         | 150         | Vertical | Pass    |
| 5** | 11676.763       | 40.75            | 0.23        | 54.0           | -13.25          | AV       | 111.00         | 150         | Vertical | Pass    |
| 6   | 15837.000       | 53.43            | 1.45        | 74.0           | -20.57          | Peak     | 37.00          | 150         | Vertical | Pass    |
| 6** | 15837.000       | 44.43            | 1.45        | 54.0           | -9.57           | AV       | 37.00          | 150         | Vertical | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.600        | 38.01            | -18.41      | 74.0           | -35.99          | Peak     | 347.00         | 150         | Horizontal | Pass    |
| 1** | 1063.600        | 28.08            | -18.41      | 54.0           | -25.92          | AV       | 347.00         | 150         | Horizontal | Pass    |
| 2   | 2786.700        | 42.95            | -10.48      | 74.0           | -31.05          | Peak     | 207.00         | 150         | Horizontal | Pass    |
| 2** | 2786.700        | 34.45            | -10.48      | 54.0           | -19.55          | AV       | 207.00         | 150         | Horizontal | Pass    |
| 3   | 4064.000        | 46.57            | -5.24       | 74.0           | -27.43          | Peak     | 278.00         | 150         | Horizontal | Pass    |
| 3** | 4064.000        | 37.31            | -5.24       | 54.0           | -16.69          | AV       | 278.00         | 150         | Horizontal | Pass    |
| 4   | 5789.600        | 98.60            | -2.52       | --             | --              | Peak     | 334.00         | 150         | Horizontal | N/A     |
| 4** | 5789.600        | 91.06            | -2.52       | --             | --              | AV       | 334.00         | 150         | Horizontal | N/A     |
| 5   | 12291.724       | 50.72            | 1.63        | 74.0           | -23.28          | Peak     | 112.00         | 150         | Horizontal | Pass    |
| 5** | 12291.724       | 40.55            | 1.63        | 54.0           | -13.45          | AV       | 112.00         | 150         | Horizontal | Pass    |
| 6   | 15635.138       | 52.61            | 1.55        | 74.0           | -21.39          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15635.138       | 44.34            | 1.55        | 54.0           | -9.66           | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.300        | 37.36            | -18.39      | 74.0           | -36.64          | Peak     | 241.00         | 150         | Vertical | Pass    |
| 1** | 1064.300        | 29.55            | -18.39      | 54.0           | -24.45          | AV       | 241.00         | 150         | Vertical | Pass    |
| 2   | 2780.500        | 42.06            | -10.41      | 74.0           | -31.94          | Peak     | 187.00         | 150         | Vertical | Pass    |
| 2** | 2780.500        | 33.71            | -10.41      | 54.0           | -20.29          | AV       | 187.00         | 150         | Vertical | Pass    |
| 3   | 3762.200        | 46.52            | -6.37       | 74.0           | -27.48          | Peak     | 53.00          | 150         | Vertical | Pass    |
| 3** | 3762.200        | 36.93            | -6.37       | 54.0           | -17.07          | AV       | 53.00          | 150         | Vertical | Pass    |
| 4   | 5791.000        | 91.41            | -2.58       | --             | --              | Peak     | 186.00         | 150         | Vertical | N/A     |
| 4** | 5791.000        | 85.18            | -2.58       | --             | --              | AV       | 186.00         | 150         | Vertical | N/A     |
| 5   | 12263.262       | 50.98            | 1.22        | 74.0           | -23.02          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12263.262       | 41.20            | 1.22        | 54.0           | -12.80          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15628.838       | 53.31            | 1.71        | 74.0           | -20.69          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15628.838       | 45.01            | 1.71        | 54.0           | -8.99           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.700        | 37.59            | -18.43      | 74.0           | -36.41          | Peak     | 291.00         | 150         | Horizontal | Pass    |
| 1** | 1062.700        | 28.72            | -18.43      | 54.0           | -25.28          | AV       | 291.00         | 150         | Horizontal | Pass    |
| 2   | 2781.600        | 42.73            | -10.39      | 74.0           | -31.27          | Peak     | 202.00         | 150         | Horizontal | Pass    |
| 2** | 2781.600        | 33.55            | -10.39      | 54.0           | -20.45          | AV       | 202.00         | 150         | Horizontal | Pass    |
| 3   | 3956.000        | 47.37            | -4.64       | 74.0           | -26.63          | Peak     | 169.00         | 150         | Horizontal | Pass    |
| 3** | 3956.000        | 38.08            | -4.64       | 54.0           | -15.92          | AV       | 169.00         | 150         | Horizontal | Pass    |
| 4   | 5818.200        | 98.25            | -2.52       | --             | --              | Peak     | 344.00         | 150         | Horizontal | N/A     |
| 4** | 5818.200        | 93.18            | -2.52       | --             | --              | AV       | 344.00         | 150         | Horizontal | N/A     |
| 5   | 11182.838       | 49.52            | -0.57       | 74.0           | -24.48          | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 5** | 11182.838       | 39.22            | -0.57       | 54.0           | -14.78          | AV       | 47.00          | 150         | Horizontal | Pass    |
| 6   | 15804.188       | 53.34            | 2.28        | 74.0           | -20.66          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15804.188       | 45.09            | 2.28        | 54.0           | -8.91           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.600        | 38.14            | -18.38      | 74.0           | -35.86          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1064.600        | 28.14            | -18.38      | 54.0           | -25.86          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2789.100        | 43.29            | -10.58      | 74.0           | -30.71          | Peak     | 133.00         | 150         | Vertical | Pass    |
| 2** | 2789.100        | 33.89            | -10.58      | 54.0           | -20.11          | AV       | 133.00         | 150         | Vertical | Pass    |
| 3   | 4282.600        | 46.68            | -4.72       | 74.0           | -27.32          | Peak     | 112.00         | 150         | Vertical | Pass    |
| 3** | 4282.600        | 39.47            | -4.72       | 54.0           | -14.53          | AV       | 112.00         | 150         | Vertical | Pass    |
| 4   | 5818.200        | 91.40            | -2.52       | --             | --              | Peak     | 227.00         | 150         | Vertical | N/A     |
| 4** | 5818.200        | 84.25            | -2.52       | --             | --              | AV       | 227.00         | 150         | Vertical | N/A     |
| 5   | 11836.613       | 49.81            | 1.14        | 74.0           | -24.19          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 5** | 11836.613       | 40.39            | 1.14        | 54.0           | -13.61          | AV       | 338.00         | 150         | Vertical | Pass    |
| 6   | 15458.737       | 53.45            | 1.52        | 74.0           | -20.55          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15458.737       | 45.37            | 1.52        | 54.0           | -8.63           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.600        | 37.78            | -18.40      | 74.0           | -36.22          | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 1** | 1065.600        | 28.02            | -18.40      | 54.0           | -25.98          | AV       | 344.00         | 150         | Horizontal | Pass    |
| 2   | 2739.600        | 42.92            | -10.83      | 74.0           | -31.08          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2739.600        | 34.29            | -10.83      | 54.0           | -19.71          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4140.800        | 47.64            | -4.89       | 74.0           | -26.36          | Peak     | 142.00         | 150         | Horizontal | Pass    |
| 3** | 4140.800        | 37.67            | -4.89       | 54.0           | -16.33          | AV       | 142.00         | 150         | Horizontal | Pass    |
| 4   | 5767.600        | 99.26            | -1.81       | --             | --              | Peak     | 307.00         | 150         | Horizontal | N/A     |
| 4** | 5767.600        | 92.52            | -1.81       | --             | --              | AV       | 307.00         | 150         | Horizontal | N/A     |
| 5   | 11477.526       | 49.88            | -0.07       | 74.0           | -24.12          | Peak     | 151.00         | 150         | Horizontal | Pass    |
| 5** | 11477.526       | 42.01            | -0.07       | 54.0           | -11.99          | AV       | 151.00         | 150         | Horizontal | Pass    |
| 6   | 15860.625       | 53.44            | 0.91        | 74.0           | -20.56          | Peak     | 355.00         | 150         | Horizontal | Pass    |
| 6** | 15860.625       | 43.66            | 0.91        | 54.0           | -10.34          | AV       | 355.00         | 150         | Horizontal | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.000        | 37.55            | -18.43      | 74.0           | -36.45          | Peak     | 346.00         | 150         | Vertical | Pass    |
| 1** | 1063.000        | 30.21            | -18.43      | 54.0           | -23.79          | AV       | 346.00         | 150         | Vertical | Pass    |
| 2   | 2751.000        | 42.96            | -10.80      | 74.0           | -31.04          | Peak     | 94.00          | 150         | Vertical | Pass    |
| 2** | 2751.000        | 32.60            | -10.80      | 54.0           | -21.40          | AV       | 94.00          | 150         | Vertical | Pass    |
| 3   | 4069.200        | 46.50            | -5.42       | 74.0           | -27.50          | Peak     | 283.00         | 150         | Vertical | Pass    |
| 3** | 4069.200        | 36.87            | -5.42       | 54.0           | -17.13          | AV       | 283.00         | 150         | Vertical | Pass    |
| 4   | 5756.200        | 91.70            | -2.03       | --             | --              | Peak     | 242.00         | 150         | Vertical | N/A     |
| 4** | 5756.200        | 85.34            | -2.03       | --             | --              | AV       | 242.00         | 150         | Vertical | N/A     |
| 5   | 12046.200       | 50.11            | 0.95        | 74.0           | -23.89          | Peak     | 156.00         | 150         | Vertical | Pass    |
| 5** | 12046.200       | 41.29            | 0.95        | 54.0           | -12.71          | AV       | 156.00         | 150         | Vertical | Pass    |
| 6   | 15785.287       | 53.32            | 1.81        | 74.0           | -20.68          | Peak     | 319.00         | 150         | Vertical | Pass    |
| 6** | 15785.287       | 44.83            | 1.81        | 54.0           | -9.17           | AV       | 319.00         | 150         | Vertical | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1062.900        | 39.21            | -18.43      | 74.0           | -34.79          | Peak     | 288.00         | 150         | Horizontal | Pass    |
| 1** | 1062.900        | 27.55            | -18.43      | 54.0           | -26.45          | AV       | 288.00         | 150         | Horizontal | Pass    |
| 2   | 2844.300        | 43.80            | -10.32      | 74.0           | -30.20          | Peak     | 76.00          | 150         | Horizontal | Pass    |
| 2** | 2844.300        | 33.11            | -10.32      | 54.0           | -20.89          | AV       | 76.00          | 150         | Horizontal | Pass    |
| 3   | 4089.200        | 46.68            | -5.47       | 74.0           | -27.32          | Peak     | 304.00         | 150         | Horizontal | Pass    |
| 3** | 4089.200        | 38.36            | -5.47       | 54.0           | -15.64          | AV       | 304.00         | 150         | Horizontal | Pass    |
| 4   | 5793.000        | 100.09           | -2.55       | --             | --              | Peak     | 345.00         | 150         | Horizontal | N/A     |
| 4** | 5793.000        | 91.71            | -2.55       | --             | --              | AV       | 345.00         | 150         | Horizontal | N/A     |
| 5   | 12003.937       | 49.83            | 1.29        | 74.0           | -24.17          | Peak     | 227.00         | 150         | Horizontal | Pass    |
| 5** | 12003.937       | 40.88            | 1.29        | 54.0           | -13.12          | AV       | 227.00         | 150         | Horizontal | Pass    |
| 6   | 15613.875       | 53.65            | 1.44        | 74.0           | -20.35          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15613.875       | 44.79            | 1.44        | 54.0           | -9.21           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.400        | 37.48            | -18.42      | 74.0           | -36.52          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1063.400        | 29.73            | -18.42      | 54.0           | -24.27          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2776.200        | 42.05            | -10.46      | 74.0           | -31.95          | Peak     | 325.00         | 150         | Vertical | Pass    |
| 2** | 2776.200        | 32.71            | -10.46      | 54.0           | -21.29          | AV       | 325.00         | 150         | Vertical | Pass    |
| 3   | 4157.800        | 46.76            | -4.94       | 74.0           | -27.24          | Peak     | 287.00         | 150         | Vertical | Pass    |
| 3** | 4157.800        | 37.86            | -4.94       | 54.0           | -16.14          | AV       | 287.00         | 150         | Vertical | Pass    |
| 4   | 5808.400        | 91.64            | -2.45       | --             | --              | Peak     | 224.00         | 150         | Vertical | N/A     |
| 4** | 5808.400        | 84.64            | -2.45       | --             | --              | AV       | 224.00         | 150         | Vertical | N/A     |
| 5   | 11932.637       | 50.16            | 1.63        | 74.0           | -23.84          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11932.637       | 40.62            | 1.63        | 54.0           | -13.38          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15795.000       | 54.03            | 2.17        | 74.0           | -19.97          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15795.000       | 45.14            | 2.17        | 54.0           | -8.86           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac80, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.400        | 38.43            | -18.42      | 74.0           | -35.57          | Peak     | 280.00         | 150         | Horizontal | Pass    |
| 1** | 1063.400        | 27.58            | -18.42      | 54.0           | -26.42          | AV       | 280.00         | 150         | Horizontal | Pass    |
| 2   | 2773.000        | 42.16            | -10.48      | 74.0           | -31.84          | Peak     | 111.00         | 150         | Horizontal | Pass    |
| 2** | 2773.000        | 33.60            | -10.48      | 54.0           | -20.40          | AV       | 111.00         | 150         | Horizontal | Pass    |
| 3   | 4269.400        | 47.84            | -4.52       | 74.0           | -26.16          | Peak     | 132.00         | 150         | Horizontal | Pass    |
| 3** | 4269.400        | 38.36            | -4.52       | 54.0           | -15.64          | AV       | 132.00         | 150         | Horizontal | Pass    |
| 4   | 5757.000        | 96.35            | -2.02       | --             | --              | Peak     | 327.00         | 150         | Horizontal | N/A     |
| 4** | 5757.000        | 88.56            | -2.02       | --             | --              | AV       | 327.00         | 150         | Horizontal | N/A     |
| 5   | 11668.712       | 50.48            | 0.22        | 74.0           | -23.52          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 11668.712       | 40.82            | 0.22        | 54.0           | -13.18          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15802.087       | 53.34            | 2.31        | 74.0           | -20.66          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 6** | 15802.087       | 44.04            | 2.31        | 54.0           | -9.96           | AV       | 58.00          | 150         | Horizontal | Pass    |

## 11ac80, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.700        | 37.52            | -18.40      | 74.0           | -36.48          | Peak     | 345.00         | 150         | Vertical | Pass    |
| 1** | 1065.700        | 30.12            | -18.40      | 54.0           | -23.88          | AV       | 345.00         | 150         | Vertical | Pass    |
| 2   | 2778.500        | 42.59            | -10.42      | 74.0           | -31.41          | Peak     | 125.00         | 150         | Vertical | Pass    |
| 2** | 2778.500        | 34.52            | -10.42      | 54.0           | -19.48          | AV       | 125.00         | 150         | Vertical | Pass    |
| 3   | 4077.400        | 46.53            | -5.39       | 74.0           | -27.47          | Peak     | 147.00         | 150         | Vertical | Pass    |
| 3** | 4077.400        | 37.13            | -5.39       | 54.0           | -16.87          | AV       | 147.00         | 150         | Vertical | Pass    |
| 4   | 5802.800        | 87.76            | -2.52       | --             | --              | Peak     | 232.00         | 150         | Vertical | N/A     |
| 4** | 5802.800        | 81.69            | -2.52       | --             | --              | AV       | 232.00         | 150         | Vertical | N/A     |
| 5   | 12079.263       | 50.28            | 0.60        | 74.0           | -23.72          | Peak     | 323.00         | 150         | Vertical | Pass    |
| 5** | 12079.263       | 40.50            | 0.60        | 54.0           | -13.50          | AV       | 323.00         | 150         | Vertical | Pass    |
| 6   | 15830.700       | 54.12            | 1.49        | 74.0           | -19.88          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15830.700       | 44.38            | 1.49        | 54.0           | -9.62           | AV       | 360.00         | 150         | Vertical | Pass    |

