# RF MEASUREMENT REPORT

## FCC PART 15.407 WLAN 802.11a/n/ac/ax

| | |
|---|---|
| **FCC ID:** | TK4WLE1216V520 |
| **Applicant:** | Compex Systems Pte Ltd |
| **Product:** | 4x4 Wave-2 802.11ac/a/n Mini PCIe WiFi Module |
| **Model No.:** | WLE1216V5-20, WLE1216V5-20-I |
| **Brand Name:** | COMPEX |
| **FCC Classification:** | Unlicensed National Information Infrastructure (NII) |
| **FCC Rule Part(s):** | Part 15 Subpart E (Section 15.407) |
| **Test Date:** | February 13 ~ 15, 2022 |

**Reviewed By:** Jame Yuan

**Approved By:** Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

## Revision History

| Report No. | Version | Description | Issue Date | Note |
|---|---|---|---|---|
| 2202RSU009-U1 | Rev. 01 | Initial Report | 03-25-2022 | Valid |
| | | | | |

Note: This report is based on MRT original report (Report No.: 1710RSU02001) to change the chip (from QCA9984 to QCA9994) and only radiated emission was verified in this report as per manufacturer's requirement.

# CONTENTS

# 1. General Information

## 1.1. Applicant

Compex Systems Pte Ltd

No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651

## 1.2. Manufacturer

Compex Systems Pte Ltd

No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651

## 1.3. Testing Facility

| | | | | | |
|---|---|---|---|---|---|
| ☒ | **Test Site – MRT Suzhou Laboratory** | | | | |
| | **Laboratory Location (Suzhou - Wuzhong)**<br>D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China<br>**Laboratory Location (Suzhou - SIP)**<br>4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China | | | | |
| | **Laboratory Accreditations** | | | | |
| | A2LA: 3628.01 | | CNAS: L10551 | | |
| | FCC: CN1166 | | ISED: CN0001 | | |
| | VCCI: | ☐R-20025 | ☐G-20034 | ☐C-20020 | ☐T-20020 |
| | | ☐R-20141 | ☐G-20134 | ☐C-20103 | ☐T-20104 |
| ☐ | **Test Site – MRT Shenzhen Laboratory** | | | | |
| | **Laboratory Location (Shenzhen)**<br>1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China | | | | |
| | **Laboratory Accreditations** | | | | |
| | A2LA: 3628.02 | | CNAS: L10551 | | |
| | FCC: CN1284 | | ISED: CN0105 | | |
| ☐ | **Test Site – MRT Taiwan Laboratory** | | | | |
| | **Laboratory Location (Taiwan)**<br>No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) | | | | |
| | **Laboratory Accreditations** | | | | |
| | TAF: L3261-190725 | | | | |
| | FCC: 291082, TW3261 | | ISED: TW3261 | | |

### 1.4. Product Information

| | |
|---|---|
| Product Name | 4x4 Wave-2 802.11ac/a/n Mini PCIe WiFi Module |
| Model No. | WLE1216V5-20 |
| Brand Name | COMPEX |
| Serial No. | 27286628 |
| Wi-Fi Specification | 802.11a/b/g/n/ac |
| Antenna information | Refer to section 1.7 |
| Antenna Delivery | 4*TX + 4*RX |
| Remark:<br>The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. | |

### 1.5. Radio Specification

| | |
|---|---|
| Frequency Range | For 802.11a/n-HT20/ac-VHT20:<br>5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz<br>For 802.11n-HT40/ac-VHT40:<br>5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz<br>For 802.11ac-VHT80:<br>5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz |
| Type of Modulation | 802.11a/n/ac: OFDM |
| Data Rate | 802.11a: 6/9/12/18/24/36/48/54Mbps<br>802.11n: up to 600Mbps<br>802.11ac: up to 1733.2Mbps |

Note: For other features of this EUT, test report will be issued separately.

### 1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|
| 36 | 5180 MHz | 40 | 5200 MHz | 44 | 5220 MHz |
| 48 | 5240 MHz | 52 | 5260 MHz | 56 | 5280 MHz |
| 60 | 5300 MHz | 64 | 5320 MHz | 100 | 5500 MHz |
| 104 | 5520 MHz | 108 | 5540 MHz | 112 | 5560 MHz |
| 116 | 5580 MHz | 120 | 5600 MHz | 124 | 5620 MHz |
| 128 | 5640 MHz | 132 | 5660 MHz | 136 | 5680 MHz |
| 140 | 5700 MHz | 144 | 5720 MHz | 149 | 5745 MHz |
| 153 | 5765 MHz | 157 | 5785 MHz | 161 | 5805 MHz |
| 165 | 5825 MHz | -- | -- | -- | -- |

802.11n-HT40/ac-VHT40

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|
| 38 | 5190 MHz | 46 | 5230 MHz | 54 | 5270 MHz |
| 62 | 5310 MHz | 102 | 5510 MHz | 110 | 5550MHz |
| 118 | 5590 MHz | 126 | 5630 MHz | 134 | 5670 MHz |
| 142 | 5710 MHz | 151 | 5755 MHz | 159 | 5795 MHz |

802.11ac-VHT80

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|
| 42 | 5210 MHz | 58 | 5290 MHz | 106 | 5530 MHz |
| 122 | 5610 MHz | 138 | 5690 MHz | 155 | 5775 MHz |

802.11ac-VHT80+80 Groups

| | |
|---|---|
| 5210MHz + 5530MHz | 5210MHz + 5610MHz |
| 5210MHz + 5690MHz | 5210MHz + 5775MHz |
| 5290MHz + 5530MHz | 5290MHz + 5610MHz |
| 5290MHz + 5690MHz | 5290MHz + 5775MHz |
| 5530MHz + 5775MHz | 5610MHz + 5775MHz |

### 1.7. Antenna Details

| No. | Antenna | Manufacturer | Frequency Band (MHz) | Max Peak Gain (dBi) |
|---|---|---|---|---|
| Wi-Fi External Antenna List (5GHz 4*4 MIMO) | | | | |
| 1# | Omni Directional | Exceltek Electronics Technology Co., Ltd. | 2400 ~ 2500 | 3.0 |
| | | | 5150 ~ 5850 | 5.0 |
| 2# | Omni Directional | Laird Smart Technology Co., Ltd. | 2400 ~ 2500 | 2.2 |
| | | | 5150 ~ 5850 | 3.5 |
| 3# | Omni Directional | Linx Technologies | 2400 ~ 2500 | 2.5 |
| | | | 5150 ~ 5850 | 4.6 |
| 4# | Omni Directional | Kenbotong Technology Co., Ltd. | 5150 ~ 5850 | 10.0 |

Note 1: The device didn't support beam-forming technology and Cyclic Delay Diversity (CDD) technology, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

Note 2: We selected the max peak gain antenna 4# to perform all RF testing.

# 2. Test Configuration

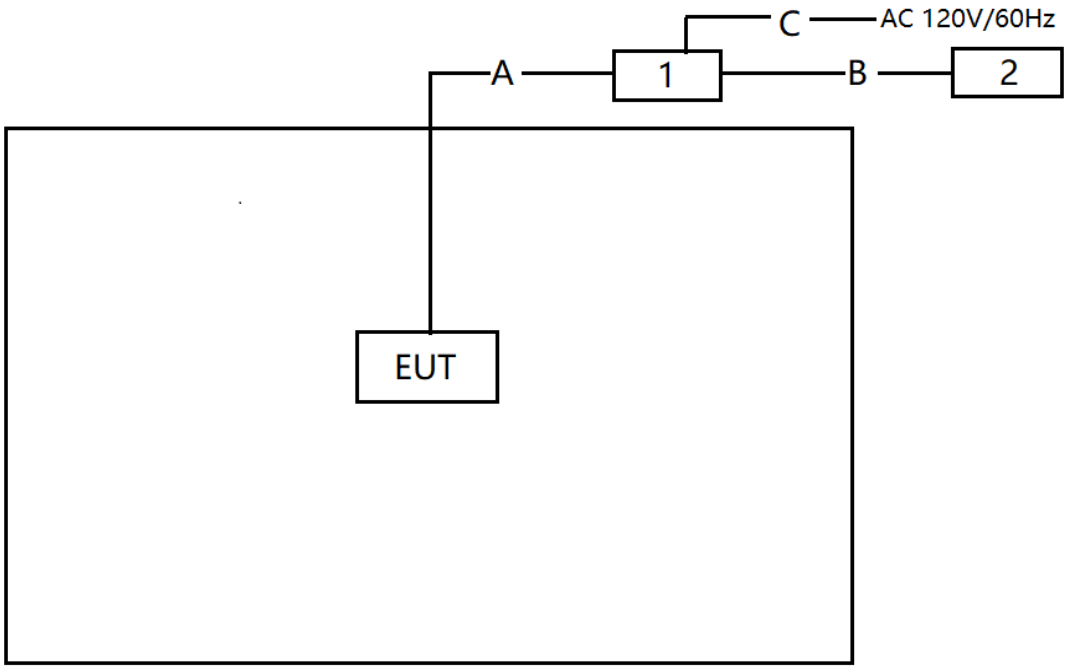
## 2.1. Test Mode

| |
|---|
| Mode 1: Transmit by 802.11a (6Mbps) |
| Mode 2: Transmit by 802.11n-HT20 (MCS0) |
| Mode 3: Transmit by 802.11n-HT40 (MCS0) |
| Mode 4: Transmit by 802.11ac-VHT20 (MCS0) |
| Mode 5: Transmit by 802.11ac-VHT40 (MCS0) |
| Mode 6: Transmit by 802.11ac-VHT80 (MCS0) |
| Mode 7: Transmit by 802.11ac-VHT80+80 (MCS0) |

## 2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram – Radiated Emission testing




| Cable Type | | Cable Description |
|---|---|---|
| A | LAN Cable | Non shielded, > 10m |
| B | LAN Cable | Non shielded, 3.0m |
| C | Power Cable | Shielding, < 1.8 m |

## 2.3. Test System Details

| Product | | Manufacturer | Model No. |
|---|---|---|---|
| 1 | POE | N/A | ADH-30CR BB |
| 2 | Notebook | Lenovo | E431 |

## 2.4. Test Software

The test utility software used during testing was “QRCT”, and the version was 4.0.00182.0.

Power Parameter Value for 1TX

| Test Mode | Channel No. | Test Frequency (MHz) | Power Parameter Value | | | |
|---|---|---|---|---|---|---|
| | | | Ant 0 | Ant 1 | Ant 2 | Ant 3 |
| 802.11a | 36 | 5180 | 17.0 | 17.0 | 17.5 | 17.5 |
| | 44 | 5220 | 17.5 | 17.5 | 17.5 | 17.5 |
| | 48 | 5240 | 18.0 | 17.5 | 17.5 | 18.0 |
| | 52 | 5260 | 17.0 | 17.0 | 17.0 | 17.5 |
| | 60 | 5300 | 17.0 | 17.0 | 17.0 | 17.5 |
| | 64 | 5320 | 17.0 | 17.0 | 17.0 | 17.5 |
| | 100 | 5500 | 17.0 | 16.5 | 16.5 | 17.0 |
| | 116 | 5580 | 17.0 | 16.5 | 16.0 | 16.5 |
| | 120 | 5600 | 17.0 | 16.5 | 16.5 | 16.5 |
| | 140 | 5700 | 17.5 | 16.5 | 16.5 | 17.0 |
| | 144 | 5720 | 17.5 | 16.5 | 16.5 | 17.0 |
| | 149 | 5745 | 21.0 | 21.0 | 21.0 | 21.0 |
| | 157 | 5785 | 21.0 | 21.0 | 21.0 | 21.0 |
| | 165 | 5825 | 21.0 | 21.0 | 21.0 | 21.0 |

Power Parameter Value for 4TX

| Test Mode | Channel No. | Test Frequency (MHz) | Ant 0 + 1 + 2 + 3 Power Parameter Value |
|---|---|---|---|
| 802.11n-HT20 | 36 | 5180 | 11.5 |
| | 44 | 5220 | 12.0 |
| | 48 | 5240 | 12.0 |
| | 52 | 5260 | 11.0 |
| | 60 | 5300 | 11.0 |
| | 64 | 5320 | 11.0 |
| | 100 | 5500 | 10.5 |
| | 116 | 5580 | 10.0 |
| | 120 | 5600 | 10.5 |
| | 140 | 5700 | 10.5 |
| | 144 | 5720 | 10.5 |
| | 149 | 5745 | 18.5 |
| | 157 | 5785 | 18.0 |
| | 165 | 5825 | 18.0 |

| Test Mode | Channel No. | Test Frequency (MHz) | Ant 0 + 1 + 2 + 3 Power Parameter Value |
|---|---|---|---|
| 802.11n-HT40 | 38 | 5190 | 13.5 |
| | 46 | 5230 | 13.5 |
| | 54 | 5270 | 14.0 |
| | 62 | 5310 | 14.0 |
| | 102 | 5510 | 13.5 |
| | 110 | 5550 | 14.0 |
| | 118 | 5590 | 14.0 |
| | 134 | 5670 | 13.5 |
| | 142 | 5710 | 13.5 |
| | 151 | 5755 | 19.5 |
| | 159 | 5795 | 20.0 |
| 802.11ac-VHT20 | 36 | 5180 | 11.5 |
| | 44 | 5220 | 12.0 |
| | 48 | 5240 | 12.0 |
| | 52 | 5260 | 11.0 |
| | 60 | 5300 | 11.0 |
| | 64 | 5320 | 11.0 |
| | 100 | 5500 | 10.5 |
| | 116 | 5580 | 10.0 |
| | 120 | 5600 | 10.5 |
| | 140 | 5700 | 10.5 |
| | 144 | 5720 | 10.5 |
| | 149 | 5745 | 18.5 |
| | 157 | 5785 | 18.0 |
| | 165 | 5825 | 18.0 |

| Test Mode | Channel No. | Test Frequency (MHz) | Ant 0 + 1 + 2 + 3 Power Parameter Value |
|---|---|---|---|
| 802.11ac-VHT40 | 38 | 5190 | 13.5 |
| | 46 | 5230 | 13.5 |
| | 54 | 5270 | 14.5 |
| | 62 | 5310 | 14.0 |
| | 102 | 5510 | 13.5 |
| | 110 | 5550 | 14.0 |
| | 118 | 5590 | 14.0 |
| | 134 | 5670 | 13.5 |
| | 142 | 5710 | 13.5 |
| | 151 | 5755 | 19.0 |
| | 159 | 5795 | 19.0 |
| 802.11ac-VHT80 | 42 | 5210 | 11.5 |
| | 58 | 5290 | 12.0 |
| | 106 | 5530 | 11.5 |
| | 122 | 5610 | 13.5 |
| | 138 | 5690 | 13.5 |
| | 155 | 5775 | 11.5 |

| Test Mode | Channel No. | Test Frequency (MHz) | Ant 0 + 1 + 2 + 3 Power Parameter Value |
|---|---|---|---|
| Non-contiguous 80+80 MHz mode fall within different UNII band | | | |
| 802.11ac-VHT80+80 | 42 + 106 | 5210 + 5530 | 16.5 |
| | 42 + 122 | 5210 + 5610 | 17.5 |
| | 42 + 138 | 5210 + 5690 | 17.5 |
| | 42 + 155 | 5210 + 5775 | 17.0 |
| | 58 + 106 | 5290 + 5530 | 16.5 |
| | 58 + 122 | 5290 + 5610 | 17.5 |
| | 58 + 138 | 5290 + 5690 | 17.5 |
| | 58 + 155 | 5290 + 5775 | 17.0 |
| | 106 + 155 | 5530 + 5775 | 17.0 |
| | 122 + 155 | 5610 + 5775 | 17.0 |

## 2.5. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02v02r01
- KDB 662911 D01v02r01
- ANSI C63.10-2013

## 2.6. Test Environment Condition

| | |
|---|---|
| Ambient Temperature | 15 ~ 35°C |
| Relative Humidity | 20 ~ 75%RH |

## 3. Antenna Requirements

**Excerpt from §15.203 of the FCC Rules/Regulations:**

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 antenna of the device uses the **unique I-PEX** connector.

