

# **FCC RF Test Report**

## **(U-NII)**

**Applicant:** INFINIX MOBILITY LIMITED

**Address of Applicant:** FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT HONGKONG

**Equipment Under Test (EUT)**

Product Name: Mobile Phone

Model No.: X665E

Trade Mark: Infinix

**FCC ID:** 2AIZN-X665E

**Applicable Standards:** FCC CFR Title 47 Part 15E (§15.407)

**Date of Sample Receipt:** 26 May, 2022

**Date of Test:** 27 May, to 13 Jun., 2022

**Date of Report Issued:** 14 Jun., 2022

**Test Result:** PASS

**Tested by:**  
Test Engineer**Date:**

14 Jun., 2022

**Reviewed by:**  
Project Engineer**Date:**

14 Jun., 2022

**Approved by:**  
Manager**Date:**

14 Jun., 2022

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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## 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 14 Jun., 2022 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

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## 4 General Information

### 4.1 Client Information

|               |                                                                                                                        |
|---------------|------------------------------------------------------------------------------------------------------------------------|
| Applicant:    | INFINIX MOBILITY LIMITED                                                                                               |
| Address:      | FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT HONGKONG                                  |
| Manufacturer: | INFINIX MOBILITY LIMITED                                                                                               |
| Address:      | FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT HONGKONG                                  |
| Factory:      | SHENZHEN TECNO TECHNOLOGY CO., LTD.                                                                                    |
| Address:      | 101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China |

### 4.2 General Description of E.U.T.

|                                                  |                                                                                                                            |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Product Name:                                    | Mobile Phone                                                                                                               |
| Model No.:                                       | X665E                                                                                                                      |
| Operation Frequency:                             | Band 1: 5180 MHz - 5240 MHz<br>Band 4: 5745 MHz - 5825 MHz                                                                 |
| Channel Numbers:                                 | Band 1: 4, Band 4: 5 (802.11a, n-HT20, ac-VHT20)<br>Band 1, 4: 2 (802.11n-HT40, ac-VHT40)<br>Band 1, 4: 1 (802.11ac-VHT80) |
| Modulation Technology:<br>(IEEE 802.11a/802.11n) | OFDM-BPSK, QPSK, 16QAM, 64QAM                                                                                              |
| Modulation Technology:<br>(IEEE 802.11ac)        | OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM                                                                                      |
| Antenna Type:                                    | Internal Antenna                                                                                                           |
| Antenna Gain:                                    | -0.9 dBi                                                                                                                   |
| Antenna Transmit Mode:                           | SISO (1TX, 1RX)                                                                                                            |
| Power Supply:                                    | Rechargeable Li-ion Polymer Battery DC3.85V, 4900mAh                                                                       |
| AC Adapter:                                      | Model: U100XSA<br>Input: AC100-240V, 50/60Hz, 0.3A<br>Output: DC 5.0V, 2.0A                                                |
| Test Sample Condition:                           | The test samples were provided in good working order with no visible defects.                                              |

### 4.3 Test Mode and Environment

| Test Mode:                                                                                                                                                                                                                                         |                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Transmitting mode:                                                                                                                                                                                                                                 | Keep the EUT in continuous transmitting with modulation |
| Per-scan all kind of data rate, the follow list were the worst case:                                                                                                                                                                               |                                                         |
| Mode                                                                                                                                                                                                                                               | Data rate                                               |
| 802.11a                                                                                                                                                                                                                                            | 6.0 Mbps                                                |
| 802.11n-HT20                                                                                                                                                                                                                                       | 6.5 Mbps                                                |
| 802.11n-HT40                                                                                                                                                                                                                                       | 13.5 Mbps                                               |
| 802.11ac-VHT20                                                                                                                                                                                                                                     | 6.5 Mbps                                                |
| 802.11ac-VHT40                                                                                                                                                                                                                                     | 13.5 Mbps                                               |
| 802.11ac-VHT80                                                                                                                                                                                                                                     | 29.3 Mbps                                               |
| <b>Remark:</b> For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan 802.11a, n, ac modulation mode, found 802.11a modulation mode was worse case mode. The report only reflects the test data of worst mode. |                                                         |
| Operating Environment:                                                                                                                                                                                                                             |                                                         |
| Temperature:                                                                                                                                                                                                                                       | 15°C ~ 35°C                                             |
| Humidity:                                                                                                                                                                                                                                          | 20 % ~ 75 % RH                                          |
| Atmospheric Pressure:                                                                                                                                                                                                                              | 1010 mbar                                               |
| Voltage:                                                                                                                                                                                                                                           | Nominal: 3.85 Vdc, Extreme: Low 3.45 Vdc, High 4.40 Vdc |

### 4.4 Description of Support Units

|                                                 |
|-------------------------------------------------|
| The EUT has been tested as an independent unit. |
|-------------------------------------------------|

### 4.5 Measurement Uncertainty

| Parameter                                                                                                                                                                                                                                                                                                            | Expanded Uncertainty<br>(Confidence of 95%(U = 2Uc(y))) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Conducted Emission for LISN (9kHz ~ 150kHz)                                                                                                                                                                                                                                                                          | ±3.11 dB                                                |
| Conducted Emission for LISN (150kHz ~ 30MHz)                                                                                                                                                                                                                                                                         | ±2.62 dB                                                |
| Radiated Emission (30MHz ~ 1GHz) (3m SAC)                                                                                                                                                                                                                                                                            | ±4.45 dB                                                |
| Radiated Emission (1GHz ~ 18GHz) (3m SAC)                                                                                                                                                                                                                                                                            | ±5.34 dB                                                |
| Radiated Emission (18GHz ~ 40GHz) (3m SAC)                                                                                                                                                                                                                                                                           | ±5.34 dB                                                |
| <b>Note:</b> All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance. |                                                         |

### 4.6 Additions to, Deviations, or Exclusions from the Method

|    |
|----|
| No |
|----|

## 4.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

## 4.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

## 4.9 Test Instruments List

| Radiated Emission(3m SAC):    |                 |                 |                  |                      |                          |
|-------------------------------|-----------------|-----------------|------------------|----------------------|--------------------------|
| Test Equipment                | Manufacturer    | Model No.       | Manage No.       | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| 3m SAC                        | ETS             | 9m*6m*6m        | WXJ001-1         | 01-19-2021           | 01-18-2024               |
| BiConiLog Antenna             | Schwarzbeck     | VULB9163        | WXJ002           | 02-17-2022           | 02-16-2023               |
| Biconical Antenna             | Schwarzbeck     | VUBA9117        | WXJ002-1         | 06-20-2021           | 06-19-2022               |
| Horn Antenna                  | Schwarzbeck     | BBHA9120D       | WXJ002-2         | 02-17-2022           | 02-16-2023               |
| Horn Antenna                  | Schwarzbeck     | BBHA9120D       | WXJ002-3         | 06-18-2021           | 06-17-2022               |
| Horn Antenna                  | Schwarzbeck     | BBHA9170        | WXJ002-5         | 04-07-2022           | 04-06-2023               |
| Horn Antenna                  | Schwarzbeck     | BBHA9170        | WXJ002-6         | 04-07-2022           | 04-06-2023               |
| Pre-amplifier (30MHz ~ 1GHz)  | Schwarzbeck     | BBV9743B        | WXJ001-2         | 02-17-2022           | 02-16-2023               |
| Pre-amplifier (1GHz ~ 18GHz)  | SKET            | LNPA_0118G-50   | WXJ001-3         | 02-17-2022           | 02-16-2023               |
| Pre-amplifier (18GHz ~ 40GHz) | RF System       | TRLA-180400G45B | WXJ002-7         | 03-30-2022           | 03-29-2023               |
| EMI Test Receiver             | Rohde & Schwarz | ESRP7           | WXJ003-1         | 02-17-2022           | 02-16-2023               |
| Spectrum Analyzer             | KEYSIGHT        | N9010B          | WXJ004-2         | 11-27-2021           | 11-26-2022               |
| Coaxial Cable (30MHz ~ 1GHz)  | JYTSZ           | JYT3M-1G-NN-8M  | WXG001-4         | 02-17-2022           | 02-16-2023               |
| Coaxial Cable (1GHz ~ 18GHz)  | JYTSZ           | JYT3M-18G-NN-8M | WXG001-5         | 02-17-2022           | 02-16-2023               |
| Coaxial Cable (18GHz ~ 40GHz) | JYTSZ           | JYT3M-40G-SS-8M | WXG001-7         | 02-17-2022           | 02-16-2023               |
| Band Reject Filter Group      | Tonscend        | JS0806-F        | WXJ089           | N/A                  |                          |
| Test Software                 | Tonscend        | TS+             | Version: 3.0.0.1 |                      |                          |

