

Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

# VARIANT FCC TEST REPORT

## (PART 22)

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Applicant: | SIMCom Wireless Solutions Limited                                       |
| Address:   | 8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China |

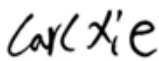
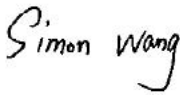
|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Manufacturer or Supplier: | SIMCom Wireless Solutions Limited                                       |
| Address:                  | 8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China |
| Product:                  | SIM7670G                                                                |
| Brand Name:               | SIMCom                                                                  |
| Model Name:               | SIM7670G                                                                |
| FCC ID                    | 2AJYU-8XS0002                                                           |
| Date of tests             | Mar. 04, 2026 ~ Mar. 20, 2026                                           |

The tests have been carried out according to the requirements of the following standard:

☒ FCC PART 22, Subpart H  
☒ ANSI/TIA/EIA-603-D  
☒ ANSI/TIA/EIA-603-E

☒ FCC Part 2  
☒ ANSI C63.26-2015

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Prepared by Carl Xie<br>Engineer / Mobile Department                                | Approved by Simon Wang<br>Manager / Mobile Department                                |
|  |  |
| Date: Mar. 20, 2026                                                                 | Date: Mar. 20, 2026                                                                  |

BOOMWAVE TEST (SHENZHEN) CO., LTD. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. Without written approval of BOOMWAVE TEST (SHENZHEN) CO., LTD., the test report shall not be reproduced except in full.



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## TABLE OF CONTENTS

|                                                                                |           |
|--------------------------------------------------------------------------------|-----------|
| <b>RELEASE CONTROL RECORD .....</b>                                            | <b>3</b>  |
| <b>1 SUMMARY OF TEST RESULTS .....</b>                                         | <b>4</b>  |
| 1.1 MEASUREMENT UNCERTAINTY .....                                              | 5         |
| 1.2 TEST SITE AND INSTRUMENTS .....                                            | 6         |
| <b>2 GENERAL INFORMATION.....</b>                                              | <b>8</b>  |
| 2.1 GENERAL DESCRIPTION OF EUT.....                                            | 8         |
| <b>PROVIDED BY CLIENT .....</b>                                                | <b>9</b>  |
| 2.2 CONFIGURATION OF SYSTEM UNDER TEST .....                                   | 10        |
| 2.3 DESCRIPTION OF SUPPORT UNITS .....                                         | 11        |
| 2.4 TEST ITEM AND TEST CONFIGURATION .....                                     | 12        |
| 2.5 EUT OPERATING CONDITIONS.....                                              | 14        |
| 2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS.....                              | 14        |
| <b>3 TEST TYPES AND RESULTS .....</b>                                          | <b>15</b> |
| 3.1 OUTPUT POWER MEASUREMENT .....                                             | 15        |
| 3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT .....                                 | 15        |
| 3.1.2 TEST PROCEDURES .....                                                    | 15        |
| 3.1.3 TEST SETUP .....                                                         | 16        |
| 3.1.4 TEST RESULTS .....                                                       | 16        |
| 3.2 RADIATED EMISSION MEASUREMENT .....                                        | 20        |
| 3.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT .....                            | 20        |
| 3.1.2 TEST PROCEDURES .....                                                    | 20        |
| 3.1.3 DEVIATION FROM TEST STANDARD .....                                       | 20        |
| 3.1.4 TEST SETUP .....                                                         | 21        |
| 3.1.5 TEST RESULTS .....                                                       | 23        |
| <b>4 PHOTOGRAPHS OF THE TEST CONFIGURATION .....</b>                           | <b>39</b> |
| <b>5 INFORMATION ON THE TESTING LABORATORIES .....</b>                         | <b>40</b> |
| <b>6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB</b> | <b>41</b> |



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## RELEASE CONTROL RECORD

| ISSUE NO.                             | REASON FOR CHANGE                                                                                                                                                                                                                                                                                                            | DATE ISSUED   |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| W7L-P23070009RF01                     | Original release                                                                                                                                                                                                                                                                                                             | Sep. 11, 2023 |
| RF20260304B001-Part 22 Report(B5&B26) | Based on the original report, the new product add antenna (model name: WWXL6012681). This report verify power and retest RSE. The verify results of conducted power are similar or lower. So this report update SW version, update antenna gain, ERP and RSE test data, for other data, please refer to the original report. | Mar. 20, 2026 |



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 22 & Part 2 |                              |            |           |
|----------------------------------------|------------------------------|------------|-----------|
| STANDARD SECTION                       | TEST TYPE                    | RESULT     | Test lab* |
| §2.1046                                | Conducted Output Power       | See note   | --        |
| §22.913 (a)(5)                         | Effective Radiated Power     | Compliance | A         |
| §2.1055<br>§22.355                     | Frequency Stability          | See note   | --        |
| §2.1049                                | Occupied Bandwidth           | See note   | --        |
| §22.913 (d)                            | Peak to average ratio*       | See note   | --        |
| §2.1051<br>§22.917(a)                  | Band Edge Measurements       | See note   | --        |
| §2.1051<br>§22.917(a)                  | Conducted Spurious Emissions | See note   | --        |
| §2.1053<br>§22.917(a)                  | Radiated Spurious Emissions  | Compliance | A         |

\* Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

NOTE: Please refer to the original report (Report No.: W7L-P23070009RF01, FCC ID: 2AJYU-8XS0001).

### \*Test Lab Information Reference

#### Lab A:

Boomwave Test (Shenzhen) Co., Ltd.

#### Lab Address:

Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan 4th Rd, Chiwan Comm, Zhaoshang St, Nanshan Dist, Shenzhen, Guangdong, Shenzhen, China

#### Accredited Test Lab Cert 7607.01

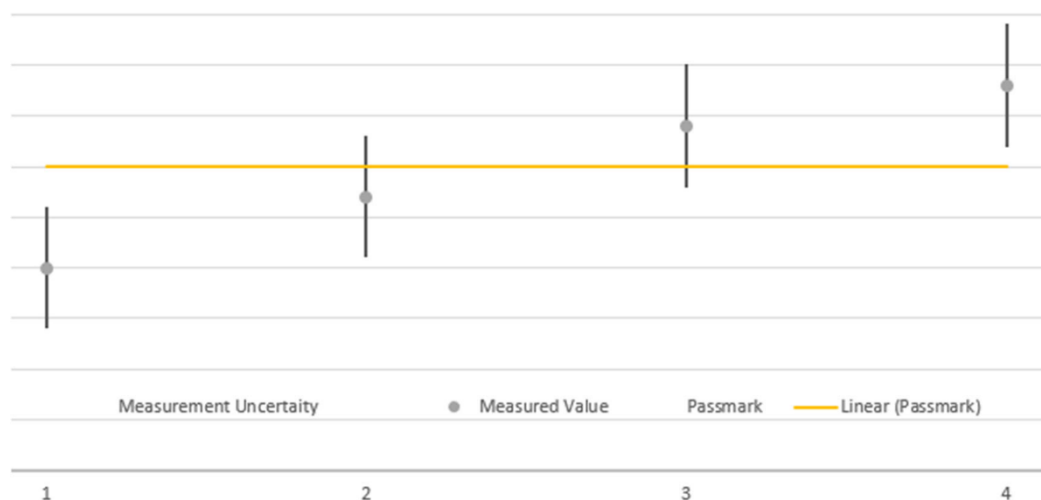
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

## 1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| MEASUREMENT                       | UNCERTAINTY |
|-----------------------------------|-------------|
| Maximum Peak Output Power         | ±2.06dB     |
| Frequency Stability               | ±76.97Hz    |
| Radiated emissions (9KHz~30MHz)   | ±2.68dB     |
| Radiated emissions (30MHz~1GHz)   | ±4.98dB     |
| Radiated emissions (1GHz ~6GHz)   | ±4.70dB     |
| Radiated emissions (6GHz ~18GHz)  | ±4.60dB     |
| Radiated emissions (18GHz ~40GHz) | ±4.12dB     |
| Conducted emissions               | ±4.01dB     |
| Occupied Channel Bandwidth        | ±43.58KHz   |
| Band Edge Measurements            | ±4.70dB     |
| Peak to average ratio             | ±0.76dB     |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



The verdicts in this test report are given according the above diagram:

| Case | Measured Value  | Uncertainty Range | Verdict |
|------|-----------------|-------------------|---------|
| 1    | below pass mark | below pass mark   | Passed  |
| 2    | below pass mark | within pass mark  | Passed  |
| 3    | above pass mark | within pass mark  | Failed  |
| 4    | above pass mark | above pass mark   | Failed  |