**Conclusion:**

The unit complies with the requirement of §15.203.

## 4. Measuring Instrument

| Instrument | Manufacturer | Model No. | Asset No. | Cali. Interval | Cali. Due Date | Test Site |
|---|---|---|---|---|---|---|
| Anechoic Chamber | RIKEN | SIP-AC1 | MRTSUE06554 | 1 year | 2022/12/23 | SIP-AC1 |
| Preamplifier | EMCI | EMC051845SE | MRTSUE06600 | 1 year | 2022/11/8 | SIP-AC1 |
| Horn Antenna | R&S | HF907 | MRTSUE06610 | 1 year | 2022/8/5 | SIP-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06616 | 1 year | 2022/11/2 | SIP-AC1 |
| Thermohygrometer | testo | 608-H1 | MRTSUE06620 | 1 year | 2022/11/28 | SIP-AC1 |
| TRILOG Antenna | Schwarzbeck | VULB 9168 | MRTSUE06645 | 1 year | 2022/8/26 | SIP-AC1 |
| EMI Test Receiver | R&S | ESR3 | MRTSUE06185 | 1 year | 2022/12/29 | SIP-AC1/SIP-AC2/SIP-AC3 |
| EMI Test Receiver | R&S | ESR3 | MRTSUE06613 | 1 year | 2022/6/24 | SIP-AC1/SIP-AC2/SIP-AC3 |
| Preamplifier | EMCI | EMC001330 | MRTSUE06643 | 1 year | 2023/1/13 | SIP-AC1/SIP-AC2/SIP-AC3 |
| Loop Antenna | Schwarzbeck | FMZB 1519 B | MRTSUE06937 | 1 year | 2022/3/9 | SIP-AC1/SIP-AC2/SIP-AC3 |
| Signal Analyzer | Keysight | N9010B | MRTSUE07028 | 1 year | 2022/12/9 | SIP-AC1/SIP-AC2/SIP-AC3/ SIP-TR1/SIP-TR2/SIP-SR1 |
| Signal Analyzer | Keysight | N9010B | MRTSUE06559 | 1 year | 2022/6/24 | SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1 |
| Signal Analyzer | Keysight | N9010B | MRTSUE06603 | 1 year | 2022/10/31 | SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1 |
| Signal Analyzer | Keysight | N9020B | MRTSUE06604 | 1 year | 2022/9/7 | SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1 |

| Software | Version | Function |
|---|---|---|
| EMI Software | V3 | EMI Test Software |

## 5. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

| AC Conducted Emission Measurement |
|---|
| Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):<br>9kHz~150kHz: 3.74dB<br>150kHz~30MHz: 3.44dB |
| **Radiated Disturbance** |
| Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):<br>Horizontal:<br>30MHz~300MHz: 5.04dB<br>300MHz~1GHz: 4.95dB<br>1GHz~40GHz: 6.40dB<br>Vertical:<br>30MHz~300MHz: 5.24dB<br>300MHz~1GHz: 6.03dB<br>1GHz~40GHz: 6.40dB |
| **Spurious Emissions, Conducted** |
| Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):<br>0.78dB |

# 6. Test Result

## 6.1. Summary

| FCC Section(s) | Test Description | Test Condition | Verdict |
|---|---|---|---|
| 15.205, 15.209<br>15.407(b)(8), (9), (10) | General Field Strength Limits (Restricted Bands and Radiated Emission Limits) | Radiated | Pass |

**Remark:**

1. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

## 6.2. Radiated Spurious Emission Measurement

### 6.2.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 | | |
|---|---|---|
| Frequency [MHz] | Field Strength [uV/m] | Measured Distance [Meters] |
| 0.009 - 0.490 | 2400/F (kHz) | 300 |
| 0.490 - 1.705 | 24000/F (kHz) | 30 |
| 1.705 - 30 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

### 6.2.2. Test Procedure

KDB 789033 D02v02r01- Section G

### 6.2.3. Test Setting

**Table 1 - RBW as a function of frequency**

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

**Quasi-Peak Measurements below 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

**Peak Measurements above 1GHz**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

**Average Measurements above 1GHz (Method VB)**

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

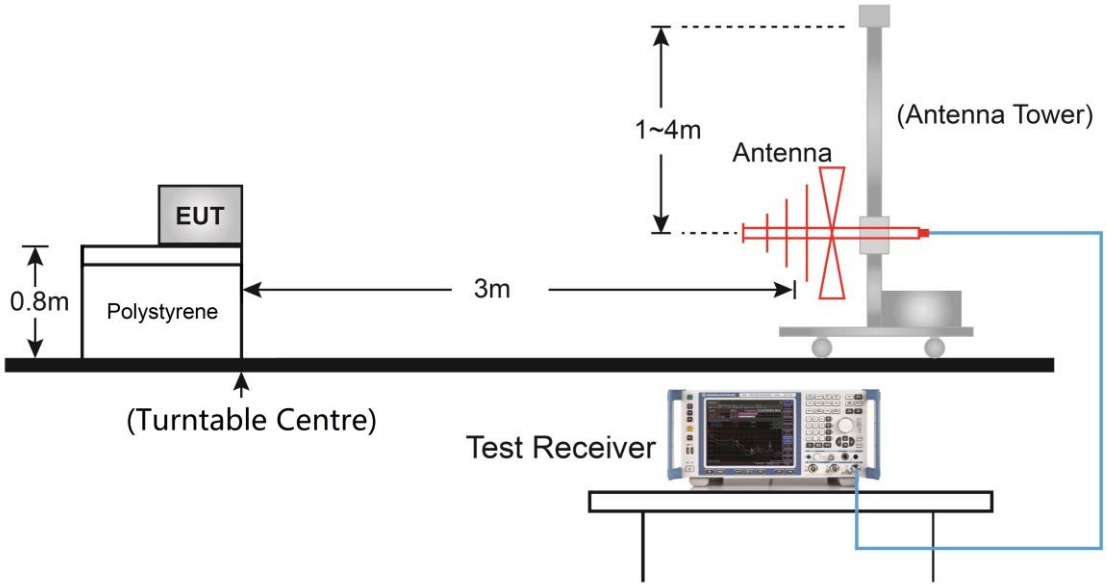
5. Sweep time = auto

6. Trace mode = max hold

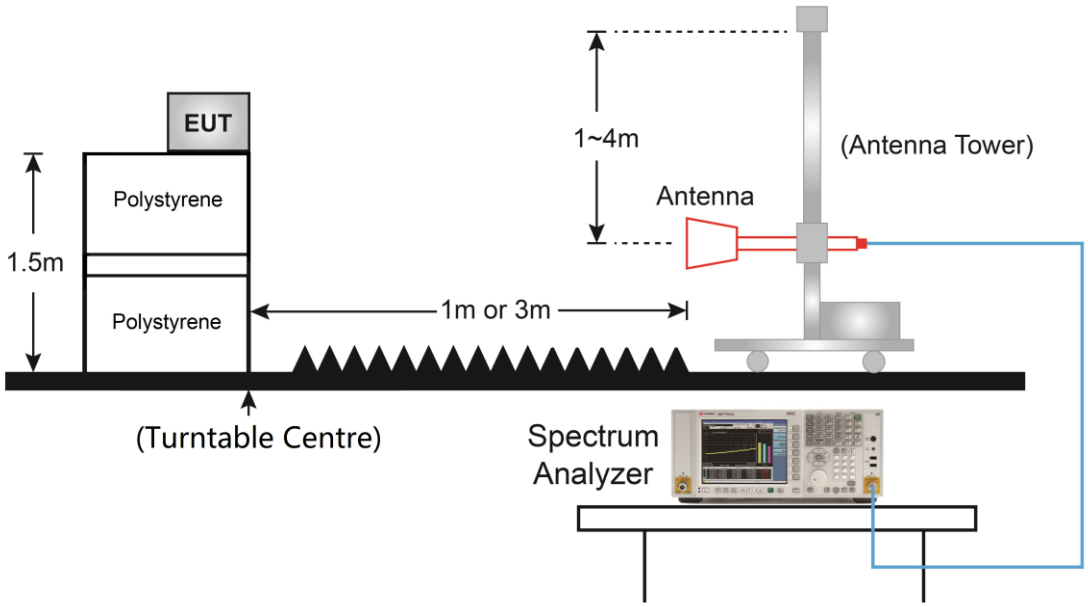
7. Trace was allowed to stabilize

### 6.2.4. Test Setup

Below 1GHz Test Setup:




Above 1GHz Test Setup:



### 6.2.5. Test Result

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 36 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9967.5 | 48.5 | -3.9 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| | 12551.5 | 47.0 | -2.1 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15807.0 | 43.2 | 4.8 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| * | 16742.0 | 43.8 | 6.6 | 50.4 | 68.2 | -17.8 | Peak | Horizontal |
| * | 10384.0 | 47.8 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11149.0 | 47.7 | -3.3 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 15713.5 | 44.5 | 3.9 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 17600.5 | 43.9 | 7.1 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 44 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.5 | -3.5 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 12245.5 | 47.5 | -2.6 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15917.5 | 43.7 | 4.9 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 17473.0 | 44.6 | 6.7 | 51.4 | 68.2 | -16.8 | Peak | Horizontal |
| * | 9950.5 | 48.1 | -4.1 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11115.0 | 47.8 | -3.3 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15917.5 | 44.1 | 4.9 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 17345.5 | 43.6 | 7.4 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 48 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10367.0 | 47.3 | -3.4 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 11149.0 | 48.2 | -3.3 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15586.0 | 44.6 | 4.5 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 17252.0 | 43.6 | 7.3 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 9916.5 | 49.5 | -4.1 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 11880.0 | 46.9 | -2.7 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15926.0 | 43.2 | 5.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 16640.0 | 43.7 | 6.4 | 50.0 | 68.2 | -18.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 52 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10341.5 | 47.7 | -4.0 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11472.0 | 47.3 | -2.8 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 15577.5 | 43.9 | 4.3 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16988.5 | 44.3 | 6.0 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| * | 10358.5 | 47.2 | -3.4 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| | 11693.0 | 47.4 | -2.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15577.5 | 44.3 | 4.3 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 17133.0 | 43.9 | 6.7 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 60 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9908.0 | 47.7 | -3.8 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 11208.5 | 49.2 | -3.2 | 46.0 | 74.0 | -28.0 | Peak | Horizontal |
| | 15917.5 | 43.3 | 4.9 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 17252.0 | 43.7 | 7.3 | 51.0 | 68.2 | -17.2 | Peak | Horizontal |
| * | 10154.5 | 48.1 | -3.7 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 12024.5 | 47.9 | -3.0 | 45.0 | 74.0 | -29.0 | Peak | Vertical |
| | 15484.0 | 44.5 | 3.8 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 16742.0 | 44.2 | 6.6 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 64 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.7 | -3.5 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11837.5 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15696.5 | 44.0 | 4.0 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| * | 16920.5 | 44.2 | 6.4 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10112.0 | 47.3 | -3.7 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 12356.0 | 46.9 | -2.1 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15909.0 | 43.6 | 4.4 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 16937.5 | 43.0 | 7.2 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 100 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10486.0 | 47.6 | -3.7 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 11854.5 | 48.5 | -2.7 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| | 15807.0 | 43.6 | 4.8 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16946.0 | 43.0 | 7.2 | 50.2 | 68.2 | -18.0 | Peak | Horizontal |
| | 11574.0 | 47.1 | -3.2 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| * | 14277.0 | 45.8 | 1.7 | 47.5 | 68.2 | -20.7 | Peak | Vertical |
| | 15569.0 | 43.7 | 4.2 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| * | 16937.5 | 43.4 | 7.2 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 116 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9763.5 | 48.1 | -4.1 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 11234.0 | 47.9 | -3.0 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15705.0 | 44.2 | 4.0 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16742.0 | 45.0 | 6.6 | 51.6 | 68.2 | -16.6 | Peak | Horizontal |
| * | 10375.5 | 47.7 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11225.5 | 45.6 | -3.1 | 42.5 | 74.0 | -31.5 | Peak | Vertical |
| | 15577.5 | 43.7 | 4.3 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| * | 16733.5 | 44.9 | 6.4 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 120 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 10817.5 | 48.5 | -3.7 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| * | 13750.0 | 46.3 | 0.2 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 15696.5 | 45.7 | 4.0 | 49.6 | 74.0 | -24.4 | Peak | Horizontal |
| * | 17337.0 | 43.6 | 7.9 | 51.5 | 68.2 | -16.7 | Peak | Horizontal |
| * | 9746.5 | 48.7 | -4.1 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11693.0 | 47.4 | -2.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15433.0 | 44.7 | 3.8 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 16937.5 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 140 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.2 | -3.5 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| | 11846.0 | 47.6 | -2.5 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| | 15569.0 | 44.5 | 4.2 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 16929.0 | 44.1 | 7.2 | 51.3 | 68.2 | -16.9 | Peak | Horizontal |
| * | 9942.0 | 46.0 | -4.6 | 41.4 | 68.2 | -26.8 | Peak | Vertical |
| | 11820.5 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15577.5 | 43.7 | 4.3 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 16640.0 | 44.9 | 6.4 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 144 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10350.0 | 47.3 | -3.4 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 12356.0 | 46.8 | -2.1 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15569.0 | 44.3 | 4.2 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 17141.5 | 44.0 | 6.6 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10001.5 | 48.5 | -4.1 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11004.5 | 48.4 | -3.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15594.5 | 44.7 | 3.8 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 17269.0 | 44.5 | 7.0 | 51.5 | 68.2 | -16.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 149 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10129.0 | 47.7 | -3.5 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11557.0 | 47.5 | -3.2 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15917.5 | 43.4 | 4.9 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 17235.0 | 44.7 | 7.5 | 52.2 | 68.2 | -16.0 | Peak | Horizontal |
| * | 9763.5 | 48.8 | -4.1 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11914.0 | 47.3 | -2.6 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15926.0 | 44.1 | 5.4 | 49.5 | 74.0 | -24.5 | Peak | Vertical |
| * | 17235.0 | 44.5 | 7.5 | 52.0 | 68.2 | -16.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 157 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10103.5 | 48.4 | -3.9 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| | 11744.0 | 47.4 | -2.8 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15917.5 | 43.6 | 4.9 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| * | 16759.0 | 43.9 | 6.3 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| * | 9908.0 | 48.7 | -3.8 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11378.5 | 48.0 | -3.1 | 45.0 | 74.0 | -29.0 | Peak | Vertical |
| | 15926.0 | 43.0 | 5.4 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 16402.0 | 44.7 | 5.5 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 0 Channel 165 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10154.5 | 49.2 | -3.7 | 45.5 | 68.2 | -22.7 | Peak | Horizontal |
| | 11650.5 | 48.7 | -2.8 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| | 15586.0 | 43.9 | 4.5 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 17473.0 | 45.2 | 6.7 | 52.0 | 68.2 | -16.2 | Peak | Horizontal |
| * | 10180.0 | 48.4 | -4.1 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11659.0 | 48.2 | -2.6 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| | 15926.0 | 43.9 | 5.4 | 49.3 | 74.0 | -24.7 | Peak | Vertical |
| * | 16946.0 | 44.4 | 7.2 | 51.6 | 68.2 | -16.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 36 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10001.5 | 48.2 | -4.1 | 44.1 | 68.2 | -24.2 | Peak | Horizontal |
| | 11965.0 | 46.7 | -2.5 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 15433.0 | 44.5 | 3.8 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 16538.0 | 43.5 | 6.2 | 49.7 | 68.2 | -18.5 | Peak | Horizontal |
| * | 9593.5 | 49.1 | -4.6 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| | 12101.0 | 46.6 | -2.4 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15926.0 | 43.3 | 5.4 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 17269.0 | 43.7 | 7.0 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 44 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 48.2 | -3.5 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 11693.0 | 47.9 | -2.6 | 45.3 | 74.0 | -28.7 | Peak | Horizontal |
| | 15671.0 | 45.3 | 3.4 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 17337.0 | 43.7 | 7.9 | 51.7 | 68.2 | -16.5 | Peak | Horizontal |
| * | 10137.5 | 47.8 | -3.5 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 11905.5 | 47.2 | -2.5 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15926.0 | 43.3 | 5.4 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 17600.5 | 45.1 | 7.1 | 52.2 | 68.2 | -16.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 48 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10367.0 | 49.0 | -3.4 | 45.6 | 68.2 | -22.6 | Peak | Horizontal |
| | 11931.0 | 47.0 | -2.6 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15807.0 | 43.8 | 4.8 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 16929.0 | 43.8 | 7.2 | 51.0 | 68.2 | -17.2 | Peak | Horizontal |
| * | 9695.5 | 48.9 | -4.6 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11463.5 | 47.0 | -3.1 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| | 15815.5 | 45.0 | 4.0 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16963.0 | 44.1 | 6.5 | 50.5 | 68.2 | -17.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a -<br>Ant 1 Channel 52 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBµV) | Factor (dB/m) | Measure Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9712.5 | 48.1 | -4.5 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 11922.5 | 47.2 | -2.6 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 15807.0 | 43.8 | 4.8 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 16742.0 | 44.0 | 6.6 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10146.0 | 47.3 | -3.5 | 43.8 | 68.2 | -24.5 | Peak | Vertical |
| | 12109.5 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15637.0 | 44.8 | 3.1 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| * | 17685.5 | 44.3 | 6.9 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 60 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10214.0 | 47.3 | -4.0 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| | 12220.0 | 46.5 | -2.2 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15569.0 | 44.0 | 4.2 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 17226.5 | 43.9 | 6.9 | 50.9 | 68.2 | -17.3 | Peak | Horizontal |
| * | 10375.5 | 48.7 | -3.5 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 11803.5 | 47.3 | -2.9 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 15722.0 | 44.7 | 3.7 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 17337.0 | 43.3 | 7.9 | 51.2 | 68.2 | -17.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 64 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10112.0 | 49.3 | -3.7 | 45.6 | 68.2 | -22.6 | Peak | Horizontal |
| | 12424.0 | 46.8 | -2.3 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 16079.0 | 45.7 | 3.9 | 49.5 | 74.0 | -24.5 | Peak | Horizontal |
| * | 16937.5 | 43.8 | 7.2 | 51.0 | 68.2 | -17.2 | Peak | Horizontal |
| * | 10061.0 | 48.0 | -4.2 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 11361.5 | 47.4 | -2.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15807.0 | 44.1 | 4.8 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 17379.5 | 44.8 | 6.7 | 51.5 | 68.2 | -16.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 100 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10367.0 | 48.1 | -3.4 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 12211.5 | 46.8 | -2.3 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 15586.0 | 43.8 | 4.5 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16844.0 | 44.2 | 6.3 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| * | 9959.0 | 47.6 | -3.6 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11650.5 | 47.1 | -2.8 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15917.5 | 43.4 | 4.9 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 16929.0 | 43.7 | 7.2 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 116 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10375.5 | 48.4 | -3.5 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| | 11880.0 | 47.0 | -2.7 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15713.5 | 44.6 | 3.9 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| * | 17226.5 | 43.6 | 6.9 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| * | 10137.5 | 47.5 | -3.5 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 12126.5 | 47.4 | -2.8 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15620.0 | 45.4 | 3.2 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 17226.5 | 44.3 | 6.9 | 51.2 | 68.2 | -17.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 120 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 47.5 | -3.5 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 12177.5 | 48.0 | -2.2 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| | 15560.5 | 45.2 | 3.8 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 17243.5 | 43.5 | 7.4 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10001.5 | 48.0 | -4.1 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| | 11948.0 | 46.9 | -2.2 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15917.5 | 44.0 | 4.9 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16937.5 | 43.9 | 7.2 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 140 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 47.9 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 12560.0 | 47.9 | -2.2 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 15807.0 | 43.6 | 4.8 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 17260.5 | 44.1 | 7.1 | 51.3 | 68.2 | -16.9 | Peak | Horizontal |
| * | 10367.0 | 48.1 | -3.4 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 11285.0 | 47.1 | -3.1 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 15560.5 | 44.2 | 3.8 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| * | 17260.5 | 43.6 | 7.1 | 50.8 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 144 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10350.0 | 47.8 | -3.4 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11183.0 | 47.8 | -3.2 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 15586.0 | 43.6 | 4.5 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| * | 17014.0 | 45.1 | 5.9 | 51.0 | 68.2 | -17.2 | Peak | Horizontal |
| * | 10375.5 | 48.1 | -3.5 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11659.0 | 47.3 | -2.6 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15569.0 | 44.7 | 4.2 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16937.5 | 43.4 | 7.2 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 149 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10103.5 | 48.6 | -3.9 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 12169.0 | 47.2 | -2.2 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15705.0 | 43.6 | 4.0 | 47.6 | 74.0 | -26.4 | Peak | Horizontal |
| * | 16937.5 | 44.2 | 7.2 | 51.4 | 68.2 | -16.8 | Peak | Horizontal |
| * | 9772.0 | 46.6 | -4.2 | 42.4 | 68.2 | -25.8 | Peak | Vertical |
| | 11480.5 | 45.3 | -2.9 | 42.4 | 74.0 | -31.6 | Peak | Vertical |
| | 15917.5 | 43.9 | 4.9 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 17235.0 | 45.3 | 7.5 | 52.8 | 68.2 | -15.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 157 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9959.0 | 47.8 | -3.6 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11234.0 | 48.7 | -3.0 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 15586.0 | 44.1 | 4.5 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 17243.5 | 43.6 | 7.4 | 51.0 | 68.2 | -17.2 | Peak | Horizontal |
| * | 10367.0 | 48.0 | -3.4 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 11557.0 | 47.5 | -3.2 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 15577.5 | 44.7 | 4.3 | 49.1 | 74.0 | -24.9 | Peak | Vertical |
| * | 17243.5 | 42.8 | 7.4 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 1 Channel 165 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10188.5 | 49.2 | -4.0 | 45.3 | 68.2 | -22.9 | Peak | Horizontal |
| | 11650.5 | 49.0 | -2.8 | 46.2 | 74.0 | -27.8 | Peak | Horizontal |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 16937.5 | 43.4 | 7.2 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10129.0 | 47.5 | -3.5 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11650.5 | 50.4 | -2.8 | 47.5 | 74.0 | -26.5 | Peak | Vertical |
| | 15586.0 | 44.2 | 4.5 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 16742.0 | 44.4 | 6.6 | 51.0 | 68.2 | -17.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 36 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9712.5 | 48.7 | -4.5 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11370.0 | 48.1 | -2.6 | 45.5 | 74.0 | -28.5 | Peak | Horizontal |
| | 15926.0 | 43.8 | 5.4 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 17252.0 | 44.2 | 7.3 | 51.4 | 68.2 | -16.8 | Peak | Horizontal |
| * | 9738.0 | 48.3 | -4.1 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 11659.0 | 47.1 | -2.6 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 15807.0 | 44.2 | 4.8 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16929.0 | 44.1 | 7.2 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 44 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9636.0 | 48.1 | -4.4 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11693.0 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15917.5 | 43.4 | 4.9 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 17107.5 | 44.2 | 6.6 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10341.5 | 48.8 | -4.0 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11582.5 | 47.6 | -3.3 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15577.5 | 44.7 | 4.3 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16929.0 | 43.6 | 7.2 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 48 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9908.0 | 48.2 | -3.8 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 12500.5 | 47.1 | -1.9 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| | 15807.0 | 44.3 | 4.8 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| * | 16631.5 | 44.3 | 6.0 | 50.4 | 68.2 | -17.8 | Peak | Horizontal |
