

# FCC Radio Test Report

## FCC ID: OYR-CF-813B

### Original Grant

**Report No.** : TB-FCC186041  
**Applicant** : Shenzhen Four Seas Global Link Network Technology Co., Ltd.  
**Equipment Under Test (EUT)**  
**EUT Name** : AC Wireless Network Card  
**Model No.** : CF-813B  
**Series Model No.** : CF-723B, CF-725B, CF-726B, CF-727B, CF-927B, CF-759B,  
CF-963B, CF-728B, CF-729B  
**Brand Name** : ----  
**Sample ID** : 20211223-01\_03-01#& 20211223-01\_03-02#  
**Receipt Date** : 2021-12-29  
**Test Date** : 2021-12-29 to 2022-01-22  
**Issue Date** : 2022-01-22  
**Standards** : FCC Part 15, Subpart E 15.407  
**Test Method** : ANSI C63.10: 2013  
**Conclusions** : **PASS**

In the configuration tested, the EUT complied with the standards specified above.

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**Engineer Supervisor** :  Ivan Su  
**Engineer Manager** :  Ray Lai



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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## Revision History

| Report No.   | Version | Description             | Issued Date |
|--------------|---------|-------------------------|-------------|
| TB-FCC186041 | Rev.01  | Initial issue of report | 2022-01-22  |
|              |         |                         |             |
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|              |         |                         |             |

## 1. General Information about EUT

### 1.1 Client Information

|                     |   |                                                                                                                       |
|---------------------|---|-----------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>    | : | Shenzhen Four Seas Global Link Network Technology Co., Ltd.                                                           |
| <b>Address</b>      | : | Room 607-610, Block B, TAOJINDI Electronic Business Incubation Base, Tenglong Road, Longhua District, Shenzhen, China |
| <b>Manufacturer</b> | : | Shenzhen Four Seas Global Link Network Technology Co., Ltd.                                                           |
| <b>Address</b>      | : | Room 607-610, Block B, TAOJINDI Electronic Business Incubation Base, Tenglong Road, Longhua District, Shenzhen, China |

### 1.2 General Description of EUT (Equipment Under Test)

|                            |   |                                                                                                                            |                                                                                                                                    |
|----------------------------|---|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Name</b>            | : | AC Wireless Network Card                                                                                                   |                                                                                                                                    |
| <b>Models No.</b>          | : | CF-813B, CF-723B, CF-725B, CF-726B, CF-727B, CF-927B, CF-759B, CF-963B, CF-728B, CF-729B                                   |                                                                                                                                    |
| <b>Model Difference</b>    | : | All PCB boards and circuit diagrams are the same, the only difference is that names and appearance color.                  |                                                                                                                                    |
| <b>Product Description</b> | : | Operation Frequency:<br>U-NII-1: 5180MHz~5240MHz, U-NII-3: 5745MHz~5825MHz                                                 |                                                                                                                                    |
|                            |   | Antenna Gain:                                                                                                              | 2dBi Metal Antenna                                                                                                                 |
|                            |   | Modulation Type:                                                                                                           | 802.11a: OFDM (QPSK, BPSK, 16QAM)<br>802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM)<br>802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM, 256QAM) |
|                            |   | Bit Rate of Transmitter:                                                                                                   | 802.11a: 6/9/12/18/24/36/48/54 Mbps<br>802.11n: up to 150Mbps<br>802.11ac: at most 433.3 Mbps                                      |
| <b>Power Rating</b>        | : | DC 5V                                                                                                                      |                                                                                                                                    |
| <b>Software Version</b>    | : | V1.0                                                                                                                       |                                                                                                                                    |
| <b>Hardware Version</b>    | : | V1.0                                                                                                                       |                                                                                                                                    |
| <b>Remark</b>              | : | The adapter and antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab. |                                                                                                                                    |

**Note:**

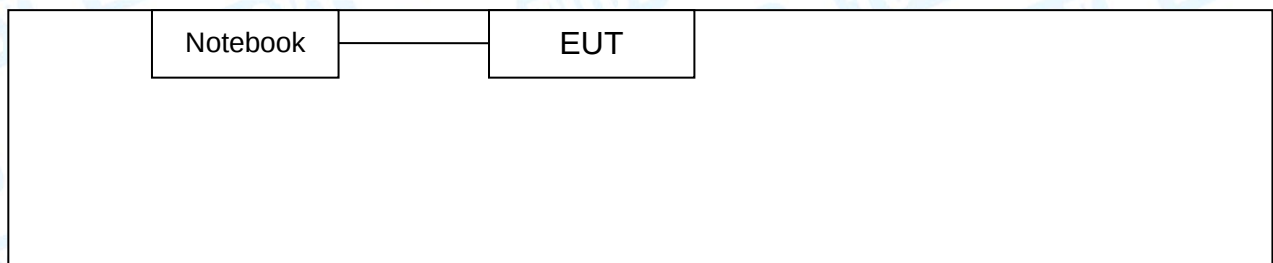
- (1) This Test Report is FCC Part 15, Subpart E(15.407) for 802.11a/n/ac, the test procedure follows the KDB 789033 D02 General U-NII Test Procedures New Rules v02r01. More detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(2) Channel List:

| Frequency Band                                                                                                                                   | Channel No. | Frequency | Channel No. | Frequency |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------------|-----------|
| 5180~5240MHz<br>(U-NII-1)                                                                                                                        | 36          | 5180 MHz  | 44          | 5220 MHz  |
|                                                                                                                                                  | 38          | 5190 MHz  | 46          | 5230 MHz  |
|                                                                                                                                                  | 40          | 5200 MHz  | 48          | 5240 MHz  |
|                                                                                                                                                  | 42          | 5210 MHz  |             |           |
| For 20 MHz Bandwidth, use channel 36, 40, 44, 48. For 40 MHz Bandwidth, use channel 38, 46.<br>For 80 MHz Bandwidth, use channel 42.             |             |           |             |           |
| Frequency Band                                                                                                                                   | Channel No. | Frequency | Channel No. | Frequency |
| 5745~5825MHz<br>(U-NII-3)                                                                                                                        | 149         | 5745 MHz  | 157         | 5785 MHz  |
|                                                                                                                                                  | 151         | 5755 MHz  | 159         | 5795 MHz  |
|                                                                                                                                                  | 153         | 5765 MHz  | 161         | 5805 MHz  |
|                                                                                                                                                  | 155         | 5775 MHz  | 165         | 5825 MHz  |
| For 20 MHz Bandwidth, use channel 149, 153, 157, 161, 165. For 40 MHz Bandwidth, use channel 151, 159.<br>For 80 MHz Bandwidth, use channel 155. |             |           |             |           |

### 1.3 Block Diagram Showing the Configuration of System Tested

#### Charging + TX Mode



### 1.4 Description of Support Units

| Equipment Information                       |               |              |              |          |
|---------------------------------------------|---------------|--------------|--------------|----------|
| Name                                        | Model         | FCC ID/VOC   | Manufacturer | Used “√” |
| Notebook                                    | ----          | ----         | MI           | √        |
| Cable Information                           |               |              |              |          |
| Number                                      | Shielded Type | Ferrite Core | Length       | Note     |
| ----                                        | ----          | ----         | ----         | ----     |
| Remark: Notebook provided by TOBY test lab. |               |              |              |          |

## 1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

| For Conducted Test                            |                 |                                                  |
|-----------------------------------------------|-----------------|--------------------------------------------------|
| Final Test Mode                               |                 | Description                                      |
| Mode 1                                        |                 | Charging + TX a Mode(5180MHz)                    |
| For Radiated Test Below 1GHz                  |                 |                                                  |
| Final Test Mode                               |                 | Description                                      |
| Mode 2                                        |                 | Charging + TX a Mode(5180MHz)                    |
| For Radiated Above 1GHz and RF Conducted Test |                 |                                                  |
| Test Band                                     | Final Test Mode | Description                                      |
| U-NII-1                                       | Mode 3          | TX Mode 802.11a Mode Channel 36/40/48            |
|                                               | Mode 4          | TX Mode 802.11n(HT20) Mode Channel 36/40/48      |
|                                               | Mode 5          | TX Mode 802.11ac(VHT20) Mode Channel 36/40/48    |
|                                               | Mode 6          | TX Mode 802.11n(HT40) Mode Channel 38/46         |
|                                               | Mode 7          | TX Mode 802.11ac(VHT40) Mode Channel 38/46       |
|                                               | Mode 8          | TX Mode 802.11ac(VHT80) Mode Channel 42          |
| U-NII-3                                       | Mode 9          | TX Mode 802.11a Mode Channel 149/157/165         |
|                                               | Mode 10         | TX Mode 802.11n(HT20) Mode Channel 149/157/165   |
|                                               | Mode 11         | TX Mode 802.11ac(vHT20) Mode Channel 149/157/165 |
|                                               | Mode 12         | TX Mode 802.11n(HT40) Mode Channel 151/159       |
|                                               | Mode 13         | TX Mode 802.11ac(VHT40) Mode Channel 151/159     |
|                                               | Mode 14         | TX Mode 802.11ac(VHT80) Mode Channel 155         |

### Note:

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11a Mode: OFDM (6 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