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

## 1.2 TEST SITE AND INSTRUMENTS

| Equipment                                | Manufacturer       | Model No.                      | Serial No.                  | Last Cal. | Next Cal. |
|------------------------------------------|--------------------|--------------------------------|-----------------------------|-----------|-----------|
| 3m Semi-anechoic Chamber                 | ETS-LINDGREN       | 9m*6m*6m                       | Euroshieldpn-CT0001143-1216 | 2025/7/3  | 2026/7/2  |
| BiConiLog Antenna                        | ETS-LINDGREN       | 3143B                          | 161965                      | 2025/7/17 | 2026/7/16 |
| Horn Antenna                             | SCHWARZBECK        | BBHA9120D                      | 3297                        | 2025/9/27 | 2026/9/26 |
| Horn Antenna                             | STEATITE           | QWH-SL-18-40-K-SG<br>QMS-00361 | 15433                       | 2025/7/19 | 2026/7/18 |
| Preamplifier                             | Tonscend           | TPA184045                      | AP24L8060388                | 2025/7/3  | 2026/7/2  |
| MXE EMI Receiver                         | keysight           | N9038B                         | MY50018017                  | 2025/7/1  | 2026/6/30 |
| MXG Vector Signal Generator              | Keysight           | N5183B                         | MY59100137                  | 2025/6/30 | 2026/6/29 |
| Preamplifier                             | Tonscend           | TPA001330                      | 806JSAPO40804251015         | 2025/6/30 | 2026/6/29 |
| Preamplifier                             | Tonscend           | TPA011845                      | AP24L8060392                | 2025/6/30 | 2026/6/29 |
| Attenuator 6DB                           | SHX                | TS2-6-6-A                      | 230927166                   | 2025/6/30 | 2026/6/29 |
| Attenuator 6DB                           | SHX                | TS2-6-6-A                      | 230927165                   | 2025/6/30 | 2026/6/29 |
| Active Receive Loop Antenna              | SCHWARZBECK        | FMZB 1519 B                    | 00173                       | 2025/6/30 | 2026/6/29 |
| Temp. & Humi. Recorder                   | Kejian             | HTC-01                         | 157246                      | 2025/7/2  | 2026/7/1  |
| HIGH pass FILTER 1-18                    | EWT                | EWT-57-0222                    | EWT-57-0222                 | 2025/6/30 | 2026/6/29 |
| HIGH pass FILTER 7-18                    | EWT                | EWT-57-0223                    | EWT-57-0223                 | 2025/6/30 | 2026/6/29 |
| HIGH pass FILTER 3-18                    | EWT                | EWT-57-0221                    | EWT-57-0221                 | 2025/6/30 | 2026/6/29 |
| DC~1GHz Lowpass Filter                   | EWT                | EWT-56-0649                    | EWT-56-0649                 | 2025/7/3  | 2026/7/2  |
| Cable 1                                  | N/A                | N/A                            | N/A                         | 2025/9/28 | 2026/9/27 |
| Cable 2                                  | N/A                | N/A                            | N/A                         | 2025/9/28 | 2026/9/27 |
| Cable 3                                  | N/A                | N/A                            | N/A                         | 2025/9/28 | 2026/9/27 |
| Wireless communication integrated tester | Rohde&Schwarz      | CMW500                         | 182016                      | 2025/6/30 | 2026/6/29 |
| EXA Signal Analyzer                      | KEYSIGHT           | N9010B                         | MY62170156                  | 2025/6/30 | 2026/6/29 |
| RF Control Unit                          | Tonscend           | JS0806-1                       | 21K8060504                  | 2025/6/16 | 2026/6/15 |
| DC Power Supply                          | AGILENT            | HMP2020                        | 100598                      | 2025/7/1  | 2026/6/30 |
| 10dB attenuator                          | JFW INDUSTRIES INC | 50HF-010-SMA                   | 50HF-010-SMA-1              | 2025/6/30 | 2026/6/29 |
| 10dB attenuator                          | JFW INDUSTRIES INC | 50HF-010-SMA                   | 50HF-010-SMA-2              | 2025/6/30 | 2026/6/29 |
| hygrothermograph                         | Anymetrers         | ----                           | TH101B                      | 2025/7/22 | 2026/7/21 |
| Temperature Box                          | zhongkemeiqi       | MA22040172                     | MQ-DTH50F-2                 | 2025/7/1  | 2026/6/30 |
| power divider                            | WOKEN              | 71688                          | 204-003180-01               | 2025/6/30 | 2026/6/29 |



**Test Report No.: RF20260304B001-Part 22 Report(B5&B26)**

**NOTE:**

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 646781; The Designation No. is CN1429.

## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|                 |                                            |                     |
|-----------------|--------------------------------------------|---------------------|
| PRODUCT         | SIM7670G                                   |                     |
| BRAND NAME      | SIMCom                                     |                     |
| MODEL NAME      | SIM7670G                                   |                     |
| NOMINAL VOLTAGE | EUT 3.8V                                   |                     |
| MODULATION TYPE | LTE                                        | QPSK, 16QAM         |
| FREQUENCY RANGE | LTE Band 5<br>(Channel Bandwidth: 1.4MHz)  | 824.7MHz ~ 848.3MHz |
|                 | LTE Band 5<br>(Channel Bandwidth: 3MHz)    | 825.5MHz ~ 847.5MHz |
|                 | LTE Band 5<br>(Channel Bandwidth: 5MHz)    | 826.5MHz ~ 846.5MHz |
|                 | LTE Band 5<br>(Channel Bandwidth: 10MHz)   | 829MHz ~ 844MHz     |
|                 | LTE Band 26<br>(Channel Bandwidth: 1.4MHz) | 824.7MHz ~ 848.3MHz |
|                 | LTE Band 26<br>(Channel Bandwidth: 3MHz)   | 825.5MHz ~ 847.5MHz |
|                 | LTE Band 26<br>(Channel Bandwidth: 5MHz)   | 826.5MHz ~ 846.5MHz |
|                 | LTE Band 26<br>(Channel Bandwidth: 10MHz)  | 829MHz ~ 844MHz     |
|                 | LTE Band 26<br>(Channel Bandwidth: 15MHz)  | 831.5MHz ~ 841.5MHz |
|                 | LTE Band 26<br>(Channel Bandwidth: 15MHz)  | 831.5MHz ~ 841.5MHz |
| MAX. ERP POWER  | LTE Band 5<br>(Channel Bandwidth: 1.4MHz)  | 248.89mW            |
|                 | LTE Band 5<br>(Channel Bandwidth: 3MHz)    | 249.46mW            |
|                 | LTE Band 5<br>(Channel Bandwidth: 5MHz)    | 248.31mW            |
|                 | LTE Band 5<br>(Channel Bandwidth: 10MHz)   | 250.03mW            |
|                 | LTE Band 26<br>(Channel Bandwidth: 1.4MHz) | 230.14mW            |
|                 | LTE Band 26<br>(Channel Bandwidth: 3MHz)   | 228.56mW            |
|                 | LTE Band 26<br>(Channel Bandwidth: 5MHz)   | 232.81mW            |
|                 | LTE Band 26<br>(Channel Bandwidth: 10MHz)  | 230.14mW            |
|                 | LTE Band 26<br>(Channel Bandwidth: 15MHz)  | 234.96mW            |
|                 | LTE Band 26<br>(Channel Bandwidth: 15MHz)  | 234.96mW            |

|                                     |                                                                                                 |                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| <b>EMISSION<br/>DESIGNATOR</b> GOGN | <b>LTE Band 26<br/>(Channel Bandwidth: 1.4MHz)</b>                                              | QPSK: 1M09G7D<br>16QAM: 1M09W7D |
|                                     | <b>LTE Band 26<br/>(Channel Bandwidth: 3MHz)</b>                                                | QPSK: 2M70G7D<br>16QAM: 2M71W7D |
|                                     | <b>LTE Band 26<br/>(Channel Bandwidth: 5MHz)</b>                                                | QPSK: 4M52G7D<br>16QAM: 4M51W7D |
|                                     | <b>LTE Band 26<br/>(Channel Bandwidth: 10MHz)</b>                                               | QPSK: 9M01G7D<br>16QAM: 4M85W7D |
|                                     | <b>LTE Band 26<br/>(Channel Bandwidth: 15MHz)</b>                                               | QPSK: 13M5G7D<br>16QAM: 4M87W7D |
| <b>ANTENNA TYPE</b>                 | <input checked="" type="checkbox"/> Provided by client                                          |                                 |
|                                     | External Antenna with 2.83dBi gain for LTE B5<br>External Antenna with 2.85dBi gain for LTE B26 |                                 |
| <b>HW VERSION</b>                   | V2.02                                                                                           |                                 |
| <b>SW VERSION</b>                   | V1.9.05                                                                                         |                                 |
| <b>I/O PORTS</b>                    | Refer to user's manual                                                                          |                                 |
| <b>CABLE SUPPLIED</b>               | N/A                                                                                             |                                 |
| <b>EXTREME<br/>TEMPERATURE</b>      | -10-55 °C                                                                                       |                                 |
| <b>EXTREME VOLTAGE</b>              | 3.4V-4.2V                                                                                       |                                 |