| * | 10069.5 | 48.0 | -4.2 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 11956.5 | 46.6 | -2.3 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15696.5 | 45.1 | 4.0 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16640.0 | 44.5 | 6.4 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 52 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.8 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11820.5 | 47.5 | -2.6 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15934.5 | 44.5 | 4.4 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 16895.0 | 44.4 | 6.1 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| * | 9619.0 | 48.4 | -4.7 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 11973.5 | 47.7 | -2.6 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 15569.0 | 44.6 | 4.2 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 16631.5 | 44.3 | 6.0 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 60 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9959.0 | 47.9 | -3.6 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11361.5 | 47.1 | -2.6 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15926.0 | 43.5 | 5.4 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 16937.5 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 10103.5 | 47.9 | -3.9 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| | 11667.5 | 48.1 | -3.0 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 15739.0 | 46.3 | 3.3 | 49.6 | 74.0 | -24.4 | Peak | Vertical |
| * | 16529.5 | 45.7 | 5.8 | 51.5 | 68.2 | -16.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 64 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10112.0 | 47.6 | -3.7 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 11370.0 | 46.9 | -2.6 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15577.5 | 44.1 | 4.3 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| * | 17099.0 | 44.5 | 6.7 | 51.2 | 68.2 | -17.0 | Peak | Horizontal |
| * | 10375.5 | 48.4 | -3.5 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11115.0 | 47.8 | -3.3 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15662.5 | 44.5 | 3.0 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
| * | 17260.5 | 43.9 | 7.1 | 51.0 | 68.2 | -17.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 100 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9780.5 | 48.6 | -4.3 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11939.5 | 47.8 | -2.4 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| | 15586.0 | 43.8 | 4.5 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 17235.0 | 43.5 | 7.5 | 50.9 | 68.2 | -17.3 | Peak | Horizontal |
| * | 9882.5 | 49.9 | -4.3 | 45.6 | 68.2 | -22.6 | Peak | Vertical |
| | 11837.5 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15926.0 | 43.7 | 5.4 | 49.2 | 74.0 | -24.8 | Peak | Vertical |
| * | 17243.5 | 43.4 | 7.4 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 116 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9772.0 | 46.3 | -4.2 | 42.1 | 68.2 | -26.1 | Peak | Horizontal |
| | 11616.5 | 48.2 | -3.2 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| | 15926.0 | 43.3 | 5.4 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 16929.0 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 9959.0 | 47.3 | -3.6 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 11472.0 | 47.3 | -2.8 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 15815.5 | 44.4 | 4.0 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 17371.0 | 43.9 | 6.9 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 120 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9908.0 | 48.8 | -3.8 | 45.0 | 68.2 | -23.2 | Peak | Horizontal |
| | 11931.0 | 47.5 | -2.6 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15696.5 | 44.2 | 4.0 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| * | 16733.5 | 43.5 | 6.4 | 49.8 | 68.2 | -18.4 | Peak | Horizontal |
| * | 9721.0 | 47.0 | -4.4 | 42.6 | 68.2 | -25.6 | Peak | Vertical |
| | 12254.0 | 47.0 | -2.4 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 15569.0 | 44.7 | 4.2 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 17252.0 | 43.7 | 7.3 | 51.0 | 68.2 | -17.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 140 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10188.5 | 48.4 | -4.0 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| | 11744.0 | 46.8 | -2.8 | 44.1 | 74.0 | -29.9 | Peak | Horizontal |
| | 15807.0 | 44.1 | 4.8 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 16954.5 | 43.6 | 6.8 | 50.4 | 68.2 | -17.8 | Peak | Horizontal |
| * | 10154.5 | 48.1 | -3.7 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11931.0 | 47.5 | -2.6 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| | 15535.0 | 45.7 | 3.1 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 16937.5 | 43.0 | 7.2 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 144 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10086.5 | 48.3 | -4.1 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 12194.5 | 47.4 | -2.4 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15917.5 | 43.5 | 4.9 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 17592.0 | 44.4 | 7.6 | 52.0 | 68.2 | -16.2 | Peak | Horizontal |
| * | 9653.0 | 48.6 | -4.4 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 11242.5 | 47.4 | -3.2 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15586.0 | 43.5 | 4.5 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 17243.5 | 43.9 | 7.4 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 149 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10239.5 | 49.1 | -4.7 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11574.0 | 47.6 | -3.2 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15696.5 | 45.0 | 4.0 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 17243.5 | 49.4 | 7.4 | 56.7 | 68.2 | -11.5 | Peak | Horizontal |
| * | 9763.5 | 48.7 | -4.1 | 44.6 | 68.2 | -23.6 | Peak | Vertical |
| | 10979.0 | 48.4 | -3.3 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 15577.5 | 43.5 | 4.3 | 47.8 | 74.0 | -26.2 | Peak | Vertical |
| * | 17226.5 | 52.3 | 6.9 | 59.3 | 68.2 | -8.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 157 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10375.5 | 47.8 | -3.5 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11531.5 | 48.2 | -3.2 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15926.0 | 43.5 | 5.4 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 17286.0 | 46.1 | 6.7 | 52.9 | 68.2 | -15.3 | Peak | Horizontal |
| * | 10384.0 | 48.7 | -3.5 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 10979.0 | 48.9 | -3.3 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| | 15917.5 | 43.7 | 4.9 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 17286.0 | 49.1 | 6.7 | 55.9 | 68.2 | -12.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 2 Channel 165 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10367.0 | 47.7 | -3.4 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11650.5 | 49.1 | -2.8 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| | 15917.5 | 44.1 | 4.9 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 17379.5 | 44.4 | 6.7 | 51.1 | 68.2 | -17.1 | Peak | Horizontal |
| * | 10188.5 | 47.9 | -4.0 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| | 11650.5 | 50.0 | -2.8 | 47.1 | 74.0 | -26.9 | Peak | Vertical |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16929.0 | 43.3 | 7.2 | 50.5 | 68.2 | -17.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 36 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9959.0 | 47.8 | -3.6 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11846.0 | 47.5 | -2.5 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15926.0 | 43.3 | 5.4 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 16538.0 | 43.2 | 6.2 | 49.4 | 68.2 | -18.9 | Peak | Horizontal |
| * | 9772.0 | 46.7 | -4.2 | 42.5 | 68.2 | -25.7 | Peak | Vertical |
| | 11497.5 | 47.9 | -2.9 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 17243.5 | 43.3 | 7.4 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 44 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9993.0 | 46.5 | -4.2 | 42.3 | 68.2 | -25.9 | Peak | Horizontal |
| | 11786.5 | 46.3 | -3.1 | 43.3 | 74.0 | -30.7 | Peak | Horizontal |
| | 15807.0 | 43.6 | 4.8 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16648.5 | 44.4 | 6.0 | 50.4 | 68.2 | -17.8 | Peak | Horizontal |
| * | 10384.0 | 48.4 | -3.5 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11727.0 | 47.3 | -2.4 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15569.0 | 44.8 | 4.2 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 17345.5 | 43.6 | 7.4 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 48 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9695.5 | 48.2 | -4.6 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 12551.5 | 47.9 | -2.1 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 15807.0 | 44.1 | 4.8 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 16657.0 | 45.2 | 5.6 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10146.0 | 48.4 | -3.5 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 12449.5 | 47.9 | -2.1 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| | 15926.0 | 44.4 | 5.4 | 49.8 | 74.0 | -24.2 | Peak | Vertical |
| * | 16954.5 | 44.4 | 6.8 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 52 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10350.0 | 49.6 | -3.4 | 46.2 | 68.2 | -22.0 | Peak | Horizontal |
| | 12143.5 | 48.0 | -2.6 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| | 15926.0 | 44.0 | 5.4 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
| * | 16954.5 | 44.4 | 6.8 | 51.2 | 68.2 | -17.0 | Peak | Horizontal |
| * | 10112.0 | 48.5 | -3.7 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11208.5 | 48.9 | -3.2 | 45.7 | 74.0 | -28.3 | Peak | Vertical |
| | 15688.0 | 45.4 | 3.9 | 49.3 | 74.0 | -24.7 | Peak | Vertical |
| * | 16742.0 | 44.5 | 6.6 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 60 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10180.0 | 48.5 | -4.1 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11846.0 | 47.3 | -2.5 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 15586.0 | 44.8 | 4.5 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| * | 17235.0 | 43.3 | 7.5 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 9780.5 | 48.4 | -4.3 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| | 12143.5 | 47.4 | -2.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15926.0 | 43.9 | 5.4 | 49.3 | 74.0 | -24.7 | Peak | Vertical |
| * | 17337.0 | 43.1 | 7.9 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 64 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.5 | -3.5 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 12152.0 | 47.4 | -2.5 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| | 15798.5 | 45.1 | 4.0 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| * | 16946.0 | 43.3 | 7.2 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| * | 10154.5 | 47.9 | -3.7 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 10766.5 | 49.6 | -3.5 | 46.1 | 74.0 | -27.9 | Peak | Vertical |
| | 15807.0 | 44.1 | 4.8 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16946.0 | 43.2 | 7.2 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 100 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 48.3 | -3.5 | 44.8 | 68.2 | -23.4 | Peak | Horizontal |
| | 11659.0 | 48.3 | -2.6 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 15577.5 | 44.0 | 4.3 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 17490.0 | 44.2 | 6.9 | 51.1 | 68.2 | -17.1 | Peak | Horizontal |
| * | 10528.5 | 48.8 | -3.5 | 45.3 | 68.2 | -22.9 | Peak | Vertical |
| | 12313.5 | 47.3 | -2.2 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 15586.0 | 45.1 | 4.5 | 49.6 | 74.0 | -24.4 | Peak | Vertical |
| * | 17498.5 | 44.4 | 6.7 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 116 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9959.0 | 47.9 | -3.6 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 12313.5 | 47.8 | -2.2 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| | 15926.0 | 44.2 | 5.4 | 49.6 | 74.0 | -24.4 | Peak | Horizontal |
| * | 16733.5 | 44.4 | 6.4 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10137.5 | 47.8 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 12245.5 | 47.9 | -2.6 | 45.4 | 74.0 | -28.6 | Peak | Vertical |
| | 15705.0 | 44.6 | 4.0 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 16946.0 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 120 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10095.0 | 48.0 | -4.0 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 11370.0 | 47.4 | -2.6 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 15586.0 | 44.8 | 4.5 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 16733.5 | 43.8 | 6.4 | 50.2 | 68.2 | -18.0 | Peak | Horizontal |
| * | 9746.5 | 48.3 | -4.1 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 11965.0 | 47.4 | -2.5 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| | 15637.0 | 44.3 | 3.1 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| * | 17252.0 | 43.7 | 7.3 | 51.0 | 68.2 | -17.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 140 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10001.5 | 48.4 | -4.1 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11752.5 | 47.1 | -2.8 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 15841.0 | 44.8 | 3.8 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 17337.0 | 43.7 | 7.9 | 51.6 | 68.2 | -16.6 | Peak | Horizontal |
| * | 10069.5 | 48.5 | -4.2 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11684.5 | 46.9 | -3.0 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| | 15433.0 | 45.3 | 3.8 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16929.0 | 43.7 | 7.2 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 144 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9993.0 | 48.8 | -4.2 | 44.6 | 68.2 | -23.6 | Peak | Horizontal |
| | 11914.0 | 47.8 | -2.6 | 45.2 | 74.0 | -28.8 | Peak | Horizontal |
| | 15560.5 | 43.0 | 3.8 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| * | 17226.5 | 44.6 | 6.9 | 51.5 | 68.2 | -16.7 | Peak | Horizontal |
| * | 9984.5 | 48.5 | -4.1 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11837.5 | 47.8 | -2.6 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 15909.0 | 44.5 | 4.4 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16742.0 | 45.2 | 6.6 | 51.8 | 68.2 | -16.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 149 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9755.0 | 48.4 | -4.1 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11557.0 | 47.5 | -3.2 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15807.0 | 44.3 | 4.8 | 49.1 | 74.0 | -24.9 | Peak | Horizontal |
| * | 17235.0 | 44.3 | 7.5 | 51.8 | 68.2 | -16.4 | Peak | Horizontal |
| * | 10001.5 | 48.1 | -4.1 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| | 11565.5 | 47.8 | -3.2 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15569.0 | 45.2 | 4.2 | 49.4 | 74.0 | -24.6 | Peak | Vertical |
| * | 17235.0 | 45.2 | 7.5 | 52.7 | 68.2 | -15.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 157 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10078.0 | 46.8 | -4.2 | 42.6 | 68.2 | -25.6 | Peak | Horizontal |
| | 11514.5 | 47.8 | -2.9 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15560.5 | 45.0 | 3.8 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 16946.0 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 10358.5 | 47.4 | -3.4 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11361.5 | 47.1 | -2.6 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 15603.0 | 45.6 | 3.0 | 48.7 | 74.0 | -25.4 | Peak | Vertical |
| * | 17337.0 | 42.9 | 7.9 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11a –<br>Ant 3 Channel 165 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10163.0 | 48.4 | -3.9 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| | 11650.5 | 48.7 | -2.8 | 45.9 | 74.0 | -28.1 | Peak | Horizontal |
| | 15586.0 | 43.5 | 4.5 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| * | 17481.5 | 45.0 | 6.8 | 51.9 | 68.2 | -16.3 | Peak | Horizontal |
| * | 10069.5 | 47.9 | -4.2 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 10732.5 | 47.6 | -3.4 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15535.0 | 45.8 | 3.1 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16929.0 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 36 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9721.0 | 50.2 | -4.4 | 45.8 | 68.2 | -22.4 | Peak | Horizontal |
| | 11905.5 | 49.5 | -2.5 | 46.9 | 74.0 | -27.1 | Peak | Horizontal |
| | 15875.0 | 46.1 | 4.2 | 50.3 | 74.0 | -23.7 | Peak | Horizontal |
| * | 16759.0 | 45.7 | 6.3 | 52.0 | 68.2 | -16.2 | Peak | Horizontal |
| * | 10154.5 | 50.2 | -3.7 | 46.5 | 68.2 | -21.7 | Peak | Vertical |
| | 11106.5 | 49.5 | -3.3 | 46.2 | 74.0 | -27.8 | Peak | Vertical |
| | 15586.0 | 45.2 | 4.5 | 49.7 | 74.0 | -24.3 | Peak | Vertical |
| * | 16776.0 | 46.3 | 5.9 | 52.2 | 68.2 | -16.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 44 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10180.0 | 50.3 | -4.1 | 46.3 | 68.2 | -21.9 | Peak | Horizontal |
| | 12296.5 | 49.1 | -2.3 | 46.8 | 74.0 | -27.2 | Peak | Horizontal |
| | 13962.5 | 48.1 | 0.6 | 48.6 | 68.2 | -19.6 | Peak | Horizontal |
| * | 15560.5 | 45.9 | 3.8 | 49.7 | 74.0 | -24.3 | Peak | Horizontal |
| * | 10375.5 | 47.7 | -3.5 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 12092.5 | 47.1 | -2.3 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 14141.0 | 45.3 | 1.7 | 47.0 | 68.2 | -21.2 | Peak | Vertical |
| * | 15917.5 | 44.0 | 4.9 | 49.0 | 74.0 | -25.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 48 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 11846.0 | 47.9 | -2.5 | 45.5 | 74.0 | -28.6 | Peak | Horizontal |
| | 13019.0 | 46.8 | -1.0 | 45.7 | 68.2 | -22.5 | Peak | Horizontal |
| | 13869.0 | 46.2 | 1.1 | 47.2 | 68.2 | -21.0 | Peak | Horizontal |
| * | 15577.5 | 43.8 | 4.3 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 9959.0 | 47.5 | -3.6 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| | 12449.5 | 47.4 | -2.1 | 45.2 | 74.0 | -28.8 | Peak | Vertical |
| | 14124.0 | 45.7 | 1.2 | 46.9 | 68.2 | -21.3 | Peak | Vertical |
| * | 15713.5 | 44.5 | 3.9 | 48.3 | 74.0 | -25.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 52 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11472.0 | 46.9 | -2.8 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| * | 12874.5 | 47.0 | -1.6 | 45.4 | 68.2 | -22.8 | Peak | Horizontal |
| * | 13860.5 | 45.9 | 0.6 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| | 15560.5 | 44.2 | 3.8 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| | 11616.5 | 46.7 | -3.2 | 43.5 | 74.0 | -30.5 | Peak | Vertical |
| * | 14234.5 | 45.9 | 0.5 | 46.4 | 68.2 | -21.8 | Peak | Vertical |
| * | 14991.0 | 44.7 | 3.3 | 47.9 | 68.2 | -20.3 | Peak | Vertical |
| | 15798.5 | 43.9 | 4.0 | 47.9 | 74.0 | -26.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 60 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11693.0 | 48.0 | -2.6 | 45.4 | 74.0 | -28.6 | Peak | Horizontal |
| * | 13767.0 | 45.3 | 0.8 | 46.1 | 68.2 | -22.1 | Peak | Horizontal |
| * | 14889.0 | 44.6 | 2.8 | 47.4 | 68.2 | -20.8 | Peak | Horizontal |