| Conducted Emission:                  |                 |                |                    |                        |                             |
|--------------------------------------|-----------------|----------------|--------------------|------------------------|-----------------------------|
| Test Equipment                       | Manufacturer    | Model No.      | Manage No.         | Cal.Date<br>(mm-dd-yy) | Cal. Due date<br>(mm-dd-yy) |
| EMI Test Receiver                    | Rohde & Schwarz | ESR3           | WXJ003-2           | 10-21-2021             | 10-20-2022                  |
| RF Switch                            | TOP PRECISION   | RSU0301        | WXG003             | 02-17-2022             | 02-16-2023                  |
| LISN                                 | Schwarzbeck     | NSLK 8127      | QCJ001-13          | 02-17-2022             | 02-16-2023                  |
| LISN                                 | Rohde & Schwarz | ESH3-Z5        | WXJ005-1           | 06-18-2021             | 06-17-2022                  |
| LISN Coaxial Cable<br>(9kHz ~ 30MHz) | JYTSZ           | JYTCE-1G-NN-2M | WXG003-1           | 02-17-2022             | 02-16-2023                  |
| Test Software                        | AUDIX           | E3             | Version: 6.110919b |                        |                             |

| Conducted Method:            |                 |            |                  |                      |                          |
|------------------------------|-----------------|------------|------------------|----------------------|--------------------------|
| Test Equipment               | Manufacturer    | Model No.  | Manage No.       | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| Spectrum Analyzer            | Keysight        | N9010B     | WXJ004-3         | 10-25-2021           | 10-24-2022               |
| Vector Signal Generator      | Keysight        | N5182B     | WXJ006-6         | 10-25-2021           | 10-24-2022               |
| Signal Generator             | Keysight        | N5173B     | WXJ006-4         | 10-25-2021           | 10-24-2022               |
| Wireless Connectivity Tester | Rohde & Schwarz | CMW270     | WXJ008-7         | 10-25-2021           | 10-24-2022               |
| DC Power Supply              |                 | Keysight   | E3642A           | WXJ025-2             | 10-25-2021               |
| Temperature Humidity Chamber | ZHONG ZHI       | CZ-A-80D   | WXJ032-3         | 03-19-2021           | 03-18-2023               |
| Power Detector Box           | MWRFTTEST       | MW100-PSB  | WXJ007-4         | 10-25-2021           | 10-24-2022               |
| RF Control Unit              | MWRFTTEST       | MW100-RFCB | WXG006           | N/A                  |                          |
| Test Software                | MWRFTTEST       | MTS 8310   | Version: 2.0.0.0 |                      |                          |

## 5 Measurement Setup and Procedure

### 5.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

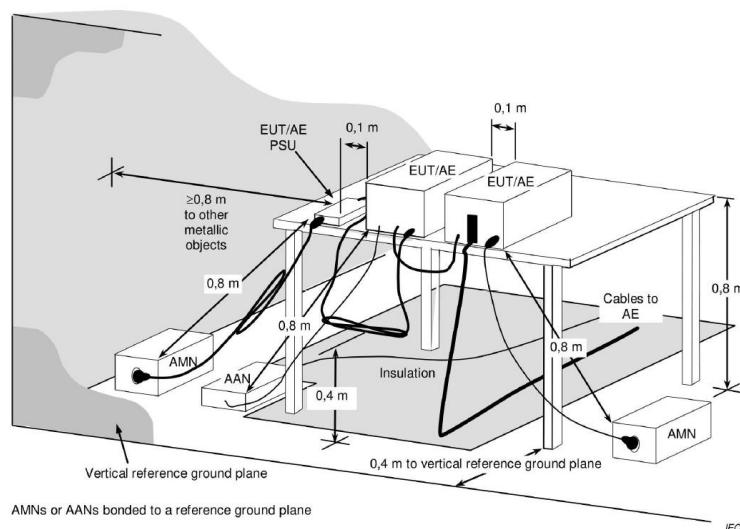
| Operation frequency: 5150 MHz – 5250 MHz |                |                 |                |                 |                 |                 |
|------------------------------------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| Modulation mode                          | Lowest channel |                 | Middle channel |                 | Highest channel |                 |
|                                          | Channel No.    | Frequency (MHz) | Channel No.    | Frequency (MHz) | Channel No.     | Frequency (MHz) |
| 802.11a, n-HT20, ac-VHT20                | 36             | 5180            | 40             | 5200            | 48              | 5240            |
| 802.11n-HT40, ac-VHT40                   | 38             | 5190            | /              | /               | 46              | 5230            |
| 802.11ac-VHT80                           | /              | /               | 42             | 5210            | /               | /               |

| Operation frequency: 5725 MHz – 5850 MHz |                |                 |                |                 |                 |                 |
|------------------------------------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| Modulation mode                          | Lowest channel |                 | Middle channel |                 | Highest channel |                 |
|                                          | Channel No.    | Frequency (MHz) | Channel No.    | Frequency (MHz) | Channel No.     | Frequency (MHz) |
| 802.11a, n-HT20, ac-VHT20                | 149            | 5745            | 157            | 5785            | 165             | 5825            |
| 802.11n-HT40, ac-VHT40                   | 151            | 5755            | /              | /               | 159             | 5795            |
| 802.11ac-VHT80                           | /              | /               | 155            | 5775            | /               | /               |

### 5.2 Test Setup

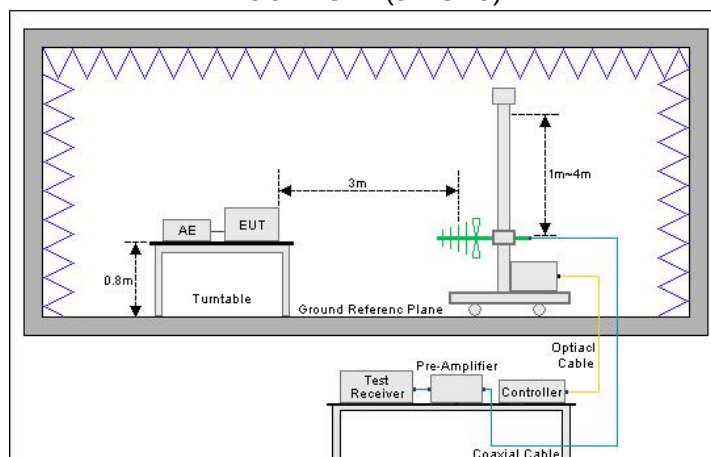
#### 1) Conducted emission measurement:



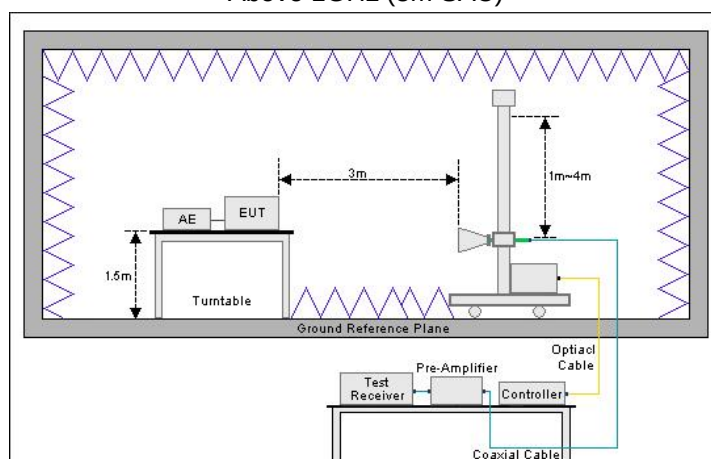
**Note:** The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

## 2) Radiated emission measurement:

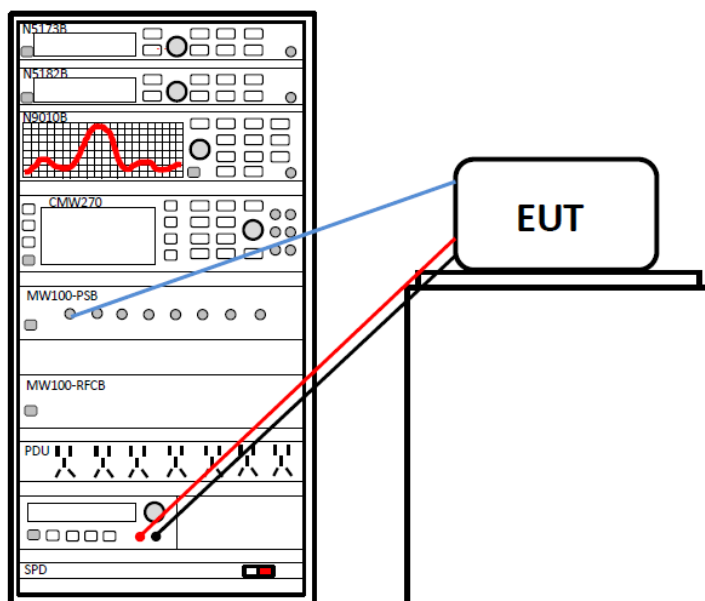
Below 1GHz (3m SAC)