**NOTE:**

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

| MODULATION MODE | TX FUNCTION |
|-----------------|-------------|
| LTE             | 1TX/1RX     |

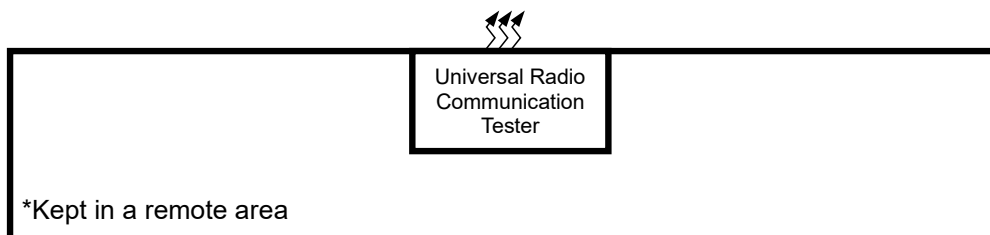
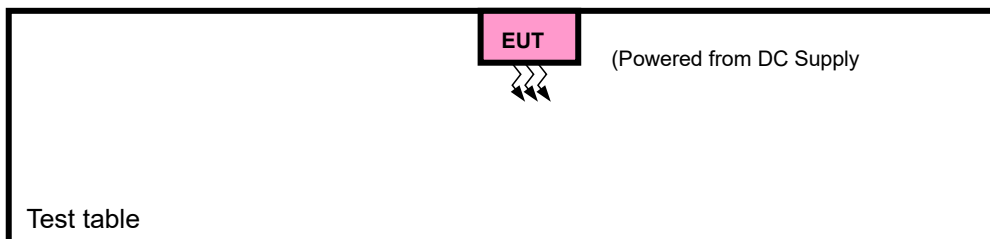
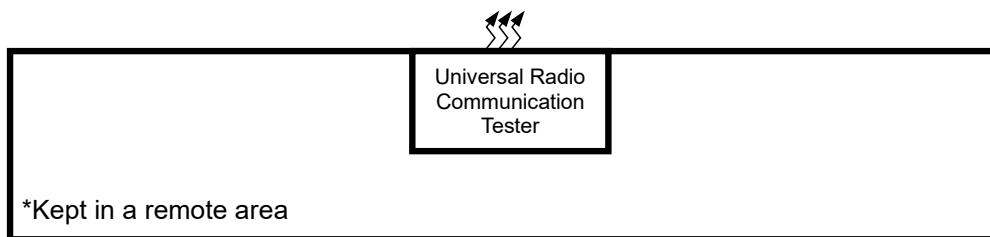
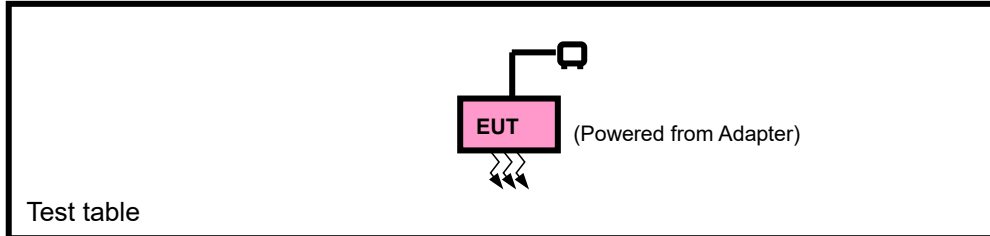
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in the test report.

**4. List of Accessory:**

| ACCESSORIES | BRAND                | MANUFACTURER | MODEL       | SPECIFICATION  |
|-------------|----------------------|--------------|-------------|----------------|
| Antenna     | All things connected | N/A          | WWXL6012681 | 126*50.3*0.2mm |

Test Report No.: RF20260304B001-Part 22 Report(B5&B26)  
**2.2 CONFIGURATION OF SYSTEM UNDER TEST**

**FOR RADIATION EMISSION**





Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## 2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| NO. | PRODUCT | BRAND | MODEL NO. | SERIAL NO. | FCC ID |
|-----|---------|-------|-----------|------------|--------|
| 1   | Adapter | N/A   | N/A       | N/A        | N/A    |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|-----|-----------------------------------------------------|
| 1   | N/A                                                 |

## 2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case in ERP and radiated emission was found when positioned on X-plane for LTE. Following channel(s) was (were) selected for the final test as listed below:

| EUT CONFIGURE MODE | DESCRIPTION                   |
|--------------------|-------------------------------|
| A                  | EUT + Adapter with LTE link   |
| B                  | EUT + DC Supply with LTE link |

### LTE BAND 5 MODE

| EUT CONFIGURE MODE | TEST ITEM | Available Channel | Tested Channel      | Channel bandwidth | modulation  | mode               |
|--------------------|-----------|-------------------|---------------------|-------------------|-------------|--------------------|
| A                  | ERP       | 20407 to 20643    | 20407, 20525, 20643 | 1.4MHz            | QPSK, 16QAM | 1 RB / 0 RB offset |
|                    |           | 20415 to 20635    | 20415, 20525, 20635 | 3MHz              | QPSK, 16QAM | 1 RB / 0 RB offset |
|                    |           | 20425 to 20625    | 20425, 20525, 20625 | 5MHz              | QPSK, 16QAM | 1 RB / 0 RB offset |
|                    |           | 20450 to 20600    | 20450, 20525, 20600 | 10MHz             | QPSK, 16QAM | 1 RB / 0 RB offset |

**Note:**

1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.
2. LTE Band 5 are covered by LTE Band 26, Because it is a subset of LTE Band 26 with the same output power and supported bandwidths, So the test data please refer to LTE Band 26



**Test Report No.: RF20260304B001-Part 22 Report(B5&B26)**

**LTE BAND 26 MODE**

| EUT CONFIGURE MODE | TEST ITEM         | Available Channel | Tested Channel      | Channel bandwidth | modulation | mode               |
|--------------------|-------------------|-------------------|---------------------|-------------------|------------|--------------------|
| A                  | ERP               | 26797 to 27033    | 26797, 26915, 27033 | 1.4MHz            | QPSK,16QAM | 1 RB / 0 RB offset |
|                    |                   | 26805 to 27025    | 26805, 26915, 27025 | 3MHz              | QPSK,16QAM | 1 RB / 0 RB offset |
|                    |                   | 26815 to 27015    | 26815, 26915, 27015 | 5MHz              | QPSK,16QAM | 1 RB / 0 RB offset |
|                    |                   | 26840 to 26990    | 26840, 26915, 26990 | 10MHz             | QPSK,16QAM | 1 RB / 0 RB offset |
|                    |                   | 26865 to 26965    | 26865, 26915, 26965 | 15MHz             | QPSK,16QAM | 1 RB / 0 RB offset |
| A                  | RADIATED EMISSION | 26797 to 27033    | 26915               | 1.4MHz            | QPSK       | 1 RB / 0 RB Offset |
|                    |                   | 26805 to 27025    | 26915               | 3MHz              | QPSK       | 1 RB / 0 RB Offset |
|                    |                   | 26815 to 27015    | 26915               | 5MHz              | QPSK       | 1 RB / 0 RB Offset |
|                    |                   | 26840 to 26990    | 26915               | 10MHz             | QPSK       | 1 RB / 0 RB Offset |
|                    |                   | 26865 to 26965    | 26865, 26915, 26965 | 15MHz             | QPSK       | 1 RB / 0 RB Offset |

| TEST CONDITION    |                          |               |           |
|-------------------|--------------------------|---------------|-----------|
| TEST ITEM         | ENVIRONMENTAL CONDITIONS | INPUT POWER   | TESTED BY |
| ERP               | 23deg. C, 70%RH          | EUT 3.8V      | Carl Xie  |
| RADIATED EMISSION | 23deg. C, 70%RH          | AC 120V/60MHz | Carl Xie  |



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## 2.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

## 2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 22**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

**ANSI/TIA/EIA-603-D**

**ANSI/TIA/EIA-603-E**

**ANSI C63.26-2015**

**NOTE:** All test items have been performed and recorded as per the above standards.

### 3 TEST TYPES AND RESULTS

#### 3.1 OUTPUT POWER MEASUREMENT

##### 3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile / Portable station are limited to 7 watts e.r.p.

##### 3.1.2 TEST PROCEDURES

###### EIRP / ERP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as  $P_{\text{Meas}}$ , typically dBW or dBm);

$P_{\text{Meas}}$  = measured transmitter output power or PSD, in dBm or dBW;

$G_{\text{T}}$  = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

$L_{\text{C}}$  = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

###### CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

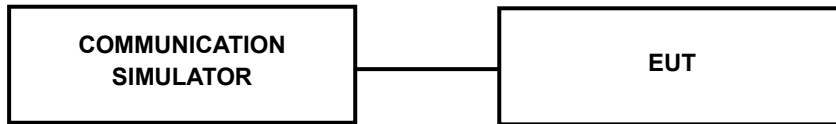


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

### 3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



### 3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm):

NOTE: The verify results of conducted power are similar or lower, so conducted power test data please refer to the original report (Report No.: W7L-P23070009RF01, FCC ID: 2AJYU-8XS0001). This report only update ERP based on new antenna gain.