## 1.6 Description of Test Software Setting

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

| Test Software: 8788-LaunchEngMode |                 |            |
|-----------------------------------|-----------------|------------|
| U-NII-1                           |                 |            |
| Mode                              | Frequency (MHz) | Parameters |
| 802.11a                           | 5180            | 17         |
|                                   | 5200            | 17         |
|                                   | 5240            | 17         |
| 802.11n(HT20)                     | 5180            | 17         |
|                                   | 5200            | 17         |
|                                   | 5240            | 17         |
| 802.11ac(VHT20)                   | 5180            | 17         |
|                                   | 5200            | 17         |
|                                   | 5240            | 17         |
| 802.11n(HT40)                     | 5190            | 17         |
|                                   | 5230            | 17         |
| 802.11ac(VHT40)                   | 5190            | 17         |
|                                   | 5230            | 17         |
| 802.11ac(VHT80)                   | 5210            | 17         |
| U-NII-3                           |                 |            |
| Mode                              | Frequency (MHz) | Parameters |
| 802.11a                           | 5745            | 17         |
|                                   | 5785            | 17         |
|                                   | 5825            | 17         |
| 802.11n(HT20)                     | 5745            | 17         |
|                                   | 5785            | 17         |
|                                   | 5825            | 17         |
| 802.11ac(VHT20)                   | 5745            | 17         |
|                                   | 5785            | 17         |
|                                   | 5825            | 17         |
| 802.11n(HT40)                     | 5755            | 17         |
|                                   | 5795            | 17         |
| 802.11ac(VHT40)                   | 5755            | 17         |
|                                   | 5795            | 17         |
| 802.11ac(VHT80)                   | 5775            | 17         |

## 1.7 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

| Test Item          | Parameters                                        | Expanded Uncertainty ( $U_{Lab}$ ) |
|--------------------|---------------------------------------------------|------------------------------------|
| Conducted Emission | Level Accuracy:<br>9kHz~150kHz<br>150kHz to 30MHz | $\pm 3.50$ dB<br>$\pm 3.10$ dB     |
| Radiated Emission  | Level Accuracy:<br>9kHz to 30 MHz                 | $\pm 4.60$ dB                      |
| Radiated Emission  | Level Accuracy:<br>30MHz to 1000 MHz              | $\pm 4.50$ dB                      |
| Radiated Emission  | Level Accuracy:<br>Above 1000MHz                  | $\pm 4.20$ dB                      |

## 1.8 Test Facility

The testing was performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at:1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China.

At the time of testing, the following bodies accredited the Laboratory:

### **CNAS (L5813)**

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

### **A2LA Certificate No.: 4750.01**

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351.Designation Number:CN1223

### **IC Registration No.: (11950A)**

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A.

## 2. Test Summary

| FCC Part 15 Subpart E(15.407)                                                                         |                                        |                                          |          |        |
|-------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------|----------|--------|
| Standard Section                                                                                      | Test Item                              | Test Sample(s)                           | Judgment | Remark |
| FCC                                                                                                   |                                        |                                          |          |        |
| 15.203                                                                                                | Antenna Requirement                    | 20211223-01_03-02#                       | PASS     | N/A    |
| FCC 15.207(a)                                                                                         | Conducted Emission                     | 20211223-01_03-01#                       | PASS     | N/A    |
| FCC 15.407(b)& 15.205                                                                                 | Emissions in Restricted Bands          | 20211223-01_03-02#                       | PASS     | N/A    |
| 15.407(a)                                                                                             | 26dB Bandwidth                         | 20211223-01_03-02#                       | PASS     | N/A    |
| 15.407(e)                                                                                             | 6dB Bandwidth                          | 20211223-01_03-02#                       | PASS     | N/A    |
| 15.407(a)                                                                                             | Maximum Conducted Output Power         | 20211223-01_03-02#                       | PASS     | N/A    |
| 15.407(a)                                                                                             | Power Spectral Density                 | 20211223-01_03-02#                       | PASS     | N/A    |
| 15.209<br>15.407(b)                                                                                   | Transmitter Radiated Spurious Emission | 20211223-01_03-01#<br>20211223-01_03-02# | PASS     | N/A    |
| 15.407(g)                                                                                             | Frequency Stability                    | 20211223-01_03-02#                       | PASS     | N/A    |
| /                                                                                                     | On Time and Duty Cycle                 | 20211223-01_03-02#                       | PASS     | N/A    |
| <b>Note:</b> “/” for no requirement for this test item.<br>N/A is an abbreviation for Not Applicable. |                                        |                                          |          |        |

## 3. Test Software

| Test Item                    | Test Software | Manufacturer | Version No. |
|------------------------------|---------------|--------------|-------------|
| Conducted Emission           | MTS-8310      | EZ           | V2.0.0.0    |
| Radiation Emission           | EZ-EMC        | EZ           | FA-03A2RE   |
| RF Conducted Measurement     | JS1120-3      | Tonsced      | 2.6.88.0341 |
| 2/3/4G Conducted Measurement | JS1120        | Tonsced      | 2.6.9.0526  |

## 4. Test Equipment

| Conducted Emission Test          |                                  |             |             |               |               |
|----------------------------------|----------------------------------|-------------|-------------|---------------|---------------|
| Equipment                        | Manufacturer                     | Model No.   | Serial No.  | Last Cal.     | Cal. Due Date |
| EMI Test Receiver                | Rohde & Schwarz                  | ESCI        | 100321      | Jul. 05, 2021 | Jul. 04, 2022 |
| RF Switching Unit                | Compliance Direction Systems Inc | RSU-A4      | 34403       | Jul. 05, 2021 | Jul. 04, 2022 |
| AMN                              | SCHWARZBECK                      | NNBL 8226-2 | 8226-2/164  | Jul. 05, 2021 | Jul. 04, 2022 |
| LISN                             | Rohde & Schwarz                  | ENV216      | 101131      | Jul. 05, 2021 | Jul. 04, 2022 |
| Radiation Emission Test (A Site) |                                  |             |             |               |               |
| Equipment                        | Manufacturer                     | Model No.   | Serial No.  | Last Cal.     | Cal. Due Date |
| Spectrum Analyzer                | Rohde & Schwarz                  | FSV40-N     | 102197      | Jul. 02, 2021 | Jul. 01, 2022 |
| EMI Test Receiver                | Rohde & Schwarz                  | ESPI        | 100010/007  | Jul. 02, 2021 | Jul. 01, 2022 |
| Bilog Antenna                    | ETS-LINDGREN                     | 3142E       | 00117537    | Mar. 01, 2020 | Feb.28, 2022  |
| Horn Antenna                     | ETS-LINDGREN                     | 3117        | 00143207    | Mar. 01, 2020 | Feb.28, 2022  |
| Horn Antenna                     | SCHWARZBECK                      | BBHA 9170   | 1118        | May. 20, 2021 | May. 19, 2022 |
| Loop Antenna                     | SCHWARZBECK                      | FMZB 1519 B | 1519B-059   | Jul. 06, 2021 | Jul. 05, 2022 |
| Pre-amplifier                    | SONOMA                           | 310N        | 185903      | Feb. 25, 2021 | Feb.24, 2022  |
| Pre-amplifier                    | HP                               | 8449B       | 3008A00849  | Feb. 25, 2021 | Feb.24, 2022  |
| HF Amplifier                     | Tonscend                         | TAP0184050  | AP21C806129 | Sep. 03, 2021 | Sep. 02, 2022 |
| Radiation Emission Test (B Site) |                                  |             |             |               |               |
| Equipment                        | Manufacturer                     | Model No.   | Serial No.  | Last Cal.     | Cal. Due Date |
| Spectrum Analyzer                | KEYSIGT                          | N9020B      | MY60110172  | Sep. 03, 2021 | Sep. 02, 2022 |
| Spectrum Analyzer                | Rohde & Schwarz                  | FSV40-N     | 102197      | Jul. 02, 2021 | Jul. 01, 2022 |
| Bilog Antenna                    | SCHWARZBECK                      | VULB 9168   | 1225        | Dec. 05, 2021 | Dec. 04, 2023 |
| Horn Antenna                     | SCHWARZBECK                      | BBHA 9120 D | 2463        | May 20, 2021  | May 19, 2022  |
| Horn Antenna                     | SCHWARZBECK                      | BBHA 9170   | 1118        | May 20, 2021  | May 19, 2022  |
| Loop Antenna                     | SCHWARZBECK                      | FMZB 1519 B | 1519B-059   | Jul. 06, 2021 | Jul. 05, 2022 |
| HF Amplifier                     | Tonscend                         | TAP9E6343   | AP21C806117 | Sep. 03, 2021 | Sep. 02, 2022 |
| HF Amplifier                     | Tonscend                         | TAP051845   | AP21C806141 | Sep. 03, 2021 | Sep. 02, 2022 |
| HF Amplifier                     | Tonscend                         | TAP0184050  | AP21C806129 | Sep. 03, 2021 | Sep. 02, 2022 |
| Antenna Conducted Emission       |                                  |             |             |               |               |
| Equipment                        | Manufacturer                     | Model No.   | Serial No.  | Last Cal.     | Cal. Due Date |
| Spectrum Analyzer                | Agilent                          | E4407B      | MY45106456  | Jul. 02, 2021 | Jul. 01, 2022 |
| Spectrum Analyzer                | Rohde & Schwarz                  | FSV40-N     | 102197      | Jul. 02, 2021 | Jul. 01, 2022 |
| MXA Signal Analyzer              | Agilent                          | N9020A      | MY49100060  | Sep. 03, 2021 | Sep. 02, 2022 |
| MXA Signal Analyzer              | Agilent                          | N9020A      | MY47380425  | Sep. 03, 2021 | Sep. 02, 2022 |
| Vector Signal Generator          | Agilent                          | N5182A      | MY50141294  | Sep. 03, 2021 | Sep. 02, 2022 |