### Aux. Antenna

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.500        | 38.80            | -18.40      | 74.0           | -35.20          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1065.500        | 28.97            | -18.40      | 54.0           | -25.03          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2798.800        | 43.19            | -10.57      | 74.0           | -30.81          | Peak     | 344.00         | 150         | Horizontal | Pass    |
| 2** | 2798.800        | 34.98            | -10.57      | 54.0           | -19.02          | AV       | 344.00         | 150         | Horizontal | Pass    |
| 3   | 3972.200        | 46.25            | -5.23       | 74.0           | -27.75          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 3** | 3972.200        | 36.33            | -5.23       | 54.0           | -17.67          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 4   | 5174.200        | 97.33            | -2.91       | --             | --              | Peak     | 43.00          | 150         | Horizontal | N/A     |
| 4** | 5174.200        | 90.52            | -2.91       | --             | --              | AV       | 43.00          | 150         | Horizontal | N/A     |
| 5   | 11921.424       | 50.32            | 1.50        | 74.0           | -23.68          | Peak     | 71.00          | 150         | Horizontal | Pass    |
| 5** | 11921.424       | 41.45            | 1.50        | 54.0           | -12.55          | AV       | 71.00          | 150         | Horizontal | Pass    |
| 6   | 15773.475       | 53.38            | 1.21        | 74.0           | -20.62          | Peak     | 298.00         | 150         | Horizontal | Pass    |
| 6** | 15773.475       | 44.98            | 1.21        | 54.0           | -9.02           | AV       | 298.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.000        | 37.66            | -18.38      | 74.0           | -36.34          | Peak     | 203.00         | 150         | Vertical | Pass    |
| 1** | 1065.000        | 26.95            | -18.38      | 54.0           | -27.05          | AV       | 203.00         | 150         | Vertical | Pass    |
| 2   | 2809.900        | 42.53            | -10.25      | 74.0           | -31.47          | Peak     | 316.00         | 150         | Vertical | Pass    |
| 2** | 2809.900        | 33.35            | -10.25      | 54.0           | -20.65          | AV       | 316.00         | 150         | Vertical | Pass    |
| 3   | 4163.800        | 46.53            | -4.99       | 74.0           | -27.47          | Peak     | 325.00         | 150         | Vertical | Pass    |
| 3** | 4163.800        | 37.78            | -4.99       | 54.0           | -16.22          | AV       | 325.00         | 150         | Vertical | Pass    |
| 4   | 5175.800        | 94.89            | -2.85       | --             | --              | Peak     | 23.00          | 150         | Vertical | N/A     |
| 4** | 5175.800        | 88.10            | -2.85       | --             | --              | AV       | 23.00          | 150         | Vertical | N/A     |
| 5   | 11350.162       | 49.90            | -0.03       | 74.0           | -24.10          | Peak     | 61.00          | 150         | Vertical | Pass    |
| 5** | 11350.162       | 41.01            | -0.03       | 54.0           | -12.99          | AV       | 61.00          | 150         | Vertical | Pass    |
| 6   | 15740.401       | 52.82            | 0.86        | 74.0           | -21.18          | Peak     | 179.00         | 150         | Vertical | Pass    |
| 6** | 15740.401       | 45.17            | 0.86        | 54.0           | -8.83           | AV       | 179.00         | 150         | Vertical | Pass    |

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

| No. | Frequency<br>(MHz) | Results<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Over Limit<br>(dB) | Detector | Table<br>(Degree) | Height<br>(cm) | Antenna    | Verdict |
|-----|--------------------|---------------------|----------------|-------------------|--------------------|----------|-------------------|----------------|------------|---------|
| 1   | 1065.200           | 37.92               | -18.39         | 74.0              | -36.08             | Peak     | 360.00            | 150            | Horizontal | Pass    |
| 1** | 1065.200           | 29.66               | -18.39         | 54.0              | -24.34             | AV       | 360.00            | 150            | Horizontal | Pass    |
| 2   | 2790.600           | 42.76               | -10.61         | 74.0              | -31.24             | Peak     | 302.00            | 150            | Horizontal | Pass    |
| 2** | 2790.600           | 33.70               | -10.61         | 54.0              | -20.30             | AV       | 302.00            | 150            | Horizontal | Pass    |
| 3   | 4027.400           | 46.71               | -5.10          | 74.0              | -27.29             | Peak     | 89.00             | 150            | Horizontal | Pass    |
| 3** | 4027.400           | 36.90               | -5.10          | 54.0              | -17.10             | AV       | 89.00             | 150            | Horizontal | Pass    |
| 4   | 5225.600           | 96.62               | -3.06          | --                | --                 | Peak     | 89.00             | 150            | Horizontal | N/A     |
| 4** | 5225.600           | 90.46               | -3.06          | --                | --                 | AV       | 89.00             | 150            | Horizontal | N/A     |
| 5   | 11498.225          | 50.51               | 0.05           | 74.0              | -23.49             | Peak     | 219.00            | 150            | Horizontal | Pass    |
| 5** | 11498.225          | 41.19               | 0.05           | 54.0              | -12.81             | AV       | 219.00            | 150            | Horizontal | Pass    |
| 6   | 15837.000          | 52.80               | 1.45           | 74.0              | -21.20             | Peak     | 238.00            | 150            | Horizontal | Pass    |
| 6** | 15837.000          | 43.87               | 1.45           | 54.0              | -10.13             | AV       | 238.00            | 150            | Horizontal | Pass    |

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

| No. | Frequency<br>(MHz) | Results<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Over Limit<br>(dB) | Detector | Table<br>(Degree) | Height<br>(cm) | Antenna  | Verdict |
|-----|--------------------|---------------------|----------------|-------------------|--------------------|----------|-------------------|----------------|----------|---------|
| 1   | 1062.800           | 37.74               | -18.43         | 74.0              | -36.26             | Peak     | 0.00              | 150            | Vertical | Pass    |
| 1** | 1062.800           | 29.20               | -18.43         | 54.0              | -24.80             | AV       | 0.00              | 150            | Vertical | Pass    |
| 2   | 2837.900           | 43.59               | -10.33         | 74.0              | -30.41             | Peak     | 193.00            | 150            | Vertical | Pass    |
| 2** | 2837.900           | 32.95               | -10.33         | 54.0              | -21.05             | AV       | 193.00            | 150            | Vertical | Pass    |
| 3   | 3718.800           | 46.54               | -6.50          | 74.0              | -27.46             | Peak     | 271.00            | 150            | Vertical | Pass    |
| 3** | 3718.800           | 36.17               | -6.50          | 54.0              | -17.83             | AV       | 271.00            | 150            | Vertical | Pass    |
| 4   | 5225.000           | 95.40               | -3.05          | --                | --                 | Peak     | 0.00              | 150            | Vertical | N/A     |
| 4** | 5225.000           | 89.09               | -3.05          | --                | --                 | AV       | 0.00              | 150            | Vertical | N/A     |
| 5   | 12280.225          | 50.47               | 1.80           | 74.0              | -23.53             | Peak     | 360.00            | 150            | Vertical | Pass    |
| 5** | 12280.225          | 41.44               | 1.80           | 54.0              | -12.56             | AV       | 360.00            | 150            | Vertical | Pass    |
| 6   | 15810.487          | 54.67               | 2.15           | 74.0              | -19.33             | Peak     | 360.00            | 150            | Vertical | Pass    |
| 6** | 15810.487          | 44.94               | 2.15           | 54.0              | -9.06              | AV       | 360.00            | 150            | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.600        | 37.66            | -18.38      | 74.0           | -36.34          | Peak     | 320.00         | 150         | Horizontal | Pass    |
| 1** | 1064.600        | 29.77            | -18.38      | 54.0           | -24.23          | AV       | 320.00         | 150         | Horizontal | Pass    |
| 2   | 2864.700        | 42.94            | -10.42      | 74.0           | -31.06          | Peak     | 255.00         | 150         | Horizontal | Pass    |
| 2** | 2864.700        | 33.89            | -10.42      | 54.0           | -20.11          | AV       | 255.00         | 150         | Horizontal | Pass    |
| 3   | 3958.600        | 47.48            | -4.64       | 74.0           | -26.52          | Peak     | 183.00         | 150         | Horizontal | Pass    |
| 3** | 3958.600        | 37.60            | -4.64       | 54.0           | -16.40          | AV       | 183.00         | 150         | Horizontal | Pass    |
| 4   | 5244.200        | 97.35            | -2.64       | --             | --              | Peak     | 253.00         | 150         | Horizontal | N/A     |
| 4** | 5244.200        | 89.03            | -2.64       | --             | --              | AV       | 253.00         | 150         | Horizontal | N/A     |
| 5   | 12080.125       | 50.04            | 0.59        | 74.0           | -23.96          | Peak     | 26.00          | 150         | Horizontal | Pass    |
| 5** | 12080.125       | 41.17            | 0.59        | 54.0           | -12.83          | AV       | 26.00          | 150         | Horizontal | Pass    |
| 6   | 15806.812       | 54.02            | 2.23        | 74.0           | -19.98          | Peak     | 181.00         | 150         | Horizontal | Pass    |
| 6** | 15806.812       | 44.32            | 2.23        | 54.0           | -9.68           | AV       | 181.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.700        | 37.17            | -18.38      | 74.0           | -36.83          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 1** | 1064.700        | 27.96            | -18.38      | 54.0           | -26.04          | AV       | 338.00         | 150         | Vertical | Pass    |
| 2   | 2810.100        | 42.96            | -10.24      | 74.0           | -31.04          | Peak     | 248.00         | 150         | Vertical | Pass    |
| 2** | 2810.100        | 33.97            | -10.24      | 54.0           | -20.03          | AV       | 248.00         | 150         | Vertical | Pass    |
| 3   | 4078.200        | 46.60            | -5.36       | 74.0           | -27.40          | Peak     | 22.00          | 150         | Vertical | Pass    |
| 3** | 4078.200        | 37.20            | -5.36       | 54.0           | -16.80          | AV       | 22.00          | 150         | Vertical | Pass    |
| 4   | 5244.800        | 95.85            | -2.64       | --             | --              | Peak     | 119.00         | 150         | Vertical | N/A     |
| 4** | 5244.800        | 89.71            | -2.64       | --             | --              | AV       | 119.00         | 150         | Vertical | N/A     |
| 5   | 11317.387       | 49.79            | 0.51        | 74.0           | -24.21          | Peak     | 2.00           | 150         | Vertical | Pass    |
| 5** | 11317.387       | 41.38            | 0.51        | 54.0           | -12.62          | AV       | 2.00           | 150         | Vertical | Pass    |
| 6   | 15795.526       | 53.03            | 2.19        | 74.0           | -20.97          | Peak     | 46.00          | 150         | Vertical | Pass    |
| 6** | 15795.526       | 44.76            | 2.19        | 54.0           | -9.24           | AV       | 46.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.700        | 38.69            | -18.41      | 74.0           | -35.31          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 1** | 1063.700        | 31.57            | -18.41      | 54.0           | -22.43          | AV       | 343.00         | 150         | Horizontal | Pass    |
| 2   | 2774.400        | 43.45            | -10.48      | 74.0           | -30.55          | Peak     | 80.00          | 150         | Horizontal | Pass    |
| 2** | 2774.400        | 33.79            | -10.48      | 54.0           | -20.21          | AV       | 80.00          | 150         | Horizontal | Pass    |
| 3   | 4038.200        | 46.62            | -4.76       | 74.0           | -27.38          | Peak     | 138.00         | 150         | Horizontal | Pass    |
| 3** | 4038.200        | 37.15            | -4.76       | 54.0           | -16.85          | AV       | 138.00         | 150         | Horizontal | Pass    |
| 4   | 5174.200        | 96.28            | -2.91       | --             | --              | Peak     | 37.00          | 150         | Horizontal | N/A     |
| 4** | 5174.200        | 89.63            | -2.91       | --             | --              | AV       | 37.00          | 150         | Horizontal | N/A     |
| 5   | 11972.025       | 50.14            | 0.81        | 74.0           | -23.86          | Peak     | 13.00          | 150         | Horizontal | Pass    |
| 5** | 11972.025       | 40.66            | 0.81        | 54.0           | -13.34          | AV       | 13.00          | 150         | Horizontal | Pass    |
| 6   | 15638.550       | 53.05            | 1.41        | 74.0           | -20.95          | Peak     | 230.00         | 150         | Horizontal | Pass    |
| 6** | 15638.550       | 44.75            | 1.41        | 54.0           | -9.25           | AV       | 230.00         | 150         | Horizontal | Pass    |

## 11n20, Band 1, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.000        | 38.29            | -18.43      | 74.0           | -35.71          | Peak     | 343.00         | 150         | Vertical | Pass    |
| 1** | 1063.000        | 28.71            | -18.43      | 54.0           | -25.29          | AV       | 343.00         | 150         | Vertical | Pass    |
| 2   | 2775.300        | 42.60            | -10.49      | 74.0           | -31.40          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 2** | 2775.300        | 33.23            | -10.49      | 54.0           | -20.77          | AV       | 108.00         | 150         | Vertical | Pass    |
| 3   | 4007.400        | 46.79            | -5.20       | 74.0           | -27.21          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4007.400        | 38.30            | -5.20       | 54.0           | -15.70          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5186.400        | 93.97            | -2.77       | --             | --              | Peak     | 0.00           | 150         | Vertical | N/A     |
| 4** | 5186.400        | 89.24            | -2.77       | --             | --              | AV       | 0.00           | 150         | Vertical | N/A     |
| 5   | 11310.488       | 49.86            | 0.37        | 74.0           | -24.14          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 11310.488       | 40.28            | 0.37        | 54.0           | -13.72          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15800.250       | 54.95            | 2.33        | 74.0           | -19.05          | Peak     | 290.00         | 150         | Vertical | Pass    |
| 6** | 15800.250       | 45.68            | 2.33        | 54.0           | -8.32           | AV       | 290.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1065.000        | 39.67            | -18.38      | 74.0           | -34.33          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 1** | 1065.000        | 28.12            | -18.38      | 54.0           | -25.88          | AV       | 283.00         | 150         | Horizontal | Pass    |
| 2   | 2825.400        | 42.80            | -10.29      | 74.0           | -31.20          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 2** | 2825.400        | 33.58            | -10.29      | 54.0           | -20.42          | AV       | 283.00         | 150         | Horizontal | Pass    |
| 3   | 3951.400        | 47.00            | -4.73       | 74.0           | -27.00          | Peak     | 38.00          | 150         | Horizontal | Pass    |
| 3** | 3951.400        | 38.05            | -4.73       | 54.0           | -15.95          | AV       | 38.00          | 150         | Horizontal | Pass    |
| 4   | 5225.400        | 95.56            | -3.06       | --             | --              | Peak     | 79.00          | 150         | Horizontal | N/A     |
| 4** | 5225.400        | 88.88            | -3.06       | --             | --              | AV       | 79.00          | 150         | Horizontal | N/A     |
| 5   | 12165.224       | 50.11            | 0.57        | 74.0           | -23.89          | Peak     | 72.00          | 150         | Horizontal | Pass    |
| 5** | 12165.224       | 40.42            | 0.57        | 54.0           | -13.58          | AV       | 72.00          | 150         | Horizontal | Pass    |
| 6   | 15838.312       | 53.68            | 1.45        | 74.0           | -20.32          | Peak     | 204.00         | 150         | Horizontal | Pass    |
| 6** | 15838.312       | 44.73            | 1.45        | 54.0           | -9.27           | AV       | 204.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.300        | 37.31            | -18.42      | 74.0           | -36.69          | Peak     | 251.00         | 150         | Vertical | Pass    |
| 1** | 1063.300        | 28.83            | -18.42      | 54.0           | -25.17          | AV       | 251.00         | 150         | Vertical | Pass    |
| 2   | 2838.700        | 43.10            | -10.28      | 74.0           | -30.90          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 2** | 2838.700        | 33.95            | -10.28      | 54.0           | -20.05          | AV       | 360.00         | 150         | Vertical | Pass    |
| 3   | 4197.800        | 47.72            | -4.91       | 74.0           | -26.28          | Peak     | 172.00         | 150         | Vertical | Pass    |
| 3** | 4197.800        | 38.56            | -4.91       | 54.0           | -15.44          | AV       | 172.00         | 150         | Vertical | Pass    |
| 4   | 5212.800        | 94.37            | -2.85       | --             | --              | Peak     | 114.00         | 150         | Vertical | N/A     |
| 4** | 5212.800        | 88.14            | -2.85       | --             | --              | AV       | 114.00         | 150         | Vertical | N/A     |
| 5   | 11643.987       | 49.57            | -0.21       | 74.0           | -24.43          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 11643.987       | 41.28            | -0.21       | 54.0           | -12.72          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15512.549       | 53.22            | 1.42        | 74.0           | -20.78          | Peak     | 83.00          | 150         | Vertical | Pass    |
| 6** | 15512.549       | 45.08            | 1.42        | 54.0           | -8.92           | AV       | 83.00          | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.700        | 38.08            | -18.38      | 74.0           | -35.92          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 1** | 1064.700        | 29.82            | -18.38      | 54.0           | -24.18          | AV       | 343.00         | 150         | Horizontal | Pass    |
| 2   | 2776.400        | 43.20            | -10.45      | 74.0           | -30.80          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2776.400        | 33.00            | -10.45      | 54.0           | -21.00          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4075.000        | 46.96            | -5.52       | 74.0           | -27.04          | Peak     | 38.00          | 150         | Horizontal | Pass    |
| 3** | 4075.000        | 37.83            | -5.52       | 54.0           | -16.17          | AV       | 38.00          | 150         | Horizontal | Pass    |
| 4   | 5246.000        | 94.31            | -2.69       | --             | --              | Peak     | 38.00          | 150         | Horizontal | N/A     |
| 4** | 5246.000        | 88.29            | -2.69       | --             | --              | AV       | 38.00          | 150         | Horizontal | N/A     |
| 5   | 12001.350       | 49.69            | 1.28        | 74.0           | -24.31          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 12001.350       | 41.59            | 1.28        | 54.0           | -12.41          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15826.237       | 53.45            | 1.60        | 74.0           | -20.55          | Peak     | 63.00          | 150         | Horizontal | Pass    |
| 6** | 15826.237       | 44.38            | 1.60        | 54.0           | -9.62           | AV       | 63.00          | 150         | Horizontal | Pass    |