**Test Report No.: RF20260304B001-Part 22 Report(B5&B26)**

**ERP POWER (dBm)**

| LTE Band 5             |         |                    |                             |              |              |             |                  |
|------------------------|---------|--------------------|-----------------------------|--------------|--------------|-------------|------------------|
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 10M-QPSK               | 20450   | 829                | 23.28                       | 2.83         | 23.96        | 248.89      | 7                |
|                        | 20525   | 836.5              | 23.18                       | 2.83         | 23.86        | 243.22      | 7                |
|                        | 20600   | 844                | 23.30                       | 2.83         | 23.98        | 250.03      | 7                |
| 10M-16QAM              | 20450   | 829                | 22.16                       | 2.83         | 22.84        | 192.31      | 7                |
|                        | 20525   | 836.5              | 22.44                       | 2.83         | 23.12        | 205.12      | 7                |
|                        | 20600   | 844                | 22.63                       | 2.83         | 23.31        | 214.29      | 7                |
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 5M-QPSK                | 20425   | 826.5              | 23.18                       | 2.83         | 23.86        | 243.22      | 7                |
|                        | 20525   | 836.5              | 23.10                       | 2.83         | 23.78        | 238.78      | 7                |
|                        | 20625   | 846.5              | 23.27                       | 2.83         | 23.95        | 248.31      | 7                |
| 5M-16QAM               | 20425   | 826.5              | 22.15                       | 2.83         | 22.83        | 191.87      | 7                |
|                        | 20525   | 836.5              | 22.42                       | 2.83         | 23.10        | 204.17      | 7                |
|                        | 20625   | 846.5              | 22.61                       | 2.83         | 23.29        | 213.30      | 7                |
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 3M-QPSK                | 20415   | 825.5              | 23.18                       | 2.83         | 23.86        | 243.22      | 7                |
|                        | 20525   | 836.5              | 23.17                       | 2.83         | 23.85        | 242.66      | 7                |
|                        | 20635   | 847.5              | 23.29                       | 2.83         | 23.97        | 249.46      | 7                |
| 3M-16QAM               | 20415   | 825.5              | 22.11                       | 2.83         | 22.79        | 190.11      | 7                |
|                        | 20525   | 836.5              | 22.40                       | 2.83         | 23.08        | 203.24      | 7                |
|                        | 20635   | 847.5              | 22.61                       | 2.83         | 23.29        | 213.30      | 7                |
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 1.4M-QPSK              | 20407   | 824.7              | 23.19                       | 2.83         | 23.87        | 243.78      | 7                |
|                        | 20525   | 836.5              | 23.12                       | 2.83         | 23.80        | 239.88      | 7                |
|                        | 20643   | 848.3              | 23.28                       | 2.83         | 23.96        | 248.89      | 7                |
| 1.4M-16QAM             | 20407   | 824.7              | 22.49                       | 2.83         | 23.17        | 207.49      | 7                |
|                        | 20525   | 836.5              | 22.87                       | 2.83         | 23.55        | 226.46      | 7                |
|                        | 20643   | 848.3              | 22.98                       | 2.83         | 23.66        | 232.27      | 7                |

**Test Report No.: RF20260304B001-Part 22 Report(B5&B26)**

| LTE Band 26            |         |                    |                             |              |              |             |                  |
|------------------------|---------|--------------------|-----------------------------|--------------|--------------|-------------|------------------|
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 15M-QPSK               | 26865   | 831.5              | 23.01                       | 2.85         | 23.71        | 234.96      | 7                |
|                        | 26915   | 836.5              | 22.87                       | 2.85         | 23.57        | 227.51      | 7                |
|                        | 26965   | 841.5              | 22.94                       | 2.85         | 23.64        | 231.21      | 7                |
| 15M-<br>16QAM          | 26865   | 831.5              | 22.26                       | 2.85         | 22.96        | 197.70      | 7                |
|                        | 26915   | 836.5              | 22.35                       | 2.85         | 23.05        | 201.84      | 7                |
|                        | 26965   | 841.5              | 22.16                       | 2.85         | 22.86        | 193.20      | 7                |
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 10M-QPSK               | 26840   | 829                | 22.89                       | 2.85         | 23.59        | 228.56      | 7                |
|                        | 26915   | 836.5              | 22.79                       | 2.85         | 23.49        | 223.36      | 7                |
|                        | 26990   | 844                | 22.92                       | 2.85         | 23.62        | 230.14      | 7                |
| 10M-<br>16QAM          | 26840   | 829                | 22.17                       | 2.85         | 22.87        | 193.64      | 7                |
|                        | 26915   | 836.5              | 22.27                       | 2.85         | 22.97        | 198.15      | 7                |
|                        | 26990   | 844                | 22.04                       | 2.85         | 22.74        | 187.93      | 7                |
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 5M-QPSK                | 26815   | 826.5              | 22.97                       | 2.85         | 23.67        | 232.81      | 7                |
|                        | 26915   | 836.5              | 22.83                       | 2.85         | 23.53        | 225.42      | 7                |
|                        | 27015   | 846.5              | 22.88                       | 2.85         | 23.58        | 228.03      | 7                |
| 5M-16QAM               | 26815   | 826.5              | 22.25                       | 2.85         | 22.95        | 197.24      | 7                |
|                        | 26915   | 836.5              | 22.23                       | 2.85         | 22.93        | 196.34      | 7                |
|                        | 27015   | 846.5              | 22.14                       | 2.85         | 22.84        | 192.31      | 7                |
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 3M-QPSK                | 26805   | 825.5              | 22.89                       | 2.85         | 23.59        | 228.56      | 7                |
|                        | 26915   | 836.5              | 22.79                       | 2.85         | 23.49        | 223.36      | 7                |
|                        | 27025   | 847.5              | 22.88                       | 2.85         | 23.58        | 228.03      | 7                |
| 3M-16QAM               | 26805   | 825.5              | 22.14                       | 2.85         | 22.84        | 192.31      | 7                |
|                        | 26915   | 836.5              | 22.32                       | 2.85         | 23.02        | 200.45      | 7                |
|                        | 27025   | 847.5              | 22.16                       | 2.85         | 22.86        | 193.20      | 7                |

**Test Report No.: RF20260304B001-Part 22 Report(B5&B26)**

| LTE Band 26            |         |                    |                             |              |              |             |                  |
|------------------------|---------|--------------------|-----------------------------|--------------|--------------|-------------|------------------|
| BW [MHz]<br>Modulation | Channel | Frequency<br>(MHz) | Conducted<br>Power<br>(dBm) | Gain<br>(dB) | ERP<br>(dBm) | ERP<br>(mW) | FCC Limit<br>(W) |
| 1.4M-QPSK              | 26797   | 824.7              | 22.92                       | 2.85         | 23.62        | 230.14      | 7                |
|                        | 26915   | 836.5              | 22.81                       | 2.85         | 23.51        | 224.39      | 7                |
|                        | 27033   | 848.3              | 22.90                       | 2.85         | 23.60        | 229.09      | 7                |
| 1.4M-<br>16QAM         | 26797   | 824.7              | 22.32                       | 2.85         | 23.02        | 200.45      | 7                |
|                        | 26915   | 836.5              | 22.67                       | 2.85         | 23.37        | 217.27      | 7                |
|                        | 27033   | 848.3              | 22.55                       | 2.85         | 23.25        | 211.35      | 7                |

**REMARKS:** ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

## 3.2 RADIATED EMISSION MEASUREMENT

### 3.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to  $-13\text{dBm}$ .

### 3.1.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
- c.  $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  
 $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}$ .

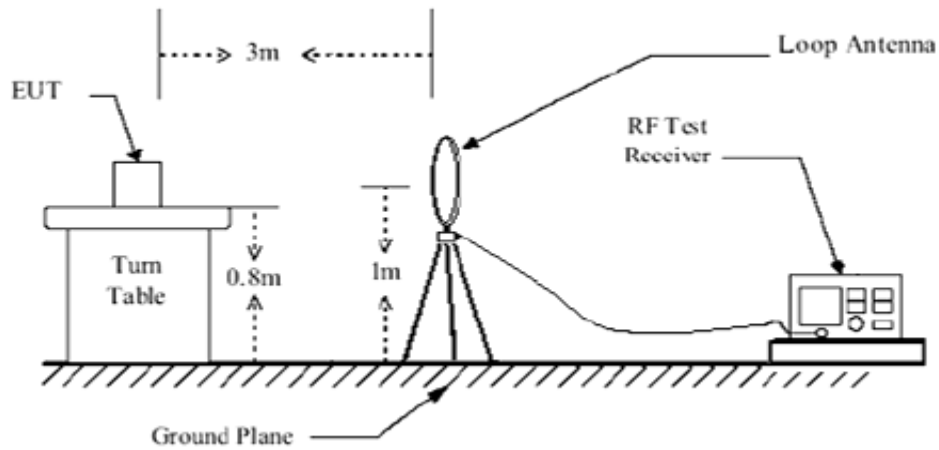
**NOTE:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