| | 15926.0 | 43.5 | 5.4 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| | 11616.5 | 47.1 | -3.2 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| * | 13741.5 | 45.9 | 0.4 | 46.3 | 68.2 | -21.9 | Peak | Vertical |
| * | 14863.5 | 45.1 | 2.6 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| | 15926.0 | 43.8 | 5.4 | 49.2 | 74.0 | -24.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 64 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11880.0 | 47.7 | -2.7 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| * | 13869.0 | 45.4 | 1.1 | 46.5 | 68.2 | -21.7 | Peak | Horizontal |
| * | 14965.5 | 44.6 | 2.8 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 11897.0 | 47.8 | -2.5 | 45.3 | 74.0 | -28.7 | Peak | Vertical |
| * | 13877.5 | 46.7 | 0.7 | 47.4 | 68.2 | -20.8 | Peak | Vertical |
| | 15577.5 | 43.7 | 4.3 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 16640.0 | 44.7 | 6.4 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 100 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11480.5 | 47.3 | -2.9 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| * | 13801.0 | 46.3 | 0.0 | 46.3 | 68.2 | -21.9 | Peak | Horizontal |
| * | 14736.0 | 44.9 | 2.7 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| | 15807.0 | 43.9 | 4.8 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| | 12135.0 | 47.0 | -2.7 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| * | 13767.0 | 45.6 | 0.8 | 46.4 | 68.2 | -21.8 | Peak | Vertical |
| * | 14753.0 | 46.2 | 2.9 | 49.0 | 68.2 | -19.2 | Peak | Vertical |
| | 15926.0 | 43.3 | 5.4 | 48.7 | 74.0 | -25.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 116 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11888.5 | 47.6 | -2.6 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| * | 14736.0 | 45.4 | 2.7 | 48.1 | 68.2 | -20.1 | Peak | Horizontal |
| | 15484.0 | 44.3 | 3.8 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| * | 16521.0 | 43.9 | 5.5 | 49.3 | 68.2 | -18.9 | Peak | Horizontal |
| | 11939.5 | 47.3 | -2.4 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| * | 14736.0 | 44.9 | 2.7 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| | 15807.0 | 43.9 | 4.8 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 16937.5 | 43.7 | 7.2 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 120 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11217.0 | 47.7 | -3.1 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| * | 14974.0 | 44.6 | 3.2 | 47.8 | 68.2 | -20.4 | Peak | Horizontal |
| | 15705.0 | 44.2 | 4.0 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16929.0 | 43.1 | 7.2 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| | 11684.5 | 47.0 | -3.0 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| * | 13733.0 | 46.0 | 0.6 | 46.6 | 68.2 | -21.6 | Peak | Vertical |
| * | 14413.0 | 46.1 | 1.6 | 47.6 | 68.2 | -20.6 | Peak | Vertical |
| | 15807.0 | 44.5 | 4.8 | 49.2 | 74.0 | -24.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 140 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11888.5 | 47.5 | -2.6 | 44.9 | 74.0 | -29.1 | Peak | Horizontal |
| * | 13869.0 | 45.6 | 1.1 | 46.7 | 68.2 | -21.5 | Peak | Horizontal |
| * | 14744.5 | 45.3 | 2.8 | 48.0 | 68.2 | -20.2 | Peak | Horizontal |
| | 15926.0 | 43.5 | 5.4 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| | 11812.0 | 47.3 | -2.6 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| * | 13869.0 | 46.6 | 1.1 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| * | 15067.5 | 45.2 | 2.5 | 47.7 | 68.2 | -20.5 | Peak | Vertical |
| | 15569.0 | 44.6 | 4.2 | 48.8 | 74.0 | -25.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 144 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11463.5 | 48.9 | -3.1 | 45.8 | 74.0 | -28.2 | Peak | Horizontal |
| * | 13767.0 | 46.5 | 0.8 | 47.3 | 68.2 | -20.9 | Peak | Horizontal |
| | 15586.0 | 44.4 | 4.5 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 16929.0 | 44.8 | 7.2 | 52.0 | 68.2 | -16.2 | Peak | Horizontal |
| | 12228.5 | 47.0 | -2.4 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| * | 13750.0 | 46.0 | 0.2 | 46.2 | 68.2 | -22.0 | Peak | Vertical |
| | 15926.0 | 43.4 | 5.4 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 16631.5 | 44.3 | 6.0 | 50.3 | 68.2 | -17.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 149 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11497.5 | 49.2 | -2.9 | 46.3 | 74.0 | -27.7 | Peak | Horizontal |
| * | 14141.0 | 45.7 | 1.7 | 47.4 | 68.2 | -20.8 | Peak | Horizontal |
| | 15815.5 | 45.1 | 4.0 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 17235.0 | 46.6 | 7.5 | 54.1 | 68.2 | -14.1 | Peak | Horizontal |
| | 11489.0 | 50.6 | -3.0 | 47.6 | 74.0 | -26.4 | Peak | Vertical |
| * | 14982.5 | 44.7 | 3.2 | 47.9 | 68.2 | -20.3 | Peak | Vertical |
| | 15569.0 | 44.7 | 4.2 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 17226.5 | 52.4 | 6.9 | 59.4 | 68.2 | -8.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 157 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11574.0 | 52.6 | -3.2 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
| * | 14863.5 | 45.4 | 2.6 | 47.9 | 68.2 | -20.3 | Peak | Horizontal |
| | 15586.0 | 44.1 | 4.5 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 17354.0 | 47.0 | 6.9 | 54.0 | 68.2 | -14.2 | Peak | Horizontal |
| | 11574.0 | 54.6 | -3.2 | 51.4 | 74.0 | -22.6 | Peak | Vertical |
| | 11574.0 | 43.7 | -3.2 | 40.5 | 54.0 | -13.5 | Average | Vertical |
| * | 14974.0 | 44.9 | 3.2 | 48.1 | 68.2 | -20.1 | Peak | Vertical |
| | 15926.0 | 44.0 | 5.4 | 49.4 | 74.0 | -24.6 | Peak | Vertical |
| * | 17354.0 | 46.9 | 6.9 | 53.8 | 68.2 | -14.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT20 – Ant 0+1+2+3 Channel 165 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| | 11650.5 | 49.5 | -2.8 | 46.7 | 74.0 | -27.3 | Peak | Horizontal |
| * | 14430.0 | 45.9 | 1.7 | 47.6 | 68.2 | -20.6 | Peak | Horizontal |
| | 15577.5 | 44.4 | 4.3 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 16937.5 | 43.3 | 7.2 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| | 11659.0 | 51.7 | -2.6 | 49.1 | 74.0 | -24.9 | Peak | Vertical |
| * | 14132.5 | 45.3 | 1.4 | 46.8 | 68.2 | -21.4 | Peak | Vertical |
| | 15807.0 | 43.7 | 4.8 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 16767.5 | 43.8 | 6.1 | 49.9 | 68.2 | -18.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 38 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10112.0 | 47.9 | -3.7 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11897.0 | 48.1 | -2.5 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 15807.0 | 43.7 | 4.8 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| * | 17243.5 | 43.8 | 7.4 | 51.1 | 68.2 | -17.1 | Peak | Horizontal |
| * | 10112.0 | 47.9 | -3.7 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 12220.0 | 47.3 | -2.2 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 15926.0 | 43.1 | 5.4 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 17226.5 | 43.8 | 6.9 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 46 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10103.5 | 48.2 | -3.9 | 44.4 | 68.2 | -23.8 | Peak | Horizontal |
| | 11931.0 | 46.9 | -2.6 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 15628.5 | 45.7 | 3.2 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 17243.5 | 45.2 | 7.4 | 52.6 | 68.2 | -15.6 | Peak | Horizontal |
| * | 10205.5 | 48.5 | -3.9 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| | 10826.0 | 48.0 | -3.6 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 15841.0 | 45.0 | 3.8 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 17141.5 | 44.1 | 6.6 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 54 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10154.5 | 48.0 | -3.7 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11557.0 | 47.5 | -3.2 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15807.0 | 44.0 | 4.8 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 17133.0 | 43.9 | 6.7 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10537.0 | 48.6 | -3.2 | 45.4 | 68.2 | -22.8 | Peak | Vertical |
| | 11939.5 | 47.1 | -2.4 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15934.5 | 44.0 | 4.4 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 16733.5 | 44.2 | 6.4 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 62 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10129.0 | 47.7 | -3.5 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11013.0 | 47.8 | -3.5 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15926.0 | 42.9 | 5.4 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 17124.5 | 44.2 | 6.6 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10528.5 | 47.7 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 12143.5 | 47.5 | -2.6 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| | 15917.5 | 44.0 | 4.9 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16742.0 | 43.9 | 6.6 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 102 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.6 | -3.5 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11939.5 | 48.1 | -2.4 | 45.7 | 74.0 | -28.3 | Peak | Horizontal |
| | 15560.5 | 44.6 | 3.8 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16640.0 | 44.7 | 6.4 | 51.0 | 68.2 | -17.2 | Peak | Horizontal |
| * | 9891.0 | 48.5 | -4.0 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| | 11888.5 | 47.1 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15917.5 | 43.7 | 4.9 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 16657.0 | 45.0 | 5.6 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 110 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10350.0 | 48.2 | -3.4 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 11863.0 | 47.5 | -2.8 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15577.5 | 43.8 | 4.3 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 16929.0 | 44.4 | 7.2 | 51.6 | 68.2 | -16.6 | Peak | Horizontal |
| * | 10120.5 | 47.5 | -3.6 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| | 11744.0 | 46.8 | -2.8 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| | 15917.5 | 43.5 | 4.9 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 17252.0 | 43.4 | 7.3 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 118 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10112.0 | 47.7 | -3.7 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 12220.0 | 46.9 | -2.2 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 15926.0 | 43.8 | 5.4 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 17371.0 | 44.3 | 6.9 | 51.2 | 68.2 | -17.0 | Peak | Horizontal |
| * | 10154.5 | 47.3 | -3.7 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 12356.0 | 46.5 | -2.1 | 44.4 | 74.0 | -29.6 | Peak | Vertical |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 17337.0 | 42.8 | 7.9 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 134 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9721.0 | 48.4 | -4.4 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11650.5 | 47.1 | -2.8 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 15577.5 | 43.6 | 4.3 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| * | 17031.0 | 45.6 | 5.8 | 51.4 | 68.2 | -16.8 | Peak | Horizontal |
| * | 10163.0 | 48.1 | -3.9 | 44.2 | 68.2 | -24.0 | Peak | Vertical |
| | 11948.0 | 46.9 | -2.2 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15569.0 | 44.7 | 4.2 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16750.5 | 44.2 | 6.5 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 142 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10154.5 | 47.7 | -3.7 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 11727.0 | 46.9 | -2.4 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 15577.5 | 44.4 | 4.3 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 17345.5 | 43.4 | 7.4 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 9755.0 | 47.8 | -4.1 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 12339.0 | 47.1 | -2.2 | 44.9 | 74.0 | -29.1 | Peak | Vertical |
| | 15577.5 | 44.4 | 4.3 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 17133.0 | 43.8 | 6.7 | 50.5 | 68.2 | -17.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10061.0 | 49.1 | -4.2 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| | 11497.5 | 51.3 | -2.9 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| | 15586.0 | 43.8 | 4.5 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 17226.5 | 53.7 | 6.9 | 60.6 | 68.2 | -7.6 | Peak | Horizontal |
| * | 10137.5 | 48.3 | -3.5 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 11489.0 | 48.6 | -3.0 | 45.6 | 74.0 | -28.4 | Peak | Vertical |
| | 15807.0 | 43.8 | 4.8 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 17226.5 | 52.5 | 6.9 | 59.5 | 68.2 | -8.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11n-HT40 – Ant 0+1+2+3 Channel 159 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10163.0 | 47.7 | -3.9 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11591.0 | 54.3 | -3.3 | 50.9 | 74.0 | -23.1 | Peak | Horizontal |
| | 11591.0 | 42.4 | -3.3 | 39.1 | 54.0 | -14.9 | Average | Horizontal |
| | 15917.5 | 43.9 | 4.9 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 17388.0 | 47.1 | 6.5 | 53.6 | 68.2 | -14.6 | Peak | Horizontal |
| * | 9967.5 | 48.1 | -3.9 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 11591.0 | 54.2 | -3.3 | 50.9 | 74.0 | -23.1 | Peak | Vertical |
| | 11591.0 | 43.2 | -3.3 | 39.9 | 54.0 | -14.1 | Average | Vertical |
| | 15526.5 | 45.3 | 2.9 | 48.2 | 74.0 | -25.8 | Peak | Vertical |
| * | 17379.5 | 50.2 | 6.7 | 56.9 | 68.2 | -11.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 36 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10154.5 | 48.0 | -3.7 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11803.5 | 48.1 | -2.9 | 45.2 | 74.0 | -28.8 | Peak | Horizontal |
| | 15926.0 | 44.5 | 5.4 | 49.9 | 74.0 | -24.1 | Peak | Horizontal |
| * | 17362.5 | 44.3 | 6.9 | 51.2 | 68.2 | -17.0 | Peak | Horizontal |
| * | 10154.5 | 48.9 | -3.7 | 45.2 | 68.2 | -23.0 | Peak | Vertical |
| | 12084.0 | 46.8 | -2.2 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15586.0 | 43.6 | 4.5 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 16920.5 | 43.8 | 6.4 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 44 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10180.0 | 48.5 | -4.1 | 44.5 | 68.2 | -23.7 | Peak | Horizontal |
| | 12211.5 | 47.3 | -2.3 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15926.0 | 43.4 | 5.4 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 17031.0 | 45.0 | 5.8 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10154.5 | 48.1 | -3.7 | 44.4 | 68.2 | -23.8 | Peak | Vertical |
| | 11514.5 | 47.4 | -2.9 | 44.5 | 74.0 | -29.5 | Peak | Vertical |
| | 15560.5 | 43.0 | 3.8 | 46.8 | 74.0 | -27.2 | Peak | Vertical |
| * | 16334.0 | 45.2 | 4.8 | 49.9 | 68.2 | -18.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 48 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 48.4 | -3.5 | 44.9 | 68.2 | -23.3 | Peak | Horizontal |
| | 12126.5 | 47.3 | -2.8 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15917.5 | 43.8 | 4.9 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 17014.0 | 44.5 | 5.9 | 50.4 | 68.2 | -17.8 | Peak | Horizontal |
| * | 9959.0 | 47.2 | -3.6 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 11820.5 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 15807.0 | 44.8 | 4.8 | 49.5 | 74.0 | -24.5 | Peak | Vertical |
| * | 16640.0 | 44.2 | 6.4 | 50.6 | 68.2 | -17.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 52 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 46.6 | -3.5 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| | 11854.5 | 46.2 | -2.7 | 43.5 | 74.0 | -30.5 | Peak | Horizontal |
| | 15807.0 | 43.1 | 4.8 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| * | 16937.5 | 43.0 | 7.2 | 50.2 | 68.2 | -18.0 | Peak | Horizontal |
| * | 10154.5 | 46.9 | -3.7 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| | 12092.5 | 46.1 | -2.3 | 43.8 | 74.0 | -30.2 | Peak | Vertical |
| | 15577.5 | 43.0 | 4.3 | 47.3 | 74.0 | -26.7 | Peak | Vertical |
| * | 16920.5 | 43.9 | 6.4 | 50.3 | 68.2 | -17.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 60 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10384.0 | 46.8 | -3.5 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| | 11565.5 | 46.8 | -3.2 | 43.6 | 74.0 | -30.4 | Peak | Horizontal |
| | 15696.5 | 44.4 | 4.0 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 17226.5 | 43.2 | 6.9 | 50.1 | 68.2 | -18.1 | Peak | Horizontal |
| * | 10528.5 | 46.2 | -3.5 | 42.7 | 68.2 | -25.5 | Peak | Vertical |
| | 11939.5 | 46.1 | -2.4 | 43.6 | 74.0 | -30.4 | Peak | Vertical |
| | 15688.0 | 44.3 | 3.9 | 48.2 | 74.0 | -25.8 | Peak | Vertical |
| * | 17566.5 | 43.2 | 7.2 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 64 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10358.5 | 47.6 | -3.4 | 44.2 | 68.2 | -24.0 | Peak | Horizontal |
| | 11846.0 | 46.2 | -2.5 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 15696.5 | 44.3 | 4.0 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 17260.5 | 42.8 | 7.1 | 50.0 | 68.2 | -18.2 | Peak | Horizontal |
| * | 10333.0 | 47.4 | -4.6 | 42.9 | 68.2 | -25.3 | Peak | Vertical |
| | 11990.5 | 46.2 | -2.7 | 43.5 | 74.0 | -30.5 | Peak | Vertical |
| | 15807.0 | 43.1 | 4.8 | 47.9 | 74.0 | -26.1 | Peak | Vertical |
| * | 17337.0 | 42.2 | 7.9 | 50.1 | 68.2 | -18.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 100 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 46.1 | -3.5 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| | 11149.0 | 47.4 | -3.3 | 44.1 | 74.0 | -29.9 | Peak | Horizontal |
| | 15807.0 | 43.1 | 4.8 | 47.9 | 74.0 | -26.1 | Peak | Horizontal |
| * | 17337.0 | 41.8 | 7.9 | 49.7 | 68.2 | -18.5 | Peak | Horizontal |
| * | 10197.0 | 47.1 | -3.9 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| | 11735.5 | 46.0 | -2.6 | 43.4 | 74.0 | -30.6 | Peak | Vertical |
| | 15586.0 | 42.5 | 4.5 | 47.0 | 74.0 | -27.0 | Peak | Vertical |
| * | 16929.0 | 42.4 | 7.2 | 49.6 | 68.2 | -18.6 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 116 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9644.5 | 46.8 | -4.4 | 42.5 | 68.2 | -25.7 | Peak | Horizontal |
| | 11727.0 | 46.1 | -2.4 | 43.7 | 74.0 | -30.3 | Peak | Horizontal |
| | 15917.5 | 42.2 | 4.9 | 47.1 | 74.0 | -26.9 | Peak | Horizontal |
| * | 17235.0 | 42.0 | 7.5 | 49.4 | 68.2 | -18.8 | Peak | Horizontal |
| * | 10367.0 | 46.6 | -3.4 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| | 12262.5 | 45.3 | -2.3 | 43.0 | 74.0 | -31.0 | Peak | Vertical |
| | 15926.0 | 42.0 | 5.4 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| * | 16733.5 | 43.5 | 6.4 | 49.9 | 68.2 | -18.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 120 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10205.5 | 47.3 | -3.9 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| | 12432.5 | 46.0 | -2.2 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 15798.5 | 42.9 | 4.0 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| * | 17345.5 | 42.8 | 7.4 | 50.3 | 68.2 | -17.9 | Peak | Horizontal |
| * | 9993.0 | 47.2 | -4.2 | 43.0 | 68.2 | -25.2 | Peak | Vertical |
| | 11837.5 | 46.1 | -2.6 | 43.5 | 74.0 | -30.5 | Peak | Vertical |
| | 15713.5 | 44.2 | 3.9 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| * | 17337.0 | 42.3 | 7.9 | 50.2 | 68.2 | -18.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 140 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10001.5 | 47.3 | -4.1 | 43.1 | 68.2 | -25.1 | Peak | Horizontal |
| | 12500.5 | 47.5 | -1.9 | 45.6 | 74.0 | -28.4 | Peak | Horizontal |
| | 15705.0 | 43.7 | 4.0 | 47.7 | 74.0 | -26.3 | Peak | Horizontal |
| * | 17235.0 | 42.4 | 7.5 | 49.8 | 68.2 | -18.4 | Peak | Horizontal |
| * | 10146.0 | 46.8 | -3.5 | 43.2 | 68.2 | -25.0 | Peak | Vertical |