|                                         |                    |                       |               |               |               |
|-----------------------------------------|--------------------|-----------------------|---------------|---------------|---------------|
| Analog Signal Generator                 | Agilent            | N5181A                | MY50141953    | Sep. 03, 2021 | Sep. 02, 2022 |
| Vector Signal Generator                 | Agilent            | 5182B                 | MY59101429    | Sep. 03, 2021 | Sep. 02, 2022 |
| Analog Signal Generator                 | Agilent            | 5181A                 | MY48180463    | Sep. 03, 2021 | Sep. 02, 2022 |
| RF Power Sensor                         | DARE!! Instruments | RadiPowerRPR30<br>06W | 17I00015SNO26 | Sep. 03, 2021 | Sep. 02, 2022 |
|                                         | DARE!! Instruments | RadiPowerRPR30<br>06W | 17I00015SNO29 | Sep. 03, 2021 | Sep. 02, 2022 |
|                                         | DARE!! Instruments | RadiPowerRPR30<br>06W | 17I00015SNO31 | Sep. 03, 2021 | Sep. 02, 2022 |
|                                         | DARE!! Instruments | RadiPowerRPR30<br>06W | 17I00015SNO33 | Sep. 03, 2021 | Sep. 02, 2022 |
| RF Control Unit                         | Tonsced            | JS0806-1              | 21C8060380    | N/A           | N/A           |
| RF Control Unit                         | Tonsced            | JS0806-2              | 21F8060439    | Sep. 03, 2021 | Sep. 02, 2022 |
| Band Reject Filter Group                | Tonsced            | JS0806-F              | 21D8060414    | Jul. 02, 2021 | Jul. 01, 2022 |
| Power Control Box                       | Tonsced            | JS0806-4ADC           | 21C8060387    | N/A           | N/A           |
| Wideband Radio<br>Communication Tester  | Rohde & Schwarz    | CMW500                | 144382        | Sep. 03, 2021 | Sep. 02, 2022 |
| Universal Radio<br>Communication Tester | Rohde&Schwarz      | CMU200                | 103903        | Jul. 02, 2021 | Jul. 01, 2022 |

## 5. Conducted Emission Test

### 5.1 Test Standard and Limit

5.1.1 Test Standard  
FCC Part 15.207(a)

5.1.2 Test Limit

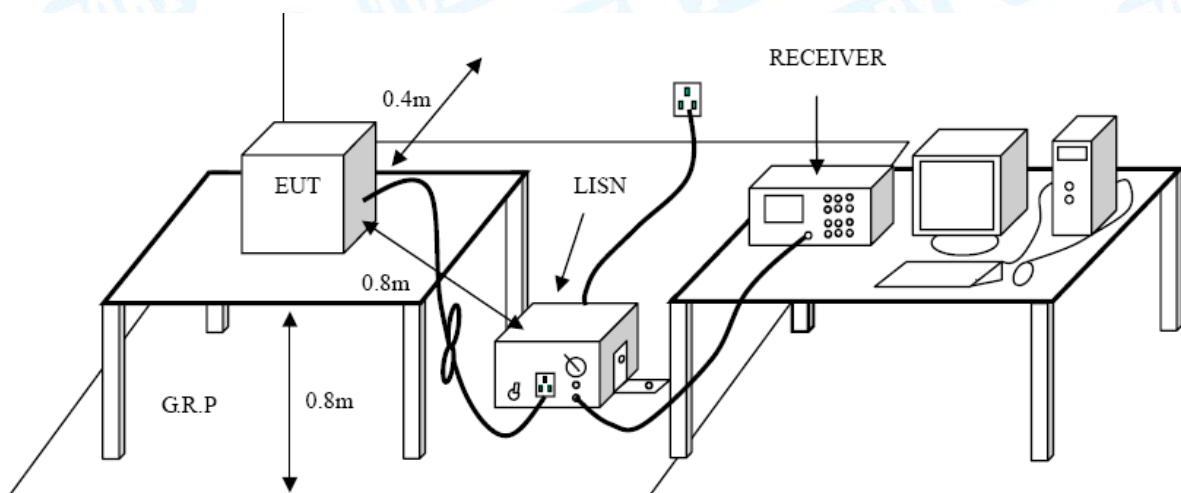
**Conducted Emission Test Limit**

| Frequency     | Maximum RF Line Voltage (dB $\mu$ V) |               |
|---------------|--------------------------------------|---------------|
|               | Quasi-peak Level                     | Average Level |
| 150kHz~500kHz | 66 ~ 56 *                            | 56 ~ 46 *     |
| 500kHz~5MHz   | 56                                   | 46            |
| 5MHz~30MHz    | 60                                   | 50            |

Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 5.2 Test Setup



### 5.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

### 5.4 Deviation From Test Standard

No deviation

### 5.5 EUT Operating Mode

Please refer to the description of test mode.

### 5.6 Test Data

Please refer to the Attachment A.

## 6. Radiated Emission Test

### 6.1 Test Standard and Limit

6.1.1 Test Standard  
FCC Part 15.209

6.1.2 Test Limit

**Radiated Emission Limits (9kHz~1000MHz)**

| Frequency (MHz) | Field Strength (microvolt/meter) | Measurement Distance (meters) |
|-----------------|----------------------------------|-------------------------------|
| 0.009~0.490     | 2400/F(KHz)                      | 300                           |
| 0.490~1.705     | 24000/F(KHz)                     | 30                            |
| 1.705~30.0      | 30                               | 30                            |
| 30~88           | 100                              | 3                             |
| 88~216          | 150                              | 3                             |
| 216~960         | 200                              | 3                             |
| Above 960       | 500                              | 3                             |

**Radiated Emission Limit (Above 1000MHz)**

| Frequency (MHz) | Distance of 3m (dBuV/m) |         |
|-----------------|-------------------------|---------|
|                 | Peak                    | Average |
| Above 1000      | 74                      | 54      |

**Note:**

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

Limits of unwanted emission out of the restricted bands

| Frequency (MHz) | EIRP Limits (dBm) | Equivalent Field Strength at 3m (dBuV/m) |
|-----------------|-------------------|------------------------------------------|
| 5150~5250       | -27               | 68.3                                     |
| 5250~5350       | -27               | 68.3                                     |
| 5470~5725       | -27               | 68.3                                     |
| 5725~5825       | -27(Note 2)       | 68.3                                     |
|                 | 10(Note 2)        | 105.3                                    |
|                 | 15.6(Note 2)      | 110.9                                    |
|                 | 27(Note 2)        | 122.3                                    |

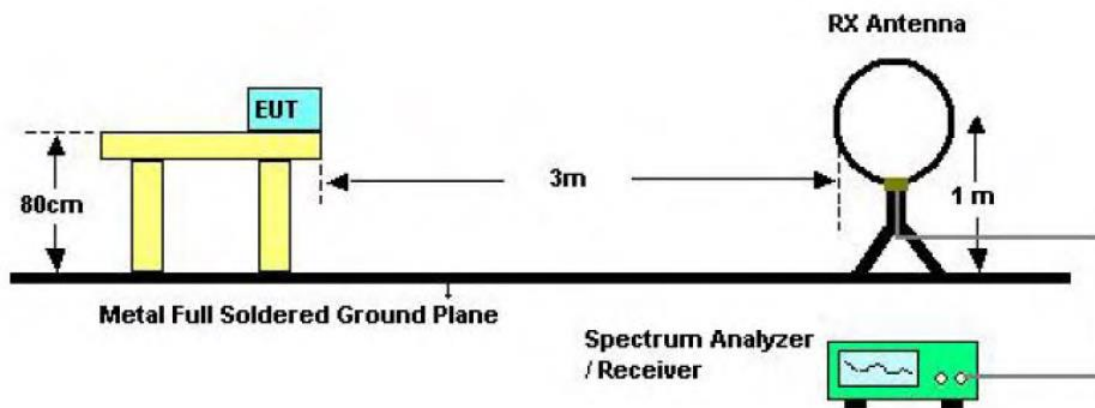
NOTE:

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

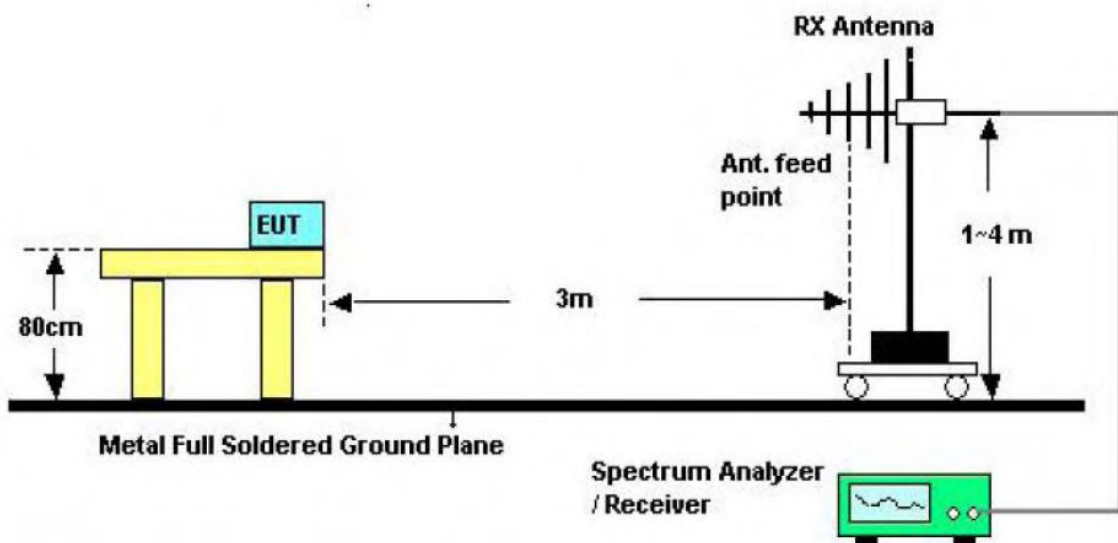
$$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where P is the eirp (Watts)}$$

2, According to FCC 16-24, 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 25MHz 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 27dBm/MHz at the band edge.