### 3.1.3 DEVIATION FROM TEST STANDARD

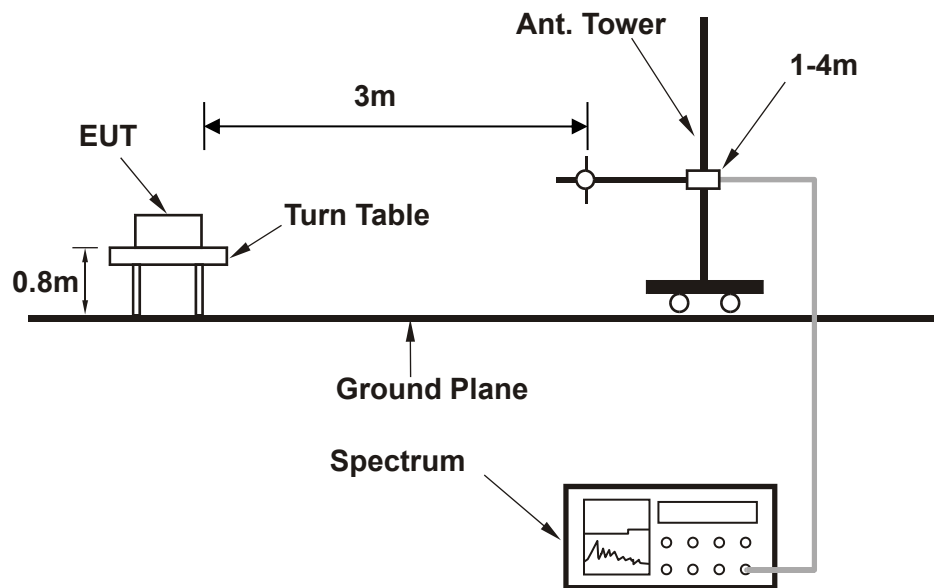
No deviation

Test Report No.: RF20260304B001-Part 22 Report(B5&B26)  
3.1.4 TEST SETUP

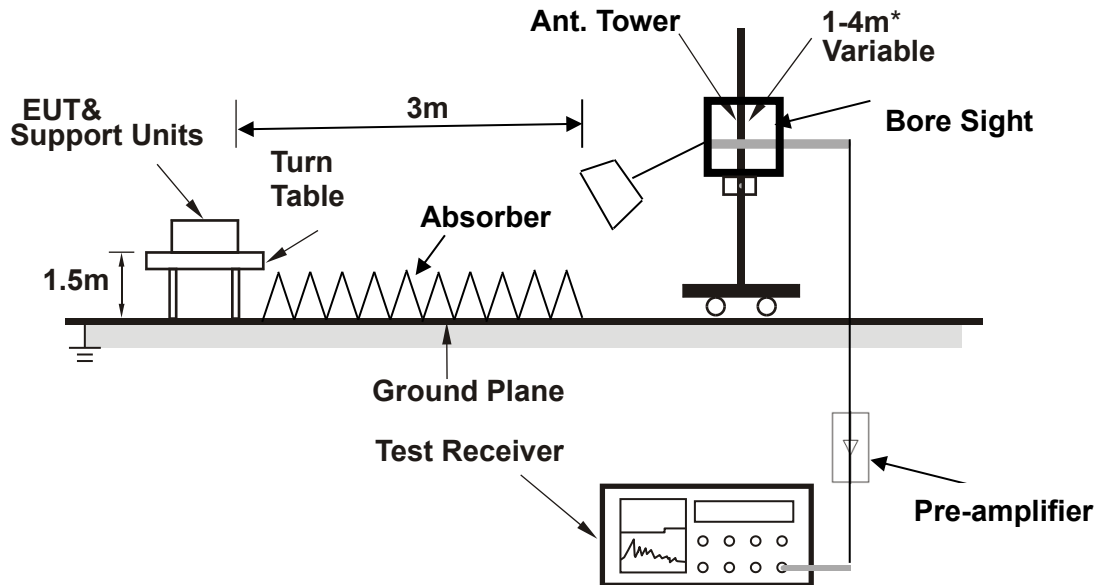
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



**Test Report No.: RF20260304B001-Part 22 Report(B5&B26)**  
**<Frequency Range above 1GHz>**



**Note:** Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

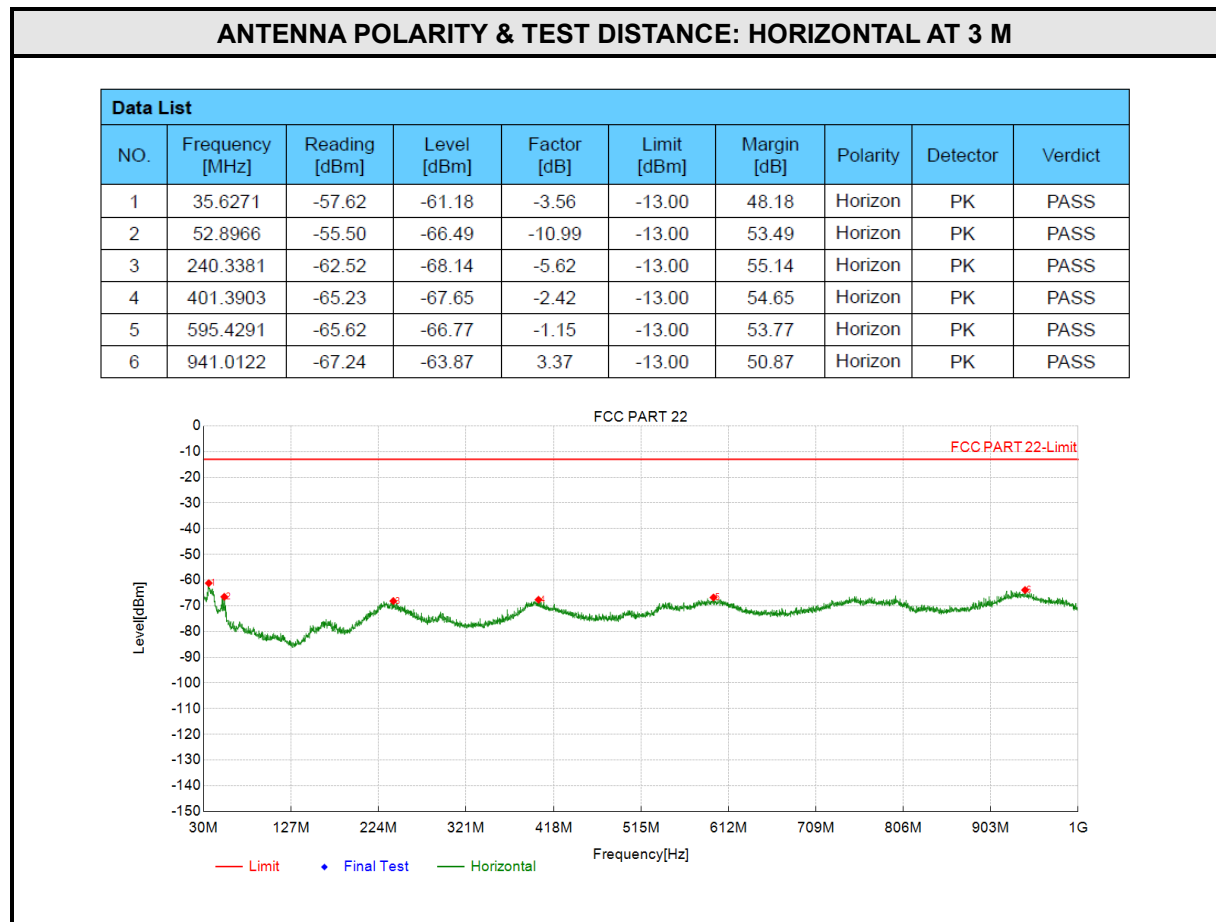
# Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## 3.1.5 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

### BELOW 1GHz WORST-CASE DATA

| LTE Band 26<br>CHANNEL BANDWIDTH:3MHz / QPSK |                  |                 |               |
|----------------------------------------------|------------------|-----------------|---------------|
| MODE                                         | TX channel 26915 | FREQUENCY RANGE | Below 1000MHz |
| ENVIRONMENTAL CONDITIONS                     | 23deg. C, 70%RH  | INPUT POWER     | 120Vac 60HZ   |
| TESTED BY                                    | Carl Xie         |                 |               |

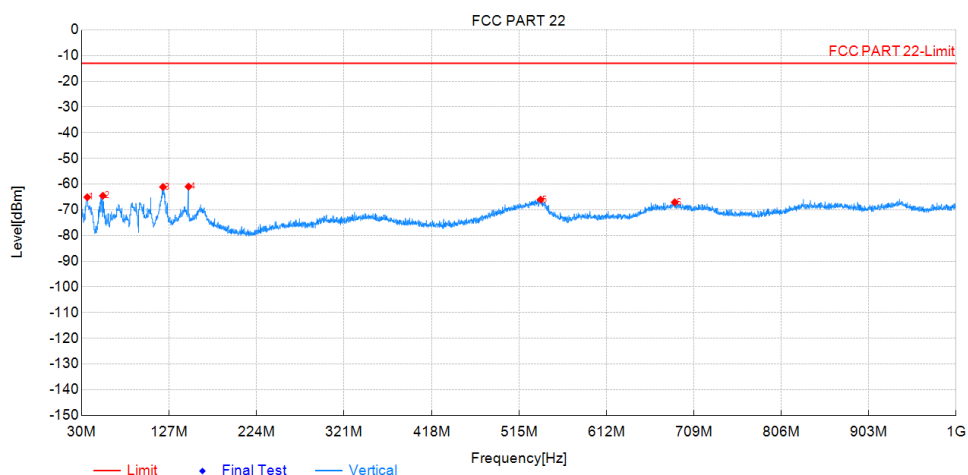


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                          |                  |                 |               |
|--------------------------|------------------|-----------------|---------------|
| MODE                     | TX channel 26915 | FREQUENCY RANGE | Below 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  | INPUT POWER     | 120Vac 60HZ   |
| TESTED BY                | Carl Xie         |                 |               |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 36.2092         | -51.46        | -65.10      | -13.64      | -13.00      | 52.10       | Vertical | PK       | PASS    |
| 2         | 53.4787         | -44.56        | -64.52      | -19.96      | -13.00      | 51.52       | Vertical | PK       | PASS    |
| 3         | 120.228         | -48.70        | -61.11      | -12.41      | -13.00      | 48.11       | Vertical | PK       | PASS    |
| 4         | 148.5577        | -51.07        | -60.97      | -9.90       | -13.00      | 47.97       | Vertical | PK       | PASS    |
| 5         | 538.9638        | -66.34        | -66.04      | 0.30        | -13.00      | 53.04       | Vertical | PK       | PASS    |
| 6         | 687.7916        | -66.82        | -67.07      | -0.25       | -13.00      | 54.07       | Vertical | PK       | PASS    |



# Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## ABOVE 1GHz DATA

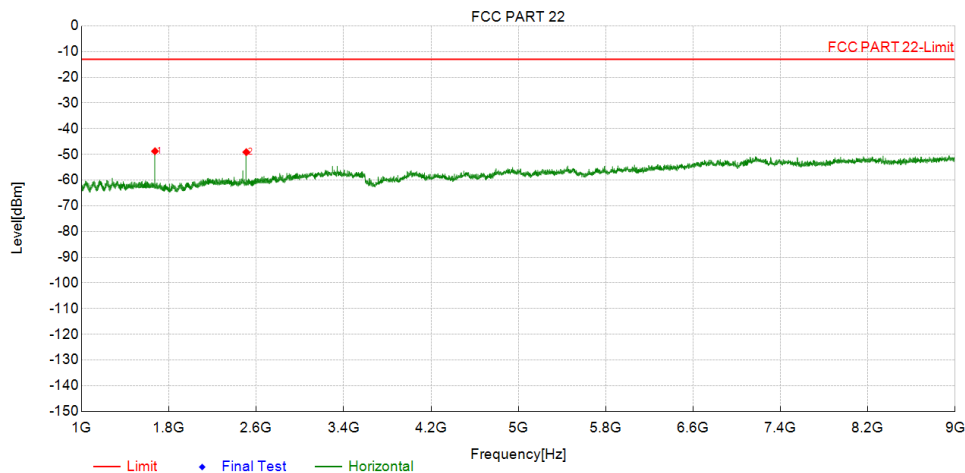
**Note:** For higher frequency, the emission is too low to be detected.

### LTE Band 26

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 1.4MHz/QPSK   | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

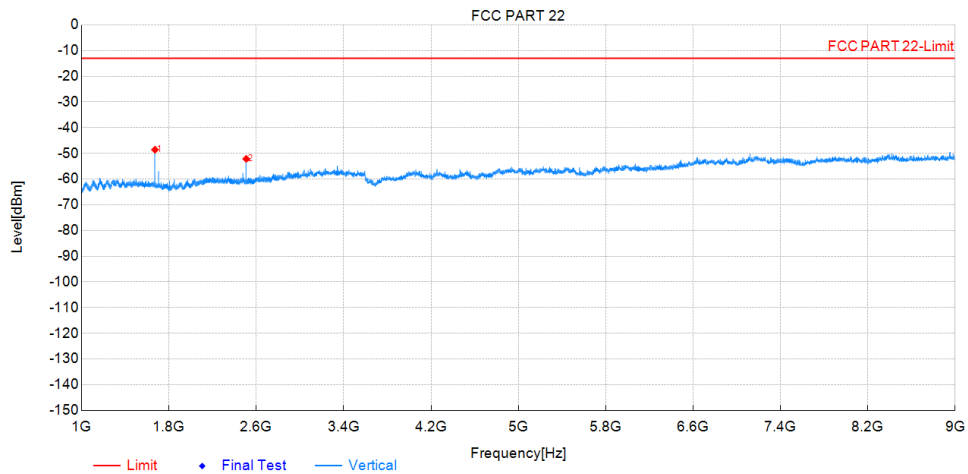
| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1672.1344       | -39.18        | -48.76      | -9.58       | -13.00      | 35.76       | Horizon  | PK       | PASS    |
| 2         | 2508.3017       | -43.11        | -49.11      | -6.00       | -13.00      | 36.11       | Horizon  | PK       | PASS    |



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                                                   |               |                          |                  |
|---------------------------------------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH                                 | 1.4MHz/QPSK   | MODE                     | TX channel 26915 |
| FREQUENCY RANGE                                   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER                                       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |               |                          |                  |

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1672.1344       | -38.96        | -48.55      | -9.59       | -13.00      | 35.55       | Vertical | PK       | PASS    |
| 2         | 2507.5015       | -46.23        | -52.12      | -5.89       | -13.00      | 39.12       | Vertical | PK       | PASS    |

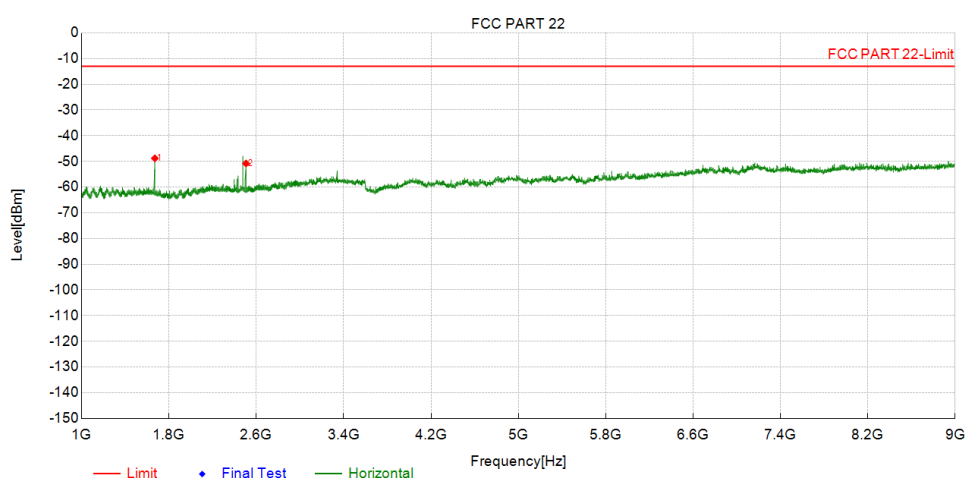


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz/QPSK     | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1670.9342       | -39.23        | -48.80      | -9.57       | -13.00      | 35.80       | Horizon  | PK       | PASS    |
| 2         | 2505.9012       | -44.79        | -50.79      | -6.00       | -13.00      | 37.79       | Horizon  | PK       | PASS    |

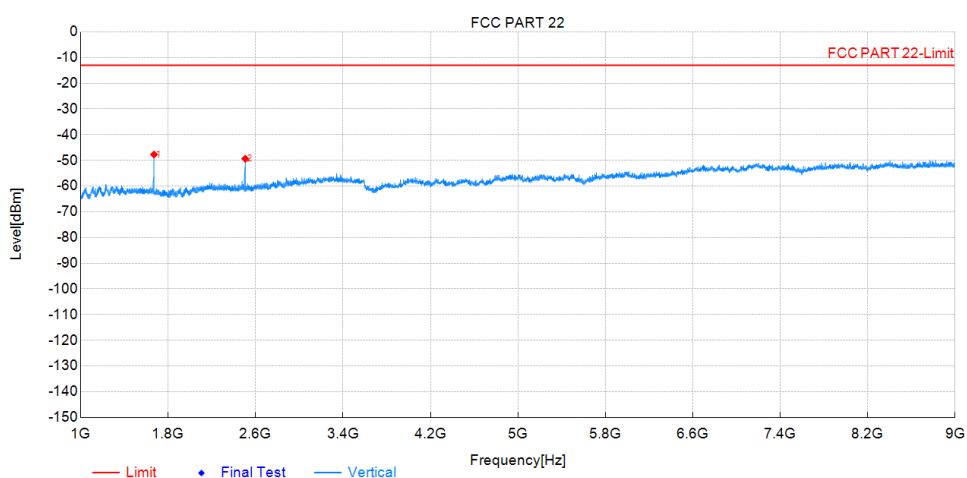


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz/QPSK     | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1670.5341       | -38.11        | -47.70      | -9.59       | -13.00      | 34.70       | Vertical | PK       | PASS    |
| 2         | 2505.5011       | -43.47        | -49.36      | -5.89       | -13.00      | 36.36       | Vertical | PK       | PASS    |

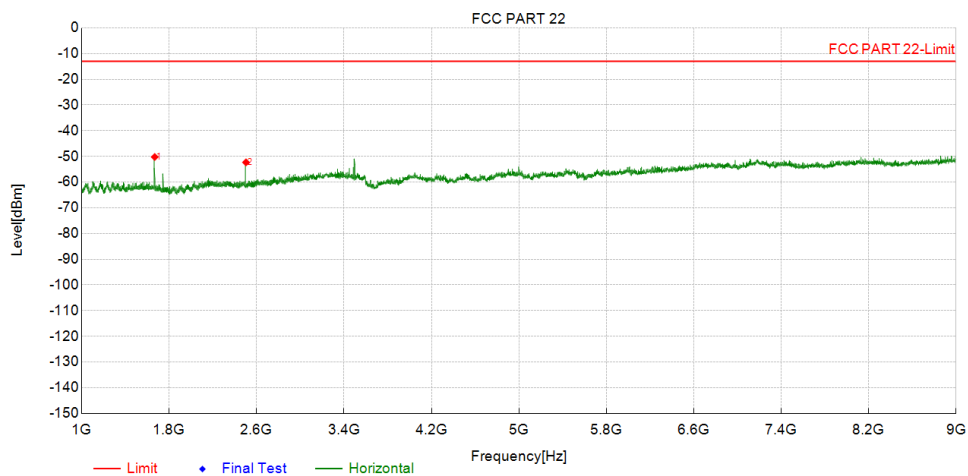


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 5MHz/QPSK     | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1668.1336       | -40.66        | -50.22      | -9.56       | -13.00      | 37.22       | Horizon  | PK       | PASS    |
| 2         | 2503.1006       | -46.30        | -52.31      | -6.01       | -13.00      | 39.31       | Horizon  | PK       | PASS    |

