



Test Report No.: W7L-P23070009RF05



FCC TEST REPORT (PART 90)

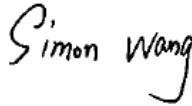

| | |
|------------|---|
| Applicant: | SIMCom Wireless Solutions Limited |
| Address: | 8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China |

| | |
|--------------------------|---|
| Manufacturer or Supplier | SIMCom Wireless Solutions Limited |
| Address | 8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China |
| Product | SIM7672G |
| Brand Name | SIMCom |
| Model Name | SIM7672G |
| FCC ID | 2AJYU-8XS0001 |
| Date of tests | Aug. 22, 2023 ~ Sep. 11, 2023 |

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

- FCC Part 90, Subpart R, S ANSI/TIA/EIA-603- D
- FCC Part 2 ANSI/TIA/EIA-603-E ANSI C63.26-2015

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

| | |
|--|--|
| Prepared by Simon Wang Engineer / Mobile Department | Approved by Luke Lu Manager / Mobile Department |
|  Date: Sep. 11, 2023 |  Date: Sep. 11, 2023 |

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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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|-------------------|-------------------|---------------|
| W7L-P23070009RF05 | Original release | Sep. 11, 2023 |



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 (Band26) | PASS |
| §2.1055 §90.213 §90.539 | Frequency Stability | PASS |
| §2.1049 §90.209 | Occupied Bandwidth | PASS |
| §2.1051 §90.543(e)(f) §90.691(a) | Emission Masks | PASS |
| §2.1051 §90.543(e)(f) §90.691(a) | Conducted Spurious Emissions | PASS |
| §2.1053 §90.691(a) | Radiated Spurious Emissions | PASS |

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.



1.2 TEST SITE AND INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|---|-------------------|---------------------------------|-------------------------------------|-------------|------------|
| MXE EMI Receiver | KEYSIGHT | N9038A-544 | MY54450026 | Mar. 28,23 | Mar. 27,24 |
| EXA Signal Analyzer | KEYSIGHT | N9010A-544 | MY54510355 | May.10,23 | May.09,24 |
| Loop Antenna | Schwarzbeck | FMZB 1519B | 00173 | Sep.03,22 | Sep.02,23 |
| Loop Antenna | Schwarzbeck | FMZB 1519B | 00173 | Sep.02,23 | Sep.01,24 |
| Bilog Antenna | ETS-LINDGRE N | 3143B | 00161965 | Feb. 18,23 | Feb. 17,24 |
| Horn Antenna | ETS-LINDGRE N | 3117 | 00168692 | Feb. 18,23 | Feb. 17,24 |
| Horn Antenna (18GHz-40GHz) | N/A | QWH-SL-18-40-K- SG/QMS-00361 | 15433 | Sep.04, 22 | Sep.03, 23 |
| Horn Antenna (18GHz-40GHz) | N/A | QWH-SL-18-40-K- SG/QMS-00361 | 15433 | Sep.03, 23 | Sep.02, 24 |
| Radio Communication Analyzer | ANRITSU | MT8820C | 6201465426 | Feb. 14,23 | Feb. 13,24 |
| Signal Pre-Amplifier | EMSI | EMC 9135 | 980249 | May. 06,23 | May. 05,24 |
| Signal Pre-Amplifier | EMSI | EMC 012645B | 980257 | May.10,23 | May.09,24 |
| Signal Pre-Amplifier | EMSI | EMC 184045B | 980259 | Feb. 17,23 | Feb.16,24 |
| 3m Semi-anechoic Chamber | ETS-LINDGRE N | 9m*6m*6m | Euroshieldpn- CT0001143-121 6 | May. 22, 23 | May. 21,26 |
| Test Software | E3 | V 9.160323 | N/A | N/A | N/A |
| Test Software | JS1120 | 3.1.36 | N/A | N/A | N/A |
| 10dB Attenuator | JFW/USA | 50HF-010-SMA | 50HF-010-SMA | May. 06,23 | May. 05,24 |
| Power Meter | Anritsu | ML2495A | 1506002 | Feb. 14,23 | Feb. 13,24 |
| Power Sensor | Anritsu | MA2411B | 1339352 | Feb. 14,23 | Feb. 13,24 |
| Temperature Chamber | ESPEC | SH-242 | 93000855 | May. 06,23 | May. 05,24 |
| MXG Analog Microwave Signal Generator | KEYSIGHT | N5183A | MY50143024 | Feb. 14,23 | Feb. 13,24 |
| Base station R&S CMW500 | Rohde&Schwa rz | CMW500 | 153085 | May.10,23 | May.09,24 |
| DC Source | Kikusui/JP | PMX18-5A | N/A | Aug. 11,23 | Aug. 10,24 |

- 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 525120; The Designation No. is CN1171.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | | |
|------------------------------|--|---------------------------------|
| PRODUCT | SIM7672G | |
| BRAND NAME | SIMCom | |
| MODEL NAME | SIM7672G | |
| NOMINAL VOLTAGE | EUT 3.8V | |
| MODULATION TECHNOLOGY | LTE | QPSK, 16QAM |
| 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 |
| | LTE Band 26 (Channel Bandwidth: 3MHz) | QPSK: 2M70G7D 16QAM: 2M71W7D |
| | LTE Band 26 (Channel Bandwidth: 5MHz) | QPSK: 4M51G7D 16QAM: 4M50W7D |
| | LTE Band 26 (Channel Bandwidth: 10MHz) | QPSK: 8M99G7D 16QAM: 4M86W7D |
| MAX. EIRP POWER | LTE Band 26 (Channel Bandwidth: 1.4MHz) | 142.23mW |
| | LTE Band 26 (Channel Bandwidth: 3MHz) | 142.89mW |
| | LTE Band 26 (Channel Bandwidth: 5MHz) | 142.56mW |
| | LTE Band 26 (Channel Bandwidth: 10MHz) | 143.55mW |
| ANTENNA TYPE | Monopole Antenna | |
| ANTENNA GAIN | 0.64 dBi for LTE Band 26 | |
| HW VERSION | V2.02 | |
| SW VERSION | SIM7672M5A | |



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| | |
|----------------------------|------------------------|
| I/O PORTS | Refer to user's manual |
| DATA CABLE | N/A |
| EXTREME TEMPERATURE | -10-55 °C |
| EXTREME VOLTAGE | 3.2V - 4.2V |

NOTE:

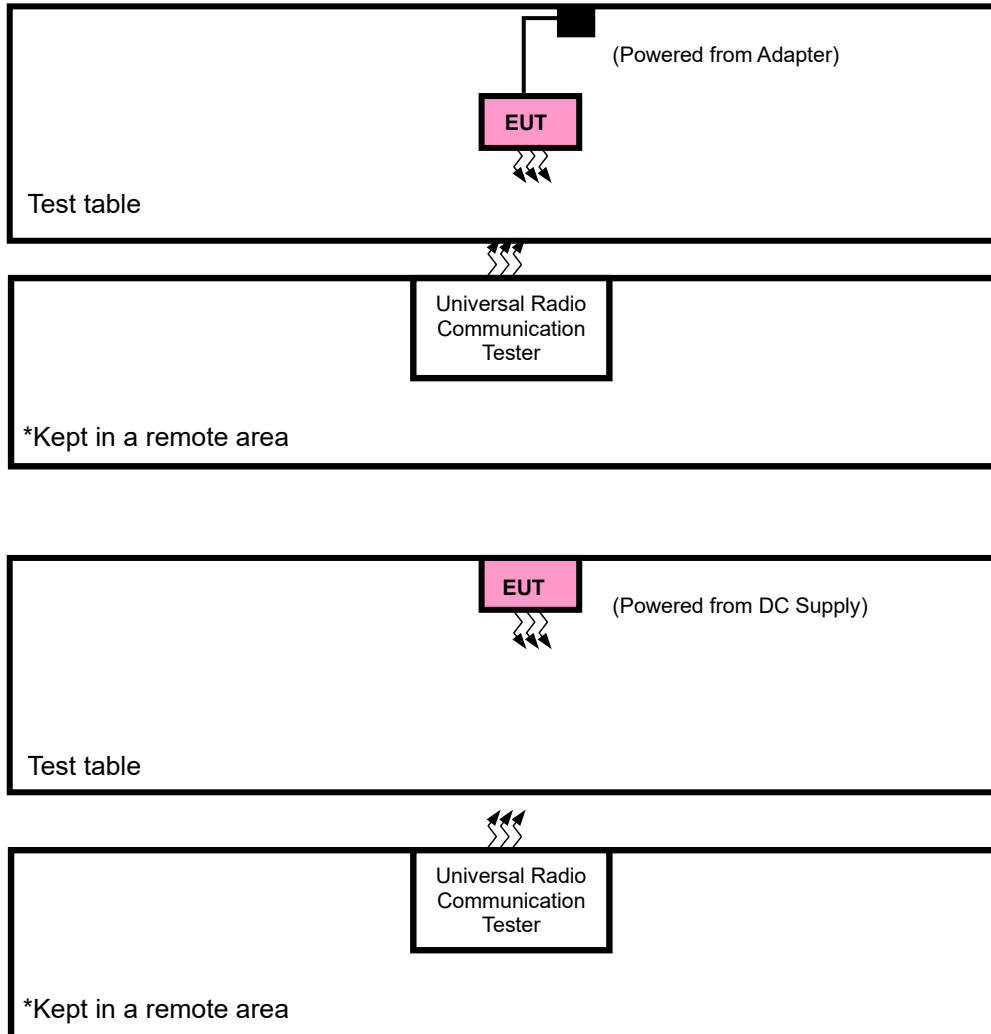
1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

| 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 | DC source | LONG WEI | PS-6403D | 010934269 | N/A |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|-----|---|
| 1 | DC Line: Unshielded, Detachable 1.8m |

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 with LTE link |
| B | EUT + DC Supply 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, 26740, 26783 | 1.4MHz | QPSK,16QAM | 1 RB / 0 RB Offset | | |
| | | 26705 to 26775 | 26705, 26740, 26775 | 3MHz | QPSK,16QAM | 1 RB / 0 RB Offset | | |
| | | 26715 to 26765 | 26715, 26740, 26765 | 5MHz | QPSK,16QAM | 1 RB / 0 RB Offset | | |
| | | 26740 | 26740 | 10MHz | QPSK,16QAM | 1 RB / 0 RB Offset | | |
| B | FREQUENCY STABILITY | 26740 | 26740 | 10MHz | QPSK,16QAM | Full RB / 0 RB Offset | | |
| A | PEAK TO AVERAGE RATIO | 26740 | 26740 | 10MHz | QPSK,16QAM | 1 RB / 0 RB Offset Full RB / 0 RB Offset | | |
| A | OCCUPIED BANDWIDTH | 26697 to 26783 | 26697, 26740, 26783 | 1.4MHz | QPSK,16QAM | Full RB / 0 RB Offset | | |
| | | 26705 to 26775 | 26705, 26740, 26775 | 3MHz | QPSK,16QAM | Full RB / 0 RB Offset | | |
| | | 26715 to 26765 | 26715, 26740, 26765 | 5MHz | QPSK,16QAM | Full RB / 0 RB Offset | | |
| | | 26740 | 26740 | 10MHz | QPSK,16QAM | Full RB / 0 RB Offset | | |
| A | BAND EDGE | 26697 to 26783 | 26697 | 1.4MHz | QPSK,16QAM | 1 RB / 0 RB Offset Full RB / 0 RB Offset | | |
| | | | 26783 | 1.4MHz | QPSK,16QAM | 1 RB / 5 RB Offset Full RB / 0 RB Offset | | |
| | | 26705 to 26775 | 26705 | 3MHz | QPSK,16QAM | 1 RB / 0 RB Offset Full RB / 0 RB Offset | | |
| | | | 26775 | 3MHz | QPSK,16QAM | 1 RB / 14 RB Offset Full RB / 0 RB Offset | | |
| | | 26715 to 26765 | 26715 | 5MHz | QPSK,16QAM | 1 RB / 0 RB Offset Full RB / 0 RB Offset | | |
| | | | 26765 | 5MHz | QPSK,16QAM | 1 RB / 24 RB Offset Full RB / 0 RB Offset | | |
| | | 26740 | 26740 | 10MHz | QPSK,16QAM | 1 RB / 0 RB Offset Full RB / 0 RB Offset | | |
| | | | 26740 | 10MHz | QPSK,16QAM | 1 RB / 49 RB Offset Full RB / 0 RB Offset | | |
| | | A | CONDUCTED EMISSION | 26697 to 26783 | 26697, 26740, 26783 | 1.4MHz | QPSK,16QAM | 1 RB / 0 RB Offset |
| | | | | 26705 to 26775 | 26705, 26740, 26775 | 3MHz | QPSK,16QAM | 1 RB / 0 RB Offset |
| | | | | 26715 to 26765 | 26715, 26740, 26765 | 5MHz | QPSK,16QAM | 1 RB / 0 RB Offset |
| | | | | 26740 | 26740 | 10MHz | QPSK,16QAM | 1 RB / 0 RB Offset |
| A | RADIATED EMISSION | 26697 to 26783 | 26740 | 1.4MHz | QPSK | 1 RB / 0 RB Offset | | |
| | | 26705 to 26775 | 26705, 26740, 26775 | 3MHz | QPSK | 1 RB / 0 RB Offset | | |
| | | 26715 to 26765 | 26740 | 5MHz | QPSK | 1 RB / 0 RB Offset | | |
| | | 26740 | 26740 | 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.



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TEST CONDITION:

| TEST ITEM | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY |
|---------------------|--------------------------|--------------------------------|-----------|
| EIRP(ERP) | 24deg. C, 60%RH | EUT 3.8V | Jace Hu |
| FREQUENCY STABILITY | 24deg. C, 61%RH | DC 3.2V/3.8V/4.2V By DC Supply | James Fu |
| OCCUPIED BANDWIDTH | 24deg. C, 61%RH | EUT 3.8V | James Fu |
| BAND EDGE | 24deg. C, 61%RH | EUT 3.8V | James Fu |
| CONDUCTED EMISSION | 24deg. C, 61%RH | EUT 3.8V | James Fu |
| RADIATED EMISSION | 23deg. C, 70%RH | EUT 3.8V | Jace Hu |

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 (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);

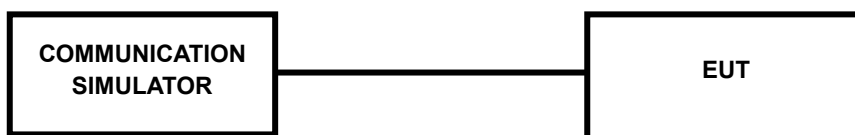
L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB

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)

LTE Band 26

| Band/BW | Modulation | RB Size | RB Offset | Low CHG 26697 | Mid CH 26740 | High CH 26783 |
|---------|------------|---------|-----------|------------------------|----------------------|------------------------|
| | | | | Frequency 814.7 MHz | Frequency 819 MHz | Frequency 823.3 MHz |
| 26/ 1.4 | QPSK | 1 | 0 | 23.02 | 23.04 | 23.00 |
| | | 1 | 2 | 22.93 | 22.95 | 22.96 |
| | | 1 | 5 | 22.83 | 22.80 | 22.88 |
| | | 3 | 0 | 22.62 | 22.62 | 22.69 |
| | | 3 | 1 | 22.56 | 22.54 | 22.54 |
| | | 3 | 3 | 22.46 | 22.47 | 22.38 |
| | 16QAM | 6 | 0 | 22.07 | 22.11 | 22.00 |
| | | 1 | 0 | 22.31 | 22.31 | 22.31 |
| | | 1 | 2 | 22.45 | 22.50 | 22.47 |
| | | 1 | 5 | 22.36 | 22.27 | 22.37 |
| | | 3 | 0 | 22.70 | 22.65 | 22.64 |
| | | 3 | 1 | 22.78 | 22.76 | 22.68 |
| | | 3 | 3 | 22.70 | 22.74 | 22.73 |
| | | 6 | 0 | 21.29 | 21.31 | 21.30 |



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| Band/BW | Modulation | RB Size | RB Offset | Low CHG 26705 | Mid CH 26740 | High CH 26775 |
|---------|------------|---------|-----------|------------------------|----------------------|------------------------|
| | | | | Frequency 815.5 MHz | Frequency 819 MHz | Frequency 822.5 MHz |
| 26/ 3 | QPSK | 1 | 0 | 22.97 | 23.05 | 23.06 |
| | | 1 | 7 | 22.95 | 23.00 | 22.97 |
| | | 1 | 14 | 22.89 | 22.86 | 22.85 |
| | | 8 | 0 | 22.21 | 22.22 | 22.15 |
| | | 8 | 3 | 22.04 | 22.07 | 22.00 |
| | | 8 | 7 | 22.00 | 21.92 | 21.94 |
| | | 15 | 0 | 22.06 | 22.10 | 22.07 |
| | 16QAM | 1 | 0 | 22.35 | 22.28 | 22.27 |
| | | 1 | 7 | 22.49 | 22.41 | 22.45 |
| | | 1 | 14 | 22.32 | 22.27 | 22.35 |
| | | 8 | 0 | 22.18 | 22.20 | 22.24 |
| | | 8 | 3 | 22.26 | 22.23 | 22.27 |
| | | 8 | 7 | 22.14 | 22.21 | 22.20 |
| | | 15 | 0 | 21.27 | 21.34 | 21.33 |

| Band/BW | Modulation | RB Size | RB Offset | Low CHG 26715 | Mid CH 26740 | High CH 26765 |
|---------|------------|---------|-----------|------------------------|----------------------|------------------------|
| | | | | Frequency 816.5 MHz | Frequency 819 MHz | Frequency 821.5 MHz |
| 26/ 5 | QPSK | 1 | 0 | 23.02 | 23.01 | 23.05 |
| | | 1 | 12 | 22.94 | 22.92 | 23.03 |
| | | 1 | 24 | 22.88 | 22.89 | 22.84 |
| | | 12 | 0 | 22.18 | 22.18 | 22.19 |
| | | 12 | 6 | 22.05 | 22.07 | 22.09 |
| | | 12 | 13 | 22.00 | 21.95 | 21.89 |
| | | 25 | 0 | 22.09 | 22.01 | 22.06 |
| | 16QAM | 1 | 0 | 22.32 | 22.27 | 22.32 |
| | | 1 | 12 | 22.39 | 22.40 | 22.44 |
| | | 1 | 24 | 22.29 | 22.35 | 22.38 |
| | | 12 | 0 | 22.23 | 22.13 | 22.23 |
| | | 12 | 6 | 22.22 | 22.24 | 22.18 |
| | | 12 | 13 | 22.23 | 22.22 | 22.14 |
| | | 25 | 0 | 21.28 | 21.24 | 21.32 |



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| Band/BW | Modulation | RB Size | RB Offset | / | Mid CH 26740 | / |
|---------|------------|---------|-----------|---|----------------------|---|
| | | | | / | Frequency 819 MHz | / |
| 26/ 10 | QPSK | 1 | 0 | / | 23.08 | / |
| | | 1 | 24 | / | 23.04 | / |
| | | 1 | 49 | / | 22.91 | / |
| | | 25 | 0 | / | 22.23 | / |
| | | 25 | 12 | / | 22.10 | / |
| | | 25 | 25 | / | 22.00 | / |
| | | 50 | 0 | / | 22.11 | / |
| | 16QAM | 1 | 0 | / | 22.37 | / |
| | | 1 | 24 | / | 22.50 | / |
| | | 1 | 49 | / | 22.39 | / |
| | | 12 | 0 | / | 22.24 | / |
| | | 12 | 17 | / | 22.29 | / |
| | | 12 | 36 | / | 22.25 | / |
| | | 27 | 0 | / | 21.36 | / |

ERP

LTE BAND 26

CHANNEL BANDWIDTH: 1.4MHz QPSK

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 26697 | 814.7 | 23.02 | 0.64 | 21.51 | 141.58 | 100 |
| 26740 | 819 | 23.04 | 0.64 | 21.53 | 142.23 | 100 |
| 26783 | 823.3 | 23 | 0.64 | 21.49 | 140.93 | 100 |

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

CHANNEL BANDWIDTH: 1.4MHz 16QAM

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 26697 | 814.7 | 22.78 | 0.64 | 21.27 | 133.97 | 100 |
| 26740 | 819 | 22.76 | 0.64 | 21.25 | 133.35 | 100 |
| 26783 | 823.3 | 22.73 | 0.64 | 21.22 | 132.43 | 100 |

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

CHANNEL BANDWIDTH: 3MHz QPSK

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 26705 | 815.5 | 22.97 | 0.64 | 21.46 | 139.96 | 100 |
| 26740 | 819 | 23.05 | 0.64 | 21.54 | 142.56 | 100 |
| 26775 | 822.5 | 23.06 | 0.64 | 21.55 | 142.89 | 100 |

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

CHANNEL BANDWIDTH: 3MHz 16QAM

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 26705 | 815.5 | 22.49 | 0.64 | 20.98 | 125.31 | 100 |
| 26740 | 819 | 22.41 | 0.64 | 20.9 | 123.03 | 100 |
| 26775 | 822.5 | 22.45 | 0.64 | 20.94 | 124.17 | 100 |

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



Test Report No.: W7L-P23070009RF05

CHANNEL BANDWIDTH: 5MHz QPSK

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 26715 | 816.5 | 23.02 | 0.64 | 21.51 | 141.58 | 100 |
| 26740 | 819 | 23.01 | 0.64 | 21.5 | 141.25 | 100 |
| 26765 | 821.5 | 23.05 | 0.64 | 21.54 | 142.56 | 100 |

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

CHANNEL BANDWIDTH: 5MHz 16QAM

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| 26715 | 816.5 | 22.39 | 0.64 | 20.88 | 122.46 | 100 |
| 26740 | 819 | 22.4 | 0.64 | 20.89 | 122.74 | 100 |
| 26765 | 821.5 | 22.44 | 0.64 | 20.93 | 123.88 | 100 |

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

CHANNEL BANDWIDTH: 10MHz QPSK

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| - | - | - | - | - | - | - |
| 26740 | 819 | 23.08 | 0.64 | 21.57 | 143.55 | 100 |
| - | - | - | - | - | - | - |

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

CHANNEL BANDWIDTH: 10MHz 16QAM

| Channel | Frequency (MHz) | Conducted Power (dBm) | G _T -L _C (dB) | ERP (dBm) | ERP (mW) | Limit (W) |
|---------|-----------------|-----------------------|-------------------------------------|-----------|----------|-----------|
| - | - | - | - | - | - | - |
| 26740 | 819 | 22.5 | 0.64 | 20.99 | 125.6 | 100 |
| - | - | - | - | - | - | - |

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

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

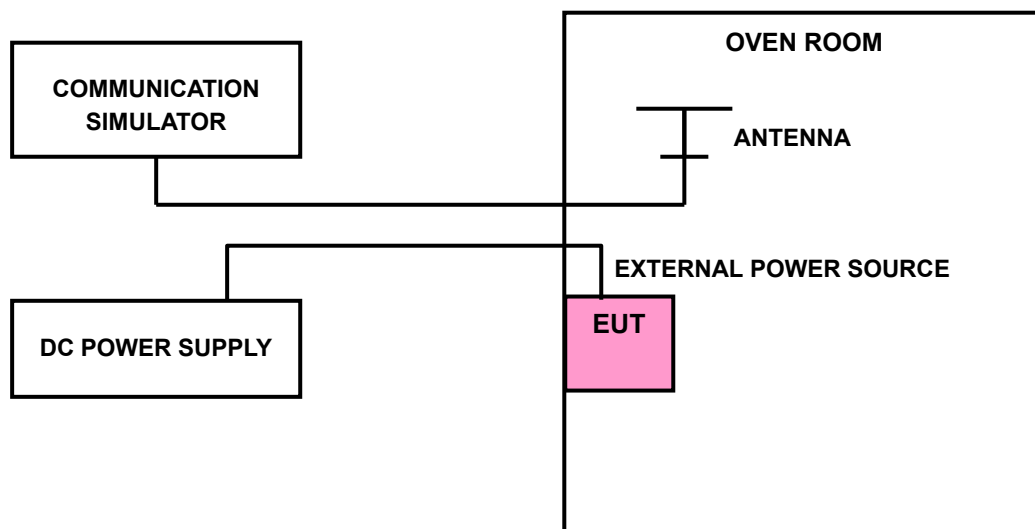
The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked.

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





Test Report No.: W7L-P23070009RF05

3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

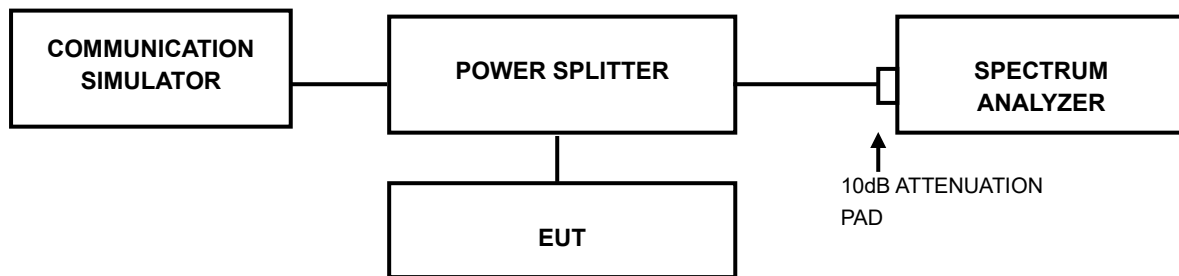
Note: VL = Low voltage(3.2V); VN/NV = Normal voltage(3.8V); VH = High voltage(4.2V);
NT = Normal temperature (25°C)

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

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



Test Report No.: W7L-P23070009RF05

3.3.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.4 EMISSION MASK MEASUREMENT

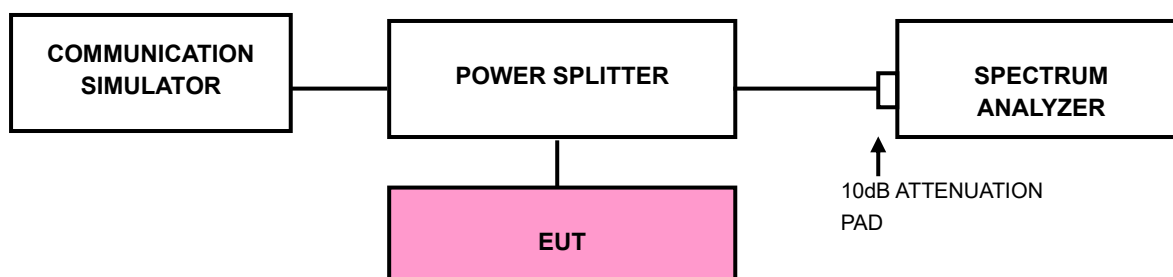
3.4.1 LIMITS OF EMISSION MASK MEASUREMENT

LTE Band26:

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





Test Report No.: W7L-P23070009RF05

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.



Test Report No.: W7L-P23070009RF05

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

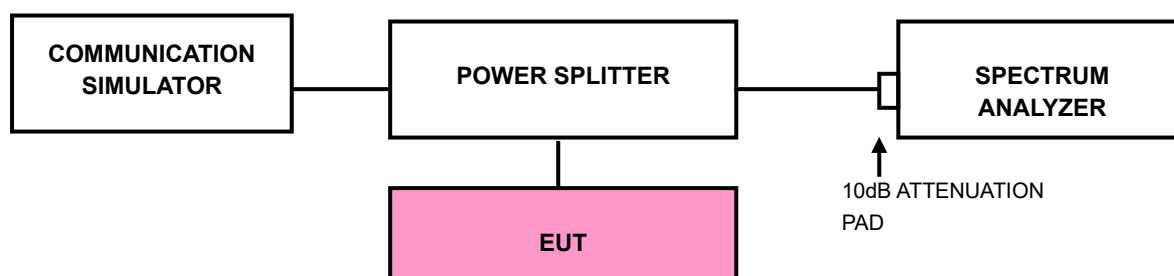
(1) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

(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.

3.5.2 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





Test Report No.: W7L-P23070009RF05

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 -13dBm

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

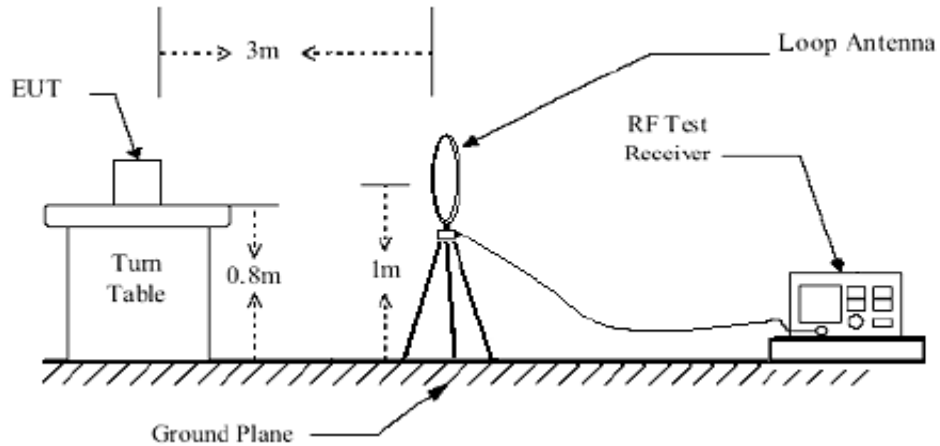
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

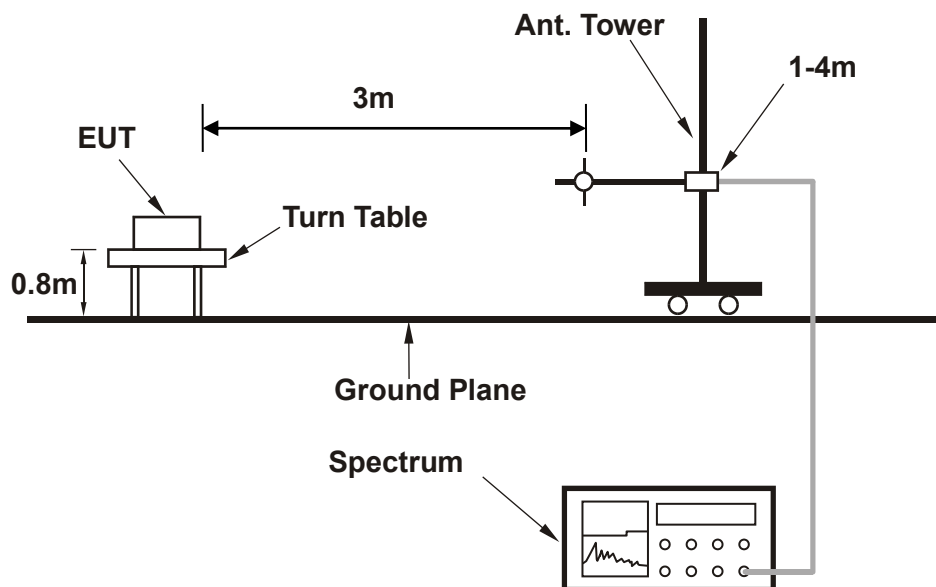
No deviation

3.6.4 TEST SETUP

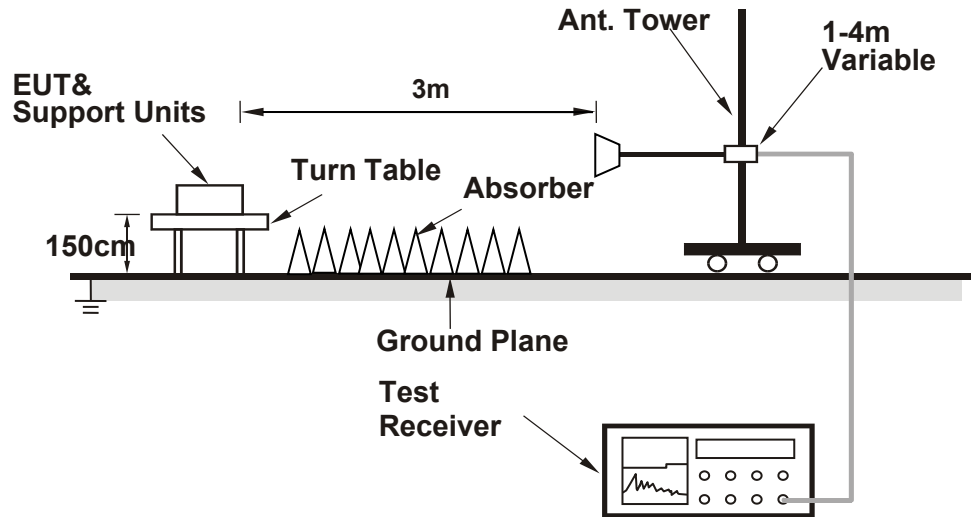
<Below 30MHz>



< 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

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

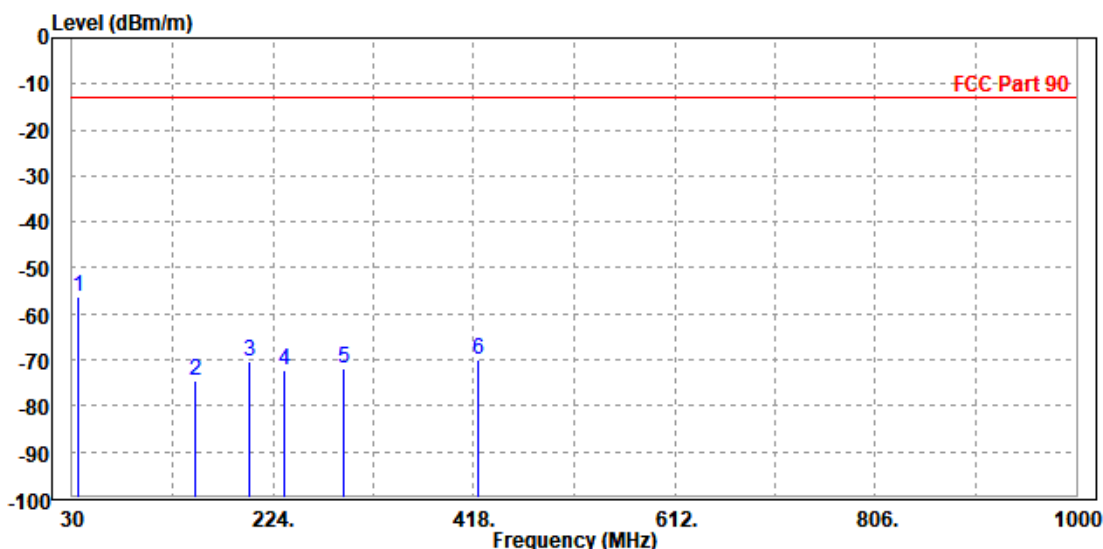
30 MHz – 1GHz data:

LTE Band 26:

CHANNEL BANDWIDTH: 3MHz / QPSK

| | | | |
|---|------------------|-----------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Below 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace HU | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Read Level | Limit Level | Over Limit | Factor | Remark | Pol/Phase |
|------|---------|------------|-------------|------------|--------|--------|-----------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | |
| 1 PP | 35.820 | -56.18 | -43.33 | -13.00 | -43.18 | -12.85 | Peak Horizontal |
| 2 | 148.340 | -74.53 | -55.39 | -13.00 | -61.53 | -19.14 | Peak Horizontal |
| 3 | 200.720 | -70.34 | -53.00 | -13.00 | -57.34 | -17.34 | Peak Horizontal |
| 4 | 234.670 | -72.15 | -58.87 | -13.00 | -59.15 | -13.28 | Peak Horizontal |
| 5 | 292.870 | -71.83 | -59.51 | -13.00 | -58.83 | -12.32 | Peak Horizontal |
| 6 | 422.850 | -69.97 | -60.35 | -13.00 | -56.97 | -9.62 | Peak Horizontal |

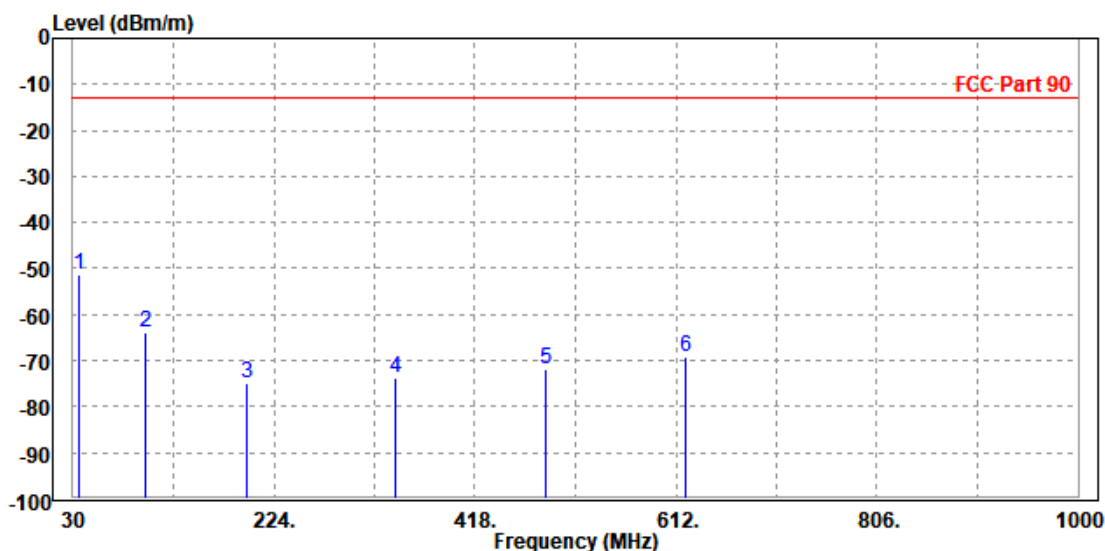




Test Report No.: W7L-P23070009RF05

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Below 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace HU | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase | |
|---|------|---------|------------|------------|------------|--------|--------|-----------|----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | | |
| 1 | PP | 35.820 | -51.45 | -30.07 | -13.00 | -38.45 | -21.38 | Peak | Vertical |
| 2 | | 99.840 | -64.06 | -57.55 | -13.00 | -51.06 | -6.51 | Peak | Vertical |
| 3 | | 197.810 | -75.04 | -56.86 | -13.00 | -62.04 | -18.18 | Peak | Vertical |
| 4 | | 341.370 | -73.83 | -63.77 | -13.00 | -60.83 | -10.06 | Peak | Vertical |
| 5 | | 486.870 | -71.93 | -63.73 | -13.00 | -58.93 | -8.20 | Peak | Vertical |
| 6 | | 620.730 | -69.36 | -63.39 | -13.00 | -56.36 | -5.97 | Peak | Vertical |





Test Report No.: W7L-P23070009RF05

ABOVE 1GHz

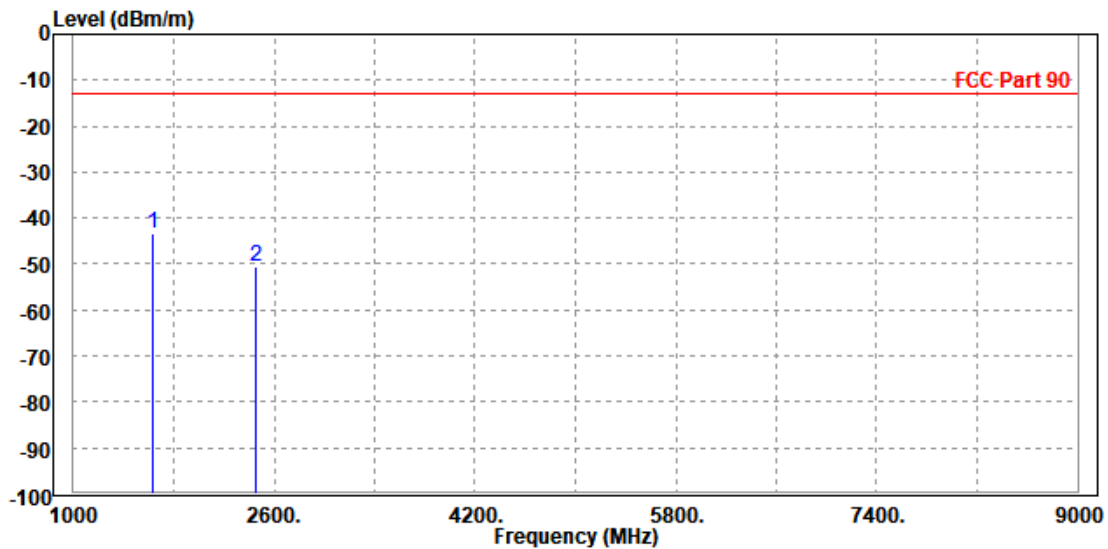
Note: For higher frequency, the emission is too low to be detected.

LTE BAND 26

CHANNEL BANDWIDTH: 1.4MHz / QPSK

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1638.000 | -43.17 | -43.86 | -13.00 | -30.17 | 0.69 | Peak | Horizontal |
| 2 | 2456.000 | -50.71 | -55.99 | -13.00 | -37.71 | 5.28 | Peak | Horizontal |

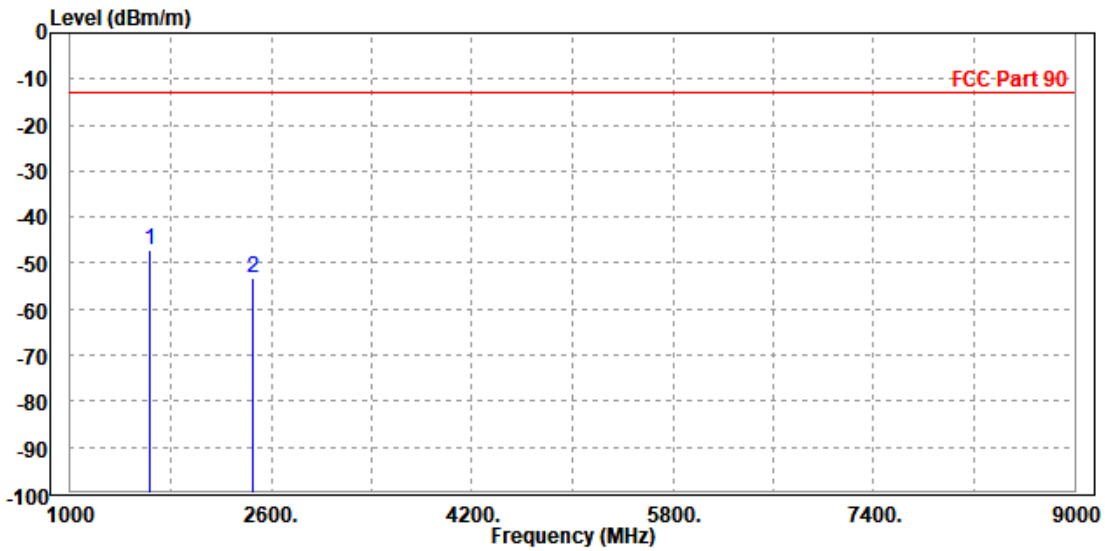




Test Report No.: W7L-P23070009RF05

| | | | |
|---|------------------|-----------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1640.000 | -47.00 | -47.98 | -13.00 | -34.00 | 0.98 | Peak | Vertical |
| 2 | 2457.000 | -53.20 | -58.02 | -13.00 | -40.20 | 4.82 | Peak | Vertical |





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