## 11n20, Band 1, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.100        | 37.63            | -18.40      | 74.0           | -36.37          | Peak     | 190.00         | 150         | Vertical | Pass    |
| 1** | 1064.100        | 28.70            | -18.40      | 54.0           | -25.30          | AV       | 190.00         | 150         | Vertical | Pass    |
| 2   | 2800.100        | 42.41            | -10.56      | 74.0           | -31.59          | Peak     | 305.00         | 150         | Vertical | Pass    |
| 2** | 2800.100        | 33.44            | -10.56      | 54.0           | -20.56          | AV       | 305.00         | 150         | Vertical | Pass    |
| 3   | 4062.000        | 47.10            | -5.13       | 74.0           | -26.90          | Peak     | 158.00         | 150         | Vertical | Pass    |
| 3** | 4062.000        | 37.55            | -5.13       | 54.0           | -16.45          | AV       | 158.00         | 150         | Vertical | Pass    |
| 4   | 5244.400        | 95.72            | -2.64       | --             | --              | Peak     | 117.00         | 150         | Vertical | N/A     |
| 4** | 5244.400        | 88.79            | -2.64       | --             | --              | AV       | 117.00         | 150         | Vertical | N/A     |
| 5   | 11977.201       | 50.25            | 0.83        | 74.0           | -23.75          | Peak     | 151.00         | 150         | Vertical | Pass    |
| 5** | 11977.201       | 39.98            | 0.83        | 54.0           | -14.02          | AV       | 151.00         | 150         | Vertical | Pass    |
| 6   | 15619.912       | 53.42            | 1.63        | 74.0           | -20.58          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15619.912       | 44.40            | 1.63        | 54.0           | -9.60           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1141.900        | 37.01            | -18.30      | 74.0           | -36.99          | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 1** | 1141.900        | 31.75            | -18.30      | 54.0           | -22.25          | AV       | 0.00           | 100         | Horizontal | Pass    |
| 2   | 2800.800        | 43.69            | -10.55      | 74.0           | -30.31          | Peak     | 74.00          | 100         | Horizontal | Pass    |
| 2** | 2800.800        | 33.81            | -10.55      | 54.0           | -20.19          | AV       | 74.00          | 100         | Horizontal | Pass    |
| 3   | 4170.400        | 46.50            | -5.22       | 74.0           | -27.50          | Peak     | 314.00         | 100         | Horizontal | Pass    |
| 3** | 4170.400        | 36.73            | -5.22       | 54.0           | -17.27          | AV       | 314.00         | 100         | Horizontal | Pass    |
| 4   | 5199.600        | 100.59           | -2.64       | --             | --              | Peak     | 265.00         | 100         | Horizontal | N/A     |
| 4** | 5199.600        | 93.83            | -2.64       | --             | --              | AV       | 265.00         | 100         | Horizontal | N/A     |
| 5   | 11638.813       | 49.85            | -0.23       | 74.0           | -24.15          | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 5** | 11638.813       | 41.38            | -0.23       | 54.0           | -12.62          | AV       | 360.00         | 100         | Horizontal | Pass    |
| 6   | 15809.438       | 53.61            | 2.18        | 74.0           | -20.39          | Peak     | 177.00         | 100         | Horizontal | Pass    |
| 6** | 15809.438       | 46.05            | 2.18        | 54.0           | -7.95           | AV       | 177.00         | 100         | Horizontal | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1153.700        | 35.79            | -18.03      | 74.0           | -38.21          | Peak     | 318.00         | 150         | Vertical | Pass    |
| 1** | 1153.700        | 27.41            | -18.03      | 54.0           | -26.59          | AV       | 318.00         | 150         | Vertical | Pass    |
| 2   | 2786.900        | 41.87            | -10.49      | 74.0           | -32.13          | Peak     | 270.00         | 150         | Vertical | Pass    |
| 2** | 2786.900        | 32.72            | -10.49      | 54.0           | -21.28          | AV       | 270.00         | 150         | Vertical | Pass    |
| 3   | 3869.400        | 46.23            | -5.91       | 74.0           | -27.77          | Peak     | 95.00          | 150         | Vertical | Pass    |
| 3** | 3869.400        | 36.74            | -5.91       | 54.0           | -17.26          | AV       | 95.00          | 150         | Vertical | Pass    |
| 4   | 5191.400        | 93.05            | -2.63       | --             | --              | Peak     | 218.00         | 150         | Vertical | N/A     |
| 4** | 5191.400        | 87.08            | -2.63       | --             | --              | AV       | 218.00         | 150         | Vertical | N/A     |
| 5   | 11817.925       | 49.79            | 1.01        | 74.0           | -24.21          | Peak     | 234.00         | 150         | Vertical | Pass    |
| 5** | 11817.925       | 39.83            | 1.01        | 54.0           | -14.17          | AV       | 234.00         | 150         | Vertical | Pass    |
| 6   | 15627.000       | 53.34            | 1.71        | 74.0           | -20.66          | Peak     | 24.00          | 150         | Vertical | Pass    |
| 6** | 15627.000       | 45.00            | 1.71        | 54.0           | -9.00           | AV       | 24.00          | 150         | Vertical | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1143.900        | 36.27            | -18.27      | 74.0           | -37.73          | Peak     | 67.00          | 150         | Horizontal | Pass    |
| 1** | 1143.900        | 26.93            | -18.27      | 54.0           | -27.07          | AV       | 67.00          | 150         | Horizontal | Pass    |
| 2   | 2784.700        | 42.71            | -10.54      | 74.0           | -31.29          | Peak     | 8.00           | 150         | Horizontal | Pass    |
| 2** | 2784.700        | 33.41            | -10.54      | 54.0           | -20.59          | AV       | 8.00           | 150         | Horizontal | Pass    |
| 3   | 4039.400        | 46.19            | -4.80       | 74.0           | -27.81          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 3** | 4039.400        | 37.36            | -4.80       | 54.0           | -16.64          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 4   | 5243.000        | 99.52            | -2.69       | --             | --              | Peak     | 267.00         | 150         | Horizontal | N/A     |
| 4** | 5243.000        | 92.68            | -2.69       | --             | --              | AV       | 267.00         | 150         | Horizontal | N/A     |
| 5   | 12116.638       | 50.40            | 0.56        | 74.0           | -23.60          | Peak     | 339.00         | 150         | Horizontal | Pass    |
| 5** | 12116.638       | 41.54            | 0.56        | 54.0           | -12.46          | AV       | 339.00         | 150         | Horizontal | Pass    |
| 6   | 15802.350       | 53.04            | 2.30        | 74.0           | -20.96          | Peak     | 243.00         | 150         | Horizontal | Pass    |
| 6** | 15802.350       | 44.93            | 2.30        | 54.0           | -9.07           | AV       | 243.00         | 150         | Horizontal | Pass    |

## 11n40, Band 1, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1105.400        | 35.16            | -18.47      | 74.0           | -38.84          | Peak     | 185.00         | 150         | Vertical | Pass    |
| 1** | 1105.400        | 25.73            | -18.47      | 54.0           | -28.27          | AV       | 185.00         | 150         | Vertical | Pass    |
| 2   | 2786.500        | 42.01            | -10.47      | 74.0           | -31.99          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2786.500        | 33.09            | -10.47      | 54.0           | -20.91          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 4066.200        | 46.47            | -5.40       | 74.0           | -27.53          | Peak     | 181.00         | 150         | Vertical | Pass    |
| 3** | 4066.200        | 37.80            | -5.40       | 54.0           | -16.20          | AV       | 181.00         | 150         | Vertical | Pass    |
| 4   | 5232.000        | 94.22            | -2.88       | --             | --              | Peak     | 327.00         | 150         | Vertical | N/A     |
| 4** | 5232.000        | 87.96            | -2.88       | --             | --              | AV       | 327.00         | 150         | Vertical | N/A     |
| 5   | 11064.100       | 50.13            | -0.93       | 74.0           | -23.87          | Peak     | 126.00         | 150         | Vertical | Pass    |
| 5** | 11064.100       | 40.80            | -0.93       | 54.0           | -13.20          | AV       | 126.00         | 150         | Vertical | Pass    |
| 6   | 15812.325       | 53.52            | 2.12        | 74.0           | -20.48          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15812.325       | 44.52            | 2.12        | 54.0           | -9.48           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1105.400        | 35.73            | -18.47      | 74.0           | -38.27          | Peak     | 361.00         | 150         | Horizontal | Pass    |
| 1** | 1105.400        | 27.28            | -18.47      | 54.0           | -26.72          | AV       | 361.00         | 150         | Horizontal | Pass    |
| 2   | 2812.500        | 42.21            | -10.09      | 74.0           | -31.79          | Peak     | 18.00          | 150         | Horizontal | Pass    |
| 2** | 2812.500        | 33.38            | -10.09      | 54.0           | -20.62          | AV       | 18.00          | 150         | Horizontal | Pass    |
| 3   | 4067.200        | 46.41            | -5.49       | 74.0           | -27.59          | Peak     | 172.00         | 150         | Horizontal | Pass    |
| 3** | 4067.200        | 37.55            | -5.49       | 54.0           | -16.45          | AV       | 172.00         | 150         | Horizontal | Pass    |
| 4   | 5184.200        | 97.45            | -2.81       | --             | --              | Peak     | 262.00         | 150         | Horizontal | N/A     |
| 4** | 5184.200        | 90.63            | -2.81       | --             | --              | AV       | 262.00         | 150         | Horizontal | N/A     |
| 5   | 11542.787       | 50.41            | -0.56       | 74.0           | -23.59          | Peak     | 253.00         | 150         | Horizontal | Pass    |
| 5** | 11542.787       | 40.09            | -0.56       | 54.0           | -13.91          | AV       | 253.00         | 150         | Horizontal | Pass    |
| 6   | 15801.037       | 53.77            | 2.32        | 74.0           | -20.23          | Peak     | 330.00         | 150         | Horizontal | Pass    |
| 6** | 15801.037       | 45.13            | 2.32        | 54.0           | -8.87           | AV       | 330.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.500        | 37.09            | -18.39      | 74.0           | -36.91          | Peak     | 68.00          | 150         | Vertical | Pass    |
| 1** | 1064.500        | 29.60            | -18.39      | 54.0           | -24.40          | AV       | 68.00          | 150         | Vertical | Pass    |
| 2   | 2832.800        | 42.36            | -10.33      | 74.0           | -31.64          | Peak     | 319.00         | 150         | Vertical | Pass    |
| 2** | 2832.800        | 33.17            | -10.33      | 54.0           | -20.83          | AV       | 319.00         | 150         | Vertical | Pass    |
| 3   | 4046.600        | 46.73            | -4.80       | 74.0           | -27.27          | Peak     | 142.00         | 150         | Vertical | Pass    |
| 3** | 4046.600        | 37.47            | -4.80       | 54.0           | -16.53          | AV       | 142.00         | 150         | Vertical | Pass    |
| 4   | 5175.600        | 90.29            | -2.86       | --             | --              | Peak     | 326.00         | 150         | Vertical | N/A     |
| 4** | 5175.600        | 83.21            | -2.86       | --             | --              | AV       | 326.00         | 150         | Vertical | N/A     |
| 5   | 12106.287       | 50.31            | 0.59        | 74.0           | -23.69          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 12106.287       | 40.28            | 0.59        | 54.0           | -13.72          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 16009.463       | 53.88            | 0.43        | 74.0           | -20.12          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 16009.463       | 45.35            | 0.43        | 54.0           | -8.65           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1131.200        | 35.56            | -18.34      | 74.0           | -38.44          | Peak     | 3.00           | 150         | Horizontal | Pass    |
| 1** | 1131.200        | 26.97            | -18.34      | 54.0           | -27.03          | AV       | 3.00           | 150         | Horizontal | Pass    |
| 2   | 2774.200        | 42.32            | -10.48      | 74.0           | -31.68          | Peak     | 248.00         | 150         | Horizontal | Pass    |
| 2** | 2774.200        | 33.17            | -10.48      | 54.0           | -20.83          | AV       | 248.00         | 150         | Horizontal | Pass    |
| 3   | 3853.800        | 46.27            | -5.84       | 74.0           | -27.73          | Peak     | 207.00         | 150         | Horizontal | Pass    |
| 3** | 3853.800        | 37.11            | -5.84       | 54.0           | -16.89          | AV       | 207.00         | 150         | Horizontal | Pass    |
| 4   | 5213.600        | 96.37            | -2.85       | --             | --              | Peak     | 270.00         | 150         | Horizontal | N/A     |
| 4** | 5213.600        | 89.68            | -2.85       | --             | --              | AV       | 270.00         | 150         | Horizontal | N/A     |
| 5   | 10975.838       | 49.90            | -0.48       | 74.0           | -24.10          | Peak     | 340.00         | 150         | Horizontal | Pass    |
| 5** | 10975.838       | 41.02            | -0.48       | 54.0           | -12.98          | AV       | 340.00         | 150         | Horizontal | Pass    |
| 6   | 15795.262       | 53.55            | 2.18        | 74.0           | -20.45          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15795.262       | 46.10            | 2.18        | 54.0           | -7.90           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1161.600        | 35.69            | -18.03      | 74.0           | -38.31          | Peak     | 200.00         | 150         | Vertical | Pass    |
| 1** | 1161.600        | 26.02            | -18.03      | 54.0           | -27.98          | AV       | 200.00         | 150         | Vertical | Pass    |
| 2   | 2796.700        | 42.50            | -10.63      | 74.0           | -31.50          | Peak     | 3.00           | 150         | Vertical | Pass    |
| 2** | 2796.700        | 33.47            | -10.63      | 54.0           | -20.53          | AV       | 3.00           | 150         | Vertical | Pass    |
| 3   | 4053.600        | 46.84            | -4.88       | 74.0           | -27.16          | Peak     | 267.00         | 150         | Vertical | Pass    |
| 3** | 4053.600        | 38.53            | -4.88       | 54.0           | -15.47          | AV       | 267.00         | 150         | Vertical | Pass    |
| 4   | 5224.600        | 91.06            | -3.04       | --             | --              | Peak     | 328.00         | 150         | Vertical | N/A     |
| 4** | 5224.600        | 84.75            | -3.04       | --             | --              | AV       | 328.00         | 150         | Vertical | N/A     |
| 5   | 11924.875       | 50.59            | 1.51        | 74.0           | -23.41          | Peak     | 177.00         | 150         | Vertical | Pass    |
| 5** | 11924.875       | 40.52            | 1.51        | 54.0           | -13.48          | AV       | 177.00         | 150         | Vertical | Pass    |
| 6   | 15810.224       | 52.78            | 2.16        | 74.0           | -21.22          | Peak     | 317.00         | 150         | Vertical | Pass    |
| 6** | 15810.224       | 45.31            | 2.16        | 54.0           | -8.69           | AV       | 317.00         | 150         | Vertical | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1076.500        | 35.57            | -18.53      | 74.0           | -38.43          | Peak     | 47.00          | 150         | Horizontal | Pass    |
| 1** | 1076.500        | 27.96            | -18.53      | 54.0           | -26.04          | AV       | 47.00          | 150         | Horizontal | Pass    |
| 2   | 2757.000        | 42.23            | -10.79      | 74.0           | -31.77          | Peak     | 20.00          | 150         | Horizontal | Pass    |
| 2** | 2757.000        | 33.85            | -10.79      | 54.0           | -20.15          | AV       | 20.00          | 150         | Horizontal | Pass    |
| 3   | 4228.800        | 46.74            | -4.53       | 74.0           | -27.26          | Peak     | 271.00         | 150         | Horizontal | Pass    |
| 3** | 4228.800        | 38.21            | -4.53       | 54.0           | -15.79          | AV       | 271.00         | 150         | Horizontal | Pass    |
| 4   | 5243.400        | 97.45            | -2.67       | --             | --              | Peak     | 271.00         | 150         | Horizontal | N/A     |
| 4** | 5243.400        | 90.43            | -2.67       | --             | --              | AV       | 271.00         | 150         | Horizontal | N/A     |
| 5   | 11352.463       | 49.99            | -0.09       | 74.0           | -24.01          | Peak     | 14.00          | 150         | Horizontal | Pass    |
| 5** | 11352.463       | 40.07            | -0.09       | 54.0           | -13.93          | AV       | 14.00          | 150         | Horizontal | Pass    |
| 6   | 15532.237       | 53.99            | 0.97        | 74.0           | -20.01          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15532.237       | 44.76            | 0.97        | 54.0           | -9.24           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 1, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1166.700        | 35.86            | -18.18      | 74.0           | -38.14          | Peak     | 14.00          | 150         | Vertical | Pass    |
| 1** | 1166.700        | 27.32            | -18.18      | 54.0           | -26.68          | AV       | 14.00          | 150         | Vertical | Pass    |
| 2   | 2779.400        | 43.16            | -10.43      | 74.0           | -30.84          | Peak     | 233.00         | 150         | Vertical | Pass    |
| 2** | 2779.400        | 32.95            | -10.43      | 54.0           | -21.05          | AV       | 233.00         | 150         | Vertical | Pass    |
| 3   | 4214.400        | 47.42            | -5.23       | 74.0           | -26.58          | Peak     | 9.00           | 150         | Vertical | Pass    |
| 3** | 4214.400        | 36.71            | -5.23       | 54.0           | -17.29          | AV       | 9.00           | 150         | Vertical | Pass    |
| 4   | 5235.200        | 92.62            | -2.85       | --             | --              | Peak     | 327.00         | 150         | Vertical | N/A     |
| 4** | 5235.200        | 85.31            | -2.85       | --             | --              | AV       | 327.00         | 150         | Vertical | N/A     |
| 5   | 12059.713       | 50.65            | 0.94        | 74.0           | -23.35          | Peak     | 3.00           | 150         | Vertical | Pass    |
| 5** | 12059.713       | 41.07            | 0.94        | 54.0           | -12.93          | AV       | 3.00           | 150         | Vertical | Pass    |
| 6   | 15839.100       | 53.49            | 1.45        | 74.0           | -20.51          | Peak     | 122.00         | 150         | Vertical | Pass    |
| 6** | 15839.100       | 44.40            | 1.45        | 54.0           | -9.60           | AV       | 122.00         | 150         | Vertical | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1153.000        | 35.92            | -18.00      | 74.0           | -38.08          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 1** | 1153.000        | 26.65            | -18.00      | 54.0           | -27.35          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 2   | 2793.000        | 41.96            | -10.68      | 74.0           | -32.04          | Peak     | 334.00         | 150         | Horizontal | Pass    |
| 2** | 2793.000        | 33.16            | -10.68      | 54.0           | -20.84          | AV       | 334.00         | 150         | Horizontal | Pass    |
| 3   | 4049.000        | 47.11            | -4.71       | 74.0           | -26.89          | Peak     | 107.00         | 150         | Horizontal | Pass    |
| 3** | 4049.000        | 37.33            | -4.71       | 54.0           | -16.67          | AV       | 107.00         | 150         | Horizontal | Pass    |
| 4   | 5191.800        | 97.75            | -2.65       | --             | --              | Peak     | 253.00         | 150         | Horizontal | N/A     |
| 4** | 5191.800        | 90.92            | -2.65       | --             | --              | AV       | 253.00         | 150         | Horizontal | N/A     |
| 5   | 12000.487       | 50.19            | 1.28        | 74.0           | -23.81          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 12000.487       | 41.11            | 1.28        | 54.0           | -12.89          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15529.088       | 53.19            | 1.16        | 74.0           | -20.81          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15529.088       | 43.48            | 1.16        | 54.0           | -10.52          | AV       | 0.00           | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1159.100        | 35.50            | -18.11      | 74.0           | -38.50          | Peak     | 24.00          | 150         | Vertical | Pass    |
| 1** | 1159.100        | 25.95            | -18.11      | 54.0           | -28.05          | AV       | 24.00          | 150         | Vertical | Pass    |
| 2   | 2818.400        | 42.20            | -10.22      | 74.0           | -31.80          | Peak     | 271.00         | 150         | Vertical | Pass    |
| 2** | 2818.400        | 33.09            | -10.22      | 54.0           | -20.91          | AV       | 271.00         | 150         | Vertical | Pass    |
| 3   | 4023.200        | 46.76            | -5.13       | 74.0           | -27.24          | Peak     | 216.00         | 150         | Vertical | Pass    |
| 3** | 4023.200        | 37.67            | -5.13       | 54.0           | -16.33          | AV       | 216.00         | 150         | Vertical | Pass    |
| 4   | 5193.200        | 89.23            | -2.76       | --             | --              | Peak     | 203.00         | 150         | Vertical | N/A     |
| 4** | 5193.200        | 82.97            | -2.76       | --             | --              | AV       | 203.00         | 150         | Vertical | N/A     |
| 5   | 12091.912       | 50.17            | 0.52        | 74.0           | -23.83          | Peak     | 304.00         | 150         | Vertical | Pass    |
| 5** | 12091.912       | 41.32            | 0.52        | 54.0           | -12.68          | AV       | 304.00         | 150         | Vertical | Pass    |
| 6   | 15789.487       | 53.06            | 1.99        | 74.0           | -20.94          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15789.487       | 44.94            | 1.99        | 54.0           | -9.06           | AV       | 0.00           | 150         | Vertical | Pass    |