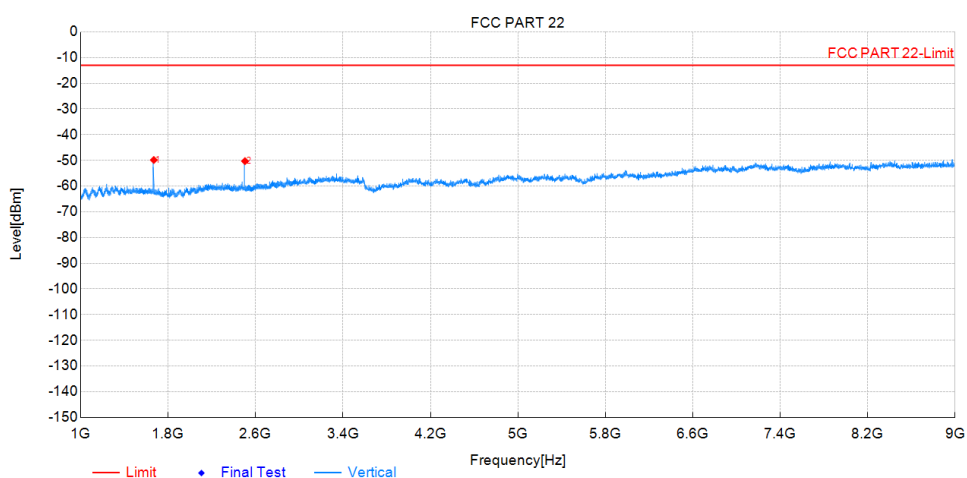


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 5MHz/QPSK     | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1668.9338       | -40.25        | -49.84      | -9.59       | -13.00      | 36.84       | Vertical | PK       | PASS    |
| 2         | 2502.7005       | -44.38        | -50.29      | -5.91       | -13.00      | 37.29       | Vertical | PK       | PASS    |

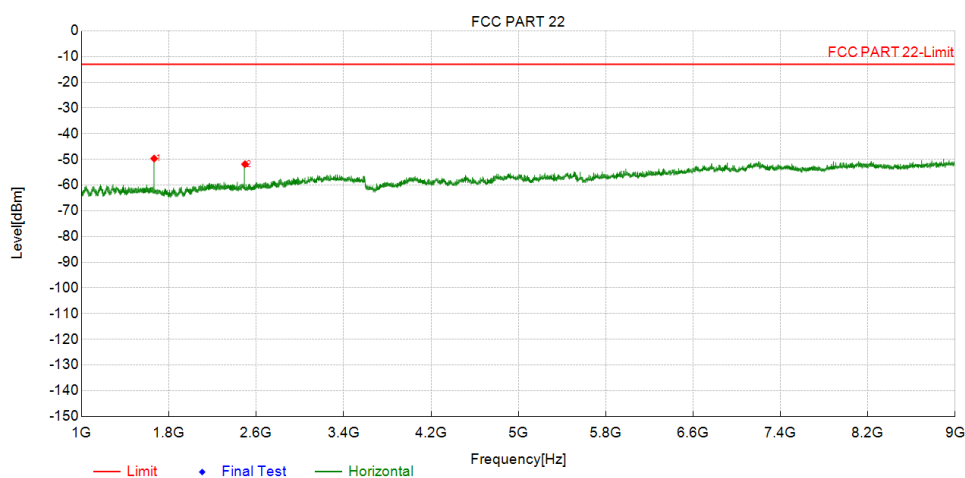


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 10MHz/QPSK    | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1664.5329       | -40.12        | -49.67      | -9.55       | -13.00      | 36.67       | Horizon  | PK       | PASS    |
| 2         | 2496.2993       | -45.81        | -51.86      | -6.05       | -13.00      | 38.86       | Horizon  | PK       | PASS    |

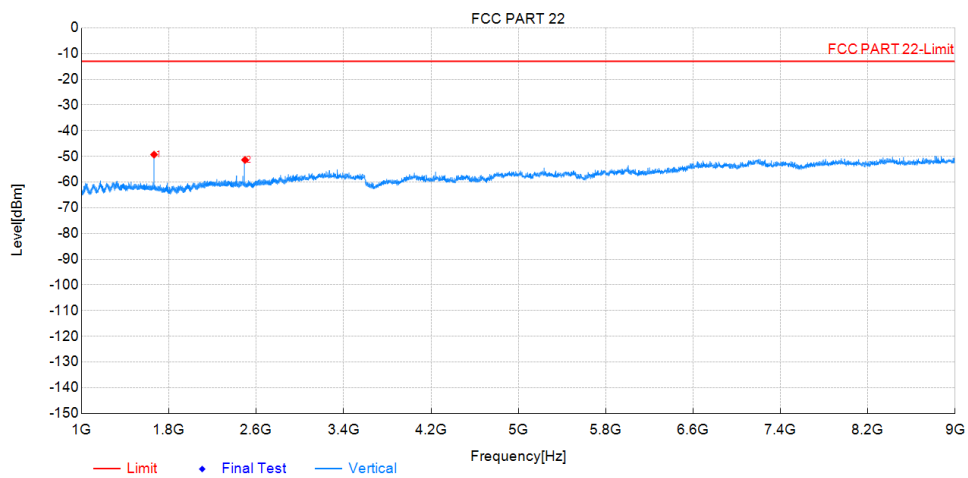


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 10MHz/QPSK    | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1663.7327       | -39.72        | -49.30      | -9.58       | -13.00      | 36.30       | Vertical | PK       | PASS    |
| 2         | 2496.2993       | -45.43        | -51.36      | -5.93       | -13.00      | 38.36       | Vertical | PK       | PASS    |



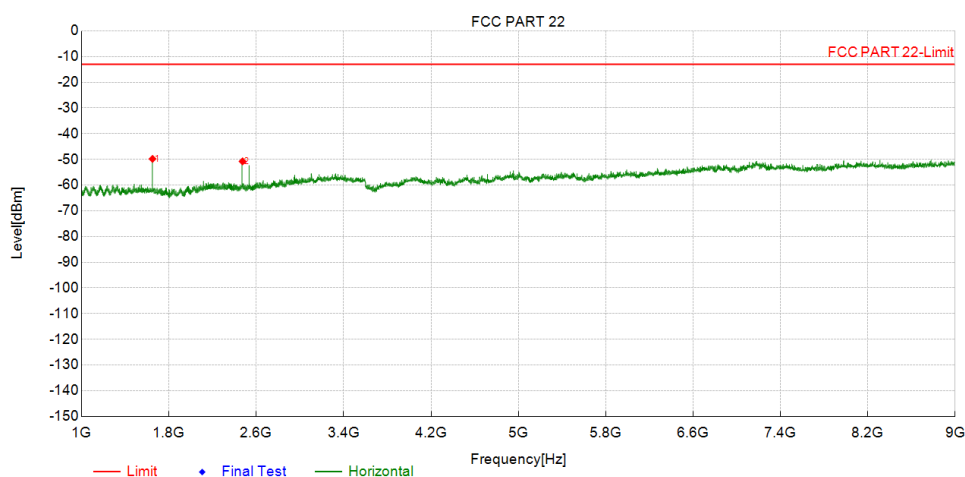
Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

CH26865

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 15MHz/QPSK    | MODE                     | TX channel 26865 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

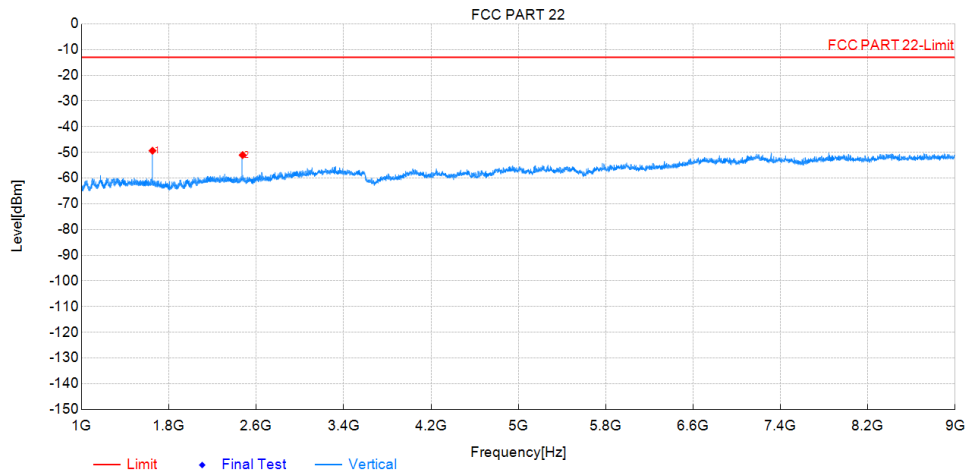
| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1649.7299       | -40.29        | -49.79      | -9.50       | -13.00      | 36.79       | Horizon  | PK       | PASS    |
| 2         | 2474.2949       | -44.60        | -50.76      | -6.16       | -13.00      | 37.76       | Horizon  | PK       | PASS    |



