



FCC TEST REPORT (PART 90)

| | |
|------------|---|
| Applicant: | Xiaomi Communications Co., Ltd. |
| Address: | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085 |

| | |
|--------------------------|---|
| Manufacturer or Supplier | Xiaomi Communications Co., Ltd. |
| Address | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085 |
| Product | Mobile Phone |
| Brand Name | POCO |
| Model Name | 25078PC3EG |
| FCC ID | 2AFZZPC3EG |
| Date of tests | Apr. 17, 2025 ~ May. 22, 2025 |

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

- | | |
|---|--|
| <input checked="" type="checkbox"/> FCC Part 90, Subpart R, S | <input checked="" type="checkbox"/> ANSI/TIA/EIA-603-E |
| <input checked="" type="checkbox"/> ANSI/TIA/EIA-603- D | <input checked="" type="checkbox"/> ANSI C63.26-2015 |
| <input checked="" type="checkbox"/> FCC Part 2 | |

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

| | |
|---|--|
| Prepared by Hanwen Xu Engineer / Mobile Department | Approved by Peibo Sun Manager / Mobile Department |
| | |
| Date: May. 22, 2025 | Date: May. 22, 2025 |

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05

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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|-----------------------|-------------------|---------------|
| PSZ-QBJ2504140715RF05 | Original release | May. 22, 2025 |



1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 90 & Part 2 | | |
|--|------------------------------|--------|
| STANDARD SECTION | TEST TYPE AND LIMIT | RESULT |
| §2.1046 §90.635(b) | Conducted Output Power | PASS |
| §2.1055 §90.213 | Frequency Stability | PASS |
| §2.1049 §90.209 | Occupied Bandwidth | PASS |
| §2.1051 §90.691 | Emission Masks | PASS |
| §2.1051 §90.691 | Conducted Spurious Emissions | PASS |
| §2.1053 §90.691 | Radiated Spurious Emissions | PASS |

***Test Lab Information Reference**

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

Accredited Test Lab Cert 6613.01

The FCC Site Registration No. is 434559; The Designation No. is CN1325.

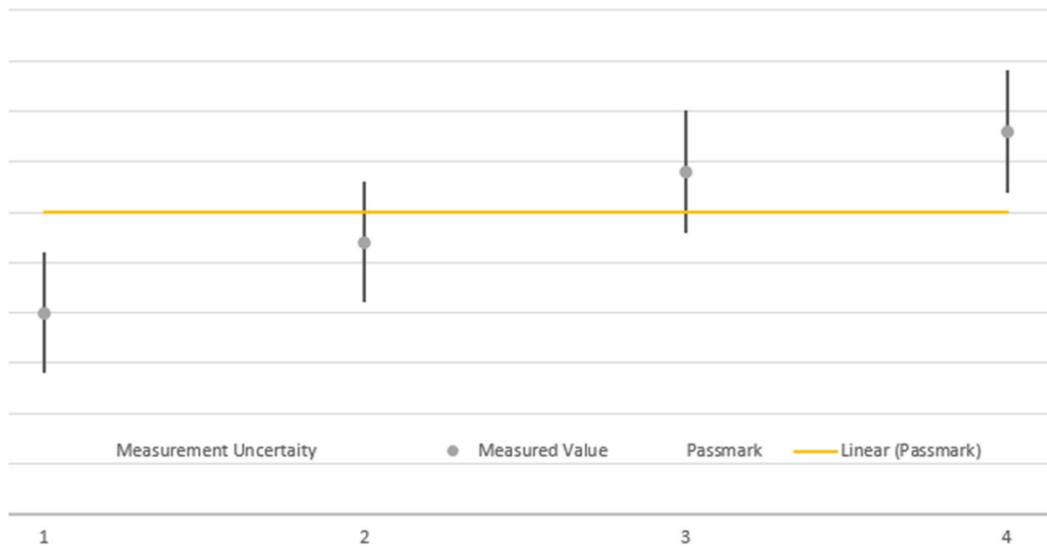


1.1 MEASUREMENT UNCERTAINTY

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

| MEASUREMENT | FREQUENCY | UNCERTAINTY |
|---------------------|---------------|-------------|
| Conducted emissions | 9kHz~30MHz | 2.66dB |
| Radiated emissions | 9KHz ~ 30MHz | 2.68dB |
| | 30MHz ~ 1GHz | 3.26dB |
| | 1GHz ~ 18GHz | 4.48dB |
| | 18GHz ~ 40GHz | 4.12dB |

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. |
|------------------------------------|------------------------------|------------------|-----------------------|-----------|-----------|
| Pre-Amplifier | R&S | SCU18F1 | 100815 | Aug.30,23 | Aug.29,25 |
| Pre-Amplifier | R&S | SCU08F1 | 101028 | Jan.22,24 | Jan.21,26 |
| Vector Signal Generator | R&S | SMBV100B | 102176 | Mar.29,24 | Mar.28,26 |
| Signal Generator | R&S | SMB100A | 182185 | Mar.29,24 | Mar.28,26 |
| 3m Fully-anechoic Chamber | TDK | 9m*6m*6m | HRSW-SZ-EMC-01Chamber | Nov.25,22 | Nov.24,25 |
| 3m Semi-anechoic Chamber | TDK | 9m*6m*6m | HRSW-SZ-EMC-02Chamber | Nov.25,22 | Nov.24,25 |
| EMI TEST Receiver | R&S | ESR26 | 101734 | Mar.28,24 | Mar.27,26 |
| EMI TEST Receiver | R&S | ESW44 | 101973 | Mar.28,24 | Mar.27,26 |
| Bilog Antenna | SCHWARZBECK | VULB 9163 | 1264 | Dec.26,23 | Dec.25,25 |
| Horn Antenna | ETS-LINDGREN | 3117 | 227836 | Aug.22,23 | Aug.21,25 |
| Horn Antenna (18GHz-40GHz) | Steatite Q-par Antennas | QMS 00880 | 23486 | Jul.15,24 | Jul.14,26 |
| Horn Antenna | Steatite Q-par Antennas | QMS 00208 | 23485 | Aug.22,23 | Aug.21,25 |
| Loop Antenna | SCHWARZ | HFH2-Z2/Z2E | 100976 | Feb.22,25 | Feb.21,27 |
| WIDEBANDRADIO COMMUNICATION TESTER | R&S | CMW500 | 169399 | Jun.19,24 | Jun.18,26 |
| Test Software | EMC32 | EMC32 | N/A | N/A | N/A |
| 6DB attenuator | Tonscend Technology Co., Ltd | N/A | 23062787 | N/A | N/A |
| Test Software | ELEKTRA | ELEKTRA4.32 | N/A | N/A | N/A |
| Open Switch and Control Unit | R&S | OSP220 | 101964 | N/A | N/A |
| DC Source | HYELEC | HY3010B | 551016 | Aug.31,23 | Aug.30,25 |
| Hygrothermograph | DELI | 20210528 | SZ014 | Sep.06,23 | Sep.05,25 |
| PC | LENOVO | E14 | HRSW0024 | N/A | N/A |
| TMC-AMI18843A(CABLE) | R&S | HF290-NMNM-7.00M | N/A | N/A | N/A |
| TMC-AMI18843A(CABLE) | R&S | HF290-NMNM-4.00M | N/A | N/A | N/A |
| CABLE | R&S | W13.02 | N/A | Apr.27,24 | Apr.26,25 |
| CABLE | R&S | W13.02 | N/A | Apr.26,25 | Apr.25,26 |
| CABLE | R&S | W12.14 | N/A | Apr.27,24 | Apr.26,25 |
| CABLE | R&S | W12.14 | N/A | Apr.26,25 | Apr.25,26 |
| CABLE | R&S | J12J103539-00-1 | SEP-03-20-069 | Apr.27,24 | Apr.26,25 |
| CABLE | R&S | J12J103539-00-1 | SEP-03-20-069 | Apr.26,25 | Apr.25,26 |
| CABLE | R&S | J12J103539-00-1 | SEP-03-20-070 | Apr.27,24 | Apr.26,25 |
| CABLE | R&S | J12J103539-00-1 | SEP-03-20-070 | Apr.26,25 | Apr.25,26 |
| Temperature Chamber | votsch | VT4002 | 58566078100050 | May.30,24 | May.29,26 |



Test Report No.: PSZ-QBJ2504140715RF05

NOTE:

1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/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 434559; The Designation No. is CN1325.



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | | |
|------------------------------|---|---------------------|
| PRODUCT | Mobile Phone | |
| BRAND NAME | POCO | |
| MODEL NAME | 25078PC3EG | |
| NOMINAL VOLTAGE | 5/3.6-11V dc (adapter or host equipment) 3.91Vdc (Li-ion, battery) | |
| MODULATION TECHNOLOGY | LTE | QPSK, 16QAM, 64QAM |
| FREQUENCY RANGE | LTE Band 26 (Channel Bandwidth: 1.4MHz) | 814.7MHz ~ 823.3MHz |
| | LTE Band 26 (Channel Bandwidth: 3MHz) | 815.5MHz ~ 822.5MHz |
| | LTE Band 26 (Channel Bandwidth: 5MHz) | 816.5MHz ~ 821.5MHz |
| | LTE Band 26 (Channel Bandwidth: 10MHz) | 819MHz |
| EMISSION DESIGNATOR | LTE Band 26 (Channel Bandwidth: 1.4MHz) | QPSK: 1M09G7D |
| | | 16QAM: 1M10W7D |
| | | 64QAM: 1M09W7D |
| | LTE Band 26 (Channel Bandwidth: 3MHz) | QPSK: 2M69G7D |
| | | 16QAM: 2M68W7D |
| | | 64QAM: 2M69W7D |
| | LTE Band 26 (Channel Bandwidth: 5MHz) | QPSK: 4M50G7D |
| | | 16QAM: 4M49W7D |
| | | 64QAM: 4M50W7D |
| | LTE Band 26 (Channel Bandwidth: 10MHz) | QPSK: 8M99G7D |
| | | 16QAM: 8M98W7D |
| | | 64QAM: 8M99W7D |
| MAX. EIRP POWER_ANT1 | LTE Band 26 (Channel Bandwidth: 1.4MHz) | 43.15mW |
| | LTE Band 26 (Channel Bandwidth: 3MHz) | 43.35mW |
| | LTE Band 26 (Channel Bandwidth: 5MHz) | 43.35mW |
| | LTE Band 26 (Channel Bandwidth: 10MHz) | 44.06mW |
| MAX. EIRP POWER_ANT4 | LTE Band 26 (Channel Bandwidth: 1.4MHz) | 50.70mW |
| | LTE Band 26 (Channel Bandwidth: 3MHz) | 52.12mW |
| | LTE Band 26 (Channel Bandwidth: 5MHz) | 50.70mW |
| | LTE Band 26 (Channel Bandwidth: 10MHz) | 52.24mW |



| | |
|----------------------------|--|
| ANTENNA GAIN | ant 1: -5.9dBi ant 4: -5.1dBi |
| ANTENNA TYPE | Main antenna: PIFA Antenna Div antenna: PIFA Antenna |
| HW VERSION | 13510P15A |
| SW VERSION | Xiaomi HyperOS 2.2 |
| I/O PORTS | Refer to user's manual |
| DATA CABLE | USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable3: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable4: non-shielded cable, with w/o ferrite core, 1.0 meter |
| EXTREME TEMPERATURE | 0~40°C |
| EXTREME VOLTAGE | 3.71V-4.3V |

NOTE:

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

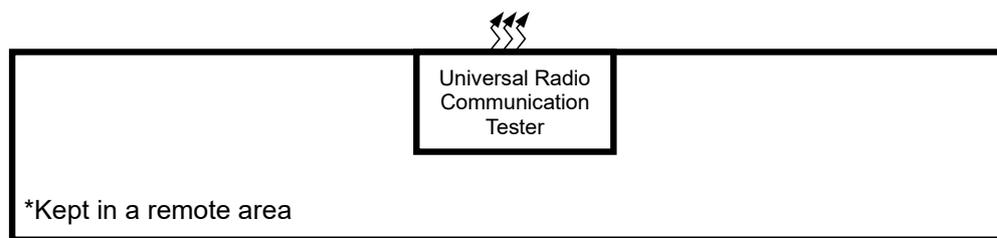
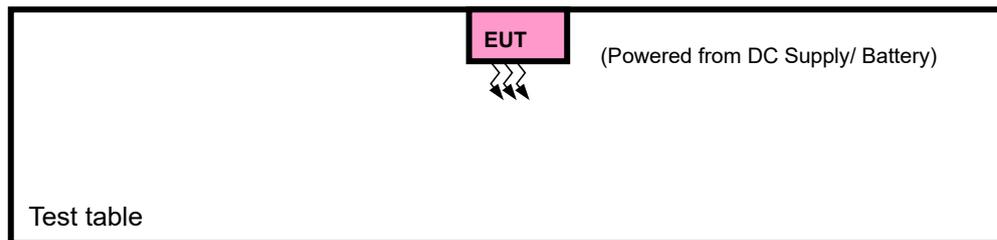
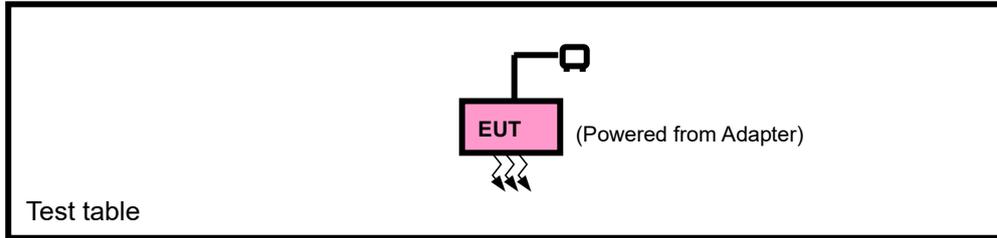
| MODULATION MODE | TX FUNCTION |
|------------------------|--------------------|
| LTE | 1TX/1RX |

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



2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





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 | N/A | N/A | N/A | N/A | N/A |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|-----|---|
| 1 | USB Line: non-shielded cable, Detachable 1.0m; |



2.4 DESCRIPTION OF TEST MODES

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/EIRP 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 + USB Cable with LTE link |
| B | EUT + Battery with LTE link |



LTE BAND 26 MODE

| EUT CONFIGURE MODE | TEST ITEM | AVAILABLE CHANNEL | TESTED CHANNEL | CHANNEL BANDWIDTH | MODULATION | MODE | | |
|--------------------|---------------------|-------------------|---------------------|-------------------|---------------------|--|------|--------------------|
| A | ERP | 26697 to 26783 | 26697, 23330, 26783 | 1.4MHz | QPSK, 16QAM, 64QAM | 1 RB / 0 RB offset | | |
| | | 26705 to 26775 | 26705, 23330, 26775 | 3MHz | QPSK, 16QAM, 64QAM | 1 RB / 0 RB offset | | |
| | | 26715 to 26765 | 26715, 23330, 26765 | 5MHz | QPSK, 16QAM, 64QAM | 1 RB / 0 RB offset | | |
| | | 23330 | 23330 | 10MHz | QPSK, 16QAM, 64QAM | 1 RB / 0 RB offset | | |
| B | FREQUENCY STABILITY | 26715 to 26765 | 26715, 26765 | 5MHz | QPSK | 50 RB / 0 RB offset | | |
| A | OCCUPIED BANDWIDTH | 26697 to 26783 | 26697, 23330, 26783 | 1.4MHz | QPSK, 16QAM, 64QAM | 6 RB / 0 RB offset | | |
| | | 26705 to 26775 | 26705, 23330, 26775 | 3MHz | QPSK, 16QAM, 64QAM | 15 RB / 0 RB offset | | |
| | | 26715 to 26765 | 26715, 23330, 26765 | 5MHz | QPSK, 16QAM, 64QAM | 25 RB / 0 RB offset | | |
| | | 23330 | 23330 | 10MHz | QPSK, 16QAM, 64QAM | 50 RB / 0 RB offset | | |
| A | BAND EDGE | 26697 to 26783 | 26697 | 1.4MHz | QPSK,16QAM,64QAM | 1 RB / 0 RB offset 6 RB / 0 RB offset | | |
| | | | 26783 | 1.4MHz | QPSK,16QAM,64QAM | 1 RB / 5 RB offset 6 RB / 0 RB offset | | |
| | | 26705 to 26775 | 26705 | 3MHz | QPSK,16QAM,64QAM | 1 RB / 0 RB offset 15 RB / 0 RB offset | | |
| | | | 26775 | 3MHz | QPSK,16QAM,64QAM | 1 RB / 14 RB offset 15 RB / 0 RB offset | | |
| | | 26715 to 26765 | 26715 | 5MHz | QPSK,16QAM,64QAM | 1 RB / 0 RB offset 25 RB / 0 RB offset | | |
| | | | 26765 | 5MHz | QPSK,16QAM,64QAM | 1 RB / 24 RB offset 25 RB / 0 RB offset | | |
| | | 23330 | 23330 | 10MHz | QPSK,16QAM,64QAM | 1 RB / 0 RB offset 50 RB / 0 RB offset | | |
| | | | 23330 | 10MHz | QPSK,16QAM,64QAM | 1 RB / 49 RB offset 50 RB / 0 RB offset | | |
| | | A | CONDUCTED EMISSION | 26697 to 26783 | 26697, 23330, 26783 | 1.4MHz | QPSK | 1 RB / 0 RB offset |
| | | | | 26705 to 26775 | 26705, 23330, 26775 | 3MHz | QPSK | 1 RB / 0 RB offset |
| | | | | 26715 to 26765 | 26715, 23330, 26765 | 5MHz | QPSK | 1 RB / 0 RB offset |
| | | | | 23330 | 23330 | 10MHz | QPSK | 1 RB / 0 RB offset |



| | | | | | | |
|---|-----------------------|----------------|---------------------|--------|------------------|--------------------|
| A | PEAK-TO-AVERAGE RATIO | 23330 | 23330 | 10MHz | QPSK,16QAM,64QAM | 1 RB / 0 RB offset |
| A | RADIATED EMISSION | 26697 to 26783 | 23330 | 1.4MHz | QPSK | 1 RB / 0 RB offset |
| | | 26705 to 26775 | 26705, 23330, 26775 | 3MHz | QPSK | 1 RB / 0 RB offset |
| | | 26715 to 26765 | 23330 | 5MHz | QPSK | 1 RB / 0 RB offset |
| | | 23330 | 23330 | 10MHz | QPSK | 1 RB / 0 RB offset |

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

| TEST CONDITION | | | |
|-----------------------|---------------------------------|----------------------------------|------------------|
| TEST ITEM | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY |
| EIRP(ERP) | 24deg. C, 60%RH | DC 5/3.6-11V dc By Adapter | Hanwen Xu |
| FREQUENCY STABILITY | 24deg. C, 61%RH | DC 3.71V/ 3.91V/ 4.3V By Battery | Hanwen Xu |
| OCCUPIED BANDWIDTH | 24deg. C, 61%RH | DC 5/3.6-11V dc By Adapter | Hanwen Xu |
| BAND EDGE | 24deg. C, 61%RH | DC 5/3.6-11V dc By Adapter | Hanwen Xu |
| CONDUCTED EMISSION | 24deg. C, 61%RH | DC 5/3.6-11V dc By Adapter | Hanwen Xu |
| RADIATED EMISSION | 23deg. C, 70%RH | DC 5/3.6-11V dc By Adapter | Hanwen Xu |



2.5 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 90

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

Per FCC Part 90.635(a)(b)

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

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_{Meas} , typically dBW or dBm);

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

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

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

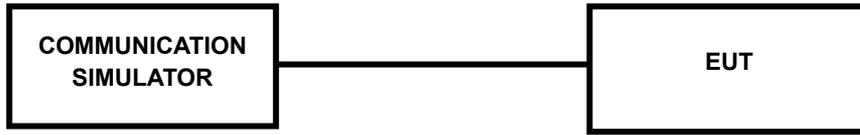
CONDUCTED POWER MEASUREMENT:

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



3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



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



3.1.4 TEST RESULTS
CONDUCTED OUTPUT POWER (dBm)

ANT1:

| LTE Band 26_ANT1 | | | | | | |
|------------------|------------|---------|-----------|---------------------|-------------------|---------------------|
| Band/BW | Modulation | RB Size | RB offset | Low CH 26697 | Mid CH 23330 | High CH 26783 |
| | | | | Frequency 814.7 MHz | Frequency 819 MHz | Frequency 823.3 MHz |
| 26/ 1.4 | QPSK | 1 | 0 | 24.22 | 24.19 | 24.12 |
| | | 1 | 2 | 24.27 | 24.40 | 24.22 |
| | | 1 | 5 | 24.28 | 24.36 | 24.28 |
| | | 3 | 0 | 23.99 | 24.09 | 24.33 |
| | | 3 | 1 | 24.18 | 24.24 | 24.15 |
| | | 3 | 3 | 24.21 | 24.14 | 24.19 |
| | 16QAM | 1 | 0 | 23.52 | 23.55 | 23.60 |
| | | 1 | 2 | 23.40 | 23.70 | 23.62 |
| | | 1 | 5 | 23.55 | 23.54 | 23.39 |
| | | 3 | 0 | 23.20 | 23.35 | 23.24 |
| | | 3 | 1 | 23.21 | 23.25 | 23.19 |
| | | 3 | 3 | 23.22 | 23.34 | 23.25 |
| | 64QAM | 6 | 0 | 22.48 | 22.58 | 22.44 |
| | | 1 | 0 | 22.57 | 22.59 | 22.40 |
| | | 1 | 2 | 22.56 | 22.71 | 22.74 |
| | | 1 | 5 | 22.40 | 22.55 | 22.51 |
| | | 3 | 0 | 22.03 | 22.36 | 22.26 |
| | | 3 | 1 | 22.23 | 22.34 | 22.46 |
| 26/ 3 | QPSK | 3 | 3 | 22.20 | 22.19 | 22.27 |
| | | 6 | 0 | 21.33 | 21.40 | 21.35 |
| | | 1 | 0 | 24.35 | 24.32 | 24.42 |
| | | 1 | 7 | 24.41 | 24.29 | 24.41 |
| | | 1 | 14 | 24.41 | 24.19 | 24.29 |
| | | 8 | 0 | 23.32 | 23.53 | 23.46 |
| | 16QAM | 8 | 3 | 23.36 | 23.61 | 23.73 |
| | | 8 | 7 | 23.57 | 23.49 | 23.44 |
| | | 15 | 0 | 23.39 | 23.49 | 23.64 |
| | | 1 | 0 | 23.79 | 23.58 | 23.72 |
| | | 1 | 7 | 23.69 | 23.83 | 23.76 |
| | | 1 | 14 | 23.68 | 23.65 | 23.56 |
| | 64QAM | 8 | 0 | 22.45 | 22.47 | 22.54 |
| | | 8 | 3 | 22.39 | 22.64 | 22.56 |
| | | 8 | 7 | 22.51 | 22.47 | 22.58 |
| | | 15 | 0 | 22.50 | 22.69 | 22.60 |
| | | 1 | 0 | 22.69 | 22.77 | 22.67 |
| | | 1 | 7 | 22.73 | 22.68 | 22.77 |
| 64QAM | 1 | 14 | 22.64 | 22.74 | 22.61 | |
| | 8 | 0 | 21.49 | 21.59 | 21.46 | |
| | 8 | 3 | 21.43 | 21.58 | 21.63 | |
| | 8 | 7 | 21.45 | 21.55 | 21.41 | |
| | 15 | 0 | 21.36 | 21.68 | 21.65 | |



| LTE Band 26_ANT1 | | | | | | |
|------------------|------------|---------|-----------|---------------------|-------------------|---------------------|
| Band/BW | Modulation | RB Size | RB offset | Low CH 26715 | Mid CH 23330 | High CH 26765 |
| | | | | Frequency 816.5 MHz | Frequency 819 MHz | Frequency 821.5 MHz |
| 26/ 5 | QPSK | 1 | 0 | 24.41 | 24.36 | 24.39 |
| | | 1 | 12 | 24.38 | 24.26 | 24.35 |
| | | 1 | 24 | 24.42 | 24.14 | 24.34 |
| | | 12 | 0 | 23.45 | 23.49 | 23.57 |
| | | 12 | 6 | 23.43 | 23.65 | 23.69 |
| | | 12 | 13 | 23.56 | 23.60 | 23.40 |
| | | 25 | 0 | 23.43 | 23.55 | 23.55 |
| | 16QAM | 1 | 0 | 23.65 | 23.61 | 23.70 |
| | | 1 | 12 | 23.67 | 23.78 | 23.66 |
| | | 1 | 24 | 23.78 | 23.60 | 23.48 |
| | | 12 | 0 | 22.48 | 22.48 | 22.53 |
| | | 12 | 6 | 22.47 | 22.56 | 22.56 |
| | | 12 | 13 | 22.56 | 22.40 | 22.51 |
| | | 25 | 0 | 22.49 | 22.71 | 22.62 |
| | 64QAM | 1 | 0 | 22.70 | 22.79 | 22.61 |
| | | 1 | 12 | 22.75 | 22.81 | 22.78 |
| | | 1 | 24 | 22.61 | 22.63 | 22.57 |
| | | 12 | 0 | 21.51 | 21.55 | 21.45 |
| | | 12 | 6 | 21.50 | 21.55 | 21.59 |
| | | 12 | 13 | 21.39 | 21.54 | 21.49 |
| | | 25 | 0 | 21.40 | 21.71 | 21.55 |
| Band/BW | Modulation | RB Size | RB offset | / | Mid CH 23330 | / |
| | | | | / | Frequency 819 MHz | / |
| 26/ 10 | QPSK | 1 | 0 | / | 24.43 | / |
| | | 1 | 24 | / | 24.49 | / |
| | | 1 | 49 | / | 24.47 | / |
| | | 25 | 0 | / | 23.46 | / |
| | | 25 | 12 | / | 23.49 | / |
| | | 25 | 25 | / | 23.67 | / |
| | | 50 | 0 | / | 23.45 | / |
| | 16QAM | 1 | 0 | / | 23.80 | / |
| | | 1 | 24 | / | 23.74 | / |
| | | 1 | 49 | / | 23.82 | / |
| | | 25 | 0 | / | 22.58 | / |
| | | 25 | 12 | / | 22.50 | / |
| | | 25 | 25 | / | 22.61 | / |
| | | 50 | 0 | / | 22.54 | / |
| | 64QAM | 1 | 0 | / | 22.82 | / |
| | | 1 | 24 | / | 22.84 | / |
| | | 1 | 49 | / | 22.71 | / |
| | | 25 | 0 | / | 21.58 | / |
| | | 25 | 12 | / | 21.57 | / |
| | | 25 | 25 | / | 21.53 | / |
| | | 50 | 0 | / | 21.46 | / |



ANT4:

| LTE Band 26_ANT4 | | | | | | |
|------------------|------------|---------|-----------|---------------------|-------------------|---------------------|
| Band/BW | Modulation | RB Size | RB offset | Low CH 26697 | Mid CH 23330 | High CH 26783 |
| | | | | Frequency 814.7 MHz | Frequency 819 MHz | Frequency 823.3 MHz |
| 26/ 1.4 | QPSK | 1 | 0 | 23.92 | 24.04 | 24.14 |
| | | 1 | 2 | 24.18 | 24.25 | 24.30 |
| | | 1 | 5 | 24.09 | 24.12 | 24.18 |
| | | 3 | 0 | 24.11 | 24.12 | 23.91 |
| | | 3 | 1 | 23.99 | 24.20 | 24.08 |
| | | 3 | 3 | 23.94 | 23.94 | 24.17 |
| | | 6 | 0 | 23.15 | 23.20 | 23.27 |
| | 16QAM | 1 | 0 | 23.31 | 23.27 | 23.48 |
| | | 1 | 2 | 23.43 | 23.34 | 23.62 |
| | | 1 | 5 | 23.30 | 23.33 | 23.44 |
| | | 3 | 0 | 23.00 | 23.24 | 23.07 |
| | | 3 | 1 | 23.11 | 23.06 | 23.16 |
| | | 3 | 3 | 23.03 | 23.15 | 23.08 |
| | | 6 | 0 | 22.10 | 22.34 | 22.25 |
| | 64QAM | 1 | 0 | 22.20 | 22.25 | 22.30 |
| | | 1 | 2 | 22.31 | 22.45 | 22.35 |
| | | 1 | 5 | 22.21 | 22.37 | 22.15 |
| | | 3 | 0 | 21.92 | 22.08 | 22.15 |
| | | 3 | 1 | 21.99 | 22.26 | 22.18 |
| | | 3 | 3 | 22.02 | 22.07 | 22.18 |
| | | 6 | 0 | 21.05 | 21.15 | 21.21 |
| Band/BW | Modulation | RB Size | RB offset | Low CH 26705 | Mid CH 23330 | High CH 26775 |
| | | | | Frequency 815.5 MHz | Frequency 819 MHz | Frequency 822.5 MHz |
| 26/ 3 | QPSK | 1 | 0 | 24.01 | 23.97 | 24.15 |
| | | 1 | 7 | 24.38 | 24.25 | 24.29 |
| | | 1 | 14 | 24.42 | 24.15 | 24.26 |
| | | 8 | 0 | 23.39 | 23.12 | 23.26 |
| | | 8 | 3 | 23.36 | 23.37 | 23.45 |
| | | 8 | 7 | 23.47 | 23.29 | 23.27 |
| | | 15 | 0 | 23.36 | 23.22 | 23.43 |
| | 16QAM | 1 | 0 | 23.32 | 23.45 | 23.60 |
| | | 1 | 7 | 23.50 | 23.53 | 23.73 |
| | | 1 | 14 | 23.66 | 23.30 | 23.62 |
| | | 8 | 0 | 22.36 | 22.43 | 22.48 |
| | | 8 | 3 | 22.41 | 22.36 | 22.54 |
| | | 8 | 7 | 22.46 | 22.32 | 22.17 |
| | | 15 | 0 | 22.20 | 22.42 | 22.63 |
| | 64QAM | 1 | 0 | 22.41 | 22.53 | 22.43 |
| | | 1 | 7 | 22.61 | 22.32 | 22.33 |
| | | 1 | 14 | 22.35 | 22.26 | 22.34 |
| | | 8 | 0 | 21.15 | 21.49 | 21.27 |
| | | 8 | 3 | 21.19 | 21.46 | 21.42 |
| | | 8 | 7 | 21.25 | 21.50 | 21.37 |
| | | 15 | 0 | 21.29 | 21.41 | 21.40 |



| LTE Band 26_ANT4 | | | | | | |
|------------------|------------|---------|-----------|---------------------|-------------------|---------------------|
| Band/BW | Modulation | RB Size | RB offset | Low CH 26715 | Mid CH 23330 | High CH 26765 |
| | | | | Frequency 816.5 MHz | Frequency 819 MHz | Frequency 821.5 MHz |
| 26/ 5 | QPSK | 1 | 0 | 24.13 | 24.00 | 24.20 |
| | | 1 | 12 | 24.30 | 24.16 | 24.30 |
| | | 1 | 24 | 24.28 | 24.22 | 24.15 |
| | | 12 | 0 | 23.42 | 23.13 | 23.23 |
| | | 12 | 6 | 23.29 | 23.42 | 23.41 |
| | | 12 | 13 | 23.36 | 23.34 | 23.27 |
| | | 25 | 0 | 23.30 | 23.29 | 23.38 |
| | 16QAM | 1 | 0 | 23.43 | 23.53 | 23.49 |
| | | 1 | 12 | 23.39 | 23.46 | 23.73 |
| | | 1 | 24 | 23.76 | 23.33 | 23.54 |
| | | 12 | 0 | 22.35 | 22.48 | 22.48 |
| | | 12 | 6 | 22.36 | 22.41 | 22.50 |
| | | 12 | 13 | 22.46 | 22.42 | 22.22 |
| | | 25 | 0 | 22.30 | 22.36 | 22.59 |
| | 64QAM | 1 | 0 | 22.38 | 22.66 | 22.33 |
| | | 1 | 12 | 22.71 | 22.39 | 22.38 |
| | | 1 | 24 | 22.32 | 22.22 | 22.44 |
| | | 12 | 0 | 21.18 | 21.48 | 21.20 |
| | | 12 | 6 | 21.15 | 21.50 | 21.38 |
| | | 12 | 13 | 21.30 | 21.45 | 21.38 |
| | | 25 | 0 | 21.36 | 21.45 | 21.45 |
| Band/BW | Modulation | RB Size | RB offset | / | Mid CH 23330 | / |
| | | | | / | Frequency 819 MHz | / |
| 26/ 10 | QPSK | 1 | 0 | / | 24.29 | / |
| | | 1 | 24 | / | 24.43 | / |
| | | 1 | 49 | / | 24.28 | / |
| | | 25 | 0 | / | 23.34 | / |
| | | 25 | 12 | / | 23.54 | / |
| | | 25 | 25 | / | 23.37 | / |
| | | 50 | 0 | / | 23.51 | / |
| | 16QAM | 1 | 0 | / | 23.63 | / |
| | | 1 | 24 | / | 23.76 | / |
| | | 1 | 49 | / | 23.64 | / |
| | | 25 | 0 | / | 22.52 | / |
| | | 25 | 12 | / | 22.60 | / |
| | | 25 | 25 | / | 22.24 | / |
| | | 50 | 0 | / | 22.68 | / |
| | 64QAM | 1 | 0 | / | 22.45 | / |
| | | 1 | 24 | / | 22.45 | / |
| | | 1 | 49 | / | 22.48 | / |
| | | 25 | 0 | / | 21.29 | / |
| | | 25 | 12 | / | 21.52 | / |
| | | 25 | 25 | / | 21.48 | / |
| | | 50 | 0 | / | 21.52 | / |



ERP

ANT1:

| LTE BAND 26 | | | | | | |
|-------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 1.4MHz QPSK | | | | | | |
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26697 | 814.7 | 24.28 | -5.9 | 16.23 | 41.98 | 100 |
| 23330 | 819 | 24.40 | -5.9 | 16.35 | 43.15 | 100 |
| 26783 | 823.3 | 24.33 | -5.9 | 16.28 | 42.46 | 100 |

| 1.4MHz 16QAM | | | | | | |
|--------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26697 | 814.7 | 23.55 | -5.9 | 15.50 | 35.48 | 100 |
| 23330 | 819 | 23.70 | -5.9 | 15.65 | 36.73 | 100 |
| 26783 | 823.3 | 23.62 | -5.9 | 15.57 | 36.06 | 100 |

| 1.4MHz 64QAM | | | | | | |
|--------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26697 | 814.7 | 22.57 | -5.9 | 14.52 | 28.31 | 100 |
| 23330 | 819 | 22.71 | -5.9 | 14.66 | 29.24 | 100 |
| 26783 | 823.3 | 22.74 | -5.9 | 14.69 | 29.44 | 100 |



| 3MHz QPSK | | | | | | |
|-----------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26705 | 815.5 | 24.41 | -5.9 | 16.36 | 43.25 | 100 |
| 23330 | 819 | 24.32 | -5.9 | 16.27 | 42.36 | 100 |
| 26775 | 822.5 | 24.42 | -5.9 | 16.37 | 43.35 | 100 |

| 3MHz 16QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26705 | 815.5 | 23.79 | -5.9 | 15.74 | 37.50 | 100 |
| 23330 | 819 | 23.83 | -5.9 | 15.78 | 37.84 | 100 |
| 26775 | 822.5 | 23.76 | -5.9 | 15.71 | 37.24 | 100 |

| 3MHz 64QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26705 | 815.5 | 22.73 | -5.9 | 14.68 | 29.38 | 100 |
| 23330 | 819 | 22.77 | -5.9 | 14.72 | 29.65 | 100 |
| 26775 | 822.5 | 22.77 | -5.9 | 14.72 | 29.65 | 100 |



| 5MHz QPSK | | | | | | |
|-----------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26715 | 816.5 | 24.42 | -5.9 | 16.37 | 43.35 | 100 |
| 23330 | 819 | 24.36 | -5.9 | 16.31 | 42.76 | 100 |
| 26765 | 821.5 | 24.39 | -5.9 | 16.34 | 43.05 | 100 |

| 5MHz 16QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26715 | 816.5 | 23.78 | -5.9 | 15.73 | 37.41 | 100 |
| 23330 | 819 | 23.78 | -5.9 | 15.73 | 37.41 | 100 |
| 26765 | 821.5 | 23.70 | -5.9 | 15.65 | 36.73 | 100 |

| 5MHz 64QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26715 | 816.5 | 22.75 | -5.9 | 14.70 | 29.51 | 100 |
| 23330 | 819 | 22.81 | -5.9 | 14.76 | 29.92 | 100 |
| 26765 | 821.5 | 22.78 | -5.9 | 14.73 | 29.72 | 100 |



| 10MHz QPSK | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 23330 | 819 | 24.49 | -5.9 | 16.44 | 44.06 | 100 |

| 10MHz 16QAM | | | | | | |
|-------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 23330 | 819 | 23.82 | -5.9 | 15.77 | 37.76 | 100 |

| 10MHz 64QAM | | | | | | |
|-------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 23330 | 819 | 22.84 | -5.9 | 14.79 | 30.13 | 100 |

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



ANT4:

| LTE BAND 26 | | | | | | |
|-------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 1.4MHz QPSK | | | | | | |
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26697 | 814.7 | 24.18 | -5.1 | 16.93 | 49.32 | 100 |
| 23330 | 819 | 24.25 | -5.1 | 17.00 | 50.12 | 100 |
| 26783 | 823.3 | 24.30 | -5.1 | 17.05 | 50.70 | 100 |

| 1.4MHz 16QAM | | | | | | |
|--------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26697 | 814.7 | 23.43 | -5.1 | 16.18 | 41.50 | 100 |
| 23330 | 819 | 23.34 | -5.1 | 16.09 | 40.64 | 100 |
| 26783 | 823.3 | 23.62 | -5.1 | 16.37 | 43.35 | 100 |

| 1.4MHz 64QAM | | | | | | |
|--------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26697 | 814.7 | 22.31 | -5.1 | 15.06 | 32.06 | 100 |
| 23330 | 819 | 22.45 | -5.1 | 15.20 | 33.11 | 100 |
| 26783 | 823.3 | 22.35 | -5.1 | 15.10 | 32.36 | 100 |



| 3MHz QPSK | | | | | | |
|-----------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26705 | 815.5 | 24.42 | -5.1 | 17.17 | 52.12 | 100 |
| 23330 | 819 | 24.25 | -5.1 | 17.00 | 50.12 | 100 |
| 26775 | 822.5 | 24.29 | -5.1 | 17.04 | 50.58 | 100 |

| 3MHz 16QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26705 | 815.5 | 23.66 | -5.1 | 16.41 | 43.75 | 100 |
| 23330 | 819 | 23.53 | -5.1 | 16.28 | 42.46 | 100 |
| 26775 | 822.5 | 23.73 | -5.1 | 16.48 | 44.46 | 100 |

| 3MHz 64QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26705 | 815.5 | 22.61 | -5.1 | 15.36 | 34.36 | 100 |
| 23330 | 819 | 22.53 | -5.1 | 15.28 | 33.73 | 100 |
| 26775 | 822.5 | 22.43 | -5.1 | 15.18 | 32.96 | 100 |



| 5MHz QPSK | | | | | | |
|-----------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26715 | 816.5 | 24.30 | -5.1 | 17.05 | 50.70 | 100 |
| 23330 | 819 | 24.22 | -5.1 | 16.97 | 49.77 | 100 |
| 26765 | 821.5 | 24.30 | -5.1 | 17.05 | 50.70 | 100 |

| 5MHz 16QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26715 | 816.5 | 23.76 | -5.1 | 16.51 | 44.77 | 100 |
| 23330 | 819 | 23.53 | -5.1 | 16.28 | 42.46 | 100 |
| 26765 | 821.5 | 23.73 | -5.1 | 16.48 | 44.46 | 100 |

| 5MHz 64QAM | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 26715 | 816.5 | 22.71 | -5.1 | 15.46 | 35.16 | 100 |
| 23330 | 819 | 22.66 | -5.1 | 15.41 | 34.75 | 100 |
| 26765 | 821.5 | 22.44 | -5.1 | 15.19 | 33.04 | 100 |



| 10MHz QPSK | | | | | | |
|------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 23330 | 819 | 24.43 | -5.1 | 17.18 | 52.24 | 100 |

| 10MHz 16QAM | | | | | | |
|-------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 23330 | 819 | 23.76 | -5.1 | 16.51 | 44.77 | 100 |

| 10MHz 64QAM | | | | | | |
|-------------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
| 23330 | 819 | 22.48 | -5.1 | 15.23 | 33.34 | 100 |

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



3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

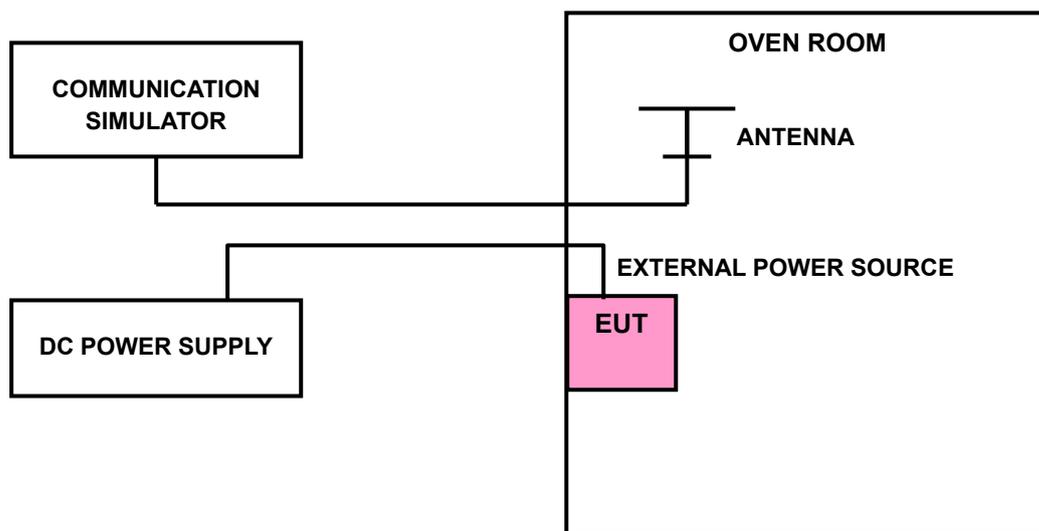
The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked

3.2.2 TEST PROCEDURE

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP





3.2.4 TEST RESULTS

Please Refer to Appendix of this test report.

Note: VL = Low voltage(3.71V); VN/NV = Normal voltage(3.91V); VH = High voltage(4.3V);

NT = Normal temperature (25°C)

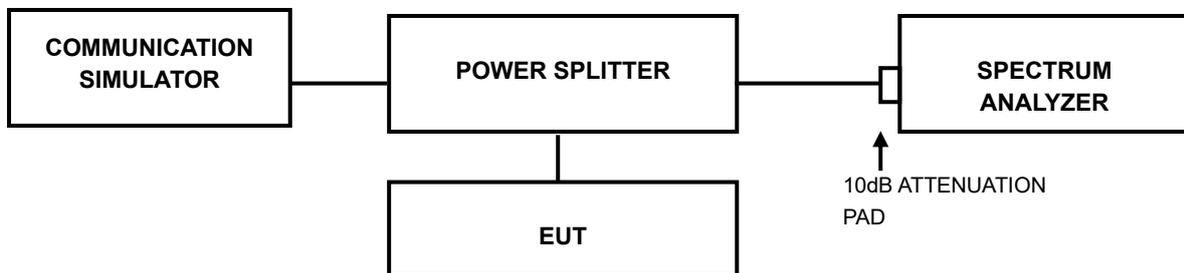


3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

Please Refer to Appendix of this test report.



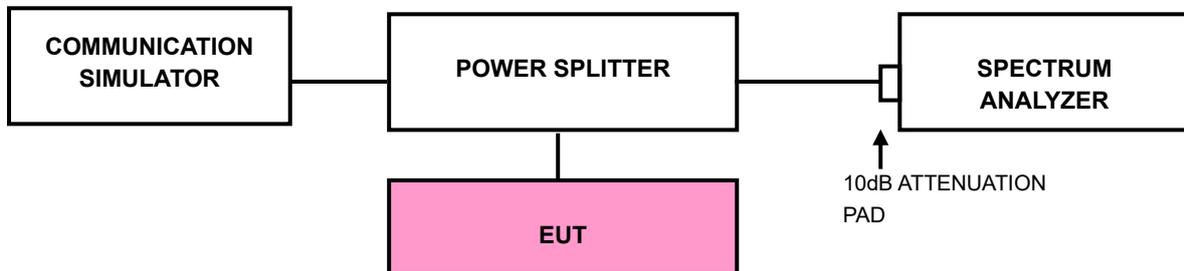
3.4 EMISSION MASK MEASUREMENT

3.4.1 LIMITS OF EMISSION MASK MEASUREMENT

According to FCC part 90.691 shall be tested the emission mask. For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \text{ Log}_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

3.4.2 TEST SETUP





3.4.3 TEST PROCEDURES

- a) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- b) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
- c) Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- d) Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- e) Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- f) Select the average power (RMS) display detector.
- g) Set the number of measurement points to ≥ 1001 .
- h) Use auto-coupled sweep time.
- i) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- j) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- k) Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please Refer to Appendix of this test report.



3.5 CONDUCTED SPURIOUS EMISSIONS

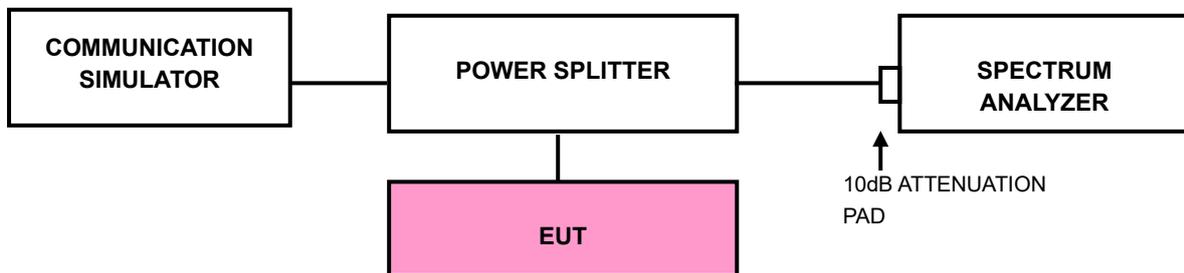
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

3.5.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at middle operational frequency range.
- b. Measuring frequency range is from 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05

3.5.4 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.

Please Refer to Appendix of this test report.



3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

(1) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13 dBm

(2) For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

3.6.2 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. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

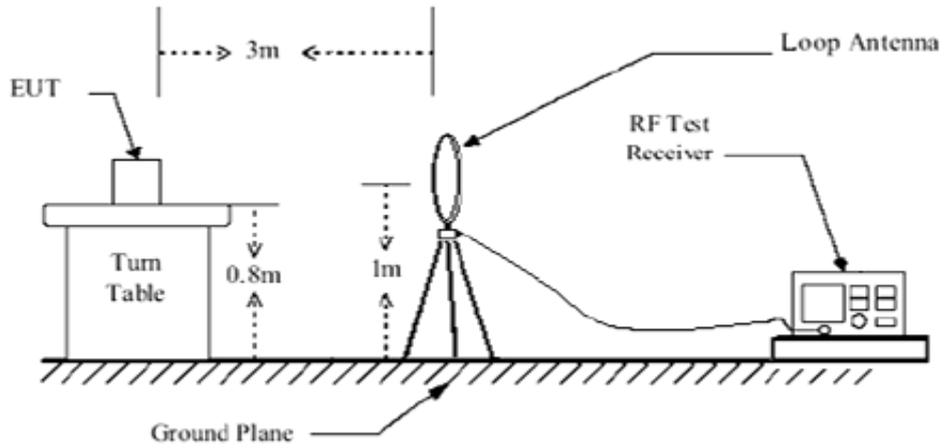
3.6.3 DEVIATION FROM TEST STANDARD

No deviation

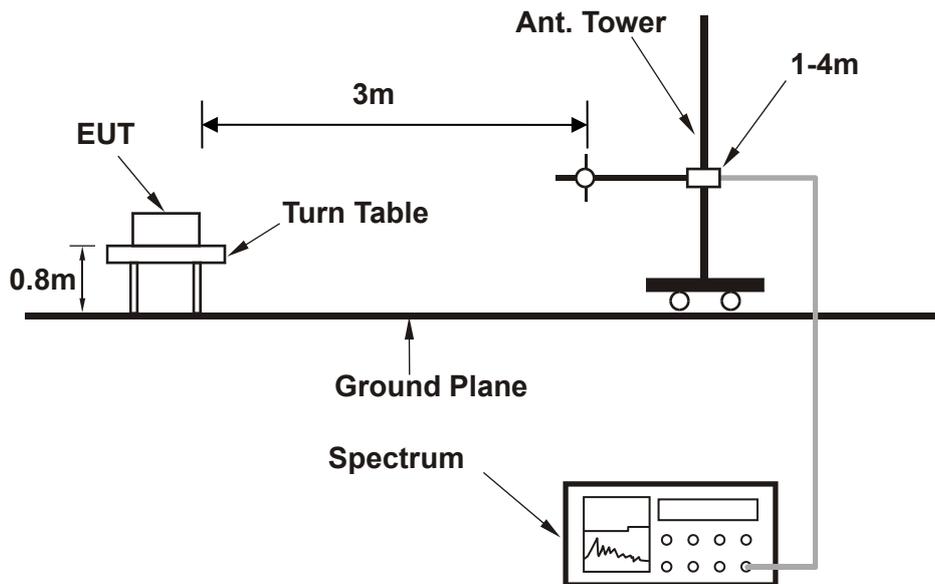


3.6.4 TEST SETUP

<Below 30MHz>

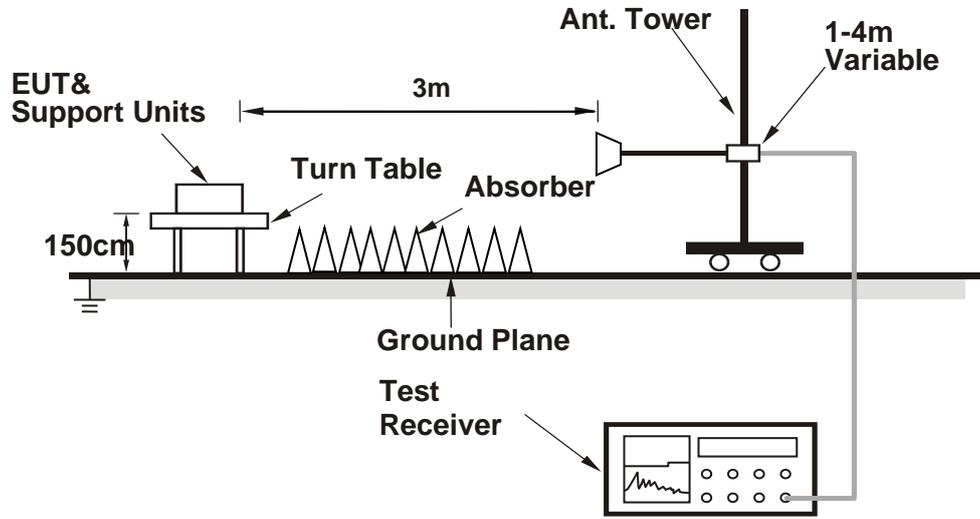


< Frequency Range 30MHz~1GHz >





< Frequency Range above 1GHz >



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



3.6.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

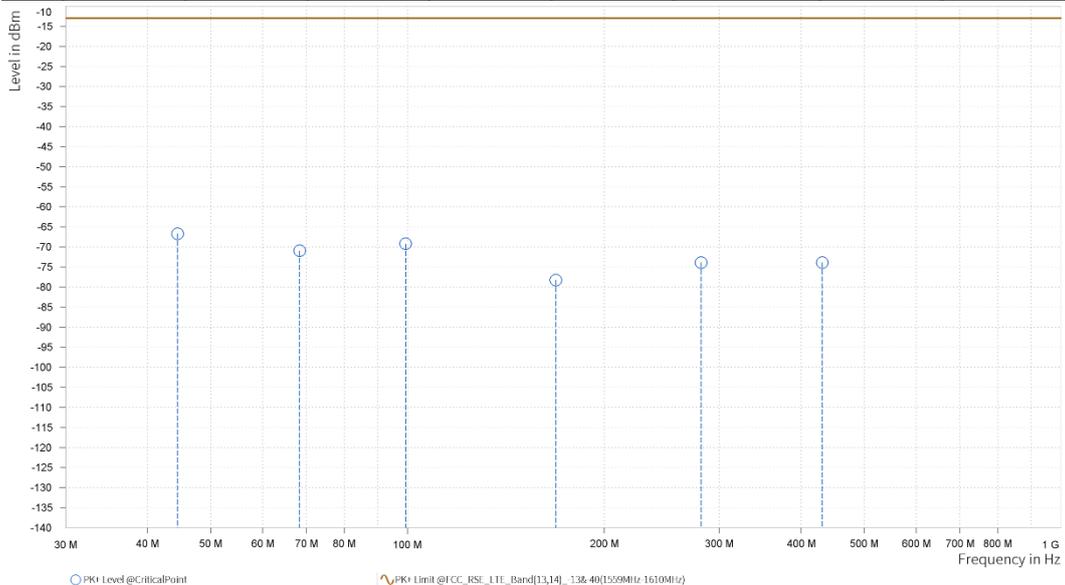
NOTE : 1.The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

2. All antennas have been tested, the report only shown the worst-case data.

| LTE Band 26_ANT1 CHANNEL BANDWIDTH: 3MHz / QPSK | | | |
|--|------------------|-----------------|---------------|
| MODE | TX channel 26705 | FREQUENCY RANGE | 30 MHz ~ 1GHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V 60HZ |
| TESTED BY | Hanwen Xu | | |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 1 | 44.500 | -66.72 | -13.00 | 53.72 | -1.16 | H | 356.4 | 2.00 |
| 1 | 68.350 | -70.94 | -13.00 | 57.94 | -3.23 | H | 0.1 | 1.00 |
| 1 | 99.350 | -69.20 | -13.00 | 56.20 | -4.37 | H | 356.4 | 2.00 |
| 1 | 168.550 | -78.24 | -13.00 | 65.24 | -8.25 | H | 173.8 | 2.00 |
| 1 | 281.250 | -73.91 | -13.00 | 60.91 | 0.20 | H | 359.9 | 2.00 |
| 1 | 431.050 | -73.90 | -13.00 | 60.90 | 0.86 | H | 0.1 | 2.00 |

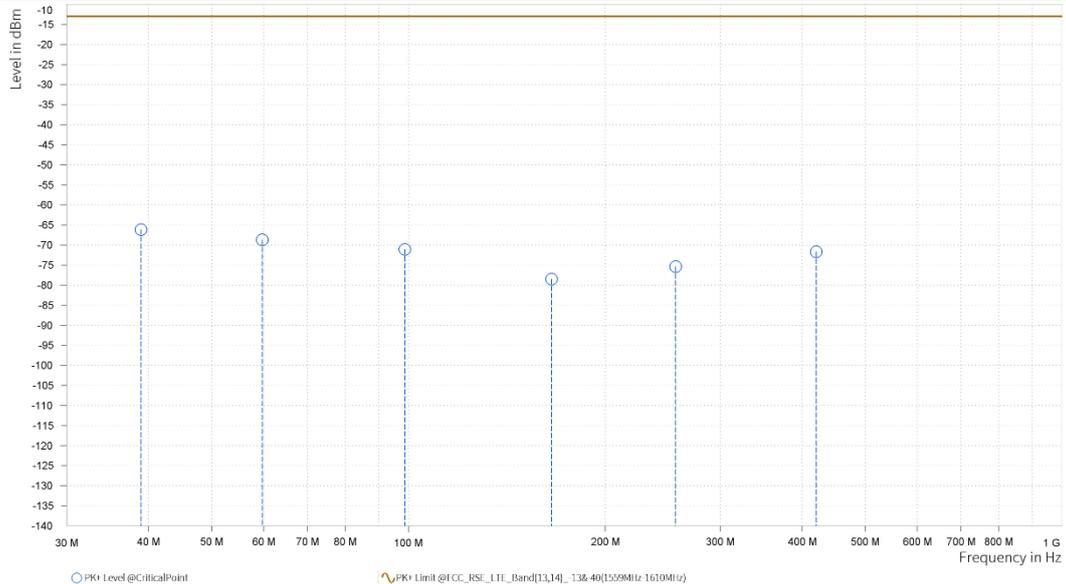




| | | | |
|---------------------------------|------------------|------------------------|---------------|
| MODE | TX channel 26705 | FREQUENCY RANGE | 30 MHz ~ 1GHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V 60HZ |
| TESTED BY | Hanwen Xu | | |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 1 | 38.950 | -66.11 | -13.00 | 53.11 | -1.27 | V | 360 | 1.00 |
| 1 | 59.750 | -68.71 | -13.00 | 55.71 | -0.79 | V | 355.8 | 2.00 |
| 1 | 98.750 | -71.07 | -13.00 | 58.07 | -0.33 | V | 172.6 | 2.00 |
| 1 | 165.500 | -78.48 | -13.00 | 65.48 | -5.71 | V | 0.1 | 1.00 |
| 1 | 256.150 | -75.35 | -13.00 | 62.35 | -1.16 | V | 360 | 1.00 |
| 1 | 420.300 | -71.64 | -13.00 | 58.64 | 1.69 | V | 191.1 | 1.00 |





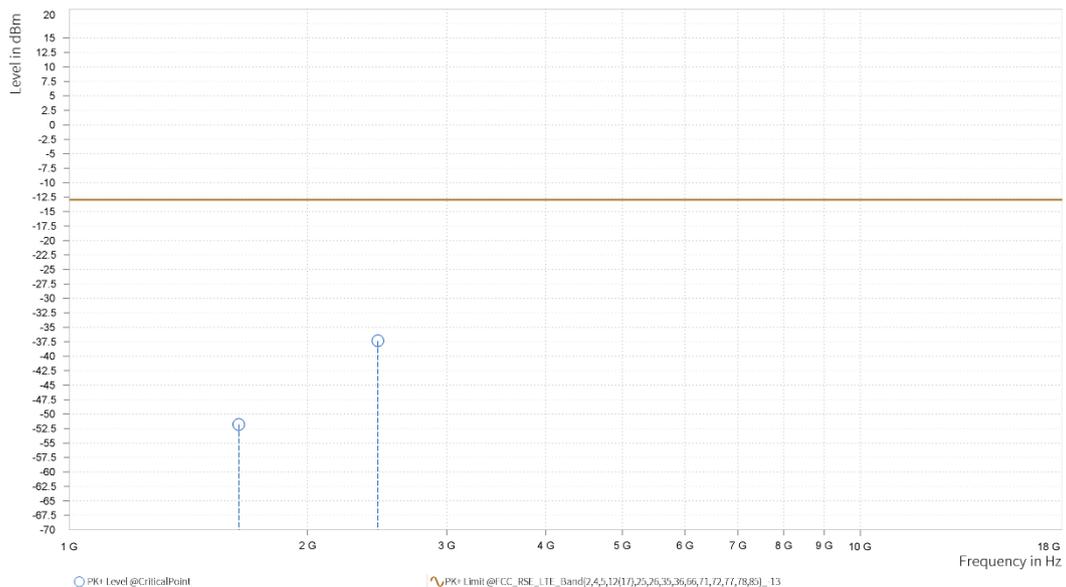
ABOVE 1GHz

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

| LTE BAND 26_ANT1 | | | |
|-------------------|---------------|--------------------------|------------------|
| CHANNEL BANDWIDTH | 1.4MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,636.740 | -51.79 | -13.00 | 38.79 | 18.28 | H | 1 | 2.00 |
| 3 | 2,455.110 | -37.34 | -13.00 | 24.34 | 24.72 | H | 139.4 | 1.00 |

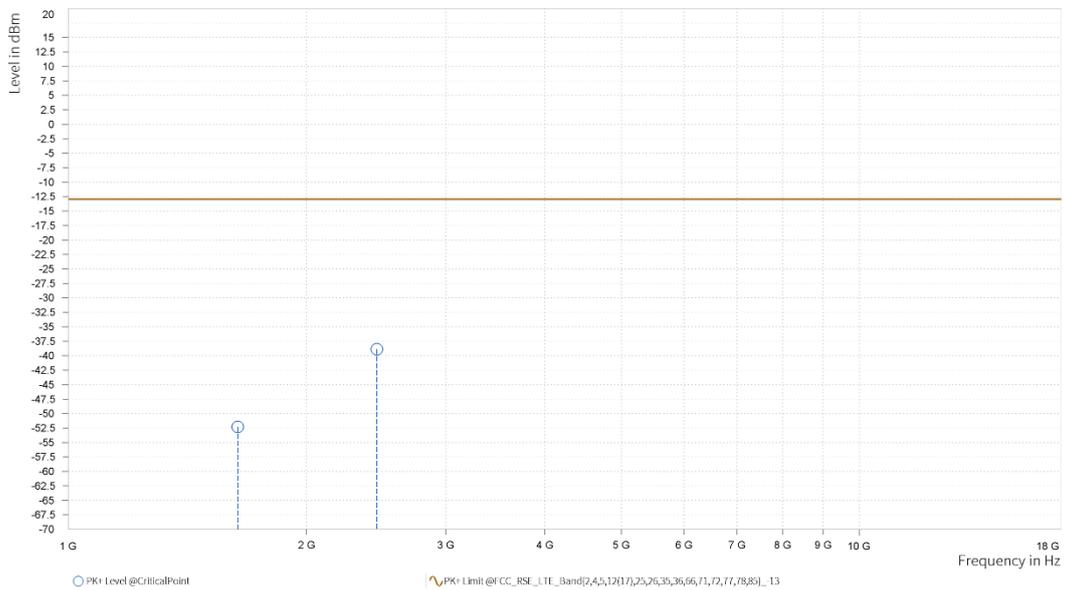




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 1.4MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,636.740 | -52.28 | -13.00 | 39.28 | 17.90 | V | 1 | 1.00 |
| 3 | 2,455.110 | -38.86 | -13.00 | 25.86 | 24.49 | V | 0.9 | 2.00 |



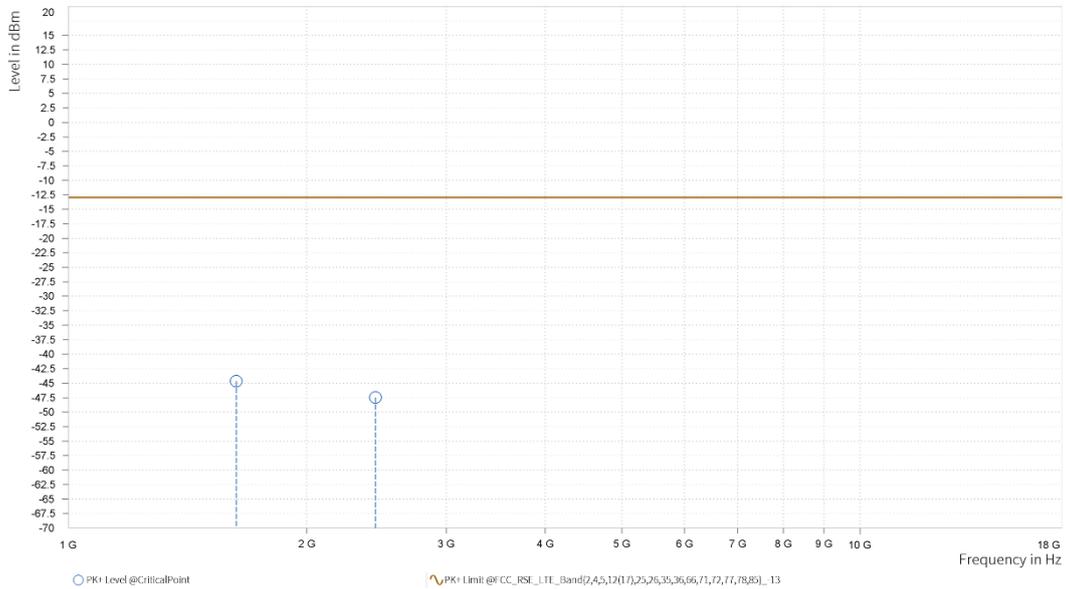


CH26705

| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz / QPSK | MODE | TX channel 26705 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,628.300 | -44.64 | -13.00 | 31.64 | 17.99 | H | 357.6 | 1.00 |
| 3 | 2,442.450 | -47.45 | -13.00 | 34.45 | 24.53 | H | 230.3 | 2.00 |

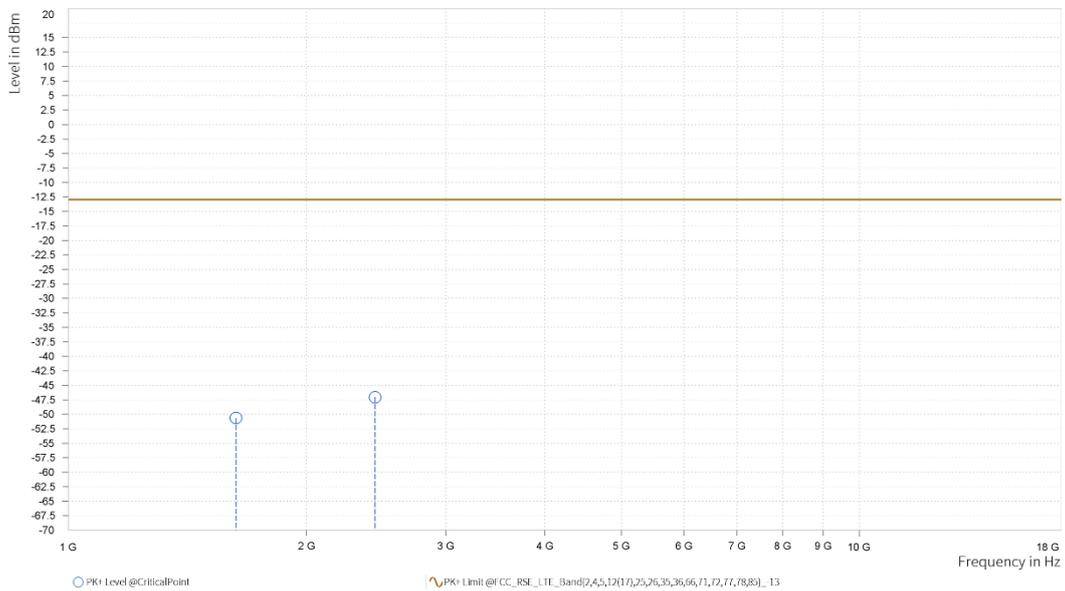




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz / QPSK | MODE | TX channel 26705 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,628.300 | -50.63 | -13.00 | 37.63 | 17.70 | V | 2.1 | 2.00 |
| 3 | 2,442.450 | -47.06 | -13.00 | 34.06 | 24.36 | V | 359 | 1.00 |

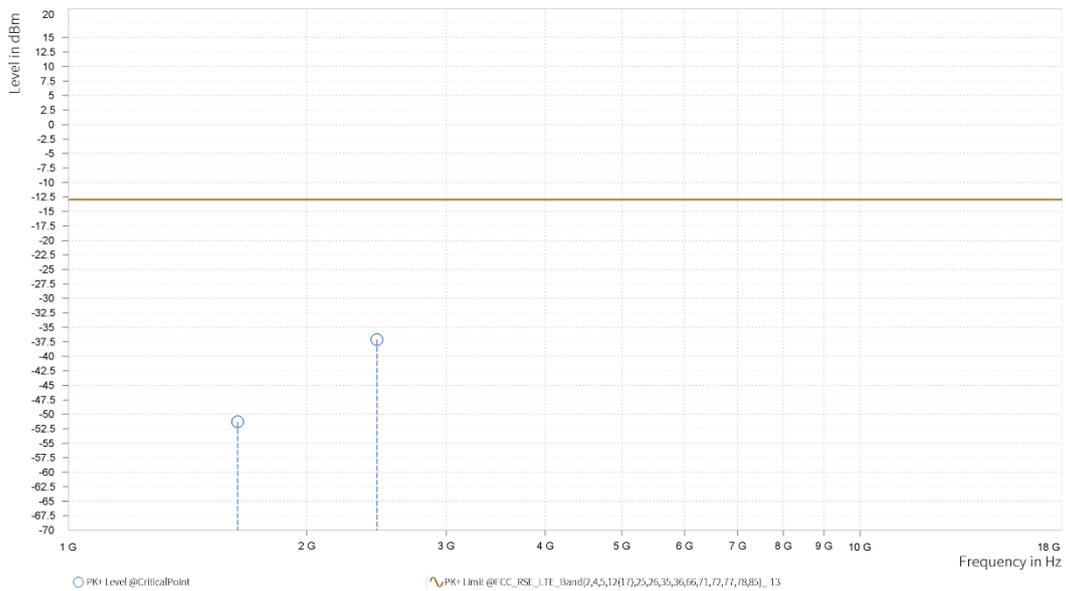




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,635.300 | -51.32 | -13.00 | 38.32 | 18.24 | H | 359 | 1.00 |
| 3 | 2,452.950 | -37.12 | -13.00 | 24.12 | 24.62 | H | 142.9 | 1.00 |

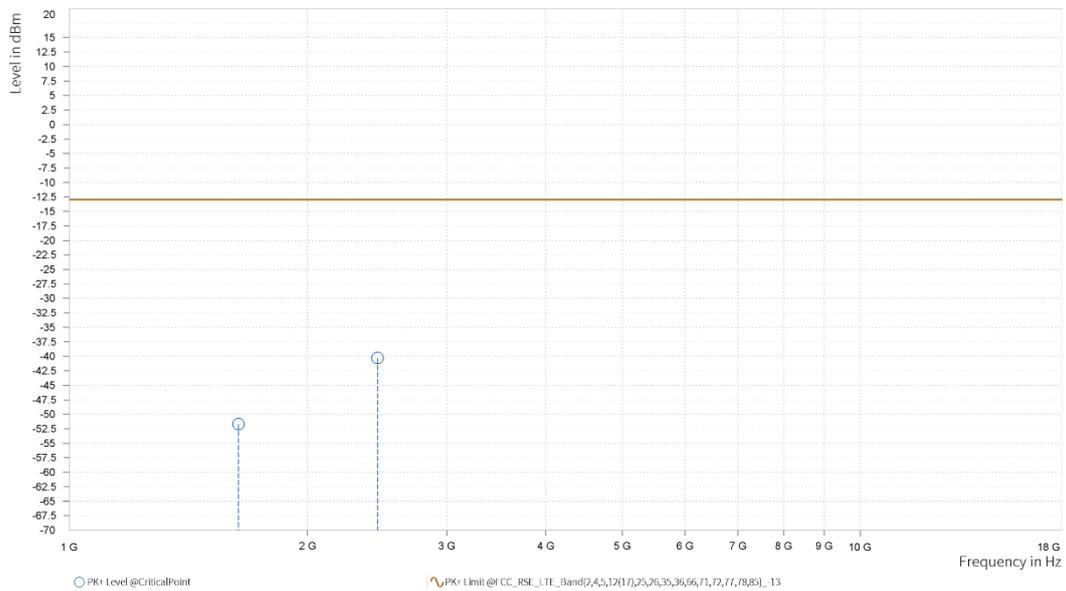




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,635.300 | -51.70 | -13.00 | 38.70 | 17.87 | V | 73.6 | 1.00 |
| 3 | 2,452.950 | -40.31 | -13.00 | 27.31 | 24.38 | V | 0.9 | 2.00 |

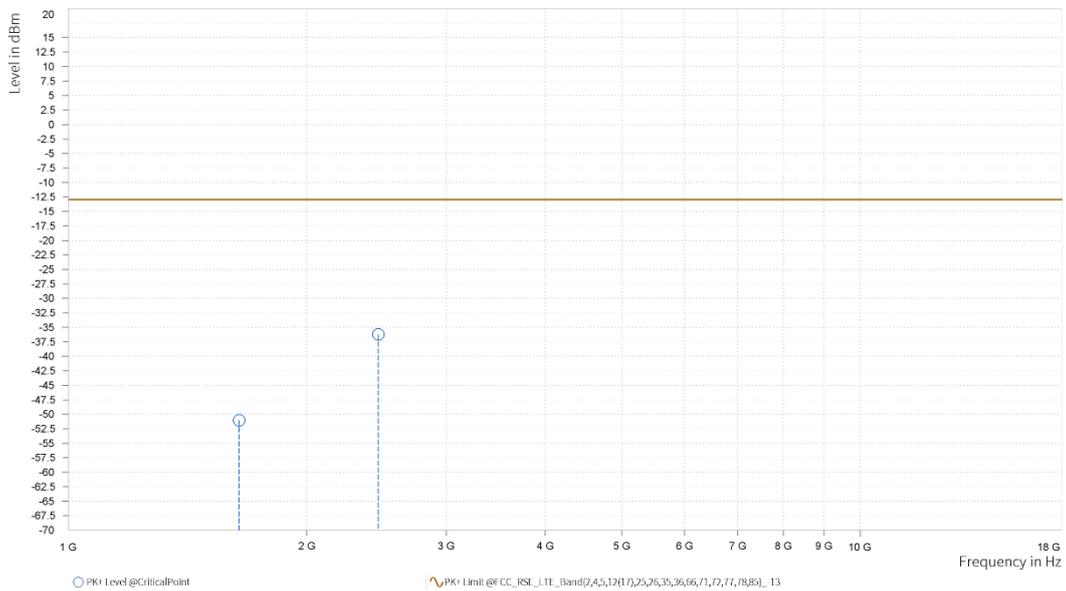




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz / QPSK | MODE | TX channel 26775 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,642.300 | -51.02 | -13.00 | 38.02 | 18.49 | H | 78.4 | 1.00 |
| 3 | 2,463.450 | -36.22 | -13.00 | 23.22 | 24.76 | H | 228 | 2.00 |

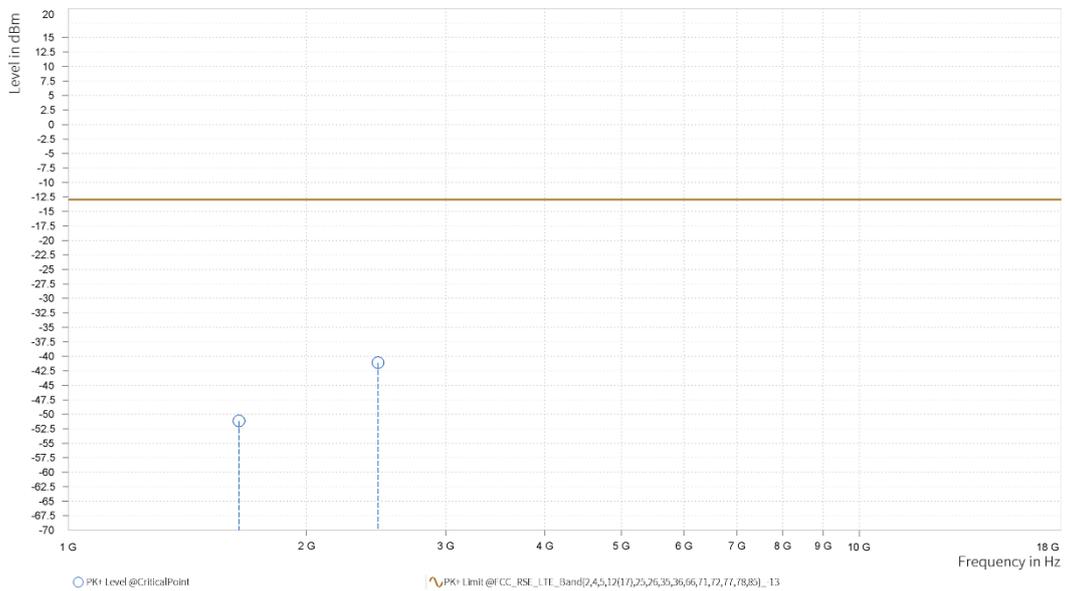




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 3MHz / QPSK | MODE | TX channel 26775 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,642.300 | -51.15 | -13.00 | 38.15 | 18.04 | V | 1 | 1.00 |
| 3 | 2,463.450 | -41.11 | -13.00 | 28.11 | 24.50 | V | 201.4 | 1.00 |

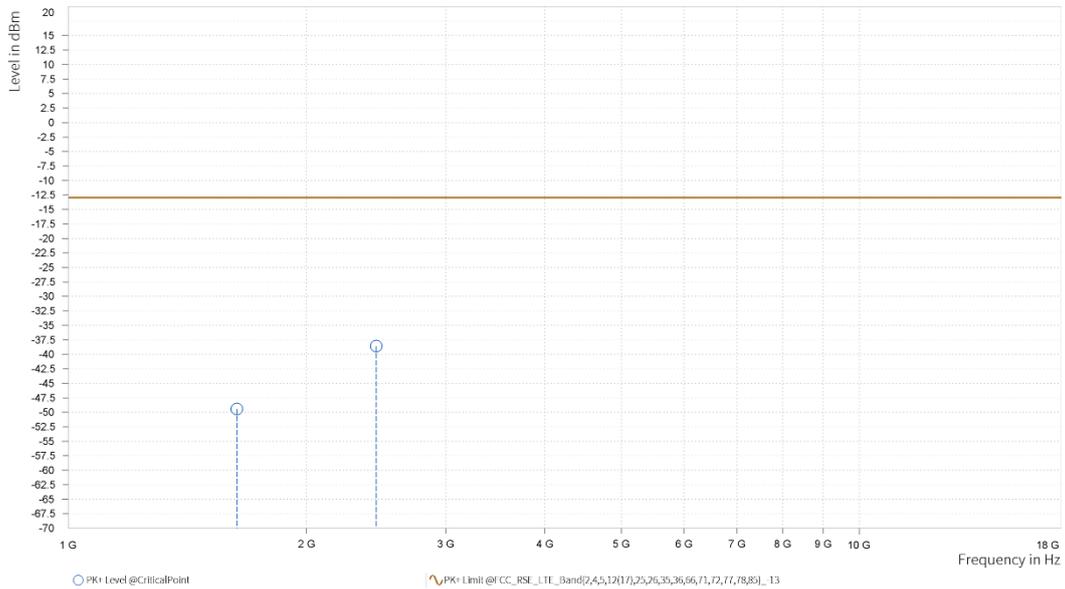




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 5MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,633.500 | -49.41 | -13.00 | 36.41 | 18.16 | H | 287.6 | 2.00 |
| 3 | 2,450.250 | -38.58 | -13.00 | 25.58 | 24.47 | H | 359.1 | 1.00 |

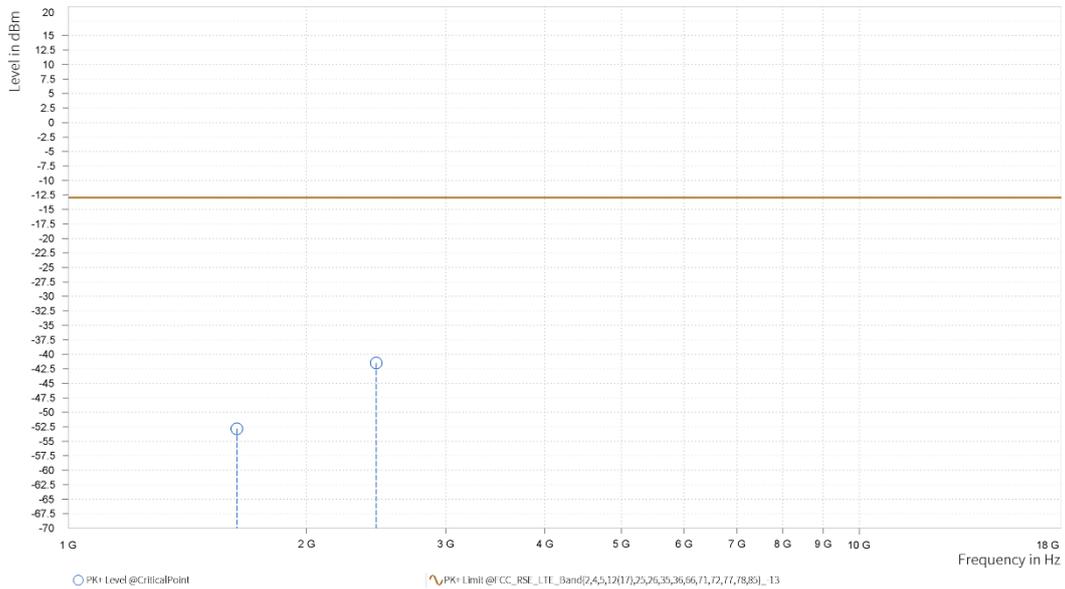




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 5MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,633.500 | -52.85 | -13.00 | 39.85 | 17.81 | V | 359 | 2.00 |
| 3 | 2,450.250 | -41.50 | -13.00 | 28.50 | 24.27 | V | 156.2 | 2.00 |

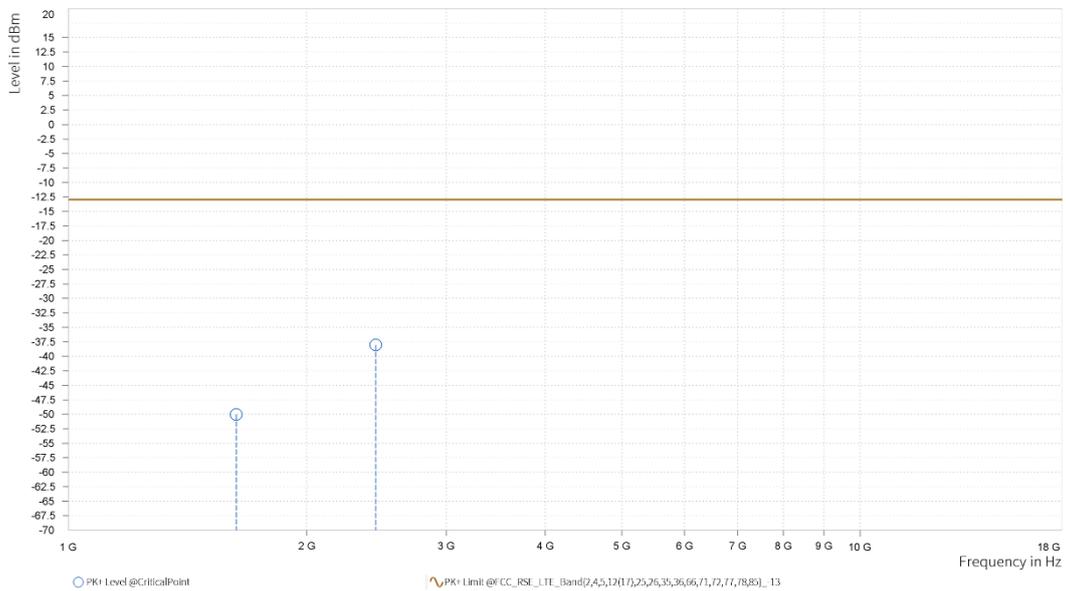




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 10MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,629.000 | -50.02 | -13.00 | 37.02 | 17.99 | H | 1.2 | 2.00 |
| 3 | 2,443.500 | -38.04 | -13.00 | 25.04 | 24.51 | H | 149 | 1.00 |

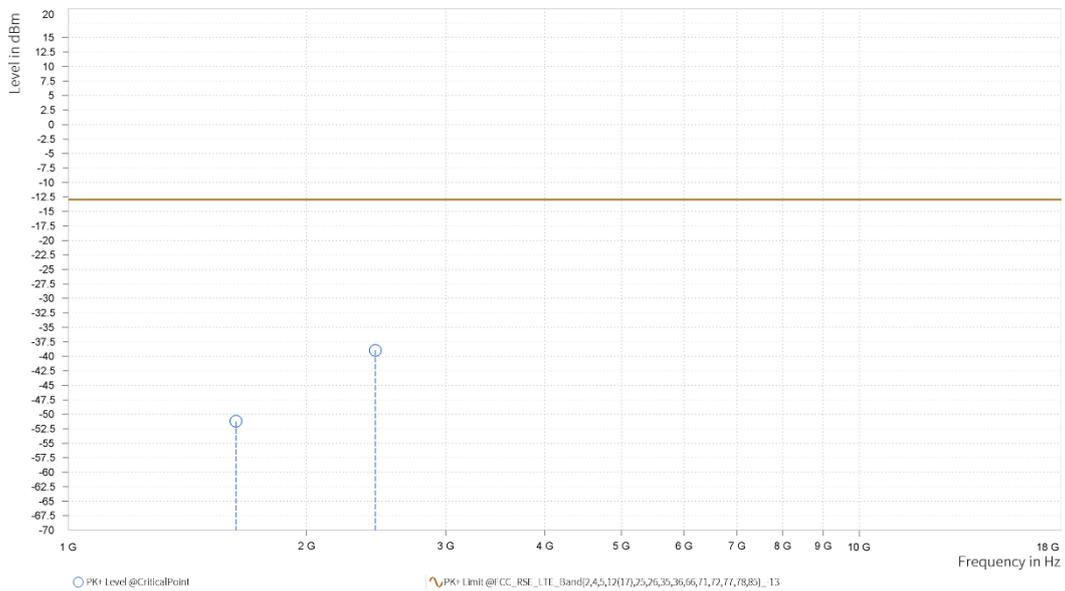




| | | | |
|--------------------------|---------------|---------------------------------|------------------|
| CHANNEL BANDWIDTH | 10MHz / QPSK | MODE | TX channel 23330 |
| FREQUENCY RANGE | Above 1000MHz | ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH |
| INPUT POWER | AC 120V 60HZ | TESTED BY | Hanwen Xu |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBm] | PK+ Limit [dBm] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|---------------|--------------------|
| 2 | 1,629.000 | -51.20 | -13.00 | 38.20 | 17.70 | V | 1 | 2.00 |
| 3 | 2,443.500 | -38.97 | -13.00 | 25.97 | 24.34 | V | 1 | 1.00 |



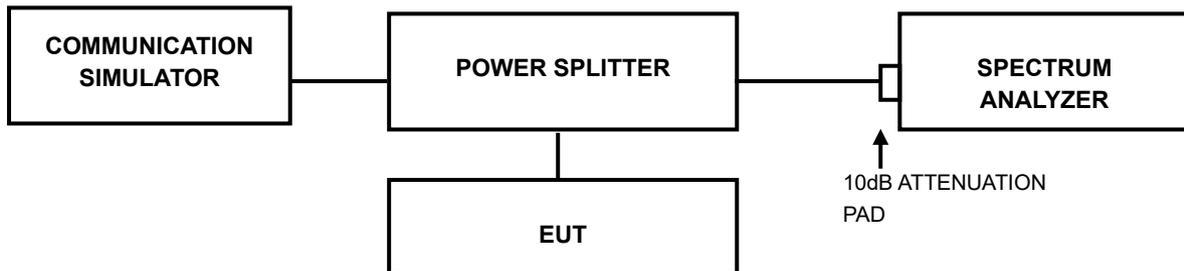


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to Appendix of this test report.



BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05

4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China
Accredited Test Lab Cert 6613.01

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:

Tel: +86 (0557) 368 1008



BUREAU Test Report No.: PSZ-QBJ2504140715RF05
VERITAS

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.



6 APPENDIX

FCC-LTE-BB26(814-824)

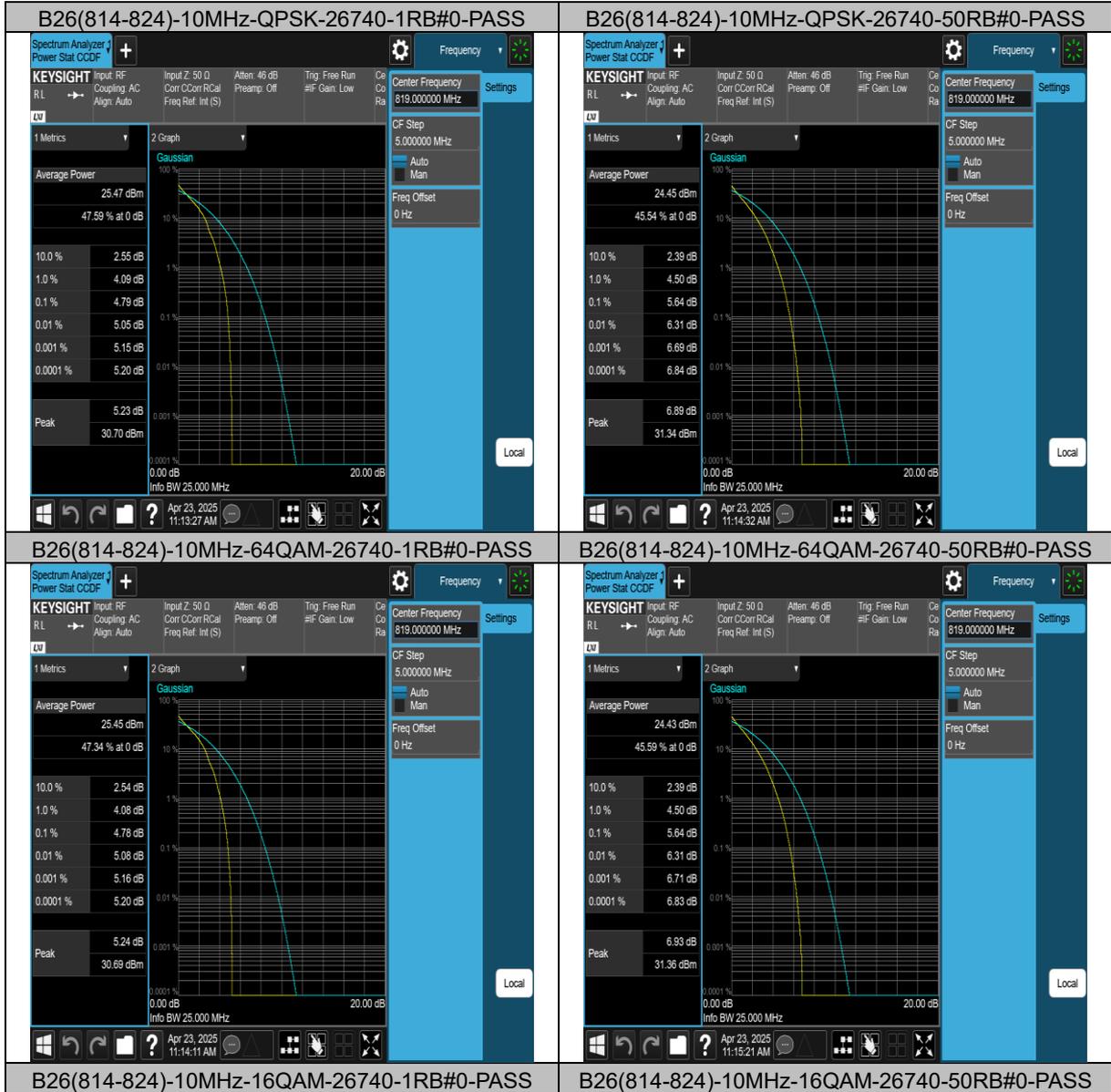
PEAK-TO-AVERAGE RATIO(CCDF)

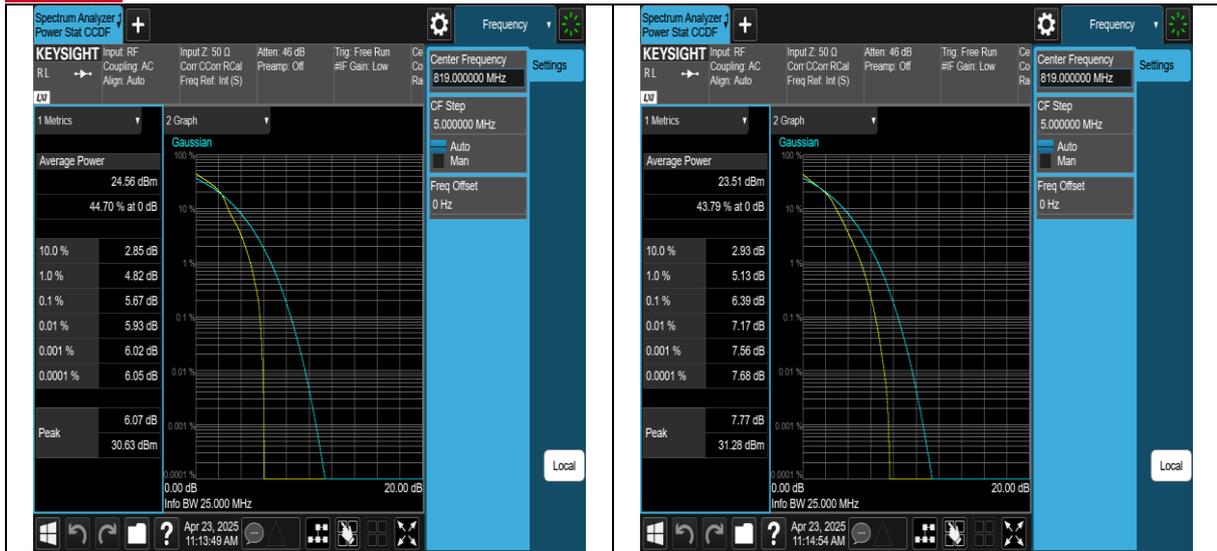
Test Result

| | | | | | | | |
|--------------|-------|-------|-------|--------|------|----|------|
| B26(814-824) | 10MHz | QPSK | 26740 | 1RB#0 | 4.79 | 13 | PASS |
| B26(814-824) | 10MHz | QPSK | 26740 | 50RB#0 | 5.64 | 13 | PASS |
| B26(814-824) | 10MHz | 64QAM | 26740 | 1RB#0 | 4.78 | 13 | PASS |
| B26(814-824) | 10MHz | 64QAM | 26740 | 50RB#0 | 5.64 | 13 | PASS |
| B26(814-824) | 10MHz | 16QAM | 26740 | 1RB#0 | 5.67 | 13 | PASS |
| B26(814-824) | 10MHz | 16QAM | 26740 | 50RB#0 | 6.39 | 13 | PASS |



Test Graphs







26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

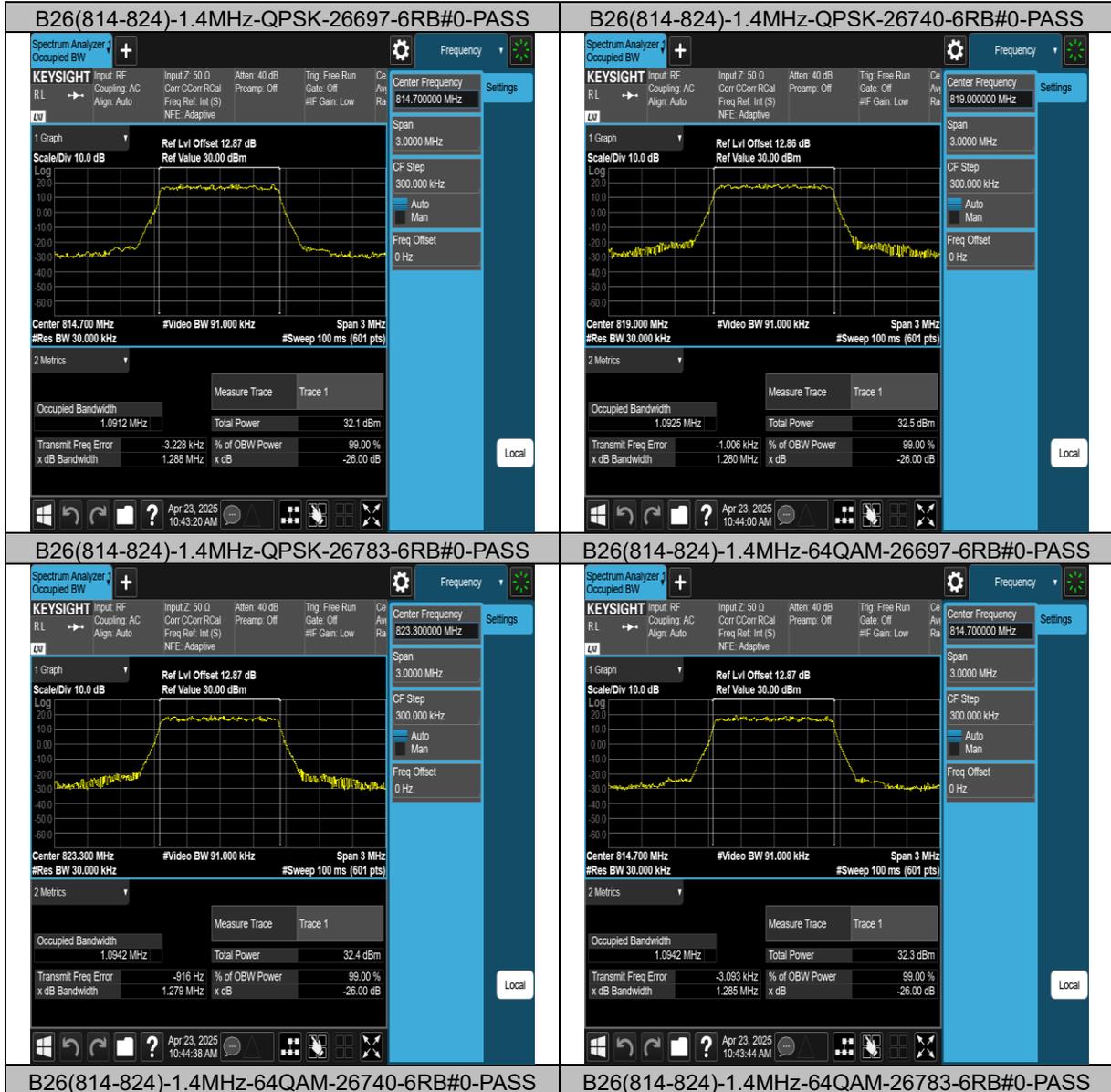
| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| B26(814-824) | 1.4MHz | QPSK | 26697 | 6RB#0 | 1.0912 | 1.288 | PASS |
| B26(814-824) | 1.4MHz | QPSK | 26740 | 6RB#0 | 1.0925 | 1.280 | PASS |
| B26(814-824) | 1.4MHz | QPSK | 26783 | 6RB#0 | 1.0942 | 1.279 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26697 | 6RB#0 | 1.0942 | 1.285 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26740 | 6RB#0 | 1.0920 | 1.283 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26783 | 6RB#0 | 1.0920 | 1.292 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26697 | 6RB#0 | 1.0970 | 1.279 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26740 | 6RB#0 | 1.0969 | 1.312 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26783 | 6RB#0 | 1.0976 | 1.300 | PASS |
| B26(814-824) | 3MHz | QPSK | 26705 | 15RB#0 | 2.6909 | 2.897 | PASS |
| B26(814-824) | 3MHz | QPSK | 26740 | 15RB#0 | 2.6893 | 2.887 | PASS |
| B26(814-824) | 3MHz | QPSK | 26775 | 15RB#0 | 2.6829 | 2.933 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26705 | 15RB#0 | 2.6851 | 2.886 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26740 | 15RB#0 | 2.6874 | 2.909 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26775 | 15RB#0 | 2.6865 | 2.899 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26705 | 15RB#0 | 2.6779 | 2.891 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26740 | 15RB#0 | 2.6804 | 2.895 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26775 | 15RB#0 | 2.6813 | 2.914 | PASS |
| B26(814-824) | 5MHz | QPSK | 26715 | 25RB#0 | 4.4935 | 4.936 | PASS |
| B26(814-824) | 5MHz | QPSK | 26740 | 25RB#0 | 4.4953 | 4.942 | PASS |
| B26(814-824) | 5MHz | QPSK | 26765 | 25RB#0 | 4.4986 | 4.944 | PASS |
| B26(814-824) | 5MHz | 64QAM | 26715 | 25RB#0 | 4.4986 | 4.950 | PASS |

**BUREAU VERITAS** Test Report No.: PSZ-QBJ2504140715RF05

| | | | | | | | |
|--------------|-------|-------|-------|--------|--------|-------|------|
| B26(814-824) | 5MHz | 64QAM | 26740 | 25RB#0 | 4.4968 | 4.952 | PASS |
| B26(814-824) | 5MHz | 64QAM | 26765 | 25RB#0 | 4.4988 | 4.947 | PASS |
| B26(814-824) | 5MHz | 16QAM | 26715 | 25RB#0 | 4.4901 | 4.915 | PASS |
| B26(814-824) | 5MHz | 16QAM | 26740 | 25RB#0 | 4.4910 | 4.914 | PASS |
| B26(814-824) | 5MHz | 16QAM | 26765 | 25RB#0 | 4.4886 | 4.913 | PASS |
| B26(814-824) | 10MHz | QPSK | 26740 | 50RB#0 | 8.9877 | 9.811 | PASS |
| B26(814-824) | 10MHz | 64QAM | 26740 | 50RB#0 | 8.9876 | 9.818 | PASS |
| B26(814-824) | 10MHz | 16QAM | 26740 | 50RB#0 | 8.9787 | 9.728 | PASS |

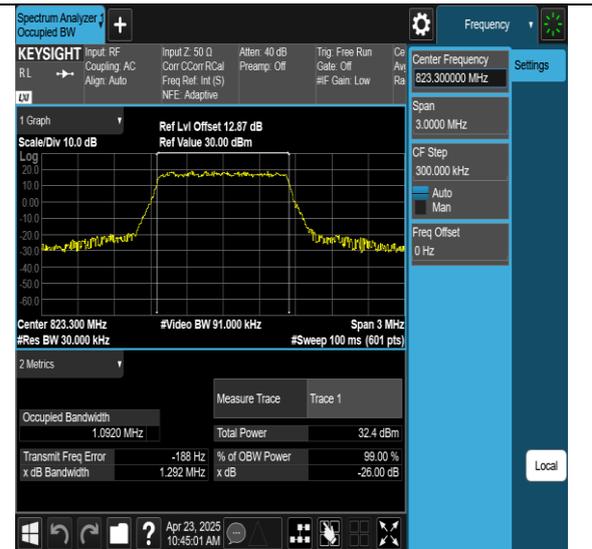
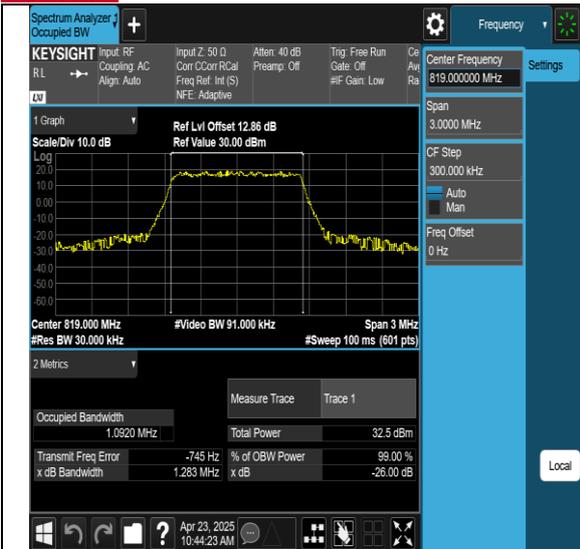


Test Graphs



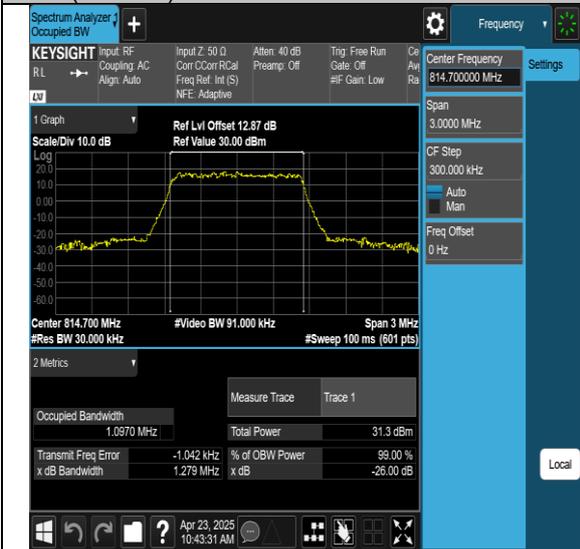


BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05



B26(814-824)-1.4MHz-16QAM-26697-6RB#0-PASS

B26(814-824)-1.4MHz-16QAM-26740-6RB#0-PASS



B26(814-824)-1.4MHz-16QAM-26783-6RB#0-PASS

B26(814-824)-3MHz-QPSK-26705-15RB#0-PASS



B26(814-824)-3MHz-QPSK-26740-15RB#0-PASS

B26(814-824)-3MHz-QPSK-26775-15RB#0-PASS

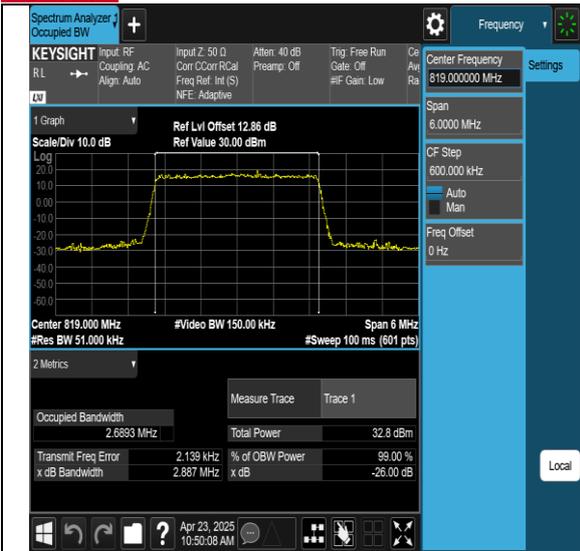
Huarui 7layers High Technology (Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

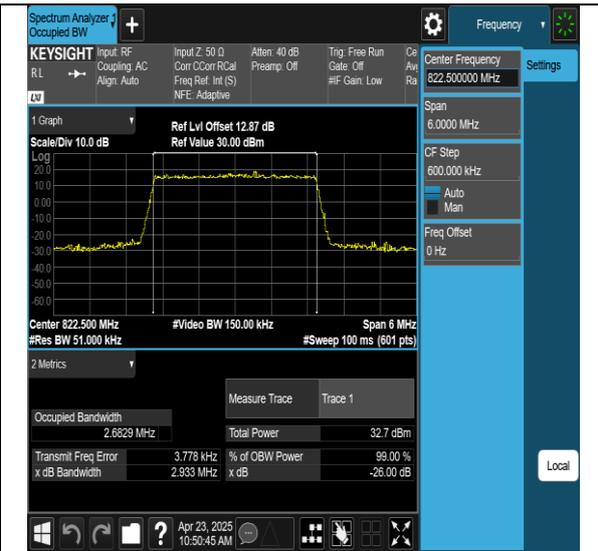
Tel: +86 (0557) 368 1008



BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05



B26(814-824)-3MHz-64QAM-26705-15RB#0-PASS



B26(814-824)-3MHz-64QAM-26740-15RB#0-PASS



B26(814-824)-3MHz-64QAM-26775-15RB#0-PASS



B26(814-824)-3MHz-16QAM-26705-15RB#0-PASS



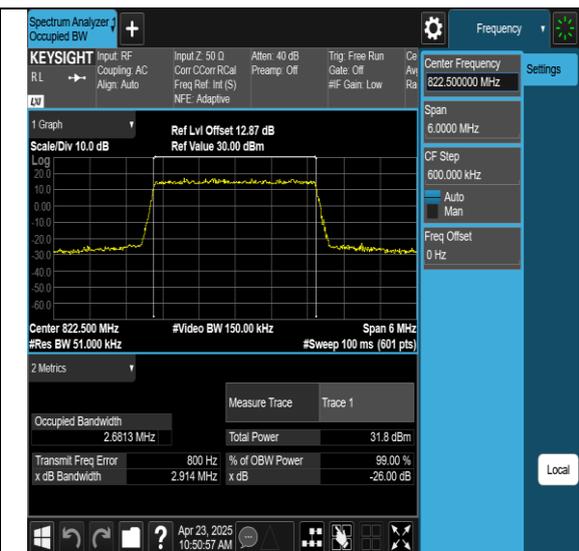
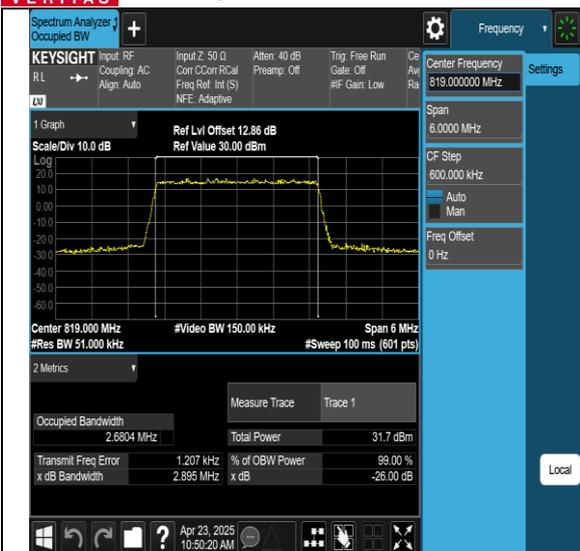
B26(814-824)-3MHz-16QAM-26740-15RB#0-PASS



B26(814-824)-3MHz-16QAM-26775-15RB#0-PASS



BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05



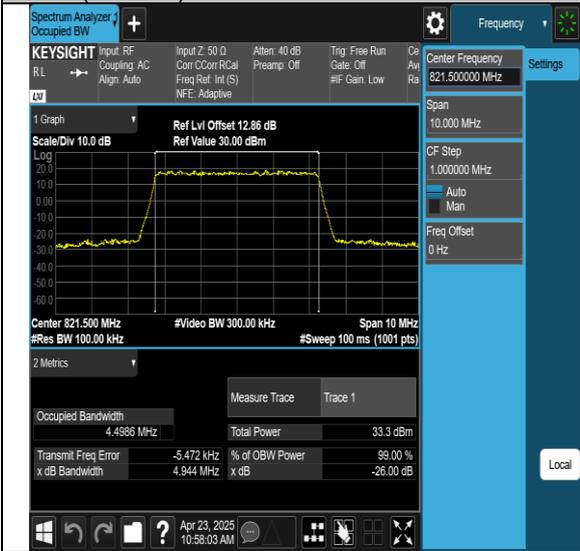
B26(814-824)-5MHz-QPSK-26715-25RB#0-PASS

B26(814-824)-5MHz-QPSK-26740-25RB#0-PASS



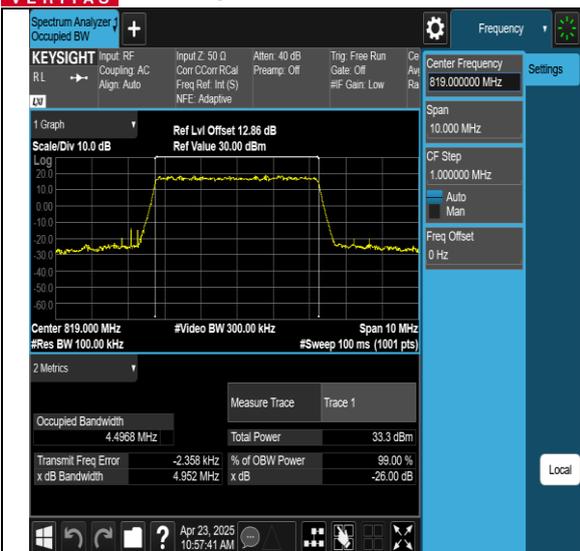
B26(814-824)-5MHz-QPSK-26765-25RB#0-PASS

B26(814-824)-5MHz-64QAM-26715-25RB#0-PASS



B26(814-824)-5MHz-64QAM-26740-25RB#0-PASS

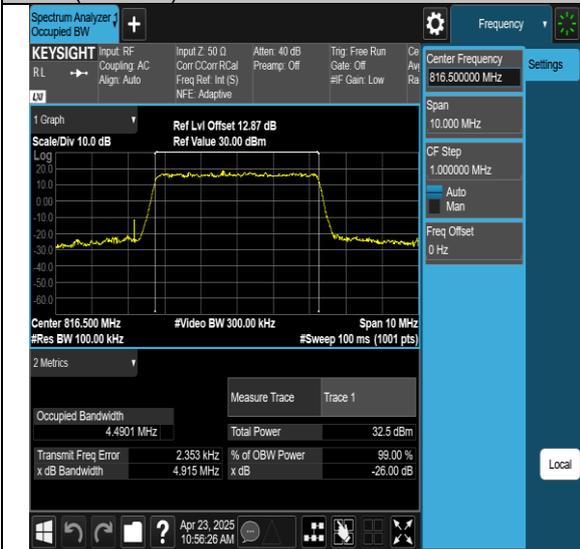
B26(814-824)-5MHz-64QAM-26765-25RB#0-PASS



B26(814-824)-5MHz-16QAM-26715-25RB#0-PASS



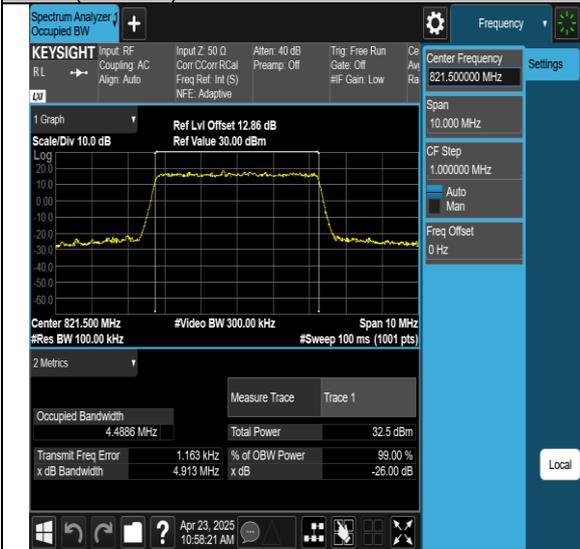
B26(814-824)-5MHz-16QAM-26740-25RB#0-PASS



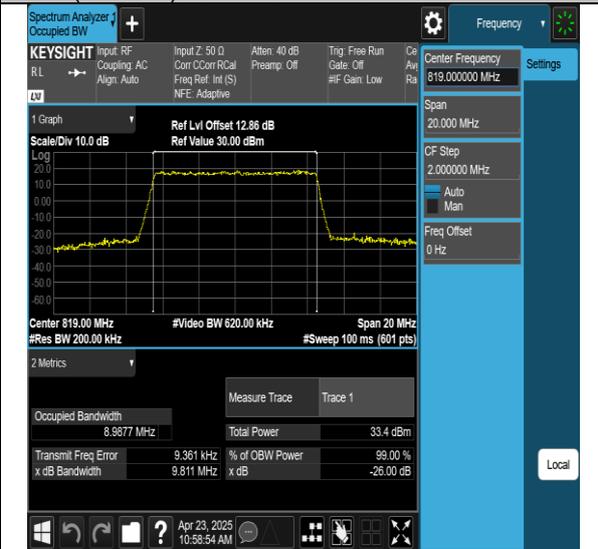
B26(814-824)-5MHz-16QAM-26765-25RB#0-PASS



B26(814-824)-10MHz-QPSK-26740-50RB#0-PASS



B26(814-824)-10MHz-64QAM-26740-50RB#0-PASS



B26(814-824)-10MHz-16QAM-26740-50RB#0-PASS



BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05



Huarui 7layers High Technology (Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BAND EDGE

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------------|-----------|------------|---------|------------------|-------------|---------|
| B26(814-824) | 1.4MHz | QPSK | 26697 | 1RB#0 | -20.69 | PASS |
| B26(814-824) | 1.4MHz | QPSK | 26697 | 6RB#0 | -30.73 | PASS |
| B26(814-824) | 1.4MHz | QPSK | 26783 | 1RB#5 | -21.00 | PASS |
| B26(814-824) | 1.4MHz | QPSK | 26783 | 6RB#0 | -27.33 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26697 | 1RB#0 | -23.78 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26697 | 6RB#0 | -27.60 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26783 | 1RB#5 | -21.23 | PASS |
| B26(814-824) | 1.4MHz | 64QAM | 26783 | 6RB#0 | -29.22 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26697 | 1RB#0 | -25.06 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26697 | 6RB#0 | -27.25 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26783 | 1RB#5 | -22.07 | PASS |
| B26(814-824) | 1.4MHz | 16QAM | 26783 | 6RB#0 | -28.02 | PASS |
| B26(814-824) | 3MHz | QPSK | 26705 | 1RB#0 | -19.82 | PASS |
| B26(814-824) | 3MHz | QPSK | 26705 | 15RB#0 | -31.48 | PASS |
| B26(814-824) | 3MHz | QPSK | 26775 | 1RB#14 | -21.81 | PASS |
| B26(814-824) | 3MHz | QPSK | 26775 | 15RB#0 | -31.34 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26705 | 1RB#0 | -20.76 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26705 | 15RB#0 | -31.15 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26775 | 1RB#14 | -22.24 | PASS |
| B26(814-824) | 3MHz | 64QAM | 26775 | 15RB#0 | -32.35 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26705 | 1RB#0 | -21.66 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26705 | 15RB#0 | -31.29 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26775 | 1RB#14 | -23.32 | PASS |
| B26(814-824) | 3MHz | 16QAM | 26775 | 15RB#0 | -33.44 | PASS |
| B26(814-824) | 5MHz | QPSK | 26715 | 1RB#0 | -18.40 | FAIL |

**BUREAU VERITAS Test Report No.: PSZ-QBJ2504140715RF05**

| | | | | | | |
|--------------|-------|-------|-------|--------|--------|-------------|
| 824) | | | | | | |
| B26(814-824) | 5MHz | QPSK | 26715 | 1RB#0 | -22.86 | PASS_Final1 |
| B26(814-824) | 5MHz | QPSK | 26715 | 25RB#0 | -31.32 | PASS |
| B26(814-824) | 5MHz | QPSK | 26765 | 1RB#24 | -19.59 | FAIL |
| B26(814-824) | 5MHz | QPSK | 26765 | 1RB#24 | -23.93 | PASS_Final1 |
| B26(814-824) | 5MHz | QPSK | 26765 | 25RB#0 | -31.72 | PASS |
| B26(814-824) | 5MHz | 64QAM | 26715 | 1RB#0 | -19.23 | FAIL |
| B26(814-824) | 5MHz | 64QAM | 26715 | 1RB#0 | -22.27 | PASS_Final1 |
| B26(814-824) | 5MHz | 64QAM | 26715 | 25RB#0 | -30.29 | PASS |
| B26(814-824) | 5MHz | 64QAM | 26765 | 1RB#24 | -19.72 | FAIL |
| B26(814-824) | 5MHz | 64QAM | 26765 | 1RB#24 | -23.86 | PASS_Final1 |
| B26(814-824) | 5MHz | 64QAM | 26765 | 25RB#0 | -30.90 | PASS |
| B26(814-824) | 5MHz | 16QAM | 26715 | 1RB#0 | -19.67 | FAIL |
| B26(814-824) | 5MHz | 16QAM | 26715 | 1RB#0 | -23.45 | PASS_Final1 |
| B26(814-824) | 5MHz | 16QAM | 26715 | 25RB#0 | -32.10 | PASS |
| B26(814-824) | 5MHz | 16QAM | 26765 | 1RB#24 | -20.70 | PASS |
| B26(814-824) | 5MHz | 16QAM | 26765 | 25RB#0 | -31.10 | PASS |
| B26(814-824) | 10MHz | QPSK | 26740 | 1RB#0 | -22.15 | PASS |
| B26(814-824) | 10MHz | QPSK | 26740 | 1RB#49 | -21.56 | PASS |
| B26(814-824) | 10MHz | QPSK | 26740 | 50RB#0 | -34.66 | PASS |
| B26(814-824) | 10MHz | 64QAM | 26740 | 1RB#0 | -21.25 | PASS |
| B26(814-824) | 10MHz | 64QAM | 26740 | 1RB#49 | -20.89 | PASS |
| B26(814-824) | 10MHz | 64QAM | 26740 | 50RB#0 | -34.78 | PASS |
| B26(814-824) | 10MHz | 16QAM | 26740 | 1RB#0 | -22.65 | PASS |
| B26(814-824) | 10MHz | 16QAM | 26740 | 1RB#49 | -21.69 | PASS |
| B26(814-824) | 10MHz | 16QAM | 26740 | 50RB#0 | -34.94 | PASS |



Test Graphs