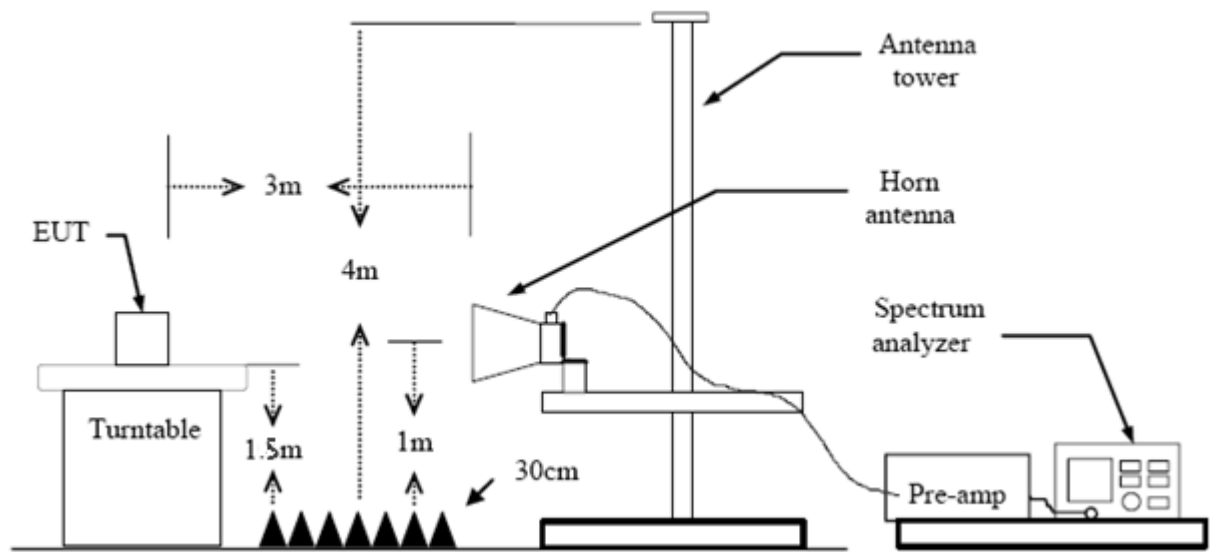
## 6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

### 6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical Antenna Ore set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

#### 6.4 Deviation From Test Standard

No deviation

#### 6.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 6.6 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.  
Please refer to the Attachment B.

## 7. Restricted Band Edge Emissions

### 7.1 Test Standard and Limit

#### 7.1.1 Test Standard

FCC Part 15.407(b)

#### 7.1.2 Test Limit

Limits of unwanted emission out of the restricted bands

| Frequency (MHz) | EIRP Limits (dBm) | Equivalent Field Strength at 3m (dBuV/m) |
|-----------------|-------------------|------------------------------------------|
| 5150~5250       | -27               | 68.3                                     |
| 5250~5350       | -27               | 68.3                                     |
| 5470~5725       | -27               | 68.3                                     |
| 5725~5825       | -27(Note 2)       | 68.3                                     |
|                 | 10(Note 2)        | 105.3                                    |
|                 | 15.6(Note 2)      | 110.9                                    |
|                 | 27(Note 2)        | 122.3                                    |

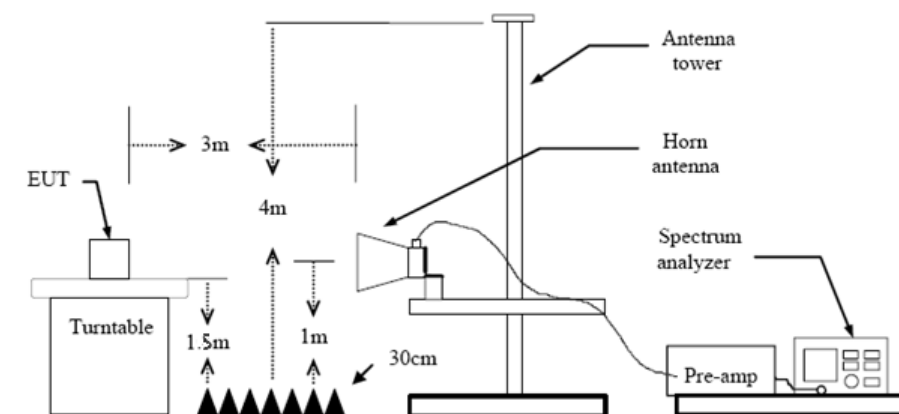
NOTE:

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

$$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where P is the eirp (Watts)}$$

2, According to FCC 16-24, 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.

### 7.2 Test Setup



## 7.3 Test Procedure

### ---Radiated measurement

- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- The Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.

### --- Conducted measurement

- a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).
- c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies  $\leq 30$  MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies  $> 1000$  MHz).
- d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).
- e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:  
$$E = \text{EIRP} - 20 \log d + 104.8$$
where  
E is the electric field strength in dBuV/m  
EIRP is the equivalent isotropically radiated power in dBm  
d is the specified measurement distance in m
- f) Compare the resultant electric field strength level with the applicable regulatory limit.
- g) Perform the radiated spurious emission test.

#### 7.4 Deviation From Test Standard

No deviation

#### 7.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 7.6 Test Data

Please refer to the Appendix C.

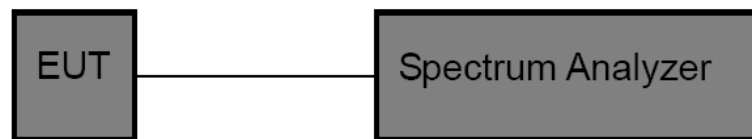
## 8. Bandwidth Test

### 8.1 Test Standard and Limit

- 8.1.1 Test Standard  
FCC Part 15.407
- 8.1.2 Test Limit

| FCC Part 15 Subpart C(15.407) |         |                       |
|-------------------------------|---------|-----------------------|
| Test Item                     | Limit   | Frequency Range (MHz) |
| 26 Bandwidth                  | N/A     | 5150~5250             |
|                               |         | 5250~5350             |
|                               |         | 5500~5700             |
| 6 dB Bandwidth                | >500kHz | 5725~5850             |

### 8.2 Test Setup



### 8.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The setting of the spectrum analyser as below:

| 26dB Bandwidth Test |                                            |
|---------------------|--------------------------------------------|
| Spectrum Parameters | Setting                                    |
| Attenuation         | Auto                                       |
| Span                | >26 dB Bandwidth                           |
| RBW                 | Approximately 1% of the emission bandwidth |
| VBW                 | VBW>RBW                                    |
| Detector            | Peak                                       |
| Trace               | Max Hold                                   |
| Sweep Time          | Auto                                       |

| 6dB Bandwidth Test          |                     |
|-----------------------------|---------------------|
| Spectrum Parameters         | Setting             |
| Attenuation                 | Auto                |
| Span                        | >6 dB Bandwidth     |
| RBW                         | 100 kHz             |
| VBW                         | VBW>=3*RBW          |
| Detector                    | Peak                |
| Trace                       | Max Hold            |
| Sweep Time                  | Auto                |
| 99% Occupied Bandwidth Test |                     |
| Spectrum Parameters         | Setting             |
| Attenuation                 | Auto                |
| RBW                         | 1% to 5% of the OBW |
| VBW                         | ≥ 3RBW              |
| Detector                    | Peak                |
| Trace                       | Max Hold            |

#### 8.4 Deviation From Test Standard

No deviation

#### 8.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

#### 8.6 Test Data

Please refer to the Appendix C.