| | 11820.5 | 46.5 | -2.6 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| | 15807.0 | 43.3 | 4.8 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| * | 17107.5 | 44.1 | 6.6 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 144 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10112.0 | 47.8 | -3.7 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11574.0 | 47.2 | -3.2 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| | 15739.0 | 45.1 | 3.3 | 48.5 | 74.0 | -25.5 | Peak | Horizontal |
| * | 17243.5 | 43.4 | 7.4 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10528.5 | 47.5 | -3.5 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11234.0 | 46.7 | -3.0 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| | 15926.0 | 42.8 | 5.4 | 48.2 | 74.0 | -25.8 | Peak | Vertical |
| * | 17337.0 | 42.7 | 7.9 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 149 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9738.0 | 47.1 | -4.1 | 43.0 | 68.2 | -25.2 | Peak | Horizontal |
| | 11497.5 | 49.0 | -2.9 | 46.1 | 74.0 | -27.9 | Peak | Horizontal |
| | 15688.0 | 44.2 | 3.9 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| * | 17226.5 | 47.0 | 6.9 | 53.9 | 68.2 | -14.3 | Peak | Horizontal |
| * | 10452.0 | 47.0 | -3.7 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| | 11480.5 | 47.9 | -2.9 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 15577.5 | 44.2 | 4.3 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 17218.0 | 48.5 | 6.4 | 54.9 | 68.2 | -13.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 157 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9772.0 | 48.3 | -4.2 | 44.1 | 68.2 | -24.1 | Peak | Horizontal |
| | 11565.5 | 51.2 | -3.2 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| | 15926.0 | 42.7 | 5.4 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| * | 17354.0 | 44.9 | 6.9 | 51.9 | 68.2 | -16.3 | Peak | Horizontal |
| * | 10129.0 | 46.5 | -3.5 | 43.0 | 68.2 | -25.2 | Peak | Vertical |
| | 11574.0 | 53.5 | -3.2 | 50.3 | 74.0 | -23.7 | Peak | Vertical |
| | 11574.0 | 42.1 | -3.2 | 38.9 | 54.0 | -15.1 | Average | Vertical |
| | 15807.0 | 42.9 | 4.8 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
| * | 17354.0 | 47.3 | 6.9 | 54.2 | 68.2 | -14.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/13 | Test Mode | 802.11ac-VHT20 – Ant 0+1+2+3 Channel 165 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 46.9 | -3.5 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| | 11650.5 | 53.6 | -2.8 | 50.7 | 74.0 | -23.3 | Peak | Horizontal |
| | 11650.5 | 41.5 | -2.8 | 38.7 | 54.0 | -15.3 | Average | Horizontal |
| | 15688.0 | 44.4 | 3.9 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 17473.0 | 47.4 | 6.7 | 54.2 | 68.2 | -14.0 | Peak | Horizontal |
| * | 10154.5 | 47.8 | -3.7 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11659.0 | 51.2 | -2.6 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| | 15586.0 | 43.9 | 4.5 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 17464.5 | 49.4 | 6.4 | 55.8 | 68.2 | -12.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 38 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10146.0 | 47.2 | -3.5 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 11939.5 | 46.4 | -2.4 | 44.0 | 74.0 | -30.0 | Peak | Horizontal |
| | 16011.0 | 44.3 | 3.8 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| * | 16759.0 | 43.9 | 6.3 | 50.2 | 68.2 | -18.0 | Peak | Horizontal |
| * | 9738.0 | 47.4 | -4.1 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| | 11931.0 | 46.2 | -2.6 | 43.6 | 74.0 | -30.4 | Peak | Vertical |
| | 15705.0 | 43.6 | 4.0 | 47.7 | 74.0 | -26.3 | Peak | Vertical |
| * | 16844.0 | 44.3 | 6.3 | 50.5 | 68.2 | -17.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 46 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10154.5 | 48.4 | -3.7 | 44.7 | 68.2 | -23.5 | Peak | Horizontal |
| | 11293.5 | 47.2 | -3.2 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 15713.5 | 44.4 | 3.9 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 17073.5 | 44.5 | 6.1 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 9891.0 | 47.5 | -4.0 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| | 12211.5 | 46.6 | -2.3 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15577.5 | 43.6 | 4.3 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 17099.0 | 44.0 | 6.7 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 54 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10112.0 | 47.3 | -3.7 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 11761.0 | 46.6 | -2.9 | 43.7 | 74.0 | -30.3 | Peak | Horizontal |
| | 15807.0 | 43.4 | 4.8 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 16750.5 | 43.6 | 6.5 | 50.1 | 68.2 | -18.1 | Peak | Horizontal |
| * | 10112.0 | 47.2 | -3.7 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| | 11795.0 | 47.1 | -3.2 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| | 15705.0 | 44.3 | 4.0 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 16733.5 | 44.5 | 6.4 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 62 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10010.0 | 47.3 | -4.1 | 43.2 | 68.2 | -25.0 | Peak | Horizontal |
| | 12024.5 | 47.6 | -3.0 | 44.7 | 74.0 | -29.3 | Peak | Horizontal |
| | 15722.0 | 45.6 | 3.7 | 49.3 | 74.0 | -24.7 | Peak | Horizontal |
| * | 16742.0 | 44.0 | 6.6 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 9984.5 | 47.2 | -4.1 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| | 12271.0 | 46.5 | -2.2 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15926.0 | 43.1 | 5.4 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 16946.0 | 43.8 | 7.2 | 51.0 | 68.2 | -17.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 102 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10214.0 | 47.8 | -4.0 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11948.0 | 46.8 | -2.2 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15560.5 | 43.5 | 3.8 | 47.2 | 74.0 | -26.8 | Peak | Horizontal |
| * | 17226.5 | 43.6 | 6.9 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10163.0 | 47.2 | -3.9 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| | 11370.0 | 46.6 | -2.6 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16631.5 | 44.3 | 6.0 | 50.3 | 68.2 | -17.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 110 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 47.4 | -3.5 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11480.5 | 46.8 | -2.9 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 15560.5 | 45.2 | 3.8 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| * | 16750.5 | 43.6 | 6.5 | 50.1 | 68.2 | -18.1 | Peak | Horizontal |
| * | 10545.5 | 47.9 | -3.5 | 44.5 | 68.2 | -23.7 | Peak | Vertical |
| | 12517.5 | 45.9 | -1.9 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 15586.0 | 43.9 | 4.5 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 17575.0 | 43.4 | 7.1 | 50.5 | 68.2 | -17.7 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 118 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10350.0 | 46.7 | -3.4 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| | 12339.0 | 46.6 | -2.2 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15560.5 | 43.3 | 3.8 | 47.0 | 74.0 | -27.0 | Peak | Horizontal |
| * | 16937.5 | 43.3 | 7.2 | 50.5 | 68.2 | -17.7 | Peak | Horizontal |
| * | 9865.5 | 47.6 | -4.7 | 43.0 | 68.2 | -25.2 | Peak | Vertical |
| | 11659.0 | 46.3 | -2.6 | 43.7 | 74.0 | -30.3 | Peak | Vertical |
| | 15586.0 | 43.5 | 4.5 | 48.0 | 74.0 | -26.0 | Peak | Vertical |
| * | 16640.0 | 44.6 | 6.4 | 51.0 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 134 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9959.0 | 47.4 | -3.6 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| | 11948.0 | 46.5 | -2.2 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15926.0 | 44.0 | 5.4 | 49.4 | 74.0 | -24.6 | Peak | Horizontal |
| * | 17337.0 | 44.2 | 7.9 | 52.1 | 68.2 | -16.1 | Peak | Horizontal |
| * | 9899.5 | 47.2 | -3.9 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| | 12101.0 | 47.1 | -2.4 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15926.0 | 43.4 | 5.4 | 48.8 | 74.0 | -25.2 | Peak | Vertical |
| * | 16538.0 | 43.8 | 6.2 | 50.0 | 68.2 | -18.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 142 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9738.0 | 47.3 | -4.1 | 43.2 | 68.2 | -25.0 | Peak | Horizontal |
| | 11659.0 | 46.5 | -2.6 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 15926.0 | 42.9 | 5.4 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16937.5 | 42.6 | 7.2 | 49.8 | 68.2 | -18.4 | Peak | Horizontal |
| * | 10086.5 | 47.6 | -4.1 | 43.4 | 68.2 | -24.8 | Peak | Vertical |
| | 11922.5 | 46.9 | -2.6 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15569.0 | 43.9 | 4.2 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| * | 17235.0 | 43.4 | 7.5 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10137.5 | 47.4 | -3.5 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 11497.5 | 49.0 | -2.9 | 46.1 | 74.0 | -27.9 | Peak | Horizontal |
| | 15926.0 | 43.2 | 5.4 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 17235.0 | 49.8 | 7.5 | 57.3 | 68.2 | -10.9 | Peak | Horizontal |
| * | 10290.5 | 47.7 | -4.6 | 43.1 | 68.2 | -25.1 | Peak | Vertical |
| | 11489.0 | 51.3 | -3.0 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| | 15892.0 | 44.8 | 3.5 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 17226.5 | 53.9 | 6.9 | 60.8 | 68.2 | -7.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT40 – Ant 0+1+2+3 Channel 159 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10069.5 | 48.2 | -4.2 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 11574.0 | 52.2 | -3.2 | 49.0 | 74.0 | -25.0 | Peak | Horizontal |
| | 15586.0 | 44.4 | 4.5 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 17345.5 | 45.7 | 7.4 | 53.2 | 68.2 | -15.0 | Peak | Horizontal |
| * | 10537.0 | 47.4 | -3.2 | 44.1 | 68.2 | -24.1 | Peak | Vertical |
| | 11574.0 | 54.9 | -3.2 | 51.7 | 74.0 | -22.3 | Peak | Vertical |
| | 11574.0 | 45.0 | -3.2 | 41.8 | 54.0 | -12.2 | Average | Vertical |
| | 15586.0 | 43.8 | 4.5 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 17345.5 | 46.5 | 7.4 | 54.0 | 68.2 | -14.2 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80 – Ant 0+1+2+3 Channel 42 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10001.5 | 47.9 | -4.1 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| | 12143.5 | 47.4 | -2.6 | 44.7 | 74.0 | -29.3 | Peak | Horizontal |
| | 15807.0 | 43.5 | 4.8 | 48.2 | 74.0 | -25.8 | Peak | Horizontal |
| * | 17235.0 | 43.3 | 7.5 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 9959.0 | 47.1 | -3.6 | 43.5 | 68.2 | -24.7 | Peak | Vertical |
| | 11106.5 | 48.1 | -3.3 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15577.5 | 44.1 | 4.3 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 16733.5 | 43.5 | 6.4 | 49.9 | 68.2 | -18.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80 – Ant 0+1+2+3 Channel 58 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10095.0 | 48.3 | -4.0 | 44.3 | 68.2 | -23.9 | Peak | Horizontal |
| | 11710.0 | 47.0 | -2.7 | 44.3 | 74.0 | -29.7 | Peak | Horizontal |
| | 15917.5 | 44.3 | 4.9 | 49.2 | 74.0 | -24.8 | Peak | Horizontal |
| * | 17558.0 | 44.6 | 7.2 | 51.8 | 68.2 | -16.4 | Peak | Horizontal |
| * | 10511.5 | 47.1 | -3.5 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 11650.5 | 47.2 | -2.8 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15926.0 | 43.8 | 5.4 | 49.2 | 74.0 | -24.8 | Peak | Vertical |
| * | 17328.5 | 43.9 | 6.8 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80 – Ant 0+1+2+3 Channel 106 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10095.0 | 47.4 | -4.0 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| | 12330.5 | 47.2 | -2.2 | 45.0 | 74.0 | -29.0 | Peak | Horizontal |
| | 15543.5 | 44.9 | 3.2 | 48.1 | 74.0 | -25.9 | Peak | Horizontal |
| * | 16640.0 | 44.3 | 6.4 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 10103.5 | 47.2 | -3.9 | 43.3 | 68.2 | -24.9 | Peak | Vertical |
| | 12194.5 | 46.4 | -2.4 | 44.0 | 74.0 | -30.0 | Peak | Vertical |
| | 15705.0 | 44.5 | 4.0 | 48.5 | 74.0 | -25.5 | Peak | Vertical |
| * | 16946.0 | 44.1 | 7.2 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80 – Ant 0+1+2+3 Channel 122 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10120.5 | 46.9 | -3.6 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| | 11931.0 | 46.5 | -2.6 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 15586.0 | 43.3 | 4.5 | 47.7 | 74.0 | -26.3 | Peak | Horizontal |
| * | 17124.5 | 44.9 | 6.6 | 51.5 | 68.2 | -16.7 | Peak | Horizontal |
| * | 10120.5 | 47.0 | -3.6 | 43.4 | 68.2 | -24.8 | Peak | Vertical |
| | 11106.5 | 48.0 | -3.3 | 44.6 | 74.0 | -29.4 | Peak | Vertical |
| | 16130.0 | 43.8 | 5.1 | 48.9 | 74.0 | -25.1 | Peak | Vertical |
| * | 16742.0 | 44.3 | 6.6 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80 – Ant 0+1+2+3 Channel 138 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10129.0 | 46.8 | -3.5 | 43.3 | 68.2 | -24.9 | Peak | Horizontal |
| | 11684.5 | 46.6 | -3.0 | 43.6 | 74.0 | -30.4 | Peak | Horizontal |
| | 15815.5 | 44.6 | 4.0 | 48.6 | 74.0 | -25.4 | Peak | Horizontal |
| * | 16946.0 | 43.6 | 7.2 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10129.0 | 48.2 | -3.5 | 44.7 | 68.2 | -23.5 | Peak | Vertical |
| | 11914.0 | 46.9 | -2.6 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15815.5 | 44.3 | 4.0 | 48.3 | 74.0 | -25.7 | Peak | Vertical |
| * | 17337.0 | 43.3 | 7.9 | 51.2 | 68.2 | -17.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80 – Ant 0+1+2+3 Channel 155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9899.5 | 47.7 | -3.9 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 12169.0 | 47.0 | -2.2 | 44.8 | 74.0 | -29.2 | Peak | Horizontal |
| | 15679.5 | 44.6 | 3.6 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 17235.0 | 44.4 | 7.5 | 51.9 | 68.2 | -16.3 | Peak | Horizontal |
| * | 10146.0 | 47.8 | -3.5 | 44.3 | 68.2 | -23.9 | Peak | Vertical |
| | 12517.5 | 46.9 | -1.9 | 45.1 | 74.0 | -28.9 | Peak | Vertical |
| | 15577.5 | 44.0 | 4.3 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 17235.0 | 43.0 | 7.5 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+106 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9899.5 | 47.6 | -3.9 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| | 11718.5 | 46.8 | -2.6 | 44.2 | 74.0 | -29.8 | Peak | Horizontal |
| | 15577.5 | 44.4 | 4.3 | 48.8 | 74.0 | -25.2 | Peak | Horizontal |
| * | 17235.0 | 43.4 | 7.5 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 9738.0 | 49.2 | -4.1 | 45.1 | 68.2 | -23.1 | Peak | Vertical |
| | 12160.5 | 47.1 | -2.4 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15807.0 | 43.4 | 4.8 | 48.1 | 74.0 | -25.9 | Peak | Vertical |
| * | 16937.5 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+122 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10010.0 | 47.5 | -4.1 | 43.4 | 68.2 | -24.8 | Peak | Horizontal |
| | 11659.0 | 46.4 | -2.6 | 43.8 | 74.0 | -30.2 | Peak | Horizontal |
| | 15798.5 | 44.7 | 4.0 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 17345.5 | 43.3 | 7.4 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 10129.0 | 47.1 | -3.5 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 11149.0 | 47.6 | -3.3 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15926.0 | 44.4 | 5.4 | 49.8 | 74.0 | -24.2 | Peak | Vertical |
| * | 17337.0 | 42.9 | 7.9 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+134 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9967.5 | 47.6 | -3.9 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 12143.5 | 47.0 | -2.6 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15586.0 | 43.8 | 4.5 | 48.3 | 74.0 | -25.7 | Peak | Horizontal |
| * | 16937.5 | 43.5 | 7.2 | 50.7 | 68.2 | -17.5 | Peak | Horizontal |
| * | 9959.0 | 47.6 | -3.6 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 11693.0 | 46.5 | -2.6 | 43.9 | 74.0 | -30.1 | Peak | Vertical |
| | 15807.0 | 43.6 | 4.8 | 48.4 | 74.0 | -25.6 | Peak | Vertical |
| * | 17337.0 | 42.9 | 7.9 | 50.9 | 68.2 | -17.3 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9984.5 | 47.8 | -4.1 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 11820.5 | 47.2 | -2.6 | 44.6 | 74.0 | -29.4 | Peak | Horizontal |
| | 15586.0 | 44.3 | 4.5 | 48.7 | 74.0 | -25.3 | Peak | Horizontal |
| * | 17243.5 | 43.5 | 7.4 | 50.8 | 68.2 | -17.4 | Peak | Horizontal |
| * | 9908.0 | 47.8 | -3.8 | 44.0 | 68.2 | -24.2 | Peak | Vertical |
| | 10970.5 | 47.4 | -3.3 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| | 15645.5 | 44.5 | 2.9 | 47.4 | 74.0 | -26.6 | Peak | Vertical |
| * | 16929.0 | 43.6 | 7.2 | 50.8 | 68.2 | -17.4 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+106 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10341.5 | 47.7 | -4.0 | 43.7 | 68.2 | -24.5 | Peak | Horizontal |
| | 12543.0 | 47.0 | -2.0 | 45.1 | 74.0 | -28.9 | Peak | Horizontal |
| | 15433.0 | 44.7 | 3.8 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 17235.0 | 43.1 | 7.5 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10273.5 | 48.3 | -4.3 | 43.9 | 68.2 | -24.3 | Peak | Vertical |
| | 11429.5 | 47.5 | -3.3 | 44.3 | 74.0 | -29.7 | Peak | Vertical |
| | 15713.5 | 43.9 | 3.9 | 47.8 | 74.0 | -26.2 | Peak | Vertical |
| * | 16733.5 | 44.9 | 6.4 | 51.3 | 68.2 | -16.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+122 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10341.5 | 48.0 | -4.0 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 11361.5 | 46.6 | -2.6 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 15569.0 | 44.6 | 4.2 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 17209.5 | 44.5 | 6.1 | 50.6 | 68.2 | -17.6 | Peak | Horizontal |
| * | 10146.0 | 47.2 | -3.5 | 43.6 | 68.2 | -24.6 | Peak | Vertical |
| | 11939.5 | 46.6 | -2.4 | 44.2 | 74.0 | -29.8 | Peak | Vertical |
| | 15569.0 | 44.3 | 4.2 | 48.6 | 74.0 | -25.5 | Peak | Vertical |
| * | 17235.0 | 43.7 | 7.5 | 51.2 | 68.2 | -17.0 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+138 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10358.5 | 47.4 | -3.4 | 44.0 | 68.2 | -24.2 | Peak | Horizontal |
| | 11650.5 | 46.7 | -2.8 | 43.9 | 74.0 | -30.1 | Peak | Horizontal |
| | 15815.5 | 44.0 | 4.0 | 48.0 | 74.0 | -26.0 | Peak | Horizontal |
| * | 17337.0 | 43.9 | 7.9 | 51.8 | 68.2 | -16.4 | Peak | Horizontal |
| * | 10350.0 | 48.3 | -3.4 | 44.9 | 68.2 | -23.3 | Peak | Vertical |
| | 11735.5 | 46.7 | -2.6 | 44.1 | 74.0 | -29.9 | Peak | Vertical |
| | 15926.0 | 43.6 | 5.4 | 49.0 | 74.0 | -25.0 | Peak | Vertical |
| * | 16742.0 | 43.8 | 6.6 | 50.4 | 68.2 | -17.8 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10163.0 | 47.7 | -3.9 | 43.8 | 68.2 | -24.4 | Peak | Horizontal |
| | 12220.0 | 46.8 | -2.2 | 44.7 | 74.0 | -29.3 | Peak | Horizontal |
| | 15917.5 | 44.0 | 4.9 | 48.9 | 74.0 | -25.1 | Peak | Horizontal |
| * | 17592.0 | 43.6 | 7.6 | 51.1 | 68.2 | -17.1 | Peak | Horizontal |
| * | 10120.5 | 47.4 | -3.6 | 43.8 | 68.2 | -24.4 | Peak | Vertical |
| | 11948.0 | 47.0 | -2.2 | 44.8 | 74.0 | -29.2 | Peak | Vertical |
| | 15841.0 | 46.8 | 3.8 | 50.6 | 74.0 | -23.4 | Peak | Vertical |
| * | 16929.0 | 43.9 | 7.2 | 51.1 | 68.2 | -17.1 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 106+155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 10188.5 | 47.9 | -4.0 | 43.9 | 68.2 | -24.3 | Peak | Horizontal |
| | 12084.0 | 46.7 | -2.2 | 44.5 | 74.0 | -29.5 | Peak | Horizontal |
| | 15424.5 | 45.0 | 3.3 | 48.3 | 74.0 | -25.8 | Peak | Horizontal |
| * | 16555.0 | 53.4 | 4.5 | 57.9 | 68.2 | -10.3 | Peak | Horizontal |
| * | 10154.5 | 47.4 | -3.7 | 43.7 | 68.2 | -24.5 | Peak | Vertical |
| | 12135.0 | 47.4 | -2.7 | 44.7 | 74.0 | -29.3 | Peak | Vertical |
| | 15815.5 | 44.5 | 4.0 | 48.6 | 74.0 | -25.4 | Peak | Vertical |
| * | 16555.0 | 51.8 | 4.5 | 56.3 | 68.2 | -11.9 | Peak | Vertical |