Above 1GHz (3m SAC)



## 3) Conducted test method



### 5.3 Test Procedure

| Test method           | Test step                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conducted emission    | <ol style="list-style-type: none"> <li>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Radiated emission     | <p><b>For below 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> <p><b>For above 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> |
| Conducted test method | <ol style="list-style-type: none"> <li>1. The Wi-Fi antenna port of EUT was connected to the test port of the test system through an RF cable.</li> <li>2. The EUT is keeping in continuous transmission mode and tested in all modulation modes.</li> <li>3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 6 Test Results

### 6.1 Summary

#### 6.1.1 Clause and Data Summary

| Test items                                                                                                                                                                                                                                                   | Standard clause                                                                   | Test data                                        | Result |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|--------|
| Antenna Requirement                                                                                                                                                                                                                                          | 15.203                                                                            | See Section 6.2                                  | Pass   |
| AC Power Line Conducted Emission                                                                                                                                                                                                                             | 15.207<br>15.407 (b)(9)                                                           | See Section 6.3                                  | Pass   |
| Duty Cycle                                                                                                                                                                                                                                                   | ANSI C63.10-2013                                                                  | Appendix – 5.2 G Wi-Fi<br>Appendix – 5.8 G Wi-Fi | Pass   |
| Conducted Peak Output Power<br>Power Spectral Density                                                                                                                                                                                                        | 15.407 (a)(1)(iv), (a)(3)(i)                                                      | Appendix – 5.2 G Wi-Fi<br>Appendix – 5.8 G Wi-Fi | Pass   |
| 26dB Emission Bandwidth<br>99% Occupied Bandwidth                                                                                                                                                                                                            | 15.407 (a)(12)                                                                    | Appendix – 5.2 G Wi-Fi<br>Appendix – 5.8 G Wi-Fi | Pass   |
| 6dB Emission Bandwidth                                                                                                                                                                                                                                       | 15.407 (e)                                                                        | Appendix – 5.2 G Wi-Fi<br>Appendix – 5.8 G Wi-Fi | Pass   |
| Unwanted Emissions                                                                                                                                                                                                                                           | 15.205<br>15.209<br>15.407 (b)(1), (4), (9), (10)                                 | See Section 6.4                                  | Pass   |
| Frequency Stability                                                                                                                                                                                                                                          | 15.407 (g)                                                                        | Appendix – 5.2 G Wi-Fi<br>Appendix – 5.8 G Wi-Fi | Pass   |
| <b>Remark:</b><br>1. Pass: The EUT complies with the essential requirements in the standard.<br>2. N/A: Not Applicable.<br>3. The cable insertion loss used by “RF Output Power” and other conduction measurement items is 1.0dB (provided by the customer). |                                                                                   |                                                  |        |
| <b>Test Method:</b>                                                                                                                                                                                                                                          | ANSI C63.10-2013<br>KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 |                                                  |        |

## 6.1.2 Test Limit

| Test items                                                | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------|--|------------|---------|------------|--------------------------------|--------------------------------|---------|----|----|--------|----|----|
| AC Power Line Conducted Emission                          | <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 <small>Note 1</small></td><td>56 to 46 <small>Note 1</small></td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> <p><b>Note 1:</b> The limit level in dBμV decreases linearly with the logarithm of frequency.<br/><b>Note 2:</b> The more stringent limit applies at transition frequencies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Frequency (MHz)                | Limit (dBμV) |  | Quasi-Peak | Average | 0.15 – 0.5 | 66 to 56 <small>Note 1</small> | 56 to 46 <small>Note 1</small> | 0.5 – 5 | 56 | 46 | 5 – 30 | 60 | 50 |
| Frequency (MHz)                                           | Limit (dBμV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
|                                                           | Quasi-Peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Average                        |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
| 0.15 – 0.5                                                | 66 to 56 <small>Note 1</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 56 to 46 <small>Note 1</small> |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
| 0.5 – 5                                                   | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 46                             |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
| 5 – 30                                                    | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50                             |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
| Conducted Peak Output Power<br><br>Power Spectral Density | <p><b>For the 5.15-5.25 GHz band:</b><br/>For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.</p> <p><b>For the band 5.725-5.895 GHz:</b><br/>For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, Fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.</p> |                                |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
| 26dB Emission Bandwidth<br>99% Occupied Bandwidth         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |              |  |            |         |            |                                |                                |         |    |    |        |    |    |
| 6dB Emission Bandwidth                                    | Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |              |  |            |         |            |                                |                                |         |    |    |        |    |    |

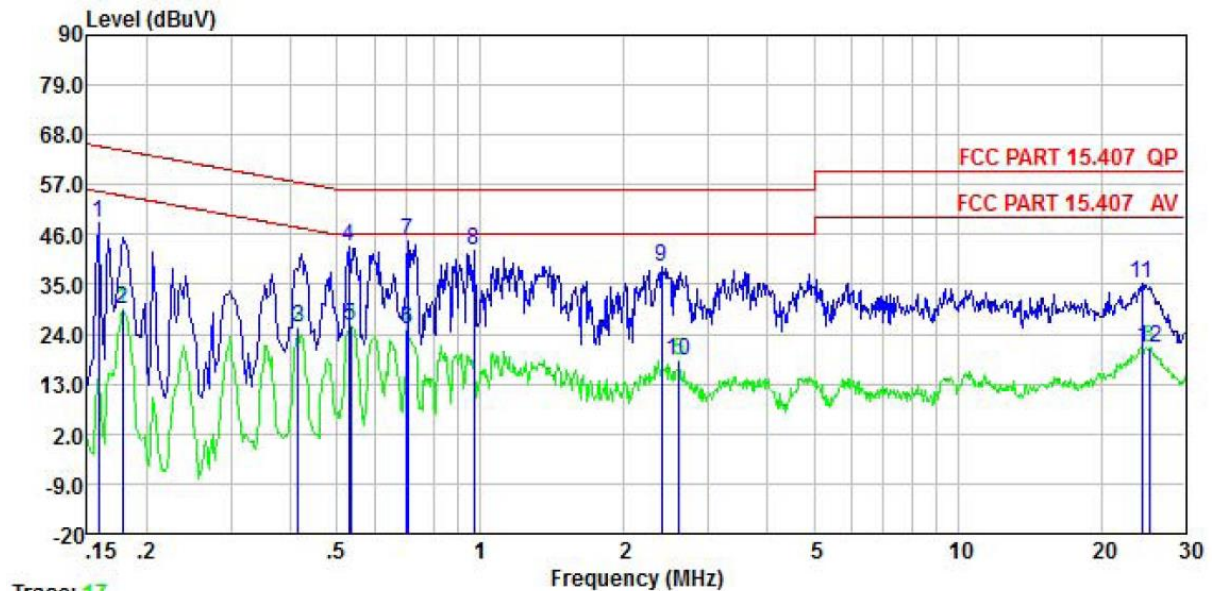
| Unwanted Emissions  | <p>(1) <b>For transmitters operating in the 5.15-5.25 GHz band:</b> All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(2) <b>For transmitters operating solely in the 5.725-5.850 GHz band:</b> All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p> <p>(3) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. The provisions of § 15.205 apply to intentional radiators operating under this section:</p> <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table> <p><b>Note:</b> The more stringent limit applies at transition frequencies.</p> <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBµV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> <p><b>Note:</b> The measurement bandwidth shall be 1 MHz or greater.</p> | Frequency (MHz) | Limit (dBµV/m) |  | Detector | @ 3m | @ 10m | 30 – 88 | 40.0 | 30.0 | Quasi-peak | 88 – 216 | 43.5 | 33.5 | Quasi-peak | 216 – 960 | 46.0 | 36.0 | Quasi-peak | 960 – 1000 | 54.0 | 44.0 | Quasi-peak | Frequency | Limit (dBµV/m) @ 3m |  | Average | Peake | Above 1 GHz | 54.0 | 74.0 |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--|----------|------|-------|---------|------|------|------------|----------|------|------|------------|-----------|------|------|------------|------------|------|------|------------|-----------|---------------------|--|---------|-------|-------------|------|------|
| Frequency (MHz)     | Limit (dBµV/m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | Detector       |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
|                     | @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | @ 10m           |                |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 30 – 88             | 40.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30.0            | Quasi-peak     |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 88 – 216            | 43.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 33.5            | Quasi-peak     |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 216 – 960           | 46.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 36.0            | Quasi-peak     |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 960 – 1000          | 54.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 44.0            | Quasi-peak     |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Frequency           | Limit (dBµV/m) @ 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
|                     | Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Peake           |                |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Above 1 GHz         | 54.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 74.0            |                |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Frequency Stability | Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                |  |          |      |       |         |      |      |            |          |      |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |

## 6.2 Antenna requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | FCC Part 15 C Section 15.203 |
| 15.203 requirement:<br>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. |                              |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |
| The Wi-Fi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -0.9 dBi. See product internal photos for details.                                                                                                                                                                                                                                                                                                        |                              |