## 9. Maximum Conducted Output Power

### 9.1 Test Standard and Limit

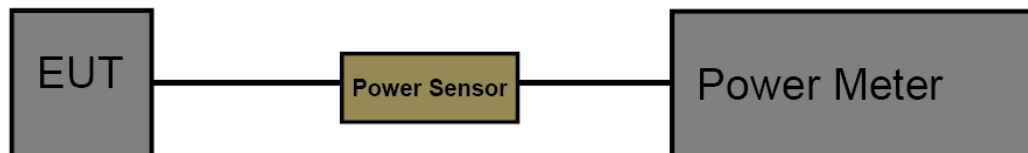
#### 9.1.1 Test Standard

FCC Part 15.407 (a)

#### 9.1.2 Test Limit

| FCC Part 15 Subpart E(15.407) |                                                                |                      |
|-------------------------------|----------------------------------------------------------------|----------------------|
| Test Item                     | Limit                                                          | Frequency Range(MHz) |
| Conducted Output Power        | Fixed: 1 Watt (30dBm)<br>Mobile and Portable:<br>250mW (24dBm) | 5150~5250            |
|                               | 250mW (24dBm)                                                  | 5250~5350            |
|                               | 250mW (24dBm)                                                  | 5500~5700            |
|                               | 1 Watt (30dBm)                                                 | 5725~5850            |

### 9.2 Test Setup



### 9.3 Test Procedure

The measurement is according to section 3 of KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

The EUT was connected to RF power meter via a broadband power sensor as show the block above.

### 9.4 Deviation From Test Standard

No deviation

### 9.5 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

### 9.6 Test Date

Please refer to the Appendix C.

## 10. Power Spectral Density Test

### 10.1 Test Standard and Limit

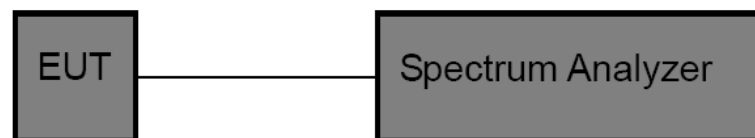
#### 10.1.1 Test Standard

FCC Part 15.407 (a)

#### 10.1.2 Test Limit

| FCC Part 15 Subpart E(15.407) |                                                                               |                      |
|-------------------------------|-------------------------------------------------------------------------------|----------------------|
| Test Item                     | Limit                                                                         | Frequency Range(MHz) |
| Power Spectral Density        | Other than Mobile and Portable : 17dBm/MHz<br>Mobile and Portable : 11dBm/MHz | 5150~5250            |
|                               | 11dBm/MHz                                                                     | 5250~5350            |
|                               | 11dBm/MHz                                                                     | 5500~5700            |
|                               | 30dBm/500kHz                                                                  | 5725~5850            |

### 9.2 Test Setup



### 10.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW)(alternatively, the entire 99% OBW) of the signal.
- (4) Set the RBW to: 1 MHz
- (5) Set the VBW to: 3 MHz
- (6) Detector: RMS
- (7) Trace: Max Hold
- (7) Sweep time: auto
- (8) Trace average at least 100 traces in power averaging.

- (9) User the peak marker function to determine the maximum amplitude level within the RBW.  
Apply correction to the result if different RBW is used.

#### 10.4 Deviation From Test Standard

No deviation

#### 10.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

#### 10.6 Test Data

Please refer to the Appendix C.

## 11. Frequency Stability Measurement

### 11.1 Test Standard and Limit

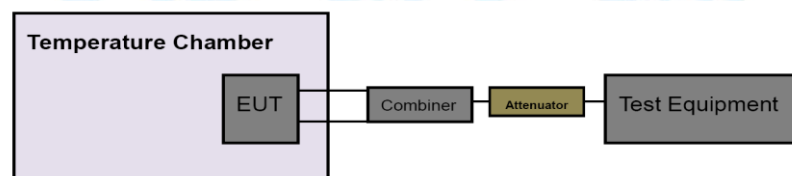
#### 11.1.1 Test Standard

FCC Part 15.407(g)

#### 11.1.2 Test Limit

| FCC Part 15 Subpart C(15.407)   |                                                                                                                                                                                                                            |                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Test Item                       | Limit                                                                                                                                                                                                                      | Frequency Range(MHz) |
| Frequency Stability Measurement | 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 | 5150~5250            |
|                                 |                                                                                                                                                                                                                            | 5250~5350            |
|                                 |                                                                                                                                                                                                                            | 5500~5700            |
|                                 |                                                                                                                                                                                                                            | 5725~5850            |

### 11.2 Test Setup



### 11.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) of the signal.
- (4) Set the RBW to: 10 kHz, VBW=10 kHz with peak detector and maxhold settings.
- (5) The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- (6) Extreme temperature is 0°C~50°C

### 11.4 Deviation From Test Standard

No deviation

### 11.5 EUT Operating Condition

The EUT was set to continuously transmitting in continuously un-modulation transmitting mode.

### 11.6 Test Data

Please refer to the Appendix C.

## 12. Antenna Requirement

### 12.1 Standard Requirement

#### 12.1.1 Standard

FCC Part 15.203

#### 12.1.2 Requirement

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 shall be considered sufficient to comply with the provisions of this Section. 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.

### 12.2 Antenna Connected Construction

The gains of the antenna used for transmitting is 2dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

### 12.3 Deviation From Test Standard

No deviation

### 12.4 Result

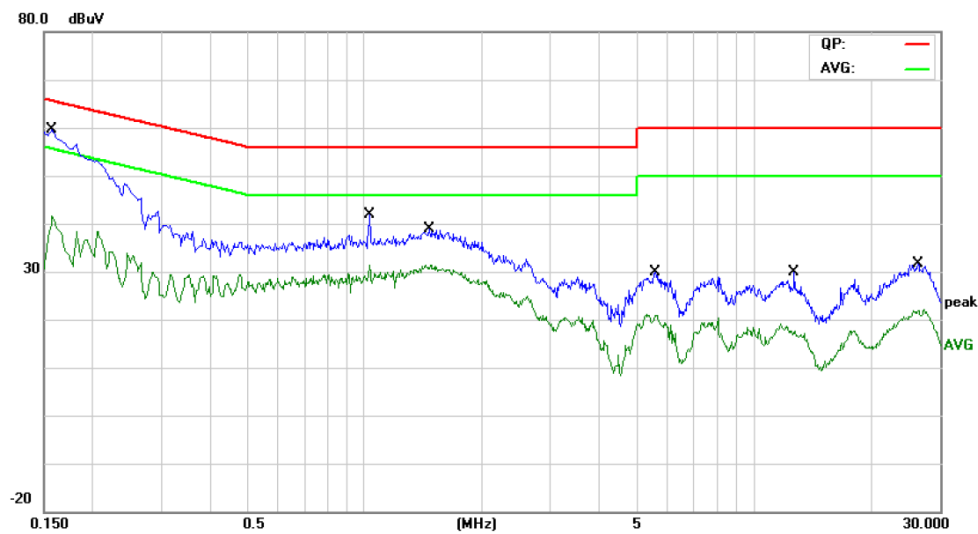
The EUT antennas are Metal Antenna. It complies with the standard requirement.

| Antenna Type                                                   |
|----------------------------------------------------------------|
| <input checked="" type="checkbox"/> Permanent attached antenna |
| <input type="checkbox"/> Unique connector antenna              |
| <input type="checkbox"/> Professional installation antenna     |

## Attachment A-- Conducted Emission Test Data

Remark: All channels have been tested and Shows only the worst channels.

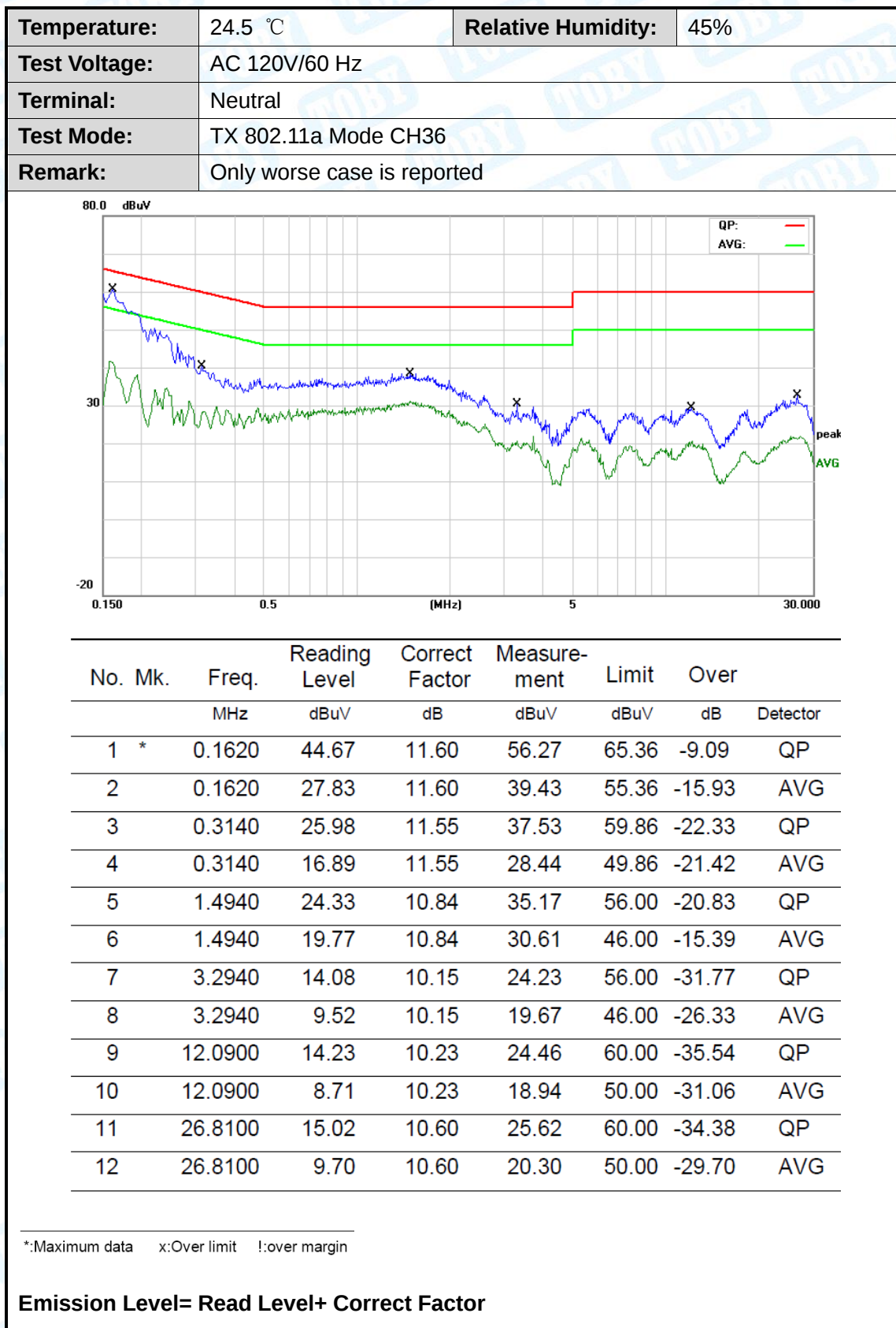
|                      |                              |                           |     |
|----------------------|------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 24.5 °C                      | <b>Relative Humidity:</b> | 45% |
| <b>Test Voltage:</b> | AC 120V/60 Hz                |                           |     |
| <b>Terminal:</b>     | Line                         |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode CH36         |                           |     |
| <b>Remark:</b>       | Only worse case is reported. |                           |     |



| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Over   |          |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|
|     |     | MHz     | dBμV          | dB             | dBμV        | dBμV  | dB     | Detector |
| 1   | *   | 0.1580  | 45.22         | 11.63          | 56.85       | 65.56 | -8.71  | QP       |
| 2   |     | 0.1580  | 27.40         | 11.63          | 39.03       | 55.56 | -16.53 | AVG      |
| 3   |     | 1.0300  | 22.65         | 11.17          | 33.82       | 56.00 | -22.18 | QP       |
| 4   |     | 1.0300  | 17.61         | 11.17          | 28.78       | 46.00 | -17.22 | AVG      |
| 5   |     | 1.4660  | 24.14         | 10.90          | 35.04       | 56.00 | -20.96 | QP       |
| 6   |     | 1.4660  | 19.56         | 10.90          | 30.46       | 46.00 | -15.54 | AVG      |
| 7   |     | 5.5700  | 13.84         | 10.09          | 23.93       | 60.00 | -36.07 | QP       |
| 8   |     | 5.5700  | 8.52          | 10.09          | 18.61       | 50.00 | -31.39 | AVG      |
| 9   |     | 12.7140 | 10.37         | 10.34          | 20.71       | 60.00 | -39.29 | QP       |
| 10  |     | 12.7140 | 4.85          | 10.34          | 15.19       | 50.00 | -34.81 | AVG      |
| 11  |     | 26.4100 | 14.94         | 10.62          | 25.56       | 60.00 | -34.44 | QP       |
| 12  |     | 26.4100 | 9.53          | 10.62          | 20.15       | 50.00 | -29.85 | AVG      |

\*:Maximum data    x:Over limit    !:over margin

**Emission Level= Read Level+ Correct Factor**



## Attachment B-- Radiated Emission Test Data

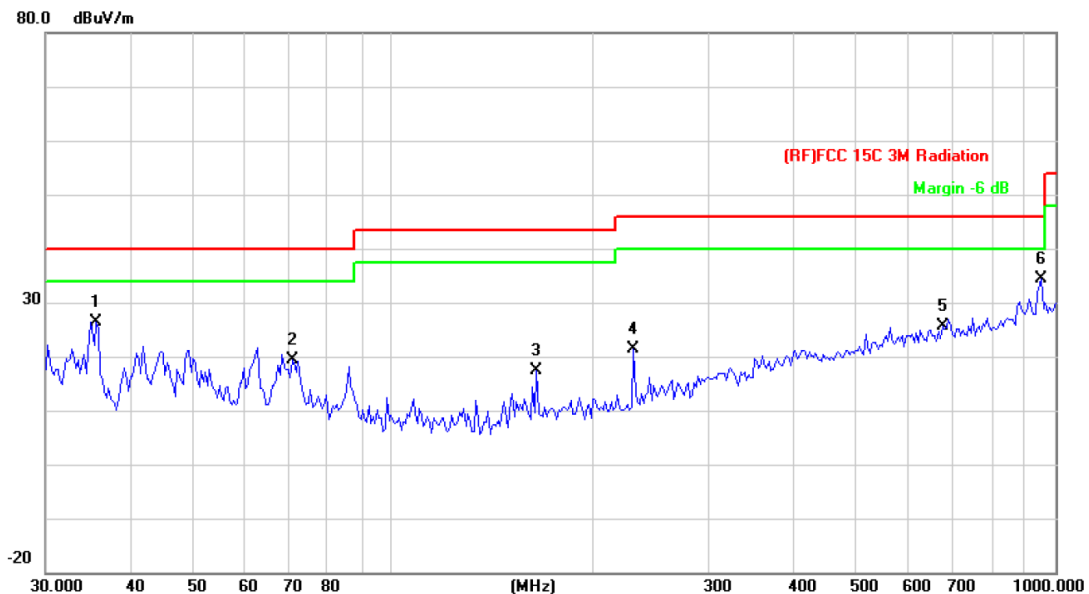
### 9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 30MHz~1GHz

|               |                                   |                    |     |
|---------------|-----------------------------------|--------------------|-----|
| Temperature:  | 23.5 °C                           | Relative Humidity: | 46% |
| Test Voltage: | AC 120V/60Hz                      |                    |     |
| Ant. Pol.     | Horizontal                        |                    |     |
| Test Mode:    | TX 802.11a Mode 5180MHz (U-NII-1) |                    |     |
| Remark:       | Only worse case is reported       |                    |     |

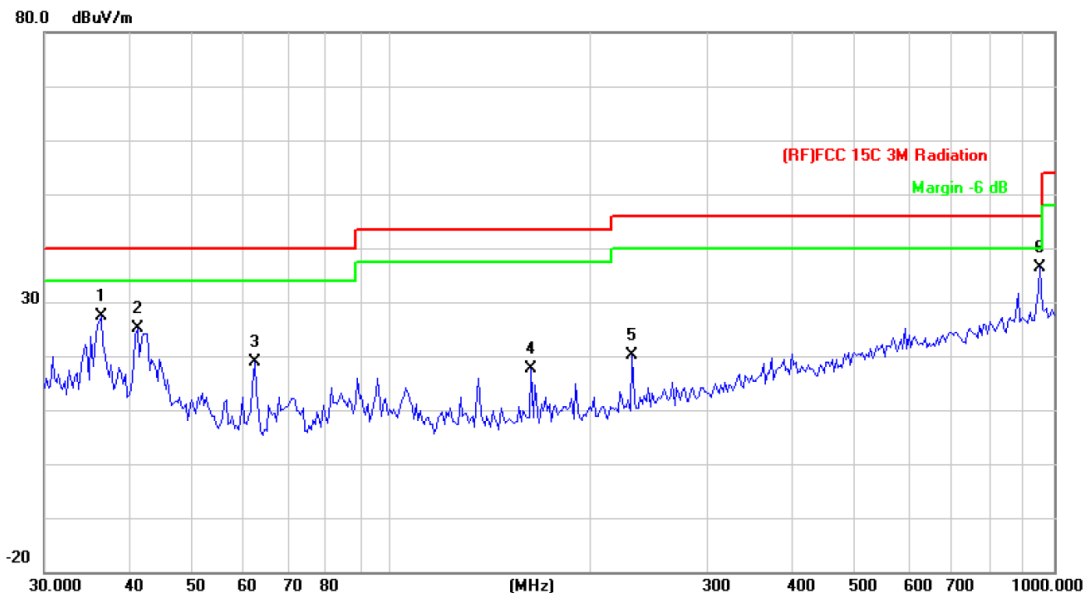


| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m       | dBuV/m | dB     | Detector |
| 1   |     | 35.7490  | 43.98         | -17.48         | 26.50        | 40.00  | -13.50 | peak     |
| 2   |     | 70.5835  | 43.14         | -23.64         | 19.50        | 40.00  | -20.50 | peak     |
| 3   |     | 164.9072 | 38.14         | -20.84         | 17.30        | 43.50  | -26.20 | peak     |
| 4   |     | 230.9067 | 39.86         | -18.36         | 21.50        | 46.00  | -24.50 | peak     |
| 5   |     | 675.2078 | 33.08         | -7.39          | 25.69        | 46.00  | -20.31 | peak     |
| 6   | *   | 952.0937 | 37.30         | -3.02          | 34.28        | 46.00  | -11.72 | peak     |