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

| Test Site | SIP-AC1 | Test Engineer | Kyrie Xie |
|---|---|---|---|
| Test Date | 2022/02/14 | Test Mode | 802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 122+155 |
| Remark | 1. Average measurement was not performed if peak level lower than average limit.<br>2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. | | |

| Mark | Frequency (MHz) | Reading Level (dBμV) | Factor (dB/m) | Measure Level (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector | Polarization |
|---|---|---|---|---|---|---|---|---|
| * | 9908.0 | 47.5 | -3.8 | 43.6 | 68.2 | -24.6 | Peak | Horizontal |
| | 11693.0 | 47.0 | -2.6 | 44.4 | 74.0 | -29.6 | Peak | Horizontal |
| | 15705.0 | 44.3 | 4.0 | 48.4 | 74.0 | -25.6 | Peak | Horizontal |
| * | 16810.0 | 51.2 | 5.3 | 56.5 | 68.2 | -11.7 | Peak | Horizontal |
| * | 9967.5 | 48.7 | -3.9 | 44.8 | 68.2 | -23.4 | Peak | Vertical |
| | 11200.0 | 49.2 | -3.2 | 46.0 | 74.0 | -28.0 | Peak | Vertical |
| | 15594.5 | 44.9 | 3.8 | 48.7 | 74.0 | -25.3 | Peak | Vertical |
| * | 16793.0 | 53.9 | 4.8 | 58.7 | 68.2 | -9.5 | Peak | Vertical |

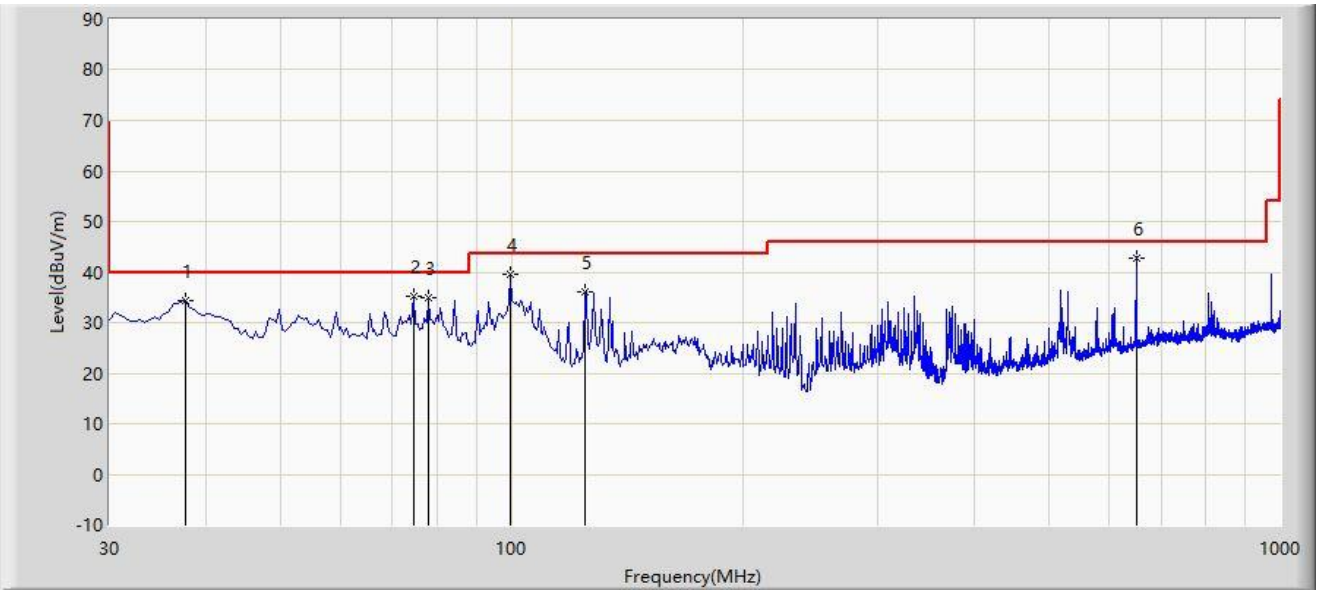
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

**The Result of Radiated Emission below 1GHz:**

| | |
|---|---|
| Site: SIP-AC1 | Time: 2022/02/15 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kyrie Xie |
| Probe: SIP-AC1_VULB 9168 _30-1000MHz | Polarity: Vertical |
| EUT: Wireless Module | Power: By POE |
| **Test Mode:** Transmit at 5795MHz by 802.11ac-VHT40 with Ant0+1+2+3 | |



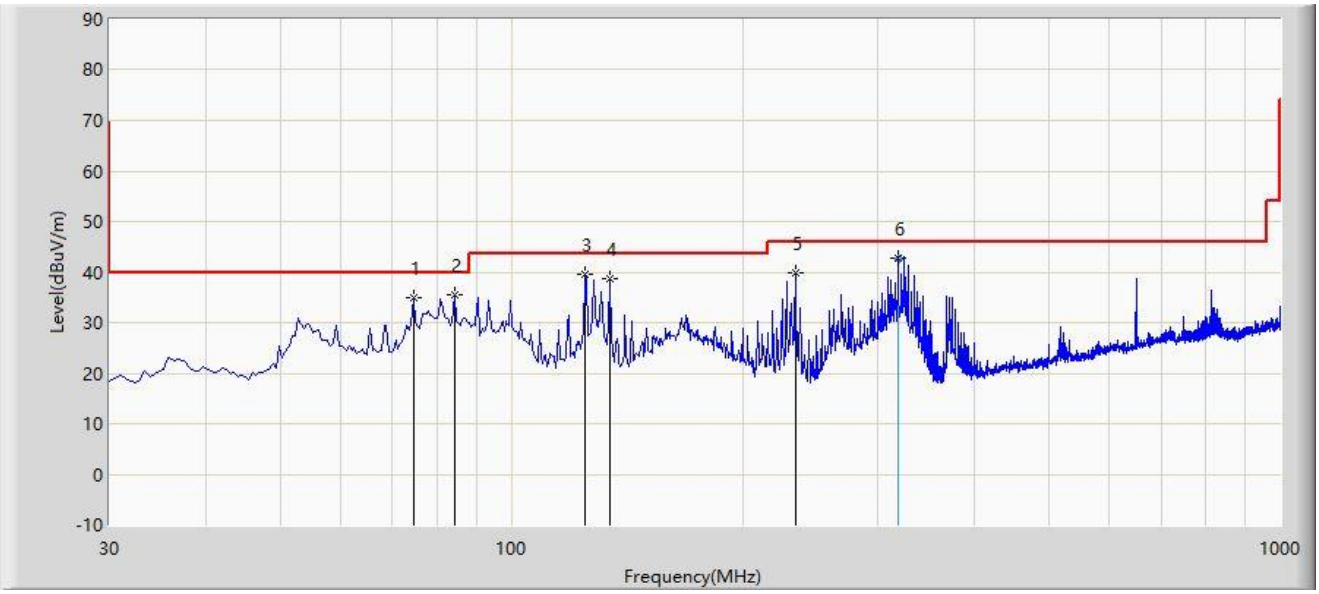

| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 37.760 | 34.468 | 17.354 | -5.532 | 40.000 | 17.114 | PK |
| 2 | | | 74.620 | 35.109 | 20.333 | -4.891 | 40.000 | 14.776 | PK |
| 3 | | | 78.015 | 34.844 | 20.855 | -5.156 | 40.000 | 13.989 | PK |
| 4 | | | 99.840 | 39.434 | 26.139 | -4.066 | 43.500 | 13.295 | PK |
| 5 | | | 124.575 | 36.170 | 20.296 | -7.330 | 43.500 | 15.875 | PK |
| 6 | | * | 649.830 | 42.861 | 16.972 | -3.139 | 46.000 | 25.889 | PK |

Note 1: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

| | |
|---|---|
| Site: SIP-AC1 | Time: 2022/02/15 |
| Limit: FCC_Part15.209_RE(3m) | Engineer: Kyrie Xie |
| Probe: SIP-AC1_VULB 9168 _30-1000MHz | Polarity: Horizontal |
| EUT: Wireless Module | Power: By POE |
| **Test Mode:** Transmit at 5795MHz by 802.11ac-VHT40 with Ant0+1+2+3 | |




| No | Flag | Mark | Frequency (MHz) | Measure Level (dBµV/m) | Reading Level (dBµV) | Margin (dB) | Limit (dBµV/m) | Factor (dB/m) | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 74.620 | 35.064 | 20.288 | -4.936 | 40.000 | 14.776 | PK |
| 2 | | | 84.320 | 35.504 | 22.991 | -4.496 | 40.000 | 12.513 | PK |
| 3 | | | 124.575 | 39.563 | 23.689 | -3.937 | 43.500 | 15.875 | PK |
| 4 | | | 134.275 | 38.706 | 21.834 | -4.794 | 43.500 | 16.872 | PK |
| 5 | | | 234.185 | 39.779 | 24.204 | -6.221 | 46.000 | 15.575 | PK |
| 6 | | * | 318.750 | 42.839 | 23.900 | -3.161 | 46.000 | 18.939 | QP |

Note 1: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

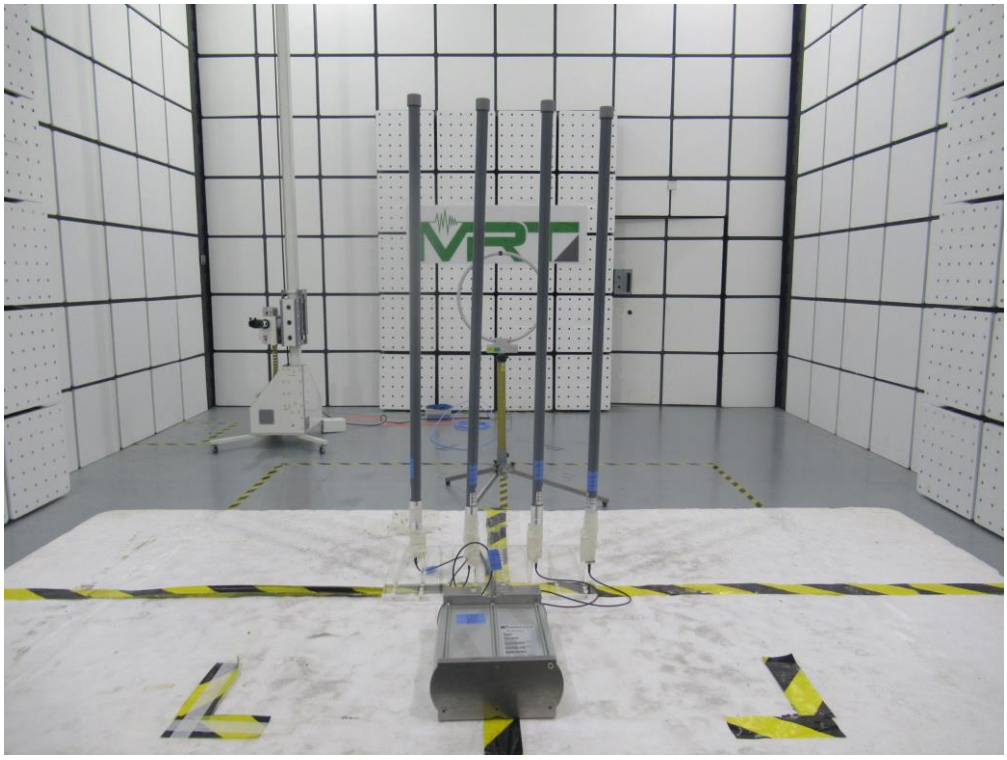
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