## 11ac40, Band 1, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1070.300        | 35.96            | -18.47      | 74.0           | -38.04          | Peak     | 137.00         | 150         | Horizontal | Pass    |
| 1** | 1070.300        | 29.62            | -18.47      | 54.0           | -24.38          | AV       | 137.00         | 150         | Horizontal | Pass    |
| 2   | 2736.000        | 43.04            | -10.98      | 74.0           | -30.96          | Peak     | 246.00         | 150         | Horizontal | Pass    |
| 2** | 2736.000        | 32.88            | -10.98      | 54.0           | -21.12          | AV       | 246.00         | 150         | Horizontal | Pass    |
| 3   | 4146.600        | 46.60            | -4.88       | 74.0           | -27.40          | Peak     | 351.00         | 150         | Horizontal | Pass    |
| 3** | 4146.600        | 37.57            | -4.88       | 54.0           | -16.43          | AV       | 351.00         | 150         | Horizontal | Pass    |
| 4   | 5231.800        | 96.56            | -2.89       | --             | --              | Peak     | 251.00         | 150         | Horizontal | N/A     |
| 4** | 5231.800        | 90.14            | -2.89       | --             | --              | AV       | 251.00         | 150         | Horizontal | N/A     |
| 5   | 12094.213       | 49.86            | 0.51        | 74.0           | -24.14          | Peak     | 131.00         | 150         | Horizontal | Pass    |
| 5** | 12094.213       | 41.75            | 0.51        | 54.0           | -12.25          | AV       | 131.00         | 150         | Horizontal | Pass    |
| 6   | 15812.062       | 53.04            | 2.12        | 74.0           | -20.96          | Peak     | 175.00         | 150         | Horizontal | Pass    |
| 6** | 15812.062       | 44.80            | 2.12        | 54.0           | -9.20           | AV       | 175.00         | 150         | Horizontal | Pass    |

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

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1118.100        | 35.00            | -18.60      | 74.0           | -39.00          | Peak     | 209.00         | 150         | Vertical | Pass    |
| 1** | 1118.100        | 25.87            | -18.60      | 54.0           | -28.13          | AV       | 209.00         | 150         | Vertical | Pass    |
| 2   | 2785.000        | 41.95            | -10.52      | 74.0           | -32.05          | Peak     | 17.00          | 150         | Vertical | Pass    |
| 2** | 2785.000        | 33.49            | -10.52      | 54.0           | -20.51          | AV       | 17.00          | 150         | Vertical | Pass    |
| 3   | 4242.000        | 46.44            | -4.87       | 74.0           | -27.56          | Peak     | 338.00         | 150         | Vertical | Pass    |
| 3** | 4242.000        | 38.16            | -4.87       | 54.0           | -15.84          | AV       | 338.00         | 150         | Vertical | Pass    |
| 4   | 5225.800        | 90.83            | -3.05       | --             | --              | Peak     | 313.00         | 150         | Vertical | N/A     |
| 4** | 5225.800        | 83.66            | -3.05       | --             | --              | AV       | 313.00         | 150         | Vertical | N/A     |
| 5   | 11942.700       | 50.31            | 1.61        | 74.0           | -23.69          | Peak     | 74.00          | 150         | Vertical | Pass    |
| 5** | 11942.700       | 41.55            | 1.61        | 54.0           | -12.45          | AV       | 74.00          | 150         | Vertical | Pass    |
| 6   | 15515.437       | 53.95            | 1.40        | 74.0           | -20.05          | Peak     | 207.00         | 150         | Vertical | Pass    |
| 6** | 15515.437       | 44.18            | 1.40        | 54.0           | -9.82           | AV       | 207.00         | 150         | Vertical | Pass    |

## 11ac80, Band 1, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1166.900        | 36.15            | -18.19      | 74.0           | -37.85          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1166.900        | 28.23            | -18.19      | 54.0           | -25.77          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2799.600        | 42.61            | -10.56      | 74.0           | -31.39          | Peak     | 208.00         | 150         | Horizontal | Pass    |
| 2** | 2799.600        | 32.75            | -10.56      | 54.0           | -21.25          | AV       | 208.00         | 150         | Horizontal | Pass    |
| 3   | 4031.000        | 46.32            | -5.05       | 74.0           | -27.68          | Peak     | 263.00         | 150         | Horizontal | Pass    |
| 3** | 4031.000        | 37.50            | -5.05       | 54.0           | -16.50          | AV       | 263.00         | 150         | Horizontal | Pass    |
| 4   | 5191.800        | 92.43            | -2.65       | --             | --              | Peak     | 249.00         | 150         | Horizontal | N/A     |
| 4** | 5191.800        | 85.54            | -2.65       | --             | --              | AV       | 249.00         | 150         | Horizontal | N/A     |
| 5   | 11944.138       | 50.23            | 1.56        | 74.0           | -23.77          | Peak     | 302.00         | 150         | Horizontal | Pass    |
| 5** | 11944.138       | 41.53            | 1.56        | 54.0           | -12.47          | AV       | 302.00         | 150         | Horizontal | Pass    |
| 6   | 15798.412       | 53.38            | 2.28        | 74.0           | -20.62          | Peak     | 119.00         | 150         | Horizontal | Pass    |
| 6** | 15798.412       | 45.48            | 2.28        | 54.0           | -8.52           | AV       | 119.00         | 150         | Horizontal | Pass    |