\*:Maximum data    x:Over limit    !:over margin

Emission Level= Read Level+ Correct Factor

|               |                                   |                    |     |
|---------------|-----------------------------------|--------------------|-----|
| Temperature:  | 23.5 °C                           | Relative Humidity: | 46% |
| Test Voltage: | AC 120V/60Hz                      |                    |     |
| Ant. Pol.     | Vertical                          |                    |     |
| Test Mode:    | TX 802.11a Mode 5180MHz (U-NII-1) |                    |     |
| Remark:       | Only worse case is reported.      |                    |     |



| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |
|-----|-----|----------|---------------|----------------|--------------|--------|--------|----------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m       | dBuV/m | dB     | Detector |
| 1   |     | 36.5092  | 45.21         | -17.83         | 27.38        | 40.00  | -12.62 | peak     |
| 2   |     | 41.4215  | 45.23         | -20.16         | 25.07        | 40.00  | -14.93 | peak     |
| 3   |     | 62.2128  | 43.37         | -24.41         | 18.96        | 40.00  | -21.04 | peak     |
| 4   |     | 162.6106 | 38.60         | -20.92         | 17.68        | 43.50  | -25.82 | peak     |
| 5   |     | 230.9068 | 38.44         | -18.36         | 20.08        | 46.00  | -25.92 | peak     |
| 6   | *   | 952.0937 | 39.43         | -3.02          | 36.41        | 46.00  | -9.59  | peak     |

\*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

**5180MHz-5240MHz(U-NII-1)**

|                      |                                                                                                           |                           |     |
|----------------------|-----------------------------------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26℃                                                                                                       | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                                                     |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                                                                                |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5180MHz (U-NII-1)                                                                         |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10360.225       | 45.33          | 6.24          | 51.57          | 68.30          | -16.73      | peak     |
| 2 * | 10360.240       | 32.32          | 6.24          | 38.56          | 54.00          | -15.44      | AVG      |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                                                           |                           |     |
|----------------------|-----------------------------------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26℃                                                                                                       | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                                                     |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                                                                                  |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5180MHz (U-NII-1)                                                                         |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10359.717       | 32.55          | 6.03          | 38.58          | 54.00          | -15.42      | AVG      |
| 2   | 10360.289       | 46.49          | 6.04          | 52.53          | 68.30          | -15.77      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                                                   |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5200MHz (U-NII-1)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10400.840       | 31.91          | 6.47          | 38.38          | 54.00          | -15.62      | AVG      |
| 2   | 10401.220       | 45.38          | 6.47          | 51.85          | 68.30          | -16.45      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                                                     |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5200MHz (U-NII-1)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10399.200       | 32.15          | 6.29          | 38.44          | 54.00          | -15.56      | AVG      |
| 2   | 10401.230       | 44.92          | 6.29          | 51.21          | 68.30          | -17.09      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                                                   |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5240MHz (U-NII-1)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10479.090       | 33.39          | 5.89          | 39.28          | 54.00          | -14.72      | AVG      |
| 2   | 10480.600       | 40.55          | 5.88          | 46.43          | 68.30          | -21.87      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                                                     |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5240MHz (U-NII-1)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10480.615       | 33.00          | 6.25          | 39.25          | 54.00          | -14.75      | AVG      |
| 2   | 10480.705       | 46.00          | 6.25          | 52.25          | 68.30          | -16.05      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                                                                                           |                    |     |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                                                                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                                                                                     |                    |     |
| Ant. Pol.     | Horizontal                                                                                                |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5180MHz (U-NII-1)                                                                   |                    |     |
| Remark:       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10359.611       | 32.18          | 6.24          | 38.42          | 54.00          | -15.58      | AVG      |
| 2   | 10360.400       | 44.83          | 6.25          | 51.08          | 68.30          | -17.22      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                                                                                           |                    |     |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                                                                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                                                                                     |                    |     |
| Ant. Pol.     | Vertical                                                                                                  |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5180MHz (U-NII-1)                                                                   |                    |     |
| Remark:       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10359.919       | 32.59          | 6.03          | 38.62          | 54.00          | -15.38      | AVG      |
| 2   | 10360.429       | 45.29          | 6.04          | 51.33          | 68.30          | -16.97      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                                                           |                           |     |
|----------------------|-----------------------------------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                                                      | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                                                     |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                                                                                |                           |     |
| <b>Test Mode:</b>    | TX 802.11n(HT20) Mode 5200MHz (U-NII-1)                                                                   |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10399.552       | 38.48          | 6.48          | 44.96          | 68.30          | -23.34      | peak     |
| 2 * | 10399.558       | 31.83          | 6.48          | 38.31          | 54.00          | -15.69      | AVG      |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                                                           |                           |     |
|----------------------|-----------------------------------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                                                      | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                                                     |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                                                                                  |                           |     |
| <b>Test Mode:</b>    | TX 802.11n(HT20) Mode 5200MHz (U-NII-1)                                                                   |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10398.105       | 32.13          | 6.28          | 38.41          | 54.00          | -15.59      | AVG      |
| 2   | 10399.275       | 39.32          | 6.29          | 45.61          | 68.30          | -22.69      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                                                                                           |                    |     |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                                                                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                                                                                     |                    |     |
| Ant. Pol.     | Horizontal                                                                                                |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5240MHz (U-NII-1)                                                                   |                    |     |
| Remark:       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10480.005       | 33.26          | 5.88          | 39.14          | 54.00          | -14.86      | AVG      |
| 2   | 10480.163       | 45.97          | 5.88          | 51.85          | 68.30          | -16.45      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                                                                                           |                    |     |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                                                                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                                                                                     |                    |     |
| Ant. Pol.     | Vertical                                                                                                  |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5240MHz (U-NII-1)                                                                   |                    |     |
| Remark:       | No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported. |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10479.180       | 32.94          | 6.25          | 39.19          | 54.00          | -14.81      | AVG      |
| 2   | 10479.470       | 42.36          | 6.25          | 48.61          | 68.30          | -19.69      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10360.097       | 32.27          | 6.24          | 38.51          | 54.00          | -15.49      | AVG      |
| 2   | 10360.287       | 45.47          | 6.24          | 51.71          | 68.30          | -16.59      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10359.610       | 32.32          | 6.03          | 38.35          | 54.00          | -15.65      | AVG      |
| 2   | 10360.402       | 45.11          | 6.04          | 51.15          | 68.30          | -17.15      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10399.674       | 31.78          | 6.48          | 38.26          | 54.00          | -15.74      | AVG      |
| 2   | 10399.708       | 39.35          | 6.48          | 45.83          | 68.30          | -22.47      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10399.816       | 40.79          | 6.29          | 47.08          | 68.30          | -21.22      | peak     |
| 2 * | 10400.043       | 31.97          | 6.29          | 38.26          | 54.00          | -15.74      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                            |                    |     |
|---------------|--------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                        | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                      |                    |     |
| Ant. Pol.     | Horizontal                                 |                    |     |
| Test Mode:    | TX 802.11 ac(VHT20) Mode 5240MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10479.576       | 33.17          | 5.89          | 39.06          | 54.00          | -14.94      | AVG      |
| 2   | 10480.194       | 46.19          | 5.88          | 52.07          | 68.30          | -16.23      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10479.848       | 32.76          | 6.25          | 39.01          | 54.00          | -14.99      | AVG      |
| 2   | 10480.042       | 45.79          | 6.25          | 52.04          | 68.30          | -16.26      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5190MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10380.365       | 32.08          | 6.36          | 38.44          | 54.00          | -15.56      | AVG      |
| 2   | 10380.374       | 45.96          | 6.36          | 52.32          | 68.30          | -15.98      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5190MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10379.275       | 42.57          | 6.15          | 48.72          | 68.30          | -19.58      | peak     |
| 2 * | 10380.980       | 32.27          | 6.17          | 38.44          | 54.00          | -15.56      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5230MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10460.103       | 46.35          | 6.03          | 52.38          | 68.30          | -15.92      | peak     |
| 2 * | 10460.135       | 32.88          | 6.03          | 38.91          | 54.00          | -15.09      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5230MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10459.616       | 40.35          | 6.26          | 46.61          | 68.30          | -21.69      | peak     |
| 2 * | 10460.062       | 32.61          | 6.26          | 38.87          | 54.00          | -15.13      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10379.967       | 40.46          | 6.36          | 46.82          | 68.30          | -21.48      | peak     |
| 2 * | 10380.083       | 32.06          | 6.36          | 38.42          | 54.00          | -15.58      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10379.723       | 32.24          | 6.16          | 38.40          | 54.00          | -15.60      | AVG      |
| 2   | 10380.077       | 45.34          | 6.16          | 51.50          | 68.30          | -16.80      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10459.720       | 32.84          | 6.04          | 38.88          | 54.00          | -15.12      | AVG      |
| 2   | 10459.775       | 41.39          | 6.04          | 47.43          | 68.30          | -20.87      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10459.724       | 32.63          | 6.26          | 38.89          | 54.00          | -15.11      | AVG      |
| 2   | 10460.185       | 45.87          | 6.26          | 52.13          | 68.30          | -16.17      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 10419.612       | 42.30          | 6.34          | 48.64          | 68.30          | -19.66      | peak     |
| 2 * | 10419.933       | 32.33          | 6.34          | 38.67          | 54.00          | -15.33      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 10420.382       | 32.37          | 6.29          | 38.66          | 54.00          | -15.34      | AVG      |
| 2   | 10420.498       | 45.41          | 6.29          | 51.70          | 68.30          | -16.60      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