### 6.3 AC Power Line Conducted Emission

|                 |                  |                |               |
|-----------------|------------------|----------------|---------------|
| Product name:   | Mobile Phone     | Product model: | X665E         |
| Test by:        | Mike             | Test mode:     | 5G Wi-Fi mode |
| Test frequency: | 150 kHz ~ 30 MHz | Phase:         | Line          |
| Test voltage:   | AC 120 V/60 Hz   |                |               |

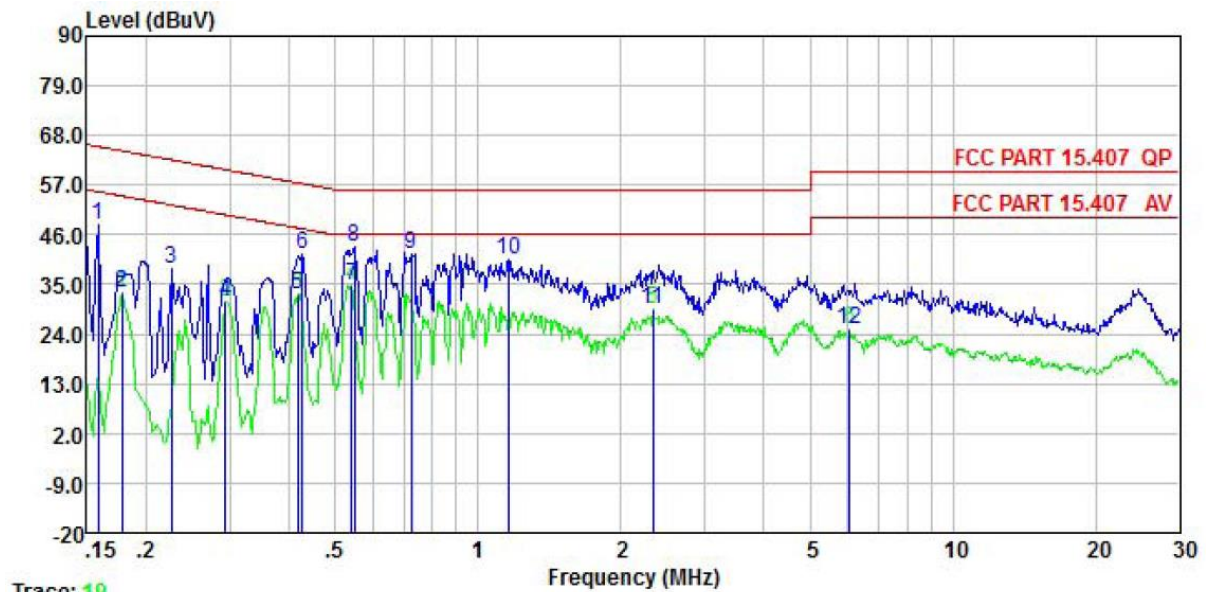


|    | Freq   | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark  |
|----|--------|------------|-------------|------------|-------|------------|------------|---------|
|    | MHz    | dBuV       | dB          | dB         | dBuV  | dBuV       | dB         |         |
| 1  | 0.158  | 48.61      | 0.04        | 0.01       | 48.66 | 65.56      | -16.90     | QP      |
| 2  | 0.178  | 29.39      | 0.04        | 0.01       | 29.44 | 54.59      | -25.15     | Average |
| 3  | 0.415  | 25.51      | 0.04        | 0.04       | 25.59 | 47.55      | -21.96     | Average |
| 4  | 0.529  | 43.29      | 0.04        | 0.03       | 43.36 | 56.00      | -12.64     | QP      |
| 5  | 0.535  | 25.61      | 0.04        | 0.03       | 25.68 | 46.00      | -20.32     | Average |
| 6  | 0.701  | 24.86      | 0.04        | 0.03       | 24.93 | 46.00      | -21.07     | Average |
| 7  | 0.705  | 44.52      | 0.04        | 0.03       | 44.59 | 56.00      | -11.41     | QP      |
| 8  | 0.968  | 42.40      | 0.05        | 0.05       | 42.50 | 56.00      | -13.50     | QP      |
| 9  | 2.396  | 38.79      | 0.08        | 0.15       | 39.02 | 56.00      | -16.98     | QP      |
| 10 | 2.608  | 17.79      | 0.08        | 0.12       | 17.99 | 46.00      | -28.01     | Average |
| 11 | 24.271 | 34.53      | 0.36        | 0.18       | 35.07 | 60.00      | -24.93     | QP      |
| 12 | 25.188 | 20.56      | 0.36        | 0.19       | 21.11 | 50.00      | -28.89     | Average |

#### Remark:

1. Level = Read level + LISN Factor + Cable Loss.

|                 |                  |                |               |
|-----------------|------------------|----------------|---------------|
| Product name:   | Mobile Phone     | Product model: | X665E         |
| Test by:        | Mike             | Test mode:     | 5G Wi-Fi mode |
| Test frequency: | 150 kHz ~ 30 MHz | Phase:         | Neutral       |
| Test voltage:   | AC 120 V/60 Hz   |                |               |



|    | Freq  | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark  |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
|    | MHz   | dBuV       | dB          | dB         | dBuV  | dBuV       | dB         |         |
| 1  | 0.158 | 48.22      | 0.05        | 0.01       | 48.28 | 65.56      | -17.28     | Peak    |
| 2  | 0.178 | 33.26      | 0.04        | 0.01       | 33.31 | 54.59      | -21.28     | Average |
| 3  | 0.226 | 38.34      | 0.04        | 0.02       | 38.40 | 62.61      | -24.21     | Peak    |
| 4  | 0.294 | 31.15      | 0.04        | 0.03       | 31.22 | 50.41      | -19.19     | Average |
| 5  | 0.417 | 32.63      | 0.04        | 0.04       | 32.71 | 47.51      | -14.80     | Average |
| 6  | 0.426 | 41.81      | 0.04        | 0.03       | 41.88 | 57.33      | -15.45     | Peak    |
| 7  | 0.541 | 34.82      | 0.04        | 0.03       | 34.89 | 46.00      | -11.11     | Average |
| 8  | 0.549 | 43.21      | 0.04        | 0.02       | 43.27 | 56.00      | -12.73     | Peak    |
| 9  | 0.724 | 41.78      | 0.04        | 0.03       | 41.85 | 56.00      | -14.15     | Peak    |
| 10 | 1.160 | 40.47      | 0.05        | 0.08       | 40.60 | 56.00      | -15.40     | Peak    |
| 11 | 2.334 | 29.41      | 0.07        | 0.16       | 29.64 | 46.00      | -16.36     | Average |
| 12 | 6.056 | 24.94      | 0.12        | 0.09       | 25.15 | 50.00      | -24.85     | Average |

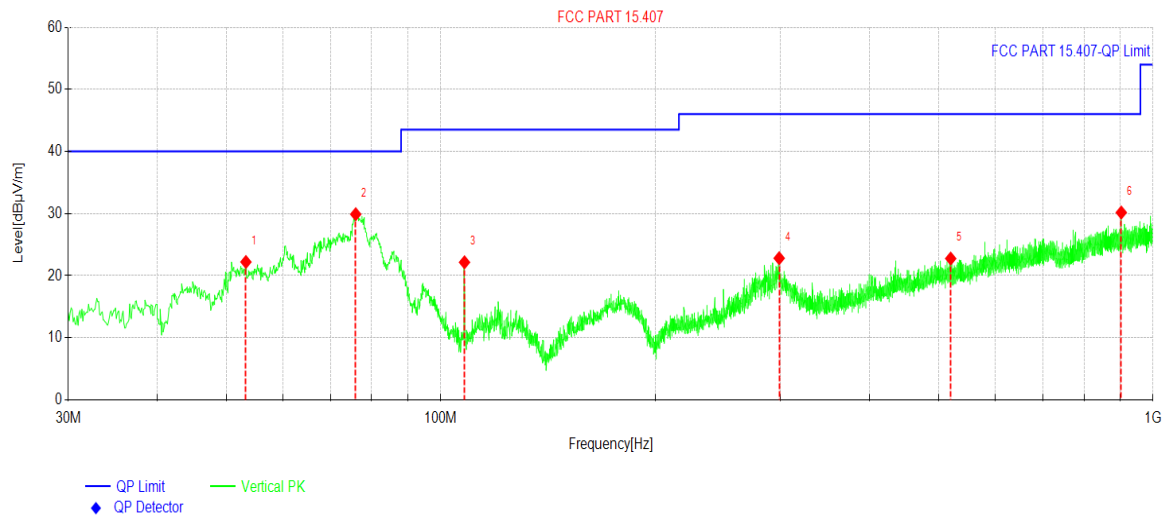
**Remark:**

1. Level = Read level + LISN Factor + Cable Loss.

## 6.4 Unwanted Emissions

Below 1GHz:

|                 |                |                |               |
|-----------------|----------------|----------------|---------------|
| Product Name:   | Mobile Phone   | Product Model: | X665E         |
| Test By:        | Mike           | Test mode:     | 5G Wi-Fi mode |
| Test Frequency: | 30 MHz ~ 1 GHz | Polarization:  | Vertical      |
| Test Voltage:   | DC 3.85V       |                |               |