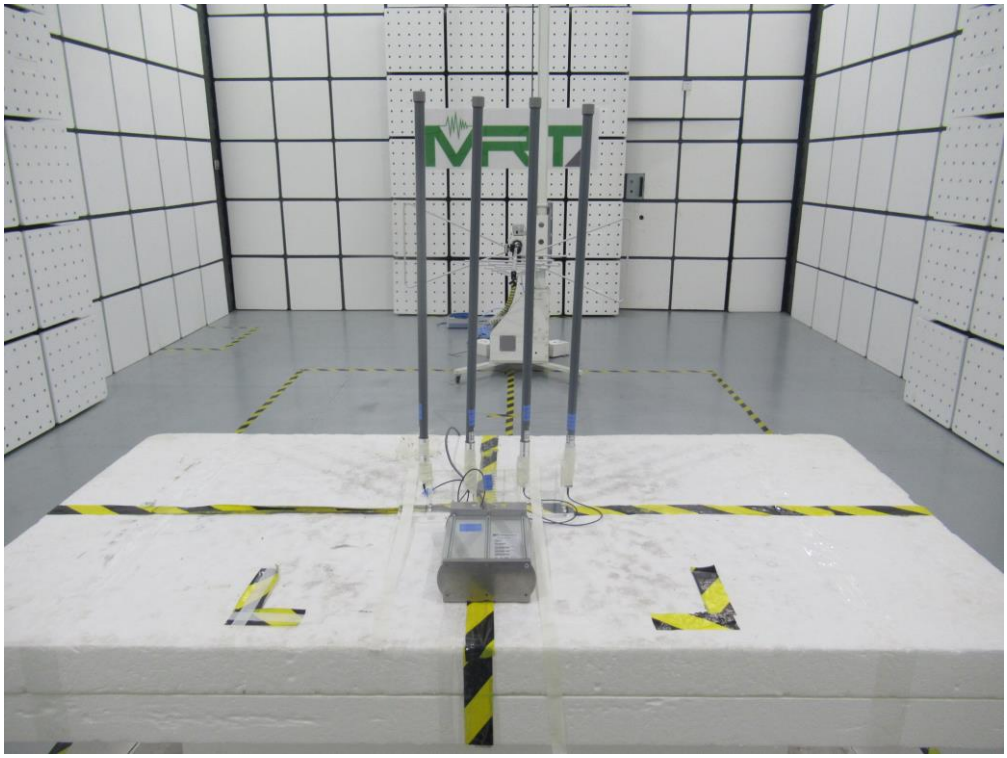
The End

## Appendix A – Test Setup Photograph

Description: Radiated Spurious Emission Test Setup for Below 9k~30MHz

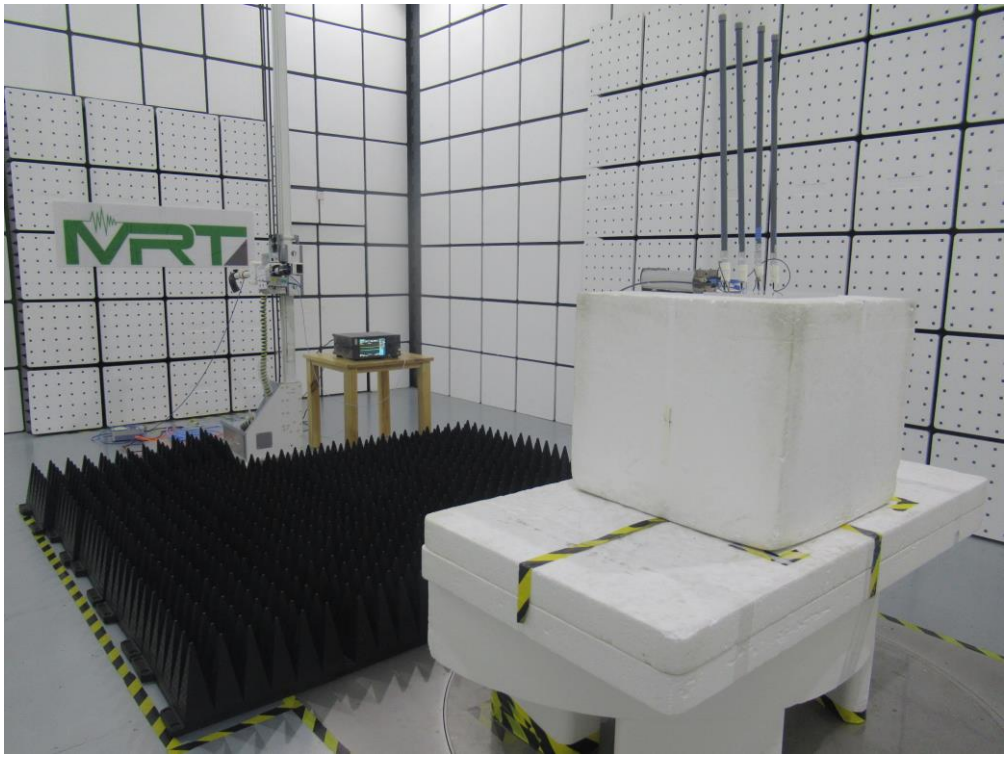


Description: Radiated Spurious Emission Test Setup for 30M~1GHz



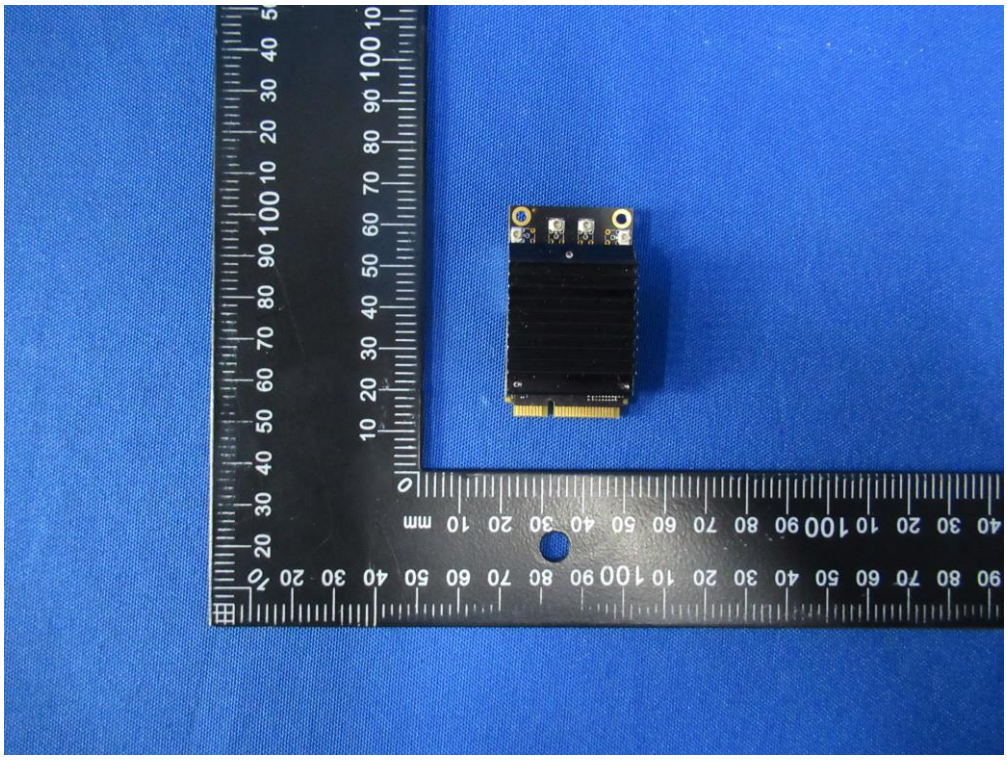
Description: Radiated Spurious Emission Test Setup for 1G~18GHz

Description: Radiated Spurious Emission Test Setup for Above 18GHz

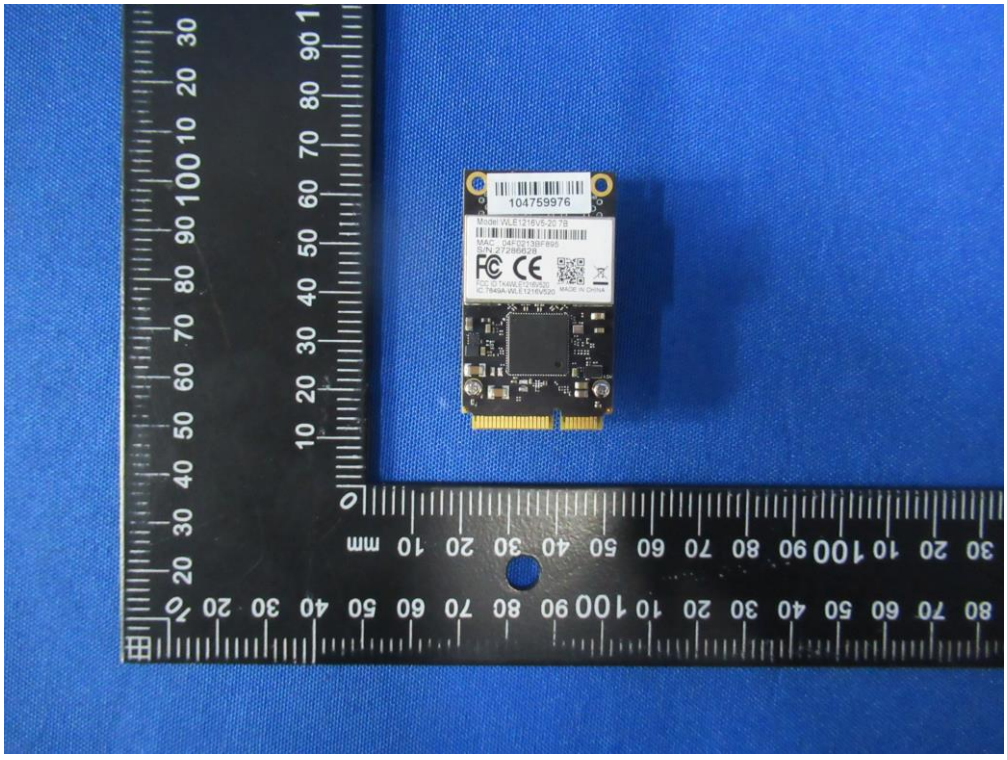


## Appendix B – EUT Photograph

(1) EUT Photo

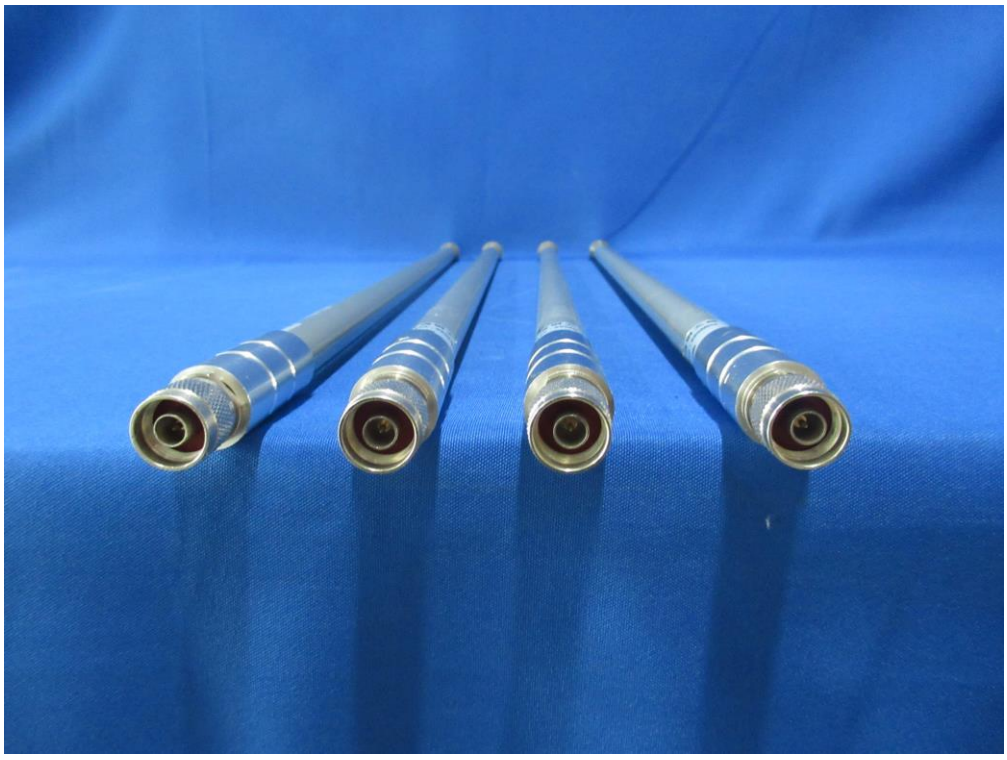


(2) EUT Photo

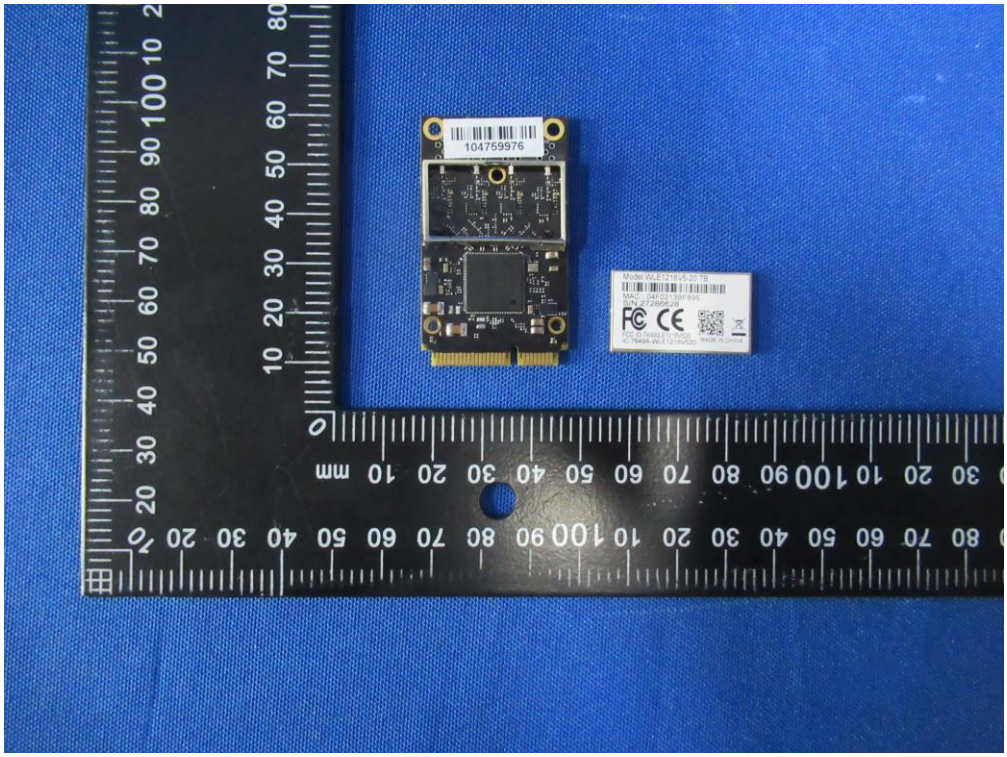


(3) EUT Photo

(4) EUT Photo



(5) EUT Photo



(6) EUT Photo