## 11ac80, Band 1, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1060.600        | 35.30            | -18.40      | 74.0           | -38.70          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 1** | 1060.600        | 27.11            | -18.40      | 54.0           | -26.89          | AV       | 0.00           | 150         | Vertical | Pass    |
| 2   | 2805.100        | 42.28            | -10.36      | 74.0           | -31.72          | Peak     | 286.00         | 150         | Vertical | Pass    |
| 2** | 2805.100        | 33.22            | -10.36      | 54.0           | -20.78          | AV       | 286.00         | 150         | Vertical | Pass    |
| 3   | 3830.800        | 46.01            | -4.95       | 74.0           | -27.99          | Peak     | 289.00         | 150         | Vertical | Pass    |
| 3** | 3830.800        | 37.65            | -4.95       | 54.0           | -16.35          | AV       | 289.00         | 150         | Vertical | Pass    |
| 4   | 5227.600        | 86.96            | -2.93       | --             | --              | Peak     | 314.00         | 150         | Vertical | N/A     |
| 4** | 5227.600        | 79.55            | -2.93       | --             | --              | AV       | 314.00         | 150         | Vertical | N/A     |
| 5   | 11662.963       | 50.14            | 0.15        | 74.0           | -23.86          | Peak     | 267.00         | 150         | Vertical | Pass    |
| 5** | 11662.963       | 42.56            | 0.15        | 54.0           | -11.44          | AV       | 267.00         | 150         | Vertical | Pass    |
| 6   | 15515.700       | 53.96            | 1.40        | 74.0           | -20.04          | Peak     | 135.00         | 150         | Vertical | Pass    |
| 6** | 15515.700       | 45.03            | 1.40        | 54.0           | -8.97           | AV       | 135.00         | 150         | Vertical | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.700        | 38.10            | -18.41      | 74.0           | -35.90          | Peak     | 292.00         | 150         | Horizontal | Pass    |
| 1** | 1063.700        | 28.62            | -18.41      | 54.0           | -25.38          | AV       | 292.00         | 150         | Horizontal | Pass    |
| 2   | 2805.600        | 42.40            | -10.35      | 74.0           | -31.60          | Peak     | 102.00         | 150         | Horizontal | Pass    |
| 2** | 2805.600        | 33.96            | -10.35      | 54.0           | -20.04          | AV       | 102.00         | 150         | Horizontal | Pass    |
| 3   | 3953.600        | 45.94            | -4.67       | 74.0           | -28.06          | Peak     | 168.00         | 150         | Horizontal | Pass    |
| 3** | 3953.600        | 38.29            | -4.67       | 54.0           | -15.71          | AV       | 168.00         | 150         | Horizontal | Pass    |
| 4   | 5739.200        | 101.47           | -2.34       | --             | --              | Peak     | 360.00         | 150         | Horizontal | N/A     |
| 4** | 5739.200        | 95.78            | -2.34       | --             | --              | AV       | 360.00         | 150         | Horizontal | N/A     |
| 5   | 11306.750       | 50.11            | 0.31        | 74.0           | -23.89          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 5** | 11306.750       | 40.93            | 0.31        | 54.0           | -13.07          | AV       | 0.00           | 150         | Horizontal | Pass    |
| 6   | 15778.463       | 53.10            | 1.46        | 74.0           | -20.90          | Peak     | 46.00          | 150         | Horizontal | Pass    |
| 6** | 15778.463       | 44.48            | 1.46        | 54.0           | -9.52           | AV       | 46.00          | 150         | Horizontal | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1063.600        | 38.43            | -18.41      | 74.0           | -35.57          | Peak     | 20.00          | 150         | Vertical | Pass    |
| 1** | 1063.600        | 29.52            | -18.41      | 54.0           | -24.48          | AV       | 20.00          | 150         | Vertical | Pass    |
| 2   | 2820.600        | 43.05            | -10.20      | 74.0           | -30.95          | Peak     | 43.00          | 150         | Vertical | Pass    |
| 2** | 2820.600        | 33.89            | -10.20      | 54.0           | -20.11          | AV       | 43.00          | 150         | Vertical | Pass    |
| 3   | 4021.600        | 46.81            | -5.10       | 74.0           | -27.19          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 3** | 4021.600        | 36.83            | -5.10       | 54.0           | -17.17          | AV       | 150.00         | 150         | Vertical | Pass    |
| 4   | 5738.600        | 96.65            | -2.32       | --             | --              | Peak     | 126.00         | 150         | Vertical | N/A     |
| 4** | 5738.600        | 89.59            | -2.32       | --             | --              | AV       | 126.00         | 150         | Vertical | N/A     |
| 5   | 12174.713       | 50.47            | 0.68        | 74.0           | -23.53          | Peak     | 49.00          | 150         | Vertical | Pass    |
| 5** | 12174.713       | 40.38            | 0.68        | 54.0           | -13.62          | AV       | 49.00          | 150         | Vertical | Pass    |
| 6   | 15631.200       | 53.31            | 1.67        | 74.0           | -20.69          | Peak     | 288.00         | 150         | Vertical | Pass    |
| 6** | 15631.200       | 44.46            | 1.67        | 54.0           | -9.54           | AV       | 288.00         | 150         | Vertical | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.500        | 38.54            | -18.41      | 74.0           | -35.46          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 1** | 1063.500        | 29.14            | -18.41      | 54.0           | -24.86          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 2   | 2785.500        | 42.65            | -10.49      | 74.0           | -31.35          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2785.500        | 33.42            | -10.49      | 54.0           | -20.58          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4050.000        | 47.52            | -4.74       | 74.0           | -26.48          | Peak     | 285.00         | 150         | Horizontal | Pass    |
| 3** | 4050.000        | 37.60            | -4.74       | 54.0           | -16.40          | AV       | 285.00         | 150         | Horizontal | Pass    |
| 4   | 5789.800        | 102.10           | -2.53       | --             | --              | Peak     | 360.00         | 150         | Horizontal | N/A     |
| 4** | 5789.800        | 95.39            | -2.53       | --             | --              | AV       | 360.00         | 150         | Horizontal | N/A     |
| 5   | 12277.925       | 50.69            | 1.73        | 74.0           | -23.31          | Peak     | 87.00          | 150         | Horizontal | Pass    |
| 5** | 12277.925       | 42.03            | 1.73        | 54.0           | -11.97          | AV       | 87.00          | 150         | Horizontal | Pass    |
| 6   | 15537.487       | 53.11            | 0.72        | 74.0           | -20.89          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15537.487       | 43.78            | 0.72        | 54.0           | -10.22          | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.900        | 37.90            | -18.38      | 74.0           | -36.10          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1064.900        | 29.38            | -18.38      | 54.0           | -24.62          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2731.400        | 43.43            | -10.93      | 74.0           | -30.57          | Peak     | 83.00          | 150         | Vertical | Pass    |
| 2** | 2731.400        | 33.56            | -10.93      | 54.0           | -20.44          | AV       | 83.00          | 150         | Vertical | Pass    |
| 3   | 3996.000        | 47.13            | -5.30       | 74.0           | -26.87          | Peak     | 211.00         | 150         | Vertical | Pass    |
| 3** | 3996.000        | 37.20            | -5.30       | 54.0           | -16.80          | AV       | 211.00         | 150         | Vertical | Pass    |
| 4   | 5789.200        | 96.11            | -2.50       | --             | --              | Peak     | 113.00         | 150         | Vertical | N/A     |
| 4** | 5789.200        | 88.98            | -2.50       | --             | --              | AV       | 113.00         | 150         | Vertical | N/A     |
| 5   | 11692.862       | 49.30            | 0.20        | 74.0           | -24.70          | Peak     | 194.00         | 150         | Vertical | Pass    |
| 5** | 11692.862       | 39.26            | 0.20        | 54.0           | -14.74          | AV       | 194.00         | 150         | Vertical | Pass    |
| 6   | 15790.012       | 53.13            | 2.01        | 74.0           | -20.87          | Peak     | 169.00         | 150         | Vertical | Pass    |
| 6** | 15790.012       | 45.40            | 2.01        | 54.0           | -8.60           | AV       | 169.00         | 150         | Vertical | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1063.700        | 38.58            | -18.41      | 74.0           | -35.42          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 1** | 1063.700        | 30.38            | -18.41      | 54.0           | -23.62          | AV       | 343.00         | 150         | Horizontal | Pass    |
| 2   | 2786.600        | 42.63            | -10.48      | 74.0           | -31.37          | Peak     | 207.00         | 150         | Horizontal | Pass    |
| 2** | 2786.600        | 33.94            | -10.48      | 54.0           | -20.06          | AV       | 207.00         | 150         | Horizontal | Pass    |
| 3   | 3915.200        | 46.76            | -5.43       | 74.0           | -27.24          | Peak     | 134.00         | 150         | Horizontal | Pass    |
| 3** | 3915.200        | 36.60            | -5.43       | 54.0           | -17.40          | AV       | 134.00         | 150         | Horizontal | Pass    |
| 4   | 5821.600        | 102.30           | -2.50       | --             | --              | Peak     | 0.00           | 150         | Horizontal | N/A     |
| 4** | 5821.600        | 96.07            | -2.50       | --             | --              | AV       | 0.00           | 150         | Horizontal | N/A     |
| 5   | 11066.974       | 50.24            | -1.00       | 74.0           | -23.76          | Peak     | 21.00          | 150         | Horizontal | Pass    |
| 5** | 11066.974       | 41.57            | -1.00       | 54.0           | -12.43          | AV       | 21.00          | 150         | Horizontal | Pass    |
| 6   | 16018.125       | 53.40            | 0.50        | 74.0           | -20.60          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 16018.125       | 44.65            | 0.50        | 54.0           | -9.35           | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11a, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1064.300        | 36.85            | -18.39      | 74.0           | -37.15          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1064.300        | 30.45            | -18.39      | 54.0           | -23.55          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2803.000        | 42.76            | -10.43      | 74.0           | -31.24          | Peak     | 307.00         | 150         | Vertical | Pass    |
| 2** | 2803.000        | 33.65            | -10.43      | 54.0           | -20.35          | AV       | 307.00         | 150         | Vertical | Pass    |
| 3   | 4046.600        | 46.53            | -4.80       | 74.0           | -27.47          | Peak     | 276.00         | 150         | Vertical | Pass    |
| 3** | 4046.600        | 38.63            | -4.80       | 54.0           | -15.37          | AV       | 276.00         | 150         | Vertical | Pass    |
| 4   | 5818.800        | 96.07            | -2.54       | --             | --              | Peak     | 115.00         | 150         | Vertical | N/A     |
| 4** | 5818.800        | 90.23            | -2.54       | --             | --              | AV       | 115.00         | 150         | Vertical | N/A     |
| 5   | 11762.725       | 50.27            | 1.27        | 74.0           | -23.73          | Peak     | 135.00         | 150         | Vertical | Pass    |
| 5** | 11762.725       | 41.22            | 1.27        | 54.0           | -12.78          | AV       | 135.00         | 150         | Vertical | Pass    |
| 6   | 15801.562       | 54.20            | 2.31        | 74.0           | -19.80          | Peak     | 31.00          | 150         | Vertical | Pass    |
| 6** | 15801.562       | 44.82            | 2.31        | 54.0           | -9.18           | AV       | 31.00          | 150         | Vertical | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1064.000        | 37.91            | -18.40      | 74.0           | -36.09          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 1** | 1064.000        | 29.12            | -18.40      | 54.0           | -24.88          | AV       | 283.00         | 150         | Horizontal | Pass    |
| 2   | 2839.100        | 43.05            | -10.25      | 74.0           | -30.95          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 2** | 2839.100        | 33.19            | -10.25      | 54.0           | -20.81          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 3   | 4048.200        | 46.42            | -4.69       | 74.0           | -27.58          | Peak     | 39.00          | 150         | Horizontal | Pass    |
| 3** | 4048.200        | 37.49            | -4.69       | 54.0           | -16.51          | AV       | 39.00          | 150         | Horizontal | Pass    |
| 4   | 5738.000        | 102.38           | -2.29       | --             | --              | Peak     | 360.00         | 150         | Horizontal | N/A     |
| 4** | 5738.000        | 96.04            | -2.29       | --             | --              | AV       | 360.00         | 150         | Horizontal | N/A     |
| 5   | 11993.300       | 49.73            | 1.19        | 74.0           | -24.27          | Peak     | 149.00         | 150         | Horizontal | Pass    |
| 5** | 11993.300       | 41.10            | 1.19        | 54.0           | -12.90          | AV       | 149.00         | 150         | Horizontal | Pass    |
| 6   | 15625.425       | 52.97            | 1.72        | 74.0           | -21.03          | Peak     | 233.00         | 150         | Horizontal | Pass    |
| 6** | 15625.425       | 44.55            | 1.72        | 54.0           | -9.45           | AV       | 233.00         | 150         | Horizontal | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.600        | 37.73            | -18.43      | 74.0           | -36.27          | Peak     | 344.00         | 150         | Vertical | Pass    |
| 1** | 1066.600        | 26.36            | -18.43      | 54.0           | -27.64          | AV       | 344.00         | 150         | Vertical | Pass    |
| 2   | 2775.500        | 42.34            | -10.48      | 74.0           | -31.66          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 2** | 2775.500        | 33.25            | -10.48      | 54.0           | -20.75          | AV       | 0.00           | 150         | Vertical | Pass    |
| 3   | 3953.000        | 47.52            | -4.64       | 74.0           | -26.48          | Peak     | 310.00         | 150         | Vertical | Pass    |
| 3** | 3953.000        | 36.62            | -4.64       | 54.0           | -17.38          | AV       | 310.00         | 150         | Vertical | Pass    |
| 4   | 5751.000        | 95.80            | -2.17       | --             | --              | Peak     | 123.00         | 150         | Vertical | N/A     |
| 4** | 5751.000        | 89.40            | -2.17       | --             | --              | AV       | 123.00         | 150         | Vertical | N/A     |
| 5   | 11321.987       | 49.80            | 0.54        | 74.0           | -24.20          | Peak     | 20.00          | 150         | Vertical | Pass    |
| 5** | 11321.987       | 40.73            | 0.54        | 54.0           | -13.27          | AV       | 20.00          | 150         | Vertical | Pass    |
| 6   | 15633.825       | 53.46            | 1.59        | 74.0           | -20.54          | Peak     | 26.00          | 150         | Vertical | Pass    |
| 6** | 15633.825       | 43.96            | 1.59        | 54.0           | -10.04          | AV       | 26.00          | 150         | Vertical | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1066.700        | 38.63            | -18.44      | 74.0           | -35.37          | Peak     | 282.00         | 150         | Horizontal | Pass    |
| 1** | 1066.700        | 26.85            | -18.44      | 54.0           | -27.15          | AV       | 282.00         | 150         | Horizontal | Pass    |
| 2   | 2788.000        | 42.40            | -10.55      | 74.0           | -31.60          | Peak     | 343.00         | 150         | Horizontal | Pass    |
| 2** | 2788.000        | 33.67            | -10.55      | 54.0           | -20.33          | AV       | 343.00         | 150         | Horizontal | Pass    |
| 3   | 4222.200        | 47.23            | -4.88       | 74.0           | -26.77          | Peak     | 58.00          | 150         | Horizontal | Pass    |
| 3** | 4222.200        | 37.55            | -4.88       | 54.0           | -16.45          | AV       | 58.00          | 150         | Horizontal | Pass    |
| 4   | 5786.000        | 101.73           | -2.43       | --             | --              | Peak     | 0.00           | 150         | Horizontal | N/A     |
| 4** | 5786.000        | 94.14            | -2.43       | --             | --              | AV       | 0.00           | 150         | Horizontal | N/A     |
| 5   | 11907.049       | 49.98            | 1.57        | 74.0           | -24.02          | Peak     | 342.00         | 150         | Horizontal | Pass    |
| 5** | 11907.049       | 40.72            | 1.57        | 54.0           | -13.28          | AV       | 342.00         | 150         | Horizontal | Pass    |
| 6   | 15794.475       | 53.35            | 2.15        | 74.0           | -20.65          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 6** | 15794.475       | 44.42            | 2.15        | 54.0           | -9.58           | AV       | 360.00         | 150         | Horizontal | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1066.600        | 37.37            | -18.43      | 74.0           | -36.63          | Peak     | 343.00         | 150         | Vertical | Pass    |
| 1** | 1066.600        | 29.52            | -18.43      | 54.0           | -24.48          | AV       | 343.00         | 150         | Vertical | Pass    |
| 2   | 2814.700        | 42.14            | -10.07      | 74.0           | -31.86          | Peak     | 263.00         | 150         | Vertical | Pass    |
| 2** | 2814.700        | 33.09            | -10.07      | 54.0           | -20.91          | AV       | 263.00         | 150         | Vertical | Pass    |
| 3   | 4280.200        | 47.13            | -4.59       | 74.0           | -26.87          | Peak     | 134.00         | 150         | Vertical | Pass    |
| 3** | 4280.200        | 37.72            | -4.59       | 54.0           | -16.28          | AV       | 134.00         | 150         | Vertical | Pass    |
| 4   | 5783.200        | 96.80            | -2.23       | --             | --              | Peak     | 114.00         | 150         | Vertical | N/A     |
| 4** | 5783.200        | 89.72            | -2.23       | --             | --              | AV       | 114.00         | 150         | Vertical | N/A     |
| 5   | 11725.924       | 49.68            | 0.86        | 74.0           | -24.32          | Peak     | 241.00         | 150         | Vertical | Pass    |
| 5** | 11725.924       | 39.92            | 0.86        | 54.0           | -14.08          | AV       | 241.00         | 150         | Vertical | Pass    |
| 6   | 15790.537       | 53.04            | 2.03        | 74.0           | -20.96          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15790.537       | 45.65            | 2.03        | 54.0           | -8.35           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1066.700        | 39.12            | -18.44      | 74.0           | -34.88          | Peak     | 283.00         | 150         | Horizontal | Pass    |
| 1** | 1066.700        | 27.11            | -18.44      | 54.0           | -26.89          | AV       | 283.00         | 150         | Horizontal | Pass    |
| 2   | 2785.700        | 42.21            | -10.47      | 74.0           | -31.79          | Peak     | 34.00          | 150         | Horizontal | Pass    |
| 2** | 2785.700        | 33.79            | -10.47      | 54.0           | -20.21          | AV       | 34.00          | 150         | Horizontal | Pass    |
| 3   | 3960.400        | 46.76            | -4.75       | 74.0           | -27.24          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 3960.400        | 37.08            | -4.75       | 54.0           | -16.92          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5820.600        | 101.39           | -2.58       | --             | --              | Peak     | 0.00           | 150         | Horizontal | N/A     |
| 4** | 5820.600        | 94.63            | -2.58       | --             | --              | AV       | 0.00           | 150         | Horizontal | N/A     |
| 5   | 11656.350       | 49.80            | 0.02        | 74.0           | -24.20          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11656.350       | 40.46            | 0.02        | 54.0           | -13.54          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15841.724       | 52.24            | 1.42        | 74.0           | -21.76          | Peak     | 94.00          | 150         | Horizontal | Pass    |
| 6** | 15841.724       | 43.64            | 1.42        | 54.0           | -10.36          | AV       | 94.00          | 150         | Horizontal | Pass    |