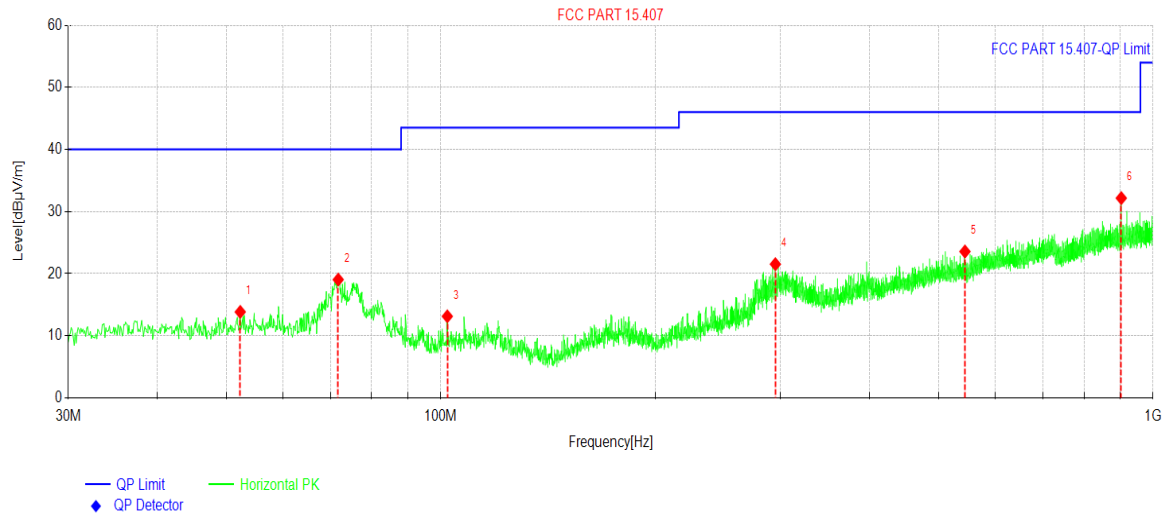
**Suspected Data List**

| NO. | Freq. [MHz] | Reading[dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Angle [°] | Polarity |
|-----|-------------|-----------------|----------------|-------------|----------------|-------------|-----------|----------|
| 1   | 53.2823     | 36.86           | 22.21          | -14.65      | 40.00          | 17.79       | 354       | Vertical |
| 2   | 75.9826     | 47.04           | 29.89          | -17.15      | 40.00          | 10.11       | 183       | Vertical |
| 3   | 107.995     | 38.09           | 22.15          | -15.94      | 43.50          | 21.35       | 94        | Vertical |
| 4   | 298.716     | 35.54           | 22.81          | -12.73      | 46.00          | 23.19       | 58        | Vertical |
| 5   | 519.996     | 29.67           | 22.76          | -6.91       | 46.00          | 23.24       | 63        | Vertical |
| 6   | 902.602     | 31.54           | 30.17          | -1.37       | 46.00          | 15.83       | 302       | Vertical |

**Remark:**

1. Level = Read level + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

|                 |                |                |               |
|-----------------|----------------|----------------|---------------|
| Product Name:   | Mobile Phone   | Product Model: | X665E         |
| Test By:        | Mike           | Test mode:     | 5G Wi-Fi mode |
| Test Frequency: | 30 MHz ~ 1 GHz | Polarization:  | Horizontal    |
| Test Voltage:   | DC 3.85V       |                |               |



#### Suspected Data List

| NO. | Freq. [MHz] | Reading[dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Angle [°] | Polarity   |
|-----|-------------|-----------------|----------------|-------------|----------------|-------------|-----------|------------|
| 1   | 52.3122     | 28.51           | 13.84          | -14.67      | 40.00          | 26.16       | 185       | Horizontal |
| 2   | 71.8112     | 36.04           | 19.04          | -17.00      | 40.00          | 20.96       | 200       | Horizontal |
| 3   | 102.175     | 29.27           | 13.13          | -16.14      | 43.50          | 30.37       | 190       | Horizontal |
| 4   | 295.030     | 34.33           | 21.53          | -12.80      | 46.00          | 24.47       | 200       | Horizontal |
| 5   | 544.539     | 30.41           | 23.57          | -6.84       | 46.00          | 22.43       | 358       | Horizontal |
| 6   | 902.602     | 33.54           | 32.17          | -1.37       | 46.00          | 13.83       | 247       | Horizontal |

#### Remark:

1. Level = Read level + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

### Above 1GHz

| Band 1: 5150 MHz - 5250 MHz, 802.11a |                   |             |                |                |             |              |
|--------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel         |                   |             |                |                |             |              |
| Detector: Peak Value                 |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                              | 36.41             | 15.49       | 51.90          | 74.00          | 22.10       | Vertical     |
| 10360.00                             | 51.34             | 5.48        | 56.82          | 68.20          | 11.38       | Vertical     |
| 5150.00                              | 39.00             | 15.49       | 54.49          | 74.00          | 19.51       | Horizontal   |
| 10360.00                             | 51.24             | 5.48        | 56.72          | 68.20          | 11.48       | Horizontal   |
| Detector: Average Value              |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                              | 25.16             | 15.49       | 40.65          | 54.00          | 13.35       | Vertical     |
| 5150.00                              | 25.57             | 15.49       | 41.06          | 54.00          | 12.94       | Horizontal   |
| Test channel: Middle channel         |                   |             |                |                |             |              |
| Detector: Peak Value                 |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 10400.00                             | 51.44             | 5.31        | 56.75          | 68.20          | 11.45       | Vertical     |
| 10400.00                             | 51.84             | 5.31        | 57.15          | 68.20          | 11.05       | Horizontal   |
| Test channel: Highest channel        |                   |             |                |                |             |              |
| Detector: Peak Value                 |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                              | 34.57             | 16.44       | 51.01          | 74.00          | 22.99       | Vertical     |
| 10480.00                             | 51.30             | 5.98        | 57.28          | 68.20          | 10.92       | Vertical     |
| 5350.00                              | 34.03             | 16.44       | 50.47          | 74.00          | 23.53       | Horizontal   |
| 10480.00                             | 51.47             | 5.98        | 57.45          | 68.20          | 10.75       | Horizontal   |
| Detector: Average Value              |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                              | 24.36             | 16.44       | 40.80          | 54.00          | 13.20       | Vertical     |
| 5350.00                              | 24.55             | 16.44       | 40.99          | 54.00          | 13.01       | Horizontal   |
| <b>Remark:</b>                       |                   |             |                |                |             |              |
| 1. Level = Read level + Factor.      |                   |             |                |                |             |              |

| Band 1: 5150 MHz - 5250 MHz, 802.11n-HT20 |                   |             |                |                |             |              |
|-------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel              |                   |             |                |                |             |              |
| Detector: Peak Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                   | 34.92             | 15.49       | 50.41          | 74.00          | 23.59       | Vertical     |
| 10360.00                                  | 51.49             | 5.48        | 56.97          | 68.20          | 11.23       | Vertical     |
| 5150.00                                   | 37.05             | 15.49       | 52.54          | 74.00          | 21.46       | Horizontal   |
| 10360.00                                  | 51.64             | 5.48        | 57.12          | 68.20          | 11.08       | Horizontal   |
| Detector: Average Value                   |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                   | 24.85             | 15.49       | 40.34          | 54.00          | 13.66       | Vertical     |
| 5150.00                                   | 25.61             | 15.49       | 41.10          | 54.00          | 12.90       | Horizontal   |
| Test channel: Middle channel              |                   |             |                |                |             |              |
| Detector: Peak Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 10400.00                                  | 51.36             | 5.31        | 56.67          | 68.20          | 11.53       | Vertical     |
| 10400.00                                  | 51.26             | 5.31        | 56.57          | 68.20          | 11.63       | Horizontal   |
| Test channel: Highest channel             |                   |             |                |                |             |              |
| Detector: Peak Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                   | 34.65             | 16.44       | 51.09          | 74.00          | 22.91       | Vertical     |
| 10480.00                                  | 51.63             | 5.98        | 57.61          | 68.20          | 10.59       | Vertical     |
| 5350.00                                   | 35.46             | 16.44       | 51.90          | 74.00          | 22.10       | Horizontal   |
| 10480.00                                  | 51.19             | 5.98        | 57.17          | 68.20          | 11.03       | Horizontal   |
| Detector: Average Value                   |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                   | 24.51             | 16.44       | 40.95          | 54.00          | 13.05       | Vertical     |
| 5350.00                                   | 24.40             | 16.44       | 40.84          | 54.00          | 13.16       | Horizontal   |
| <b>Remark:</b>                            |                   |             |                |                |             |              |
| 1. Level = Read level + Factor.           |                   |             |                |                |             |              |