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                                                   |               |                          |                  |
|---------------------------------------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH                                 | 15MHz/QPSK    | MODE                     | TX channel 26865 |
| FREQUENCY RANGE                                   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER                                       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |               |                          |                  |

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1649.7299       | -39.80        | -49.34      | -9.54       | -13.00      | 36.34       | Vertical | PK       | PASS    |
| 2         | 2474.2949       | -45.00        | -51.03      | -6.03       | -13.00      | 38.03       | Vertical | PK       | PASS    |



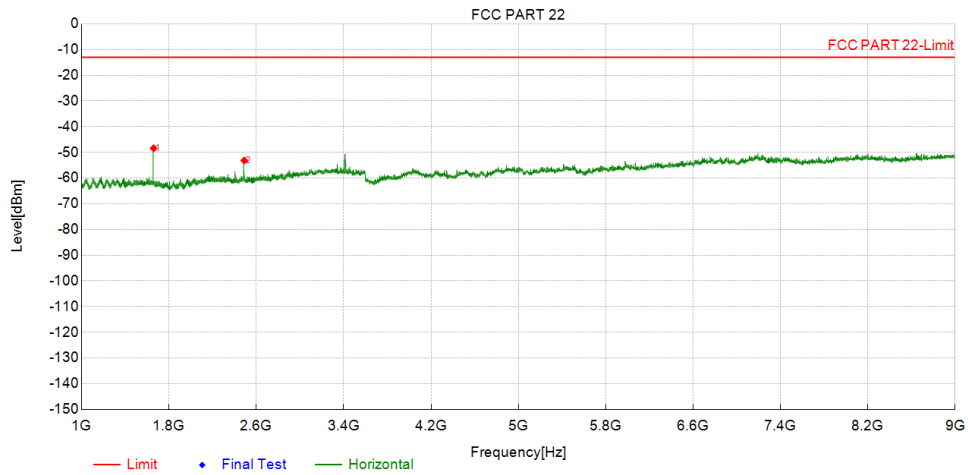
Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

CH26915

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 15MHz/QPSK    | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1659.7319       | -38.84        | -48.38      | -9.54       | -13.00      | 35.38       | Horizon  | PK       | PASS    |
| 2         | 2489.4979       | -47.04        | -53.12      | -6.08       | -13.00      | 40.12       | Horizon  | PK       | PASS    |

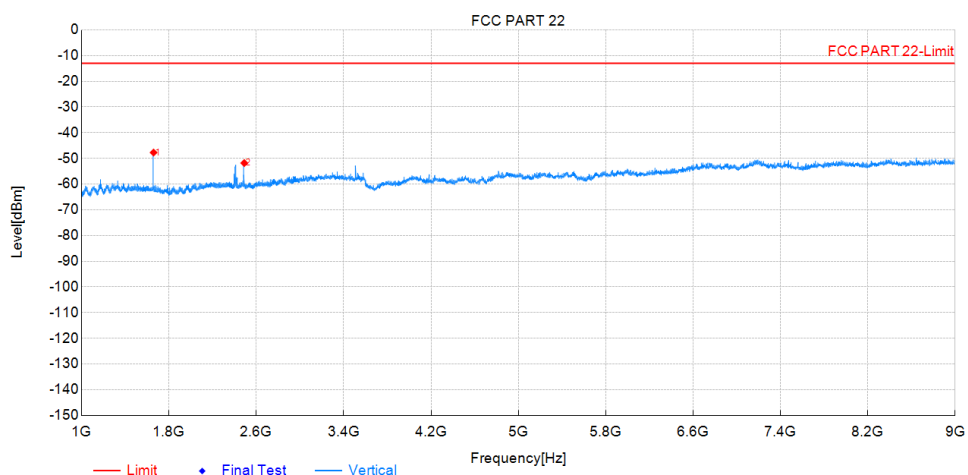


Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 15MHz/QPSK    | MODE                     | TX channel 26915 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1659.3319       | -38.15        | -47.72      | -9.57       | -13.00      | 34.72       | Vertical | PK       | PASS    |
| 2         | 2489.4979       | -45.83        | -51.79      | -5.96       | -13.00      | 38.79       | Vertical | PK       | PASS    |



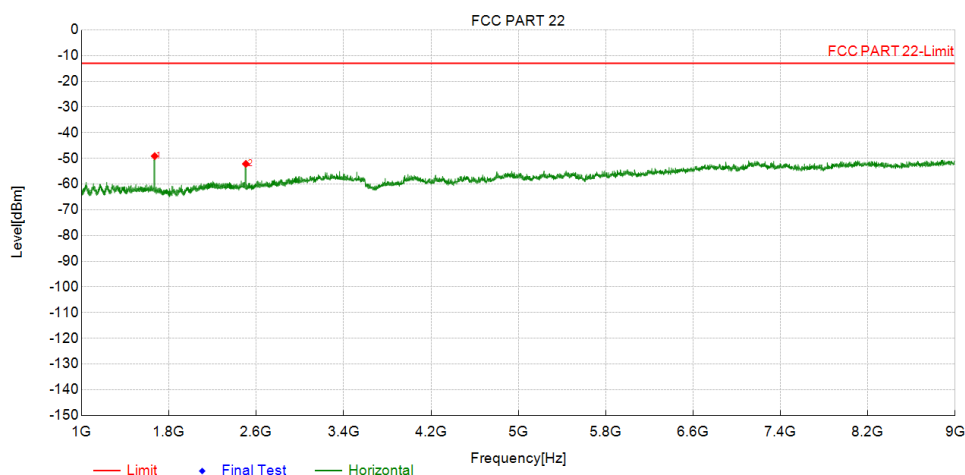
Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

CH26965

|                   |               |                          |                  |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 15MHz/QPSK    | MODE                     | TX channel 26965 |
| FREQUENCY RANGE   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

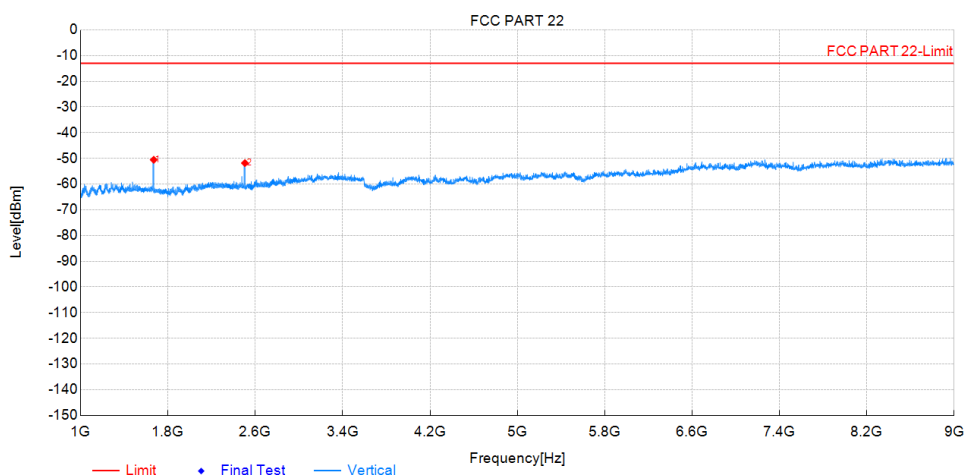
| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1669.7339       | -39.54        | -49.11      | -9.57       | -13.00      | 36.11       | Horizon  | PK       | PASS    |
| 2         | 2504.7009       | -46.12        | -52.13      | -6.01       | -13.00      | 39.13       | Horizon  | PK       | PASS    |



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

|                                                   |               |                          |                  |
|---------------------------------------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH                                 | 15MHz/QPSK    | MODE                     | TX channel 26965 |
| FREQUENCY RANGE                                   | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH  |
| INPUT POWER                                       | 120Vac 60HZ   | TESTED BY                | Carl Xie         |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |               |                          |                  |

| Data List |                 |               |             |             |             |             |          |          |         |
|-----------|-----------------|---------------|-------------|-------------|-------------|-------------|----------|----------|---------|
| NO.       | Frequency [MHz] | Reading [dBm] | Level [dBm] | Factor [dB] | Limit [dBm] | Margin [dB] | Polarity | Detector | Verdict |
| 1         | 1669.7339       | -40.95        | -50.54      | -9.59       | -13.00      | 37.54       | Vertical | PK       | PASS    |
| 2         | 2504.7009       | -45.93        | -51.82      | -5.89       | -13.00      | 38.82       | Vertical | PK       | PASS    |





Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

#### 4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## 5 INFORMATION ON THE TESTING LABORATORIES

We, Boomwave Test (Shenzhen) co., Ltd., were founded in 2025 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Boomwave Test (Shenzhen) Co., Ltd.

Lab Address:

Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan 4th Rd, Chiwan Comm, Zhaoshang St, Nanshan Dist, Shenzhen, Guangdong, Shenzhen, China

Accredited Test Lab Cert 7607.01

**Shenzhen EMC/RF Lab:**

**Mobile:** +86 15118052731

**Email:** [shimin.wang@boomwavelab.com](mailto:shimin.wang@boomwavelab.com)



Test Report No.: RF20260304B001-Part 22 Report(B5&B26)

## **6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications are made to the EUT by the lab during the test.

**--END--**