## 11n20, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1065.800        | 38.23            | -18.41      | 74.0           | -35.77          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 1** | 1065.800        | 28.78            | -18.41      | 54.0           | -25.22          | AV       | 360.00         | 150         | Vertical | Pass    |
| 2   | 2850.900        | 42.92            | -10.31      | 74.0           | -31.08          | Peak     | 44.00          | 150         | Vertical | Pass    |
| 2** | 2850.900        | 34.28            | -10.31      | 54.0           | -19.72          | AV       | 44.00          | 150         | Vertical | Pass    |
| 3   | 4223.200        | 47.49            | -4.84       | 74.0           | -26.51          | Peak     | 60.00          | 150         | Vertical | Pass    |
| 3** | 4223.200        | 38.91            | -4.84       | 54.0           | -15.09          | AV       | 60.00          | 150         | Vertical | Pass    |
| 4   | 5818.600        | 94.44            | -2.53       | --             | --              | Peak     | 124.00         | 150         | Vertical | N/A     |
| 4** | 5818.600        | 88.02            | -2.53       | --             | --              | AV       | 124.00         | 150         | Vertical | N/A     |
| 5   | 11068.412       | 49.91            | -1.04       | 74.0           | -24.09          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 5** | 11068.412       | 42.16            | -1.04       | 54.0           | -11.84          | AV       | 7.00           | 150         | Vertical | Pass    |
| 6   | 15786.599       | 53.72            | 1.87        | 74.0           | -20.28          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15786.599       | 44.65            | 1.87        | 54.0           | -9.35           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1156.100        | 36.36            | -18.08      | 74.0           | -37.64          | Peak     | 2.00           | 150         | Horizontal | Pass    |
| 1** | 1156.100        | 27.60            | -18.08      | 54.0           | -26.40          | AV       | 2.00           | 150         | Horizontal | Pass    |
| 2   | 2744.000        | 42.57            | -10.93      | 74.0           | -31.43          | Peak     | 248.00         | 150         | Horizontal | Pass    |
| 2** | 2744.000        | 34.46            | -10.93      | 54.0           | -19.54          | AV       | 248.00         | 150         | Horizontal | Pass    |
| 3   | 3957.000        | 46.89            | -4.58       | 74.0           | -27.11          | Peak     | 172.00         | 150         | Horizontal | Pass    |
| 3** | 3957.000        | 38.61            | -4.58       | 54.0           | -15.39          | AV       | 172.00         | 150         | Horizontal | Pass    |
| 4   | 5758.600        | 99.16            | -1.97       | --             | --              | Peak     | 342.00         | 150         | Horizontal | N/A     |
| 4** | 5758.600        | 93.41            | -1.97       | --             | --              | AV       | 342.00         | 150         | Horizontal | N/A     |
| 5   | 11368.849       | 50.25            | -0.25       | 74.0           | -23.75          | Peak     | 257.00         | 150         | Horizontal | Pass    |
| 5** | 11368.849       | 40.51            | -0.25       | 54.0           | -13.49          | AV       | 257.00         | 150         | Horizontal | Pass    |
| 6   | 15813.638       | 53.42            | 2.09        | 74.0           | -20.58          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15813.638       | 45.60            | 2.09        | 54.0           | -8.40           | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1093.900        | 35.73            | -18.53      | 74.0           | -38.27          | Peak     | 342.00         | 150         | Vertical | Pass    |
| 1** | 1093.900        | 27.37            | -18.53      | 54.0           | -26.63          | AV       | 342.00         | 150         | Vertical | Pass    |
| 2   | 2732.500        | 42.72            | -10.94      | 74.0           | -31.28          | Peak     | 29.00          | 150         | Vertical | Pass    |
| 2** | 2732.500        | 32.89            | -10.94      | 54.0           | -21.11          | AV       | 29.00          | 150         | Vertical | Pass    |
| 3   | 3842.800        | 46.52            | -5.10       | 74.0           | -27.48          | Peak     | 220.00         | 150         | Vertical | Pass    |
| 3** | 3842.800        | 36.86            | -5.10       | 54.0           | -17.14          | AV       | 220.00         | 150         | Vertical | Pass    |
| 4   | 5758.200        | 93.84            | -1.98       | --             | --              | Peak     | 306.00         | 150         | Vertical | N/A     |
| 4** | 5758.200        | 88.27            | -1.98       | --             | --              | AV       | 306.00         | 150         | Vertical | N/A     |
| 5   | 11643.700       | 50.33            | -0.21       | 74.0           | -23.67          | Peak     | 231.00         | 150         | Vertical | Pass    |
| 5** | 11643.700       | 40.62            | -0.21       | 54.0           | -13.38          | AV       | 231.00         | 150         | Vertical | Pass    |
| 6   | 15808.912       | 53.98            | 2.19        | 74.0           | -20.02          | Peak     | 274.00         | 150         | Vertical | Pass    |
| 6** | 15808.912       | 45.93            | 2.19        | 54.0           | -8.07           | AV       | 274.00         | 150         | Vertical | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1552.100        | 36.76            | -17.39      | 74.0           | -37.24          | Peak     | 232.00         | 150         | Horizontal | Pass    |
| 1** | 1552.100        | 28.60            | -17.39      | 54.0           | -25.40          | AV       | 232.00         | 150         | Horizontal | Pass    |
| 2   | 2789.500        | 42.15            | -10.58      | 74.0           | -31.85          | Peak     | 196.00         | 150         | Horizontal | Pass    |
| 2** | 2789.500        | 33.64            | -10.58      | 54.0           | -20.36          | AV       | 196.00         | 150         | Horizontal | Pass    |
| 3   | 4036.000        | 46.29            | -4.83       | 74.0           | -27.71          | Peak     | 9.00           | 150         | Horizontal | Pass    |
| 3** | 4036.000        | 37.69            | -4.83       | 54.0           | -16.31          | AV       | 9.00           | 150         | Horizontal | Pass    |
| 4   | 5793.000        | 98.66            | -2.55       | --             | --              | Peak     | 344.00         | 150         | Horizontal | N/A     |
| 4** | 5793.000        | 92.07            | -2.55       | --             | --              | AV       | 344.00         | 150         | Horizontal | N/A     |
| 5   | 11227.975       | 50.40            | -0.26       | 74.0           | -23.60          | Peak     | 147.00         | 150         | Horizontal | Pass    |
| 5** | 11227.975       | 40.71            | -0.26       | 54.0           | -13.29          | AV       | 147.00         | 150         | Horizontal | Pass    |
| 6   | 15465.037       | 53.34            | 1.35        | 74.0           | -20.66          | Peak     | 24.00          | 150         | Horizontal | Pass    |
| 6** | 15465.037       | 43.67            | 1.35        | 54.0           | -10.33          | AV       | 24.00          | 150         | Horizontal | Pass    |

## 11n40, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1038.400        | 36.34            | -18.21      | 74.0           | -37.66          | Peak     | 77.00          | 150         | Vertical | Pass    |
| 1** | 1038.400        | 26.92            | -18.21      | 54.0           | -27.08          | AV       | 77.00          | 150         | Vertical | Pass    |
| 2   | 2818.800        | 42.31            | -10.22      | 74.0           | -31.69          | Peak     | 150.00         | 150         | Vertical | Pass    |
| 2** | 2818.800        | 32.23            | -10.22      | 54.0           | -21.77          | AV       | 150.00         | 150         | Vertical | Pass    |
| 3   | 4089.600        | 47.04            | -5.50       | 74.0           | -26.96          | Peak     | 82.00          | 150         | Vertical | Pass    |
| 3** | 4089.600        | 37.81            | -5.50       | 54.0           | -16.19          | AV       | 82.00          | 150         | Vertical | Pass    |
| 4   | 5796.200        | 94.43            | -2.64       | --             | --              | Peak     | 300.00         | 150         | Vertical | N/A     |
| 4** | 5796.200        | 87.29            | -2.64       | --             | --              | AV       | 300.00         | 150         | Vertical | N/A     |
| 5   | 12337.724       | 50.51            | 1.31        | 74.0           | -23.49          | Peak     | 29.00          | 150         | Vertical | Pass    |
| 5** | 12337.724       | 40.43            | 1.31        | 54.0           | -13.57          | AV       | 29.00          | 150         | Vertical | Pass    |
| 6   | 15797.888       | 53.43            | 2.26        | 74.0           | -20.57          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 6** | 15797.888       | 45.09            | 2.26        | 54.0           | -8.91           | AV       | 360.00         | 150         | Vertical | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1173.500        | 36.02            | -18.03      | 74.0           | -37.98          | Peak     | 244.00         | 150         | Horizontal | Pass    |
| 1** | 1173.500        | 27.56            | -18.03      | 54.0           | -26.44          | AV       | 244.00         | 150         | Horizontal | Pass    |
| 2   | 2773.100        | 42.47            | -10.48      | 74.0           | -31.53          | Peak     | 244.00         | 150         | Horizontal | Pass    |
| 2** | 2773.100        | 33.15            | -10.48      | 54.0           | -20.85          | AV       | 244.00         | 150         | Horizontal | Pass    |
| 3   | 3963.400        | 46.63            | -4.80       | 74.0           | -27.37          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 3** | 3963.400        | 36.54            | -4.80       | 54.0           | -17.46          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 4   | 5740.000        | 98.84            | -2.34       | --             | --              | Peak     | 328.00         | 150         | Horizontal | N/A     |
| 4** | 5740.000        | 92.76            | -2.34       | --             | --              | AV       | 328.00         | 150         | Horizontal | N/A     |
| 5   | 11941.262       | 49.78            | 1.65        | 74.0           | -24.22          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11941.262       | 40.69            | 1.65        | 54.0           | -13.31          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15625.425       | 53.70            | 1.72        | 74.0           | -20.30          | Peak     | 337.00         | 150         | Horizontal | Pass    |
| 6** | 15625.425       | 44.33            | 1.72        | 54.0           | -9.67           | AV       | 337.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1121.200        | 34.97            | -18.50      | 74.0           | -39.03          | Peak     | 288.00         | 150         | Vertical | Pass    |
| 1** | 1121.200        | 26.11            | -18.50      | 54.0           | -27.89          | AV       | 288.00         | 150         | Vertical | Pass    |
| 2   | 2871.300        | 43.41            | -10.38      | 74.0           | -30.59          | Peak     | 198.00         | 150         | Vertical | Pass    |
| 2** | 2871.300        | 33.95            | -10.38      | 54.0           | -20.05          | AV       | 198.00         | 150         | Vertical | Pass    |
| 3   | 4222.200        | 47.74            | -4.88       | 74.0           | -26.26          | Peak     | 266.00         | 150         | Vertical | Pass    |
| 3** | 4222.200        | 37.73            | -4.88       | 54.0           | -16.27          | AV       | 266.00         | 150         | Vertical | Pass    |
| 4   | 5740.200        | 94.52            | -2.33       | --             | --              | Peak     | 290.00         | 150         | Vertical | N/A     |
| 4** | 5740.200        | 86.40            | -2.33       | --             | --              | AV       | 290.00         | 150         | Vertical | N/A     |
| 5   | 11916.250       | 50.10            | 1.49        | 74.0           | -23.90          | Peak     | 360.00         | 150         | Vertical | Pass    |
| 5** | 11916.250       | 40.81            | 1.49        | 54.0           | -13.19          | AV       | 360.00         | 150         | Vertical | Pass    |
| 6   | 15800.776       | 53.69            | 2.32        | 74.0           | -20.31          | Peak     | 79.00          | 150         | Vertical | Pass    |
| 6** | 15800.776       | 44.25            | 2.32        | 54.0           | -9.75           | AV       | 79.00          | 150         | Vertical | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1132.800        | 35.40            | -18.36      | 74.0           | -38.60          | Peak     | 363.00         | 150         | Horizontal | Pass    |
| 1** | 1132.800        | 27.29            | -18.36      | 54.0           | -26.71          | AV       | 363.00         | 150         | Horizontal | Pass    |
| 2   | 2786.600        | 42.54            | -10.48      | 74.0           | -31.46          | Peak     | 66.00          | 150         | Horizontal | Pass    |
| 2** | 2786.600        | 34.28            | -10.48      | 54.0           | -19.72          | AV       | 66.00          | 150         | Horizontal | Pass    |
| 3   | 4908.800        | 49.54            | -2.42       | 74.0           | -24.46          | Peak     | 129.00         | 150         | Horizontal | Pass    |
| 3** | 4908.800        | 39.62            | -2.42       | 54.0           | -14.38          | AV       | 129.00         | 150         | Horizontal | Pass    |
| 4   | 5780.400        | 98.38            | -2.14       | --             | --              | Peak     | 326.00         | 150         | Horizontal | N/A     |
| 4** | 5780.400        | 92.45            | -2.14       | --             | --              | AV       | 326.00         | 150         | Horizontal | N/A     |
| 5   | 11350.737       | 49.59            | -0.05       | 74.0           | -24.41          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11350.737       | 40.31            | -0.05       | 54.0           | -13.69          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15510.974       | 52.85            | 1.43        | 74.0           | -21.15          | Peak     | 1.00           | 150         | Horizontal | Pass    |
| 6** | 15510.974       | 44.75            | 1.43        | 54.0           | -9.25           | AV       | 1.00           | 150         | Horizontal | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1182.300        | 35.74            | -18.02      | 74.0           | -38.26          | Peak     | 188.00         | 150         | Vertical | Pass    |
| 1** | 1182.300        | 27.09            | -18.02      | 54.0           | -26.91          | AV       | 188.00         | 150         | Vertical | Pass    |
| 2   | 2796.300        | 42.98            | -10.61      | 74.0           | -31.02          | Peak     | 349.00         | 150         | Vertical | Pass    |
| 2** | 2796.300        | 33.03            | -10.61      | 54.0           | -20.97          | AV       | 349.00         | 150         | Vertical | Pass    |
| 3   | 4161.000        | 47.11            | -4.93       | 74.0           | -26.89          | Peak     | 93.00          | 150         | Vertical | Pass    |
| 3** | 4161.000        | 38.32            | -4.93       | 54.0           | -15.68          | AV       | 93.00          | 150         | Vertical | Pass    |
| 4   | 5789.200        | 93.86            | -2.50       | --             | --              | Peak     | 290.00         | 150         | Vertical | N/A     |
| 4** | 5789.200        | 87.14            | -2.50       | --             | --              | AV       | 290.00         | 150         | Vertical | N/A     |
| 5   | 12266.424       | 50.60            | 1.34        | 74.0           | -23.40          | Peak     | 318.00         | 150         | Vertical | Pass    |
| 5** | 12266.424       | 41.62            | 1.34        | 54.0           | -12.38          | AV       | 318.00         | 150         | Vertical | Pass    |
| 6   | 15627.525       | 54.56            | 1.71        | 74.0           | -19.44          | Peak     | 305.00         | 150         | Vertical | Pass    |
| 6** | 15627.525       | 45.21            | 1.71        | 54.0           | -8.79           | AV       | 305.00         | 150         | Vertical | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1095.700        | 35.63            | -18.56      | 74.0           | -38.37          | Peak     | 127.00         | 150         | Horizontal | Pass    |
| 1** | 1095.700        | 27.18            | -18.56      | 54.0           | -26.82          | AV       | 127.00         | 150         | Horizontal | Pass    |
| 2   | 2820.200        | 42.65            | -10.20      | 74.0           | -31.35          | Peak     | 199.00         | 150         | Horizontal | Pass    |
| 2** | 2820.200        | 32.98            | -10.20      | 54.0           | -21.02          | AV       | 199.00         | 150         | Horizontal | Pass    |
| 3   | 3956.400        | 46.40            | -4.61       | 74.0           | -27.60          | Peak     | 253.00         | 150         | Horizontal | Pass    |
| 3** | 3956.400        | 37.09            | -4.61       | 54.0           | -16.91          | AV       | 253.00         | 150         | Horizontal | Pass    |
| 4   | 5829.200        | 98.11            | -2.21       | --             | --              | Peak     | 327.00         | 150         | Horizontal | N/A     |
| 4** | 5829.200        | 91.52            | -2.21       | --             | --              | AV       | 327.00         | 150         | Horizontal | N/A     |
| 5   | 11309.338       | 49.99            | 0.35        | 74.0           | -24.01          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11309.338       | 40.43            | 0.35        | 54.0           | -13.57          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15629.625       | 53.29            | 1.70        | 74.0           | -20.71          | Peak     | 305.00         | 150         | Horizontal | Pass    |
| 6** | 15629.625       | 45.41            | 1.70        | 54.0           | -8.59           | AV       | 305.00         | 150         | Horizontal | Pass    |

## 11ac20, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1176.000        | 35.72            | -18.04      | 74.0           | -38.28          | Peak     | 346.00         | 150         | Vertical | Pass    |
| 1** | 1176.000        | 27.14            | -18.04      | 54.0           | -26.86          | AV       | 346.00         | 150         | Vertical | Pass    |
| 2   | 2797.800        | 42.42            | -10.60      | 74.0           | -31.58          | Peak     | 91.00          | 150         | Vertical | Pass    |
| 2** | 2797.800        | 34.46            | -10.60      | 54.0           | -19.54          | AV       | 91.00          | 150         | Vertical | Pass    |
| 3   | 4200.800        | 47.16            | -5.07       | 74.0           | -26.84          | Peak     | 264.00         | 150         | Vertical | Pass    |
| 3** | 4200.800        | 38.75            | -5.07       | 54.0           | -15.25          | AV       | 264.00         | 150         | Vertical | Pass    |
| 4   | 5830.200        | 94.08            | -2.15       | --             | --              | Peak     | 289.00         | 150         | Vertical | N/A     |
| 4** | 5830.200        | 87.29            | -2.15       | --             | --              | AV       | 289.00         | 150         | Vertical | N/A     |
| 5   | 11663.537       | 49.78            | 0.16        | 74.0           | -24.22          | Peak     | 74.00          | 150         | Vertical | Pass    |
| 5** | 11663.537       | 41.08            | 0.16        | 54.0           | -12.92          | AV       | 74.00          | 150         | Vertical | Pass    |
| 6   | 15848.549       | 53.37            | 1.34        | 74.0           | -20.63          | Peak     | 213.00         | 150         | Vertical | Pass    |
| 6** | 15848.549       | 44.76            | 1.34        | 54.0           | -9.24           | AV       | 213.00         | 150         | Vertical | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, Low channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1186.500        | 36.64            | -17.97      | 74.0           | -37.36          | Peak     | 7.00           | 150         | Horizontal | Pass    |
| 1** | 1186.500        | 28.83            | -17.97      | 54.0           | -25.17          | AV       | 7.00           | 150         | Horizontal | Pass    |
| 2   | 2764.700        | 42.65            | -10.83      | 74.0           | -31.35          | Peak     | 304.00         | 150         | Horizontal | Pass    |
| 2** | 2764.700        | 33.54            | -10.83      | 54.0           | -20.46          | AV       | 304.00         | 150         | Horizontal | Pass    |
| 3   | 4065.800        | 46.40            | -5.37       | 74.0           | -27.60          | Peak     | 277.00         | 150         | Horizontal | Pass    |
| 3** | 4065.800        | 37.99            | -5.37       | 54.0           | -16.01          | AV       | 277.00         | 150         | Horizontal | Pass    |
| 4   | 5758.800        | 99.04            | -1.96       | --             | --              | Peak     | 328.00         | 150         | Horizontal | N/A     |
| 4** | 5758.800        | 93.23            | -1.96       | --             | --              | AV       | 328.00         | 150         | Horizontal | N/A     |
| 5   | 12164.650       | 49.60            | 0.57        | 74.0           | -24.40          | Peak     | 294.00         | 150         | Horizontal | Pass    |
| 5** | 12164.650       | 41.91            | 0.57        | 54.0           | -12.09          | AV       | 294.00         | 150         | Horizontal | Pass    |
| 6   | 15809.175       | 53.63            | 2.18        | 74.0           | -20.37          | Peak     | 55.00          | 150         | Horizontal | Pass    |
| 6** | 15809.175       | 44.43            | 2.18        | 54.0           | -9.57           | AV       | 55.00          | 150         | Horizontal | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, Low channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1198.200        | 35.93            | -17.84      | 74.0           | -38.07          | Peak     | 112.00         | 150         | Vertical | Pass    |
| 1** | 1198.200        | 26.56            | -17.84      | 54.0           | -27.44          | AV       | 112.00         | 150         | Vertical | Pass    |
| 2   | 2765.800        | 42.49            | -10.79      | 74.0           | -31.51          | Peak     | 326.00         | 150         | Vertical | Pass    |
| 2** | 2765.800        | 32.88            | -10.79      | 54.0           | -21.12          | AV       | 326.00         | 150         | Vertical | Pass    |
| 3   | 4006.400        | 46.45            | -5.15       | 74.0           | -27.55          | Peak     | 264.00         | 150         | Vertical | Pass    |
| 3** | 4006.400        | 36.89            | -5.15       | 54.0           | -17.11          | AV       | 264.00         | 150         | Vertical | Pass    |
| 4   | 5757.600        | 92.89            | -2.00       | --             | --              | Peak     | 289.00         | 150         | Vertical | N/A     |
| 4** | 5757.600        | 86.51            | -2.00       | --             | --              | AV       | 289.00         | 150         | Vertical | N/A     |
| 5   | 11617.825       | 49.93            | -0.05       | 74.0           | -24.07          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 5** | 11617.825       | 39.75            | -0.05       | 54.0           | -14.25          | AV       | 0.00           | 150         | Vertical | Pass    |
| 6   | 15828.076       | 53.56            | 1.55        | 74.0           | -20.44          | Peak     | 7.00           | 150         | Vertical | Pass    |
| 6** | 15828.076       | 43.59            | 1.55        | 54.0           | -10.41          | AV       | 7.00           | 150         | Vertical | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, High channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1117.200        | 36.68            | -18.60      | 74.0           | -37.32          | Peak     | 5.00           | 150         | Horizontal | Pass    |
| 1** | 1117.200        | 30.21            | -18.60      | 54.0           | -23.79          | AV       | 5.00           | 150         | Horizontal | Pass    |
| 2   | 2742.200        | 42.76            | -10.92      | 74.0           | -31.24          | Peak     | 160.00         | 150         | Horizontal | Pass    |
| 2** | 2742.200        | 34.73            | -10.92      | 54.0           | -19.27          | AV       | 160.00         | 150         | Horizontal | Pass    |
| 3   | 4230.600        | 47.06            | -4.60       | 74.0           | -26.94          | Peak     | 214.00         | 150         | Horizontal | Pass    |
| 3** | 4230.600        | 38.10            | -4.60       | 54.0           | -15.90          | AV       | 214.00         | 150         | Horizontal | Pass    |
| 4   | 5798.000        | 97.29            | -2.73       | --             | --              | Peak     | 326.00         | 150         | Horizontal | N/A     |
| 4** | 5798.000        | 90.71            | -2.73       | --             | --              | AV       | 326.00         | 150         | Horizontal | N/A     |
| 5   | 11840.062       | 50.04            | 1.14        | 74.0           | -23.96          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 5** | 11840.062       | 40.63            | 1.14        | 54.0           | -13.37          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 6   | 15629.100       | 52.87            | 1.71        | 74.0           | -21.13          | Peak     | 0.00           | 150         | Horizontal | Pass    |
| 6** | 15629.100       | 44.03            | 1.71        | 54.0           | -9.97           | AV       | 0.00           | 150         | Horizontal | Pass    |

## 11ac40, Band 3, 1 GHz to 18 GHz, High channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1080.200        | 34.97            | -18.48      | 74.0           | -39.03          | Peak     | 361.00         | 150         | Vertical | Pass    |
| 1** | 1080.200        | 26.25            | -18.48      | 54.0           | -27.75          | AV       | 361.00         | 150         | Vertical | Pass    |
| 2   | 2843.500        | 42.92            | -10.28      | 74.0           | -31.08          | Peak     | 225.00         | 150         | Vertical | Pass    |
| 2** | 2843.500        | 33.31            | -10.28      | 54.0           | -20.69          | AV       | 225.00         | 150         | Vertical | Pass    |
| 3   | 4209.400        | 47.14            | -5.26       | 74.0           | -26.86          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 3** | 4209.400        | 37.35            | -5.26       | 54.0           | -16.65          | AV       | 0.00           | 150         | Vertical | Pass    |
| 4   | 5792.800        | 94.56            | -2.55       | --             | --              | Peak     | 290.00         | 150         | Vertical | N/A     |
| 4** | 5792.800        | 87.21            | -2.55       | --             | --              | AV       | 290.00         | 150         | Vertical | N/A     |
| 5   | 11925.737       | 49.90            | 1.52        | 74.0           | -24.10          | Peak     | 350.00         | 150         | Vertical | Pass    |
| 5** | 11925.737       | 40.76            | 1.52        | 54.0           | -13.24          | AV       | 350.00         | 150         | Vertical | Pass    |
| 6   | 15626.738       | 53.39            | 1.71        | 74.0           | -20.61          | Peak     | 0.00           | 150         | Vertical | Pass    |
| 6** | 15626.738       | 44.80            | 1.71        | 54.0           | -9.20           | AV       | 0.00           | 150         | Vertical | Pass    |

## 11ac80, Band 3, 1 GHz to 18 GHz, Middle channel, ANT H

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1110.500        | 36.03            | -18.57      | 74.0           | -37.97          | Peak     | 360.00         | 150         | Horizontal | Pass    |
| 1** | 1110.500        | 31.24            | -18.57      | 54.0           | -22.76          | AV       | 360.00         | 150         | Horizontal | Pass    |
| 2   | 2779.300        | 42.88            | -10.43      | 74.0           | -31.12          | Peak     | 358.00         | 150         | Horizontal | Pass    |
| 2** | 2779.300        | 32.80            | -10.43      | 54.0           | -21.20          | AV       | 358.00         | 150         | Horizontal | Pass    |
| 3   | 3976.200        | 46.54            | -5.44       | 74.0           | -27.46          | Peak     | 249.00         | 150         | Horizontal | Pass    |
| 3** | 3976.200        | 37.80            | -5.44       | 54.0           | -16.20          | AV       | 249.00         | 150         | Horizontal | Pass    |
| 4   | 5756.600        | 93.73            | -2.03       | --             | --              | Peak     | 334.00         | 150         | Horizontal | N/A     |
| 4** | 5756.600        | 87.42            | -2.03       | --             | --              | AV       | 334.00         | 150         | Horizontal | N/A     |
| 5   | 11924.875       | 49.69            | 1.51        | 74.0           | -24.31          | Peak     | 166.00         | 150         | Horizontal | Pass    |
| 5** | 11924.875       | 40.70            | 1.51        | 54.0           | -13.30          | AV       | 166.00         | 150         | Horizontal | Pass    |
| 6   | 15509.925       | 53.33            | 1.44        | 74.0           | -20.67          | Peak     | 336.00         | 150         | Horizontal | Pass    |
| 6** | 15509.925       | 43.90            | 1.44        | 54.0           | -10.10          | AV       | 336.00         | 150         | Horizontal | Pass    |

## 11ac80, Band 3, 1 GHz to 18 GHz, Middle channel, ANT V

| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1162.700        | 36.17            | -18.03      | 74.0           | -37.83          | Peak     | 18.00          | 150         | Vertical | Pass    |
| 1** | 1162.700        | 26.89            | -18.03      | 54.0           | -27.11          | AV       | 18.00          | 150         | Vertical | Pass    |
| 2   | 2790.200        | 42.86            | -10.59      | 74.0           | -31.14          | Peak     | 108.00         | 150         | Vertical | Pass    |
| 2** | 2790.200        | 33.52            | -10.59      | 54.0           | -20.48          | AV       | 108.00         | 150         | Vertical | Pass    |
| 3   | 4194.000        | 46.64            | -4.80       | 74.0           | -27.36          | Peak     | 55.00          | 150         | Vertical | Pass    |
| 3** | 4194.000        | 37.50            | -4.80       | 54.0           | -16.50          | AV       | 55.00          | 150         | Vertical | Pass    |
| 4   | 5793.000        | 88.63            | -2.55       | --             | --              | Peak     | 296.00         | 150         | Vertical | N/A     |
| 4** | 5793.000        | 82.43            | -2.55       | --             | --              | AV       | 296.00         | 150         | Vertical | N/A     |
| 5   | 11643.125       | 49.59            | -0.22       | 74.0           | -24.41          | Peak     | 171.00         | 150         | Vertical | Pass    |
| 5** | 11643.125       | 40.15            | -0.22       | 54.0           | -13.85          | AV       | 171.00         | 150         | Vertical | Pass    |
| 6   | 15520.162       | 53.93            | 1.38        | 74.0           | -20.07          | Peak     | 117.00         | 150         | Vertical | Pass    |
| 6** | 15520.162       | 44.22            | 1.38        | 54.0           | -9.78           | AV       | 117.00         | 150         | Vertical | Pass    |

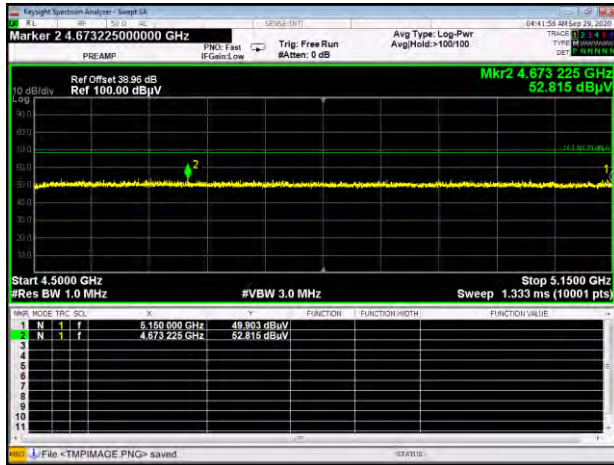
### A.6.2 Band Edge (Restricted-band)