| Band 1: 5150 MHz - 5250 MHz, 802.11n-HT40         |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                      |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                           | 42.38             | 15.49       | 57.87          | 74.00          | 16.13       | Vertical     |
| 10380.00                                          | 51.77             | 5.39        | 57.16          | 68.20          | 11.04       | Vertical     |
| 5150.00                                           | 46.03             | 15.49       | 61.52          | 74.00          | 12.48       | Horizontal   |
| 10380.00                                          | 51.35             | 5.39        | 56.74          | 68.20          | 11.46       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                           | 26.42             | 15.49       | 41.91          | 54.00          | 12.09       | Vertical     |
| 5150.00                                           | 27.54             | 15.49       | 43.03          | 54.00          | 10.97       | Horizontal   |
| Test channel: Highest channel                     |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                           | 34.60             | 16.44       | 51.04          | 74.00          | 22.96       | Vertical     |
| 10460.00                                          | 51.40             | 5.81        | 57.21          | 68.20          | 10.99       | Vertical     |
| 5350.00                                           | 35.18             | 16.44       | 51.62          | 74.00          | 22.38       | Horizontal   |
| 10460.00                                          | 51.92             | 5.81        | 57.73          | 68.20          | 10.47       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                           | 24.18             | 16.44       | 40.62          | 54.00          | 13.38       | Vertical     |
| 5350.00                                           | 24.31             | 16.44       | 40.75          | 54.00          | 13.25       | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 1: 5150 MHz - 5250 MHz, 802.11ac-VHT20 |                   |             |                |                |             |              |
|---------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                |                   |             |                |                |             |              |
| Detector: Peak Value                        |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                     | 34.77             | 15.49       | 50.26          | 74.00          | 23.74       | Vertical     |
| 10360.00                                    | 51.65             | 5.48        | 57.13          | 68.20          | 11.07       | Vertical     |
| 5150.00                                     | 36.99             | 15.49       | 52.48          | 74.00          | 21.52       | Horizontal   |
| 10360.00                                    | 51.26             | 5.48        | 56.74          | 68.20          | 11.46       | Horizontal   |
| Detector: Average Value                     |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                     | 25.08             | 15.49       | 40.57          | 54.00          | 13.43       | Vertical     |
| 5150.00                                     | 26.05             | 15.49       | 41.54          | 54.00          | 12.46       | Horizontal   |
| Test channel: Middle channel                |                   |             |                |                |             |              |
| Detector: Peak Value                        |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 10400.00                                    | 51.46             | 5.31        | 56.77          | 68.20          | 11.43       | Vertical     |
| 10400.00                                    | 51.22             | 5.31        | 56.53          | 68.20          | 11.67       | Horizontal   |
| Test channel: Highest channel               |                   |             |                |                |             |              |
| Detector: Peak Value                        |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                     | 35.09             | 16.44       | 51.53          | 74.00          | 22.47       | Vertical     |
| 10480.00                                    | 52.03             | 5.98        | 58.01          | 68.20          | 10.19       | Vertical     |
| 5350.00                                     | 35.10             | 16.44       | 51.54          | 74.00          | 22.46       | Horizontal   |
| 10480.00                                    | 51.10             | 5.98        | 57.08          | 68.20          | 11.12       | Horizontal   |
| Detector: Average Value                     |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                     | 24.75             | 16.44       | 41.19          | 54.00          | 12.81       | Vertical     |
| 5350.00                                     | 23.98             | 16.44       | 40.42          | 54.00          | 13.58       | Horizontal   |
| <b>Remark:</b>                              |                   |             |                |                |             |              |
| 1. Level = Read level + Factor.             |                   |             |                |                |             |              |

| Band 1: 5150 MHz - 5250 MHz, 802.11ac-VHT40       |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                      |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                           | 42.65             | 15.49       | 58.14          | 74.00          | 15.86       | Vertical     |
| 10380.00                                          | 51.49             | 5.39        | 56.88          | 68.20          | 11.32       | Vertical     |
| 5150.00                                           | 45.53             | 15.49       | 61.02          | 74.00          | 12.98       | Horizontal   |
| 10380.00                                          | 51.12             | 5.39        | 56.51          | 68.20          | 11.69       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                           | 26.01             | 15.49       | 41.50          | 54.00          | 12.50       | Vertical     |
| 5150.00                                           | 27.54             | 15.49       | 43.03          | 54.00          | 10.97       | Horizontal   |
| Test channel: Highest channel                     |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                           | 34.46             | 16.44       | 50.90          | 74.00          | 23.10       | Vertical     |
| 10460.00                                          | 51.40             | 5.81        | 57.21          | 68.20          | 10.99       | Vertical     |
| 5350.00                                           | 35.50             | 16.44       | 51.94          | 74.00          | 22.06       | Horizontal   |
| 10460.00                                          | 51.65             | 5.81        | 57.46          | 68.20          | 10.74       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5350.00                                           | 23.77             | 16.44       | 40.21          | 54.00          | 13.79       | Vertical     |
| 5350.00                                           | 24.39             | 16.44       | 40.83          | 54.00          | 13.17       | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 1: 5150 MHz - 5250 MHz, 802.11ac-VHT80       |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Middle channel                      |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                           | 39.93             | 15.49       | 55.42          | 74.00          | 18.58       | Vertical     |
| 5350.00                                           | 34.85             | 16.44       | 51.29          | 74.00          | 22.71       | Vertical     |
| 10420.00                                          | 51.26             | 5.48        | 56.74          | 68.20          | 11.46       | Vertical     |
| 5150.00                                           | 42.74             | 15.49       | 58.23          | 74.00          | 15.77       | Horizontal   |
| 5350.00                                           | 35.60             | 16.44       | 52.04          | 74.00          | 21.96       | Horizontal   |
| 10420.00                                          | 51.45             | 5.48        | 56.93          | 68.20          | 11.27       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5150.00                                           | 27.48             | 15.49       | 42.97          | 54.00          | 11.03       | Vertical     |
| 5350.00                                           | 24.58             | 16.44       | 41.02          | 54.00          | 12.98       | Vertical     |
| 5150.00                                           | 29.20             | 15.49       | 44.69          | 54.00          | 9.31        | Horizontal   |
| 5350.00                                           | 24.34             | 16.44       | 40.78          | 54.00          | 13.22       | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 4: 5725 MHz - 5825 MHz, 802.11a |                   |             |                |                |             |              |
|--------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel         |                   |             |                |                |             |              |
| Detector: Peak Value                 |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5650.00                              | 40.47             | 17.02       | 57.49          | 68.20          | 10.71       | Vertical     |
| 5700.00                              | 40.67             | 17.13       | 57.80          | 105.20         | 47.40       | Vertical     |
| 5720.00                              | 40.03             | 17.21       | 57.24          | 110.80         | 53.56       | Vertical     |
| 5725.00                              | 40.23             | 17.23       | 57.46          | 122.20         | 64.74       | Vertical     |
| 11490.00                             | 51.39             | 7.21        | 58.60          | 74.00          | 15.40       | Vertical     |
| 5650.00                              | 40.73             | 17.02       | 57.75          | 68.20          | 10.45       | Horizontal   |
| 5700.00                              | 40.34             | 17.13       | 57.47          | 105.20         | 47.73       | Horizontal   |
| 5720.00                              | 42.05             | 17.21       | 59.26          | 110.80         | 51.54       | Horizontal   |
| 5725.00                              | 47.73             | 17.23       | 64.96          | 122.20         | 57.24       | Horizontal   |
| 11490.00                             | 55.71             | 7.21        | 62.92          | 74.00          | 11.08       | Horizontal   |
| Detector: Average Value              |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11490.00                             | 42.89             | 7.21        | 50.10          | 54.00          | 3.90        | Vertical     |
| 11490.00                             | 43.85             | 7.21        | 51.06          | 54.00          | 2.94        | Horizontal   |
| Test channel: Middle channel         |                   |             |                |                |             |              |
| Detector: Peak Value                 |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11570.00                             | 51.76             | 6.88        | 58.64          | 74.00          | 15.36       | Vertical     |
| 11570.00                             | 51.34             | 6.88        | 58.22          | 74.00          | 15.78       | Horizontal   |
| Detector: Average Value              |                   |             |                |                |             |              |
| Frequency (MHz)                      | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11570.00                             | 42.77             | 6.88        | 49.65          | 54.00          | 4.35        | Vertical     |
| 11570.00                             | 43.65             | 6.88        | 50.53          | 54.00          | 3.47        | Horizontal   |