## 5745MHz-5825MHz(U-NII-3)

|               |                                                                              |                    |     |
|---------------|------------------------------------------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                                                          | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                                                        |                    |     |
| Ant. Pol.     | Horizontal                                                                   |                    |     |
| Test Mode:    | TX 802.11a Mode 5745MHz (U-NII-3)                                            |                    |     |
| Remark:       | No report for the emission which more than 10 dB below the prescribed limit. |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11489.919       | 39.78          | 8.68          | 48.46          | 68.30          | -19.84      | peak     |
| 2 * | 11490.184       | 30.86          | 8.68          | 39.54          | 54.00          | -14.46      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                                                              |                    |     |
|---------------|------------------------------------------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                                                          | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                                                        |                    |     |
| Ant. Pol.     | Vertical                                                                     |                    |     |
| Test Mode:    | TX 802.11a Mode 5745MHz (U-NII-3)                                            |                    |     |
| Remark:       | No report for the emission which more than 10 dB below the prescribed limit. |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11488.235       | 40.13          | 8.65          | 48.78          | 68.30          | -19.52      | peak     |
| 2 * | 11488.820       | 30.88          | 8.65          | 39.53          | 54.00          | -14.47      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                                                   |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5785MHz (U-NII-3)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11569.925       | 31.33          | 8.39          | 39.72          | 54.00          | -14.28      | AVG      |
| 2   | 11570.250       | 44.30          | 8.39          | 52.69          | 68.30          | -15.61      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                                                     |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5785MHz (U-NII-3)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11568.200       | 31.55          | 8.23          | 39.78          | 54.00          | -14.22      | AVG      |
| 2   | 11569.425       | 39.91          | 8.22          | 48.13          | 68.30          | -20.17      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                                                   |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5825MHz (U-NII-3)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |
|-----|-----|-----------|---------------|----------------|--------------|--------|--------|----------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m       | dBuV/m | dB     | Detector |
| 1   | *   | 11649.318 | 26.09         | 18.56          | 44.65        | 54.00  | -9.35  | AVG      |
| 2   |     | 11650.110 | 39.06         | 18.55          | 57.61        | 68.30  | -10.69 | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                                                              |                           |     |
|----------------------|------------------------------------------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                                                         | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                                                        |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                                                     |                           |     |
| <b>Test Mode:</b>    | TX 802.11a Mode 5825MHz (U-NII-3)                                            |                           |     |
| <b>Remark:</b>       | No report for the emission which more than 10 dB below the prescribed limit. |                           |     |

| No. | Mk. | Freq.     | Reading Level | Correct Factor | Measure-ment | Limit  | Over   |          |
|-----|-----|-----------|---------------|----------------|--------------|--------|--------|----------|
|     |     | MHz       | dBuV          | dB/m           | dBuV/m       | dBuV/m | dB     | Detector |
| 1   |     | 11649.650 | 38.66         | 18.56          | 57.22        | 68.30  | -11.08 | peak     |
| 2   | *   | 11650.266 | 26.63         | 18.55          | 45.18        | 54.00  | -8.82  | AVG      |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5745MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11491.826       | 43.27          | 8.66          | 51.93          | 68.30          | -16.37      | peak     |
| 2 * | 11492.286       | 30.82          | 8.66          | 39.48          | 54.00          | -14.52      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5745MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11490.224       | 43.89          | 8.62          | 52.51          | 68.30          | -15.79      | peak     |
| 2 * | 11490.286       | 30.86          | 8.62          | 39.48          | 54.00          | -14.52      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5785MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11569.639       | 31.26          | 8.39          | 39.65          | 54.00          | -14.35      | AVG      |
| 2   | 11569.815       | 42.36          | 8.39          | 50.75          | 68.30          | -17.55      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5785MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11569.660       | 31.45          | 8.22          | 39.67          | 54.00          | -14.33      | AVG      |
| 2   | 11570.249       | 44.29          | 8.22          | 52.51          | 68.30          | -15.79      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5825MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11650.180       | 30.44          | 8.63          | 39.07          | 54.00          | -14.93      | AVG      |
| 2   | 11651.880       | 43.57          | 8.64          | 52.21          | 68.30          | -16.09      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT20) Mode 5825MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11650.255       | 30.89          | 8.16          | 39.05          | 54.00          | -14.95      | AVG      |
| 2   | 11651.370       | 43.43          | 8.16          | 51.59          | 68.30          | -16.71      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11489.723       | 39.67          | 8.69          | 48.36          | 68.30          | -19.94      | peak     |
| 2 * | 11489.973       | 30.69          | 8.68          | 39.37          | 54.00          | -14.63      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11489.692       | 39.56          | 8.64          | 48.20          | 68.30          | -20.10      | peak     |
| 2 * | 11489.754       | 30.73          | 8.64          | 39.37          | 54.00          | -14.63      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11570.215       | 31.24          | 8.39          | 39.63          | 54.00          | -14.37      | AVG      |
| 2   | 11570.484       | 43.77          | 8.39          | 52.16          | 68.30          | -16.14      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11569.506       | 37.86          | 8.22          | 46.08          | 68.30          | -22.22      | peak     |
| 2 * | 11570.129       | 31.40          | 8.22          | 39.62          | 54.00          | -14.38      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11649.528       | 37.60          | 8.62          | 46.22          | 68.30          | -22.08      | peak     |
| 2 * | 11650.313       | 30.38          | 8.63          | 39.01          | 54.00          | -14.99      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                      | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11650.166       | 30.86          | 8.16          | 39.02          | 54.00          | -14.98      | AVG      |
| 2   | 11650.313       | 43.40          | 8.16          | 51.56          | 68.30          | -16.74      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26°C                                    | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5755MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11509.939       | 30.97          | 8.57          | 39.54          | 54.00          | -14.46      | AVG      |
| 2   | 11510.367       | 43.80          | 8.57          | 52.37          | 68.30          | -15.93      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5755MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11509.571       | 39.13          | 8.48          | 47.61          | 68.30          | -20.69      | peak     |
| 2 * | 11510.019       | 31.08          | 8.48          | 39.56          | 54.00          | -14.44      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Horizontal                              |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5795MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11589.569       | 31.09          | 8.33          | 39.42          | 54.00          | -14.58      | AVG      |
| 2   | 11589.629       | 38.49          | 8.33          | 46.82          | 68.30          | -21.48      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                         |                    |     |
|---------------|-----------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                     | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                   |                    |     |
| Ant. Pol.     | Vertical                                |                    |     |
| Test Mode:    | TX 802.11n(HT40) Mode 5795MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11589.537       | 31.30          | 8.13          | 39.43          | 54.00          | -14.57      | AVG      |
| 2   | 11589.565       | 38.43          | 8.13          | 46.56          | 68.30          | -21.74      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3) |                    |     |

|     |                 |                |               |                |                |             |          |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 * | 11509.644       | 31.02          | 8.57          | 39.59          | 54.00          | -14.41      | AVG      |
| 2   | 11509.836       | 39.99          | 8.57          | 48.56          | 68.30          | -19.74      | peak     |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11509.951       | 39.03          | 8.48          | 47.51          | 68.30          | -20.79      | peak     |
| 2 * | 11510.292       | 31.09          | 8.48          | 39.57          | 54.00          | -14.43      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Horizontal                                |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11589.830       | 38.44          | 8.33          | 46.77          | 68.30          | -21.53      | peak     |
| 2 * | 11590.165       | 31.08          | 8.33          | 39.41          | 54.00          | -14.59      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

|               |                                           |                    |     |
|---------------|-------------------------------------------|--------------------|-----|
| Temperature:  | 26℃                                       | Relative Humidity: | 54% |
| Test Voltage: | DC 5V                                     |                    |     |
| Ant. Pol.     | Vertical                                  |                    |     |
| Test Mode:    | TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3) |                    |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11589.815       | 39.94          | 8.13          | 48.07          | 68.30          | -20.23      | peak     |
| 2 * | 11590.162       | 31.28          | 8.13          | 39.41          | 54.00          | -14.59      | AVG      |

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)

3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.

5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                           |                           |     |
|----------------------|-------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                      | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                     |                           |     |
| <b>Ant. Pol.</b>     | Horizontal                                |                           |     |
| <b>Test Mode:</b>    | TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3) |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 11550.066       | 31.38          | 8.45          | 39.83          | 54.00          | -14.17      | AVG      |
| 2   | 11550.238       | 44.34          | 8.45          | 52.79          | 68.30          | -15.51      | peak     |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m)-Limit PK/AVG(dBuV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

|                      |                                           |                           |     |
|----------------------|-------------------------------------------|---------------------------|-----|
| <b>Temperature:</b>  | 26°C                                      | <b>Relative Humidity:</b> | 54% |
| <b>Test Voltage:</b> | DC 5V                                     |                           |     |
| <b>Ant. Pol.</b>     | Vertical                                  |                           |     |
| <b>Test Mode:</b>    | TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3) |                           |     |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 11549.574       | 38.53          | 8.31          | 46.84          | 68.30          | -21.46      | peak     |
| 2 * | 11549.946       | 31.45          | 8.30          | 39.75          | 54.00          | -14.25      | AVG      |

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m)= Corr. (dB/m)+ Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m)-Limit PK/AVG(dBuV/m)
4. The tests evaluated1-40GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

-----END OF REPORT-----