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

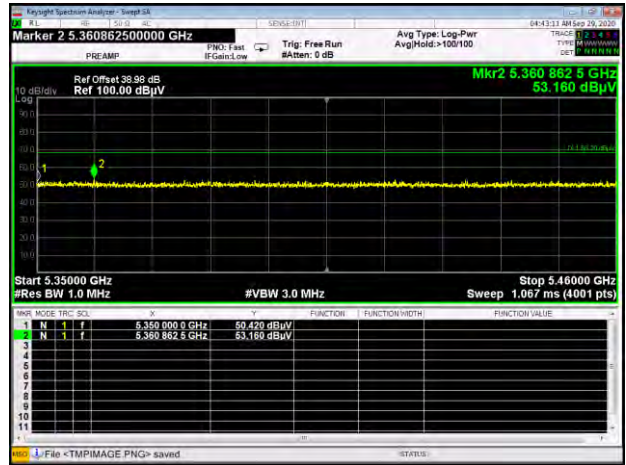
# Test Plots

## Main Antenna

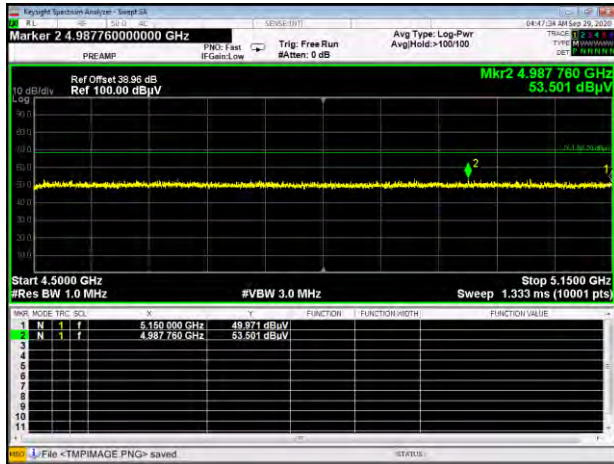
Band 1 11a CH36 Peak



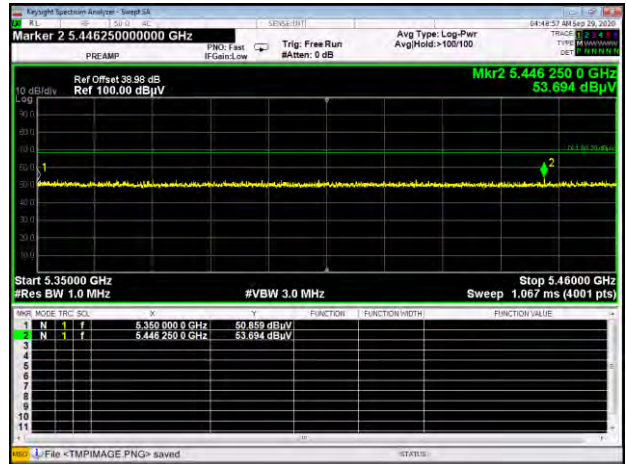
Band 1 11a CH48 Peak



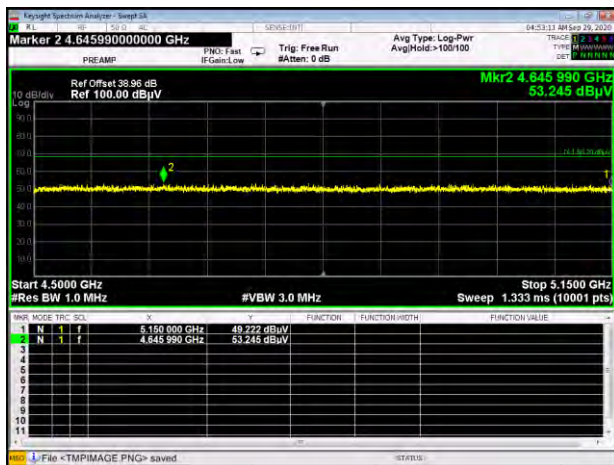
Band 1 11n20 CH36 Peak



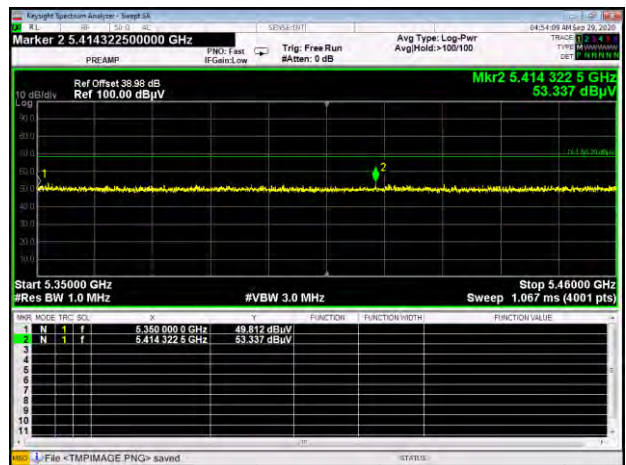
Band 1 11n20 CH48 Peak



Band 1 11n40 CH38 Peak



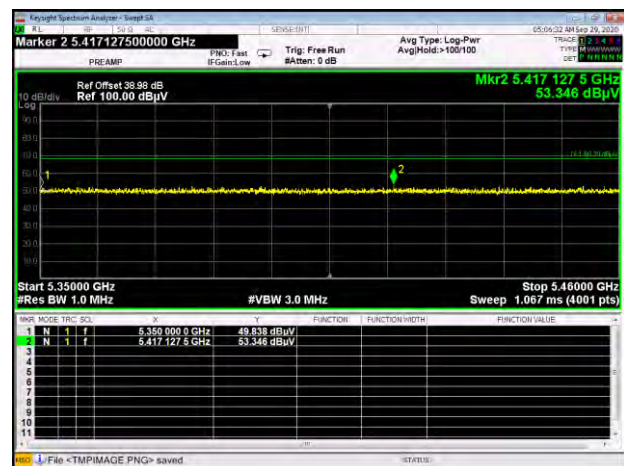
Band 1 11n40 CH46 Peak



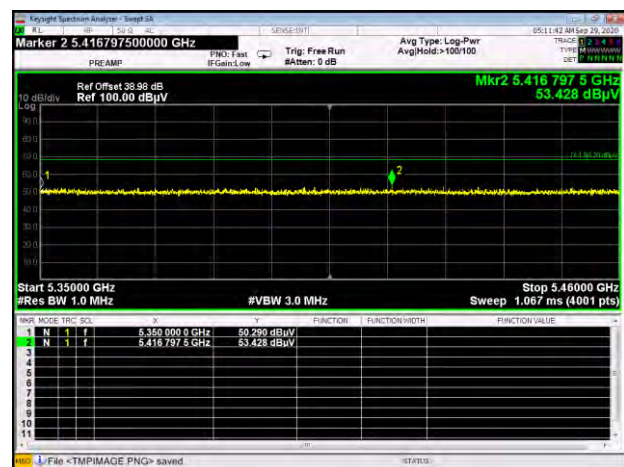
## Band 1 11ac20 CH48 Peak



## Band 1 11ac40 CH46 Peak



Band 1 11ac80 CH42 Peak



Band 3 11a CH149 Peak



Band 3 11a CH165 Peak



Band 3 11n20 CH149 Peak



Band 3 11n20 CH165 Peak



Band 3 11n40 CH151 Peak



Band 3 11n40 CH159 Peak



Band 3 11ac20 CH149 Peak



Band 3 11ac20 CH165 Peak



Band 3 11ac40 CH151 Peak



Band 3 11ac40 CH159 Peak



Band 3 11ac80 CH155 Peak

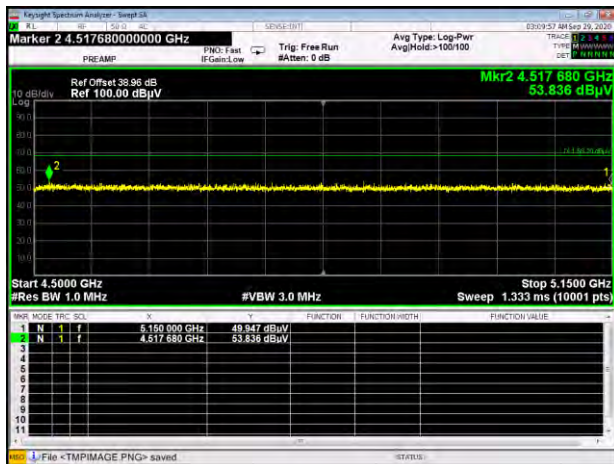


Band 3 11ac80 CH155 Peak

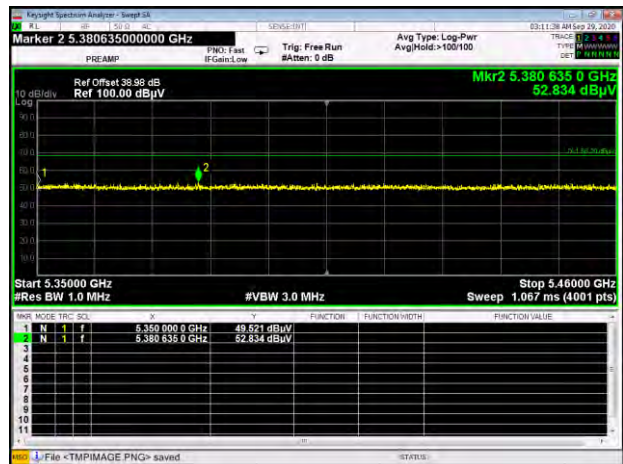


## Aux. Antenna

### Band 1 11a CH36 Peak



### Band 1 11a CH48 Peak



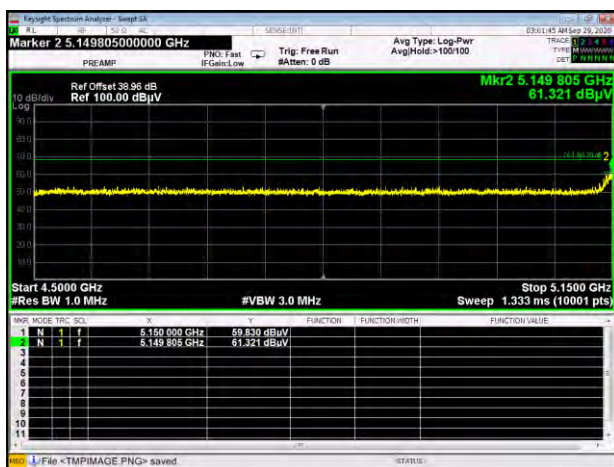
### Band 1 11n20 CH36 Peak



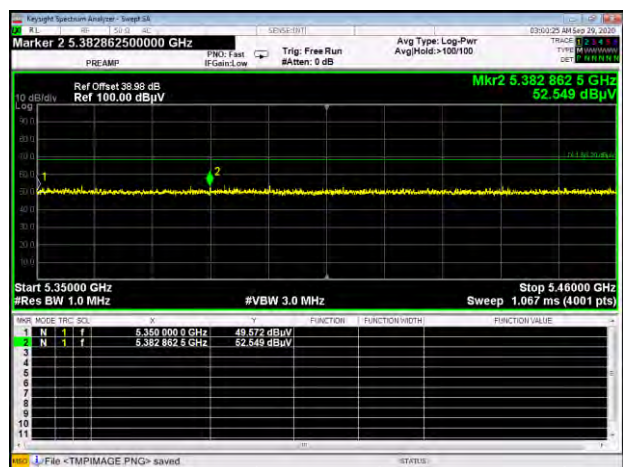
### Band 1 11n20 CH48 Peak



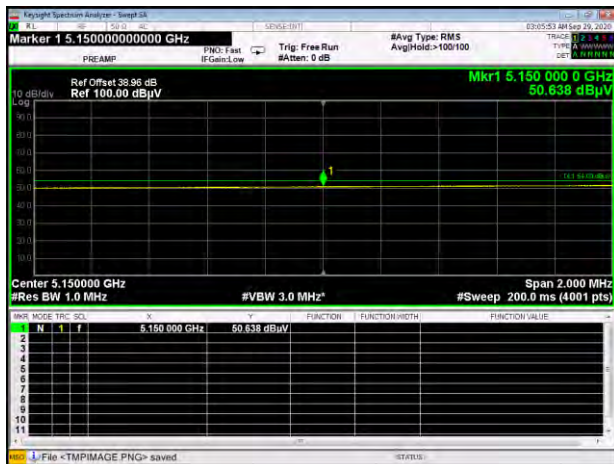
### Band 1 11n40 CH38 Peak



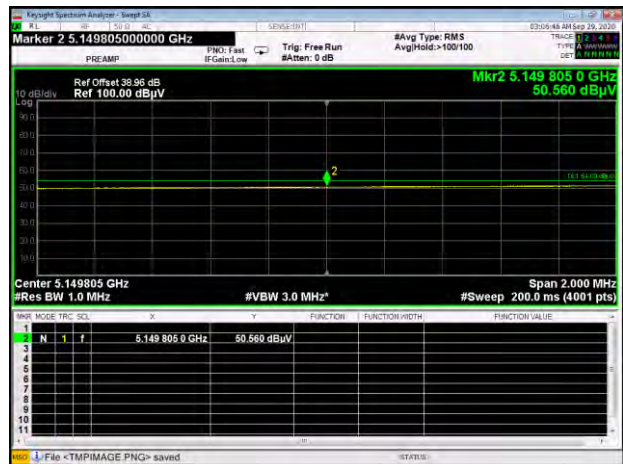
### Band 1 11n40 CH46 Peak



Band 1 11n40 CH38 AV



Band 1 11n40 CH38 AV



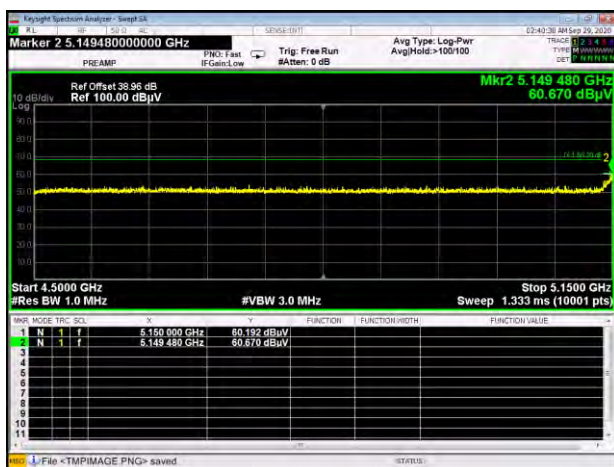
Band 1 11ac20 CH36 Peak



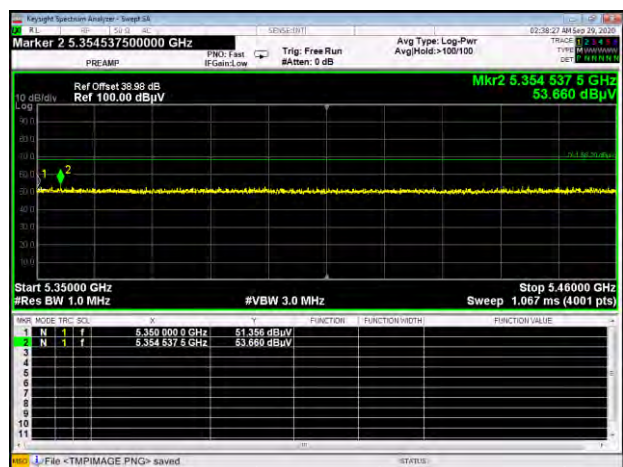
Band 1 11ac20 CH48 Peak



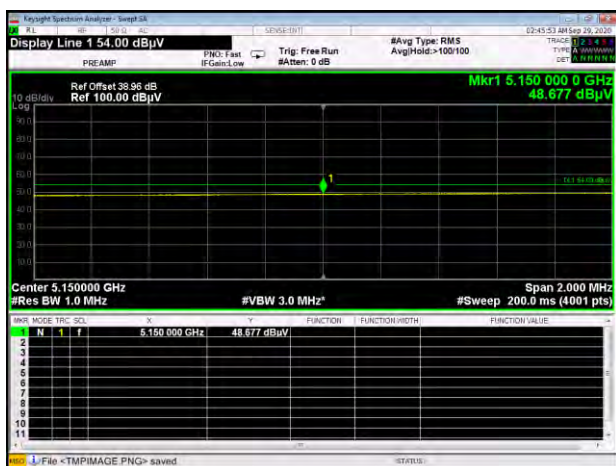
Band 1 11ac40 CH38 Peak



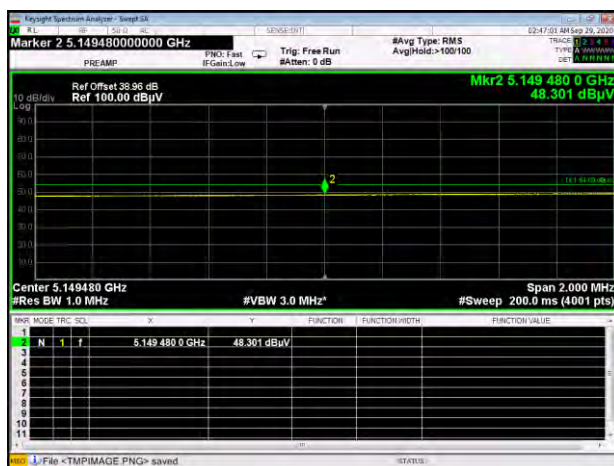
Band 1 11ac40 CH46 Peak



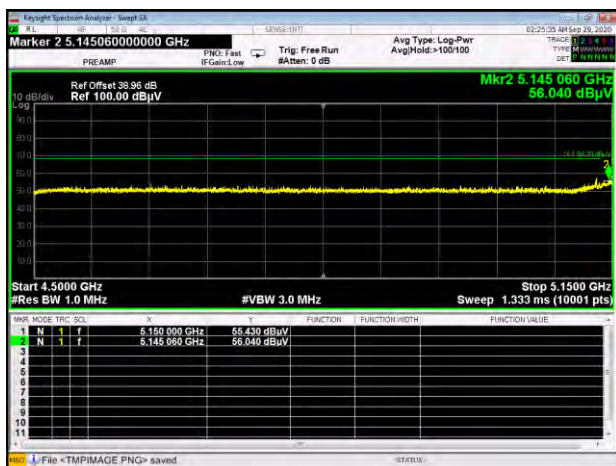
Band 1 11ac40 CH38 AV



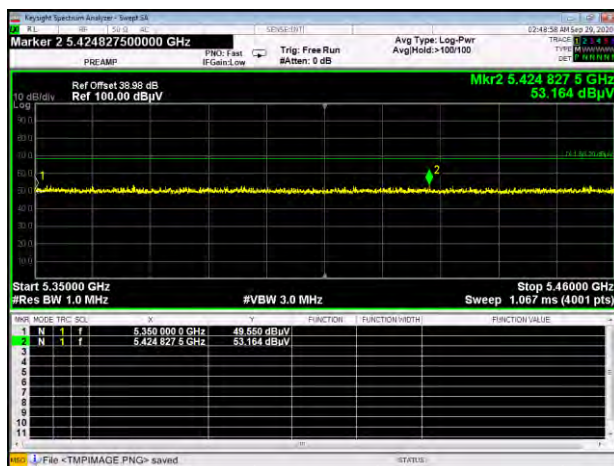
Band 1 11ac40 CH38 AV



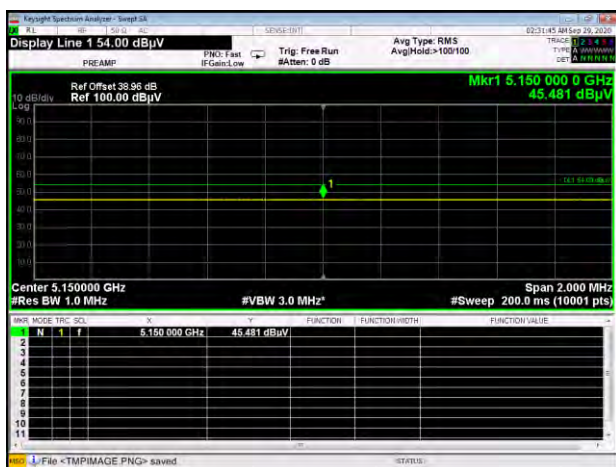
Band 1 11ac80 CH42 Peak



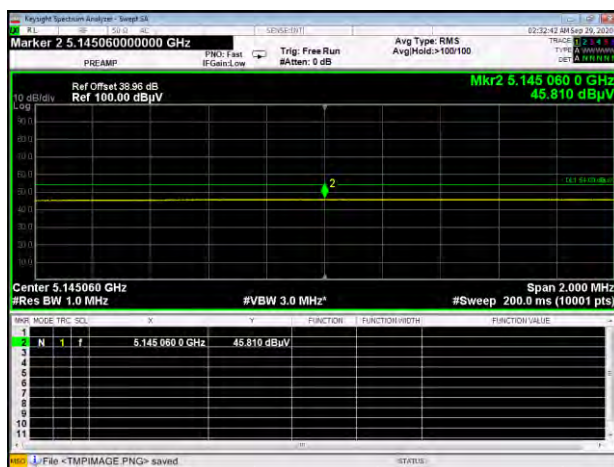
Band 1 11ac80 CH42 Peak



Band 1 11ac80 CH42 AV



Band 1 11ac80 CH42 AV



## Band 3 11a CH165 Peak



## Band 3 11n20 CH165 Peak



### Band 3 11n40 CH159 Peak



Band 3 11ac20 CH149 Peak



Band 3 11ac20 CH165 Peak



Band 3 11ac40 CH151 Peak



Band 3 11ac40 CH159 Peak



Band 3 11ac80 CH155 Peak



Band 3 11ac80 CH155 Peak



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document "BL-SZ2090561-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ2090561-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ2090561-AI.PDF".

--END OF REPORT--