| Test channel: Highest channel                     |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5850.00                                           | 39.57             | 17.55       | 57.12          | 122.20         | 65.08       | Vertical     |
| 5855.00                                           | 39.01             | 17.55       | 56.56          | 110.80         | 54.24       | Vertical     |
| 5875.00                                           | 39.03             | 17.57       | 56.60          | 105.20         | 48.60       | Vertical     |
| 5925.00                                           | 40.26             | 17.37       | 57.63          | 68.20          | 10.57       | Vertical     |
| 11650.00                                          | 51.86             | 7.09        | 58.95          | 74.00          | 15.05       | Vertical     |
| 5850.00                                           | 39.49             | 17.55       | 57.04          | 122.20         | 65.16       | Horizontal   |
| 5855.00                                           | 39.19             | 17.55       | 56.74          | 110.80         | 54.06       | Horizontal   |
| 5875.00                                           | 38.66             | 17.57       | 56.23          | 105.20         | 48.97       | Horizontal   |
| 5925.00                                           | 41.37             | 17.37       | 58.74          | 68.20          | 9.46        | Horizontal   |
| 11650.00                                          | 51.44             | 7.09        | 58.53          | 74.00          | 15.47       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11650.00                                          | 42.69             | 7.09        | 49.78          | 54.00          | 4.22        | Vertical     |
| 11650.00                                          | 43.15             | 7.09        | 50.24          | 54.00          | 3.76        | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 4: 5725 MHz - 5825 MHz, 802.11n-HT20 |                   |             |                |                |             |              |
|-------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel              |                   |             |                |                |             |              |
| Detector: Peak Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5650.00                                   | 40.08             | 17.02       | 57.10          | 68.20          | 11.10       | Vertical     |
| 5700.00                                   | 40.12             | 17.13       | 57.25          | 105.20         | 47.95       | Vertical     |
| 5720.00                                   | 40.90             | 17.21       | 58.11          | 110.80         | 52.69       | Vertical     |
| 5725.00                                   | 47.02             | 17.23       | 64.25          | 122.20         | 57.95       | Vertical     |
| 11490.00                                  | 51.44             | 7.21        | 58.65          | 74.00          | 15.35       | Vertical     |
| 5650.00                                   | 40.50             | 17.02       | 57.52          | 68.20          | 10.68       | Horizontal   |
| 5700.00                                   | 40.43             | 17.13       | 57.56          | 105.20         | 47.64       | Horizontal   |
| 5720.00                                   | 44.60             | 17.21       | 61.81          | 110.80         | 48.99       | Horizontal   |
| 5725.00                                   | 51.47             | 17.23       | 68.70          | 122.20         | 53.50       | Horizontal   |
| 11490.00                                  | 55.39             | 7.21        | 62.60          | 74.00          | 11.40       | Horizontal   |
| Detector: Average Value                   |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11490.00                                  | 42.67             | 7.21        | 49.88          | 54.00          | 4.12        | Vertical     |
| 11490.00                                  | 43.75             | 7.21        | 50.96          | 54.00          | 3.04        | Horizontal   |
| Test channel: Middle channel              |                   |             |                |                |             |              |
| Detector: Peak Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11570.00                                  | 51.63             | 6.88        | 58.51          | 74.00          | 15.49       | Vertical     |
| 11570.00                                  | 51.21             | 6.88        | 58.09          | 74.00          | 15.91       | Horizontal   |
| Detector: Average Value                   |                   |             |                |                |             |              |
| Frequency (MHz)                           | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11570.00                                  | 42.96             | 6.88        | 49.84          | 54.00          | 4.16        | Vertical     |
| 11570.00                                  | 43.74             | 6.88        | 50.62          | 54.00          | 3.38        | Horizontal   |

| Test channel: Highest channel                     |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5850.00                                           | 40.72             | 17.55       | 58.27          | 122.20         | 63.93       | Vertical     |
| 5855.00                                           | 39.41             | 17.55       | 56.96          | 110.80         | 53.84       | Vertical     |
| 5875.00                                           | 39.09             | 17.57       | 56.66          | 105.20         | 48.54       | Vertical     |
| 5925.00                                           | 39.60             | 17.37       | 56.97          | 68.20          | 11.23       | Vertical     |
| 11650.00                                          | 51.61             | 7.09        | 58.70          | 74.00          | 15.30       | Vertical     |
| 5850.00                                           | 41.92             | 17.55       | 59.47          | 122.20         | 62.73       | Horizontal   |
| 5855.00                                           | 39.23             | 17.55       | 56.78          | 110.80         | 54.02       | Horizontal   |
| 5875.00                                           | 38.94             | 17.57       | 56.51          | 105.20         | 48.69       | Horizontal   |
| 5925.00                                           | 39.12             | 17.37       | 56.49          | 68.20          | 11.71       | Horizontal   |
| 11650.00                                          | 51.61             | 7.09        | 58.70          | 74.00          | 15.30       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11650.00                                          | 42.88             | 7.09        | 49.97          | 54.00          | 4.03        | Vertical     |
| 11650.00                                          | 43.53             | 7.09        | 50.62          | 54.00          | 3.38        | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 4: 5725 MHz - 5825 MHz, 802.11n-HT40         |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                      |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5650.00                                           | 40.06             | 17.02       | 57.08          | 68.20          | 11.12       | Vertical     |
| 5700.00                                           | 40.39             | 17.13       | 57.52          | 105.20         | 47.68       | Vertical     |
| 5720.00                                           | 44.07             | 17.21       | 61.28          | 110.80         | 49.52       | Vertical     |
| 5725.00                                           | 46.17             | 17.23       | 63.40          | 122.20         | 58.80       | Vertical     |
| 11510.00                                          | 51.95             | 7.20        | 59.15          | 74.00          | 14.85       | Vertical     |
| 5650.00                                           | 40.66             | 17.02       | 57.68          | 68.20          | 10.52       | Horizontal   |
| 5700.00                                           | 42.10             | 17.13       | 59.23          | 105.20         | 45.97       | Horizontal   |
| 5720.00                                           | 50.49             | 17.21       | 67.70          | 110.80         | 43.10       | Horizontal   |
| 5725.00                                           | 50.64             | 17.23       | 67.87          | 122.20         | 54.33       | Horizontal   |
| 11510.00                                          | 51.49             | 7.20        | 58.69          | 74.00          | 15.31       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11510.00                                          | 42.77             | 7.20        | 49.97          | 54.00          | 4.03        | Vertical     |
| 11510.00                                          | 43.79             | 7.20        | 50.99          | 54.00          | 3.01        | Horizontal   |
| Test channel: Highest channel                     |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5850.00                                           | 39.15             | 17.55       | 56.70          | 122.20         | 65.50       | Vertical     |
| 5855.00                                           | 40.14             | 17.55       | 57.69          | 110.80         | 53.11       | Vertical     |
| 5875.00                                           | 39.81             | 17.57       | 57.38          | 105.20         | 47.82       | Vertical     |
| 5925.00                                           | 39.88             | 17.37       | 57.25          | 68.20          | 10.95       | Vertical     |
| 11590.00                                          | 51.87             | 6.77        | 58.64          | 74.00          | 15.36       | Vertical     |
| 5850.00                                           | 40.46             | 17.55       | 58.01          | 122.20         | 64.19       | Horizontal   |
| 5855.00                                           | 39.63             | 17.55       | 57.18          | 110.80         | 53.62       | Horizontal   |
| 5875.00                                           | 39.35             | 17.57       | 56.92          | 105.20         | 48.28       | Horizontal   |
| 5925.00                                           | 39.37             | 17.37       | 56.74          | 68.20          | 11.46       | Horizontal   |
| 11590.00                                          | 51.64             | 6.77        | 58.41          | 74.00          | 15.59       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11590.00                                          | 42.91             | 6.77        | 49.68          | 54.00          | 4.32        | Vertical     |
| 11590.00                                          | 43.84             | 6.77        | 50.61          | 54.00          | 3.39        | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 4: 5725 MHz - 5825 MHz, 8802.11ac-VHT20 |                   |             |                |                |             |              |
|----------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                 |                   |             |                |                |             |              |
| Detector: Peak Value                         |                   |             |                |                |             |              |
| Frequency (MHz)                              | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5650.00                                      | 40.05             | 17.02       | 57.07          | 68.20          | 11.13       | Vertical     |
| 5700.00                                      | 40.01             | 17.13       | 57.14          | 105.20         | 48.06       | Vertical     |
| 5720.00                                      | 41.30             | 17.21       | 58.51          | 110.80         | 52.29       | Vertical     |
| 5725.00                                      | 47.49             | 17.23       | 64.72          | 122.20         | 57.48       | Vertical     |
| 11490.00                                     | 51.73             | 7.21        | 58.94          | 74.00          | 15.06       | Vertical     |
| 5650.00                                      | 40.35             | 17.02       | 57.37          | 68.20          | 10.83       | Horizontal   |
| 5700.00                                      | 40.54             | 17.13       | 57.67          | 105.20         | 47.53       | Horizontal   |
| 5720.00                                      | 44.91             | 17.21       | 62.12          | 110.80         | 48.68       | Horizontal   |
| 5725.00                                      | 51.26             | 17.23       | 68.49          | 122.20         | 53.71       | Horizontal   |
| 11490.00                                     | 55.18             | 7.21        | 62.39          | 74.00          | 11.61       | Horizontal   |
| Detector: Average Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                              | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11490.00                                     | 42.43             | 7.21        | 49.64          | 54.00          | 4.36        | Vertical     |
| 11490.00                                     | 43.36             | 7.21        | 50.57          | 54.00          | 3.43        | Horizontal   |
| Test channel: Middle channel                 |                   |             |                |                |             |              |
| Detector: Peak Value                         |                   |             |                |                |             |              |
| Frequency (MHz)                              | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11570.00                                     | 51.52             | 6.88        | 58.40          | 74.00          | 15.60       | Vertical     |
| 11570.00                                     | 51.19             | 6.88        | 58.07          | 74.00          | 15.93       | Horizontal   |
| Detector: Average Value                      |                   |             |                |                |             |              |
| Frequency (MHz)                              | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11570.00                                     | 42.63             | 6.88        | 49.51          | 54.00          | 4.49        | Vertical     |
| 11570.00                                     | 43.54             | 6.88        | 50.42          | 54.00          | 3.58        | Horizontal   |

| Test channel: Highest channel                     |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5850.00                                           | 40.62             | 17.55       | 58.17          | 122.20         | 64.03       | Vertical     |
| 5855.00                                           | 39.41             | 17.55       | 56.96          | 110.80         | 53.84       | Vertical     |
| 5875.00                                           | 39.50             | 17.57       | 57.07          | 105.20         | 48.13       | Vertical     |
| 5925.00                                           | 39.41             | 17.37       | 56.78          | 68.20          | 11.42       | Vertical     |
| 11650.00                                          | 51.23             | 7.09        | 58.32          | 74.00          | 15.68       | Vertical     |
| 5850.00                                           | 42.10             | 17.55       | 59.65          | 122.20         | 62.55       | Horizontal   |
| 5855.00                                           | 39.36             | 17.55       | 56.91          | 110.80         | 53.89       | Horizontal   |
| 5875.00                                           | 38.94             | 17.57       | 56.51          | 105.20         | 48.69       | Horizontal   |
| 5925.00                                           | 39.11             | 17.37       | 56.48          | 68.20          | 11.72       | Horizontal   |
| 11650.00                                          | 51.33             | 7.09        | 58.42          | 74.00          | 15.58       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11650.00                                          | 42.65             | 7.09        | 49.74          | 54.00          | 4.26        | Vertical     |
| 11650.00                                          | 43.53             | 7.09        | 50.62          | 54.00          | 3.38        | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 4: 5725 MHz - 5825 MHz, 802.11ac-VHT40       |                   |             |                |                |             |              |
|---------------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                      |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5650.00                                           | 39.92             | 17.02       | 56.94          | 68.20          | 11.26       | Vertical     |
| 5700.00                                           | 40.63             | 17.13       | 57.76          | 105.20         | 47.44       | Vertical     |
| 5720.00                                           | 44.07             | 17.21       | 61.28          | 110.80         | 49.52       | Vertical     |
| 5725.00                                           | 46.61             | 17.23       | 63.84          | 122.20         | 58.36       | Vertical     |
| 11510.00                                          | 51.95             | 7.20        | 59.15          | 74.00          | 14.85       | Vertical     |
| 5650.00                                           | 40.99             | 17.02       | 58.01          | 68.20          | 10.19       | Horizontal   |
| 5700.00                                           | 41.92             | 17.13       | 59.05          | 105.20         | 46.15       | Horizontal   |
| 5720.00                                           | 50.78             | 17.21       | 67.99          | 110.80         | 42.81       | Horizontal   |
| 5725.00                                           | 50.55             | 17.23       | 67.78          | 122.20         | 54.42       | Horizontal   |
| 11510.00                                          | 51.38             | 7.20        | 58.58          | 74.00          | 15.42       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11510.00                                          | 42.65             | 7.20        | 49.85          | 54.00          | 4.15        | Vertical     |
| 11510.00                                          | 43.73             | 7.20        | 50.93          | 54.00          | 3.07        | Horizontal   |
| Test channel: Highest channel                     |                   |             |                |                |             |              |
| Detector: Peak Value                              |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5850.00                                           | 39.13             | 17.55       | 56.68          | 122.20         | 65.52       | Vertical     |
| 5855.00                                           | 39.92             | 17.55       | 57.47          | 110.80         | 53.33       | Vertical     |
| 5875.00                                           | 39.60             | 17.57       | 57.17          | 105.20         | 48.03       | Vertical     |
| 5925.00                                           | 39.88             | 17.37       | 57.25          | 68.20          | 10.95       | Vertical     |
| 11590.00                                          | 52.32             | 6.77        | 59.09          | 74.00          | 14.91       | Vertical     |
| 5850.00                                           | 40.66             | 17.55       | 58.21          | 122.20         | 63.99       | Horizontal   |
| 5855.00                                           | 39.75             | 17.55       | 57.30          | 110.80         | 53.50       | Horizontal   |
| 5875.00                                           | 39.81             | 17.57       | 57.38          | 105.20         | 47.82       | Horizontal   |
| 5925.00                                           | 39.75             | 17.37       | 57.12          | 68.20          | 11.08       | Horizontal   |
| 11590.00                                          | 51.90             | 6.77        | 58.67          | 74.00          | 15.33       | Horizontal   |
| Detector: Average Value                           |                   |             |                |                |             |              |
| Frequency (MHz)                                   | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11590.00                                          | 42.72             | 6.77        | 49.49          | 54.00          | 4.51        | Vertical     |
| 11590.00                                          | 43.75             | 6.77        | 50.52          | 54.00          | 3.48        | Horizontal   |
| <b>Remark:</b><br>1. Level = Read level + Factor. |                   |             |                |                |             |              |

| Band 4: 5725 MHz - 5825 MHz, 802.11ac-VHT80 |                   |             |                |                |             |              |
|---------------------------------------------|-------------------|-------------|----------------|----------------|-------------|--------------|
| Test channel: Lowest channel                |                   |             |                |                |             |              |
| Detector: Peak Value                        |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 5650.00                                     | 40.49             | 17.02       | 57.51          | 68.20          | 10.69       | Vertical     |
| 5700.00                                     | 40.01             | 17.13       | 57.14          | 105.20         | 48.06       | Vertical     |
| 5720.00                                     | 40.27             | 17.21       | 57.48          | 110.80         | 53.32       | Vertical     |
| 5725.00                                     | 41.00             | 17.23       | 58.23          | 122.20         | 63.97       | Vertical     |
| 5850.00                                     | 39.20             | 17.55       | 56.75          | 122.20         | 65.45       | Vertical     |
| 5855.00                                     | 40.46             | 17.55       | 58.01          | 110.80         | 52.79       | Vertical     |
| 5875.00                                     | 39.29             | 17.57       | 56.86          | 105.20         | 48.34       | Vertical     |
| 5925.00                                     | 39.30             | 17.37       | 56.67          | 68.20          | 11.53       | Vertical     |
| 11550.00                                    | 51.82             | 6.99        | 58.81          | 74.00          | 15.19       | Vertical     |
| 5650.00                                     | 40.42             | 17.02       | 57.44          | 68.20          | 10.76       | Horizontal   |
| 5700.00                                     | 43.76             | 17.13       | 60.89          | 105.20         | 44.31       | Horizontal   |
| 5720.00                                     | 44.34             | 17.21       | 61.55          | 110.80         | 49.25       | Horizontal   |
| 5725.00                                     | 46.64             | 17.23       | 63.87          | 122.20         | 58.33       | Horizontal   |
| 5850.00                                     | 42.45             | 17.55       | 60.00          | 122.20         | 62.20       | Horizontal   |
| 5855.00                                     | 42.77             | 17.55       | 60.32          | 110.80         | 50.48       | Horizontal   |
| 5875.00                                     | 40.07             | 17.57       | 57.64          | 105.20         | 47.56       | Horizontal   |
| 5925.00                                     | 39.11             | 17.37       | 56.48          | 68.20          | 11.72       | Horizontal   |
| 11550.00                                    | 51.46             | 6.99        | 58.45          | 74.00          | 15.55       | Horizontal   |
| Detector: Average Value                     |                   |             |                |                |             |              |
| Frequency (MHz)                             | Read Level (dBμV) | Factor (dB) | Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Polarization |
| 11550.00                                    | 42.84             | 6.99        | 49.83          | 54.00          | 4.17        | Vertical     |
| 11550.00                                    | 43.99             | 6.99        | 50.98          | 54.00          | 3.02        | Horizontal   |

-----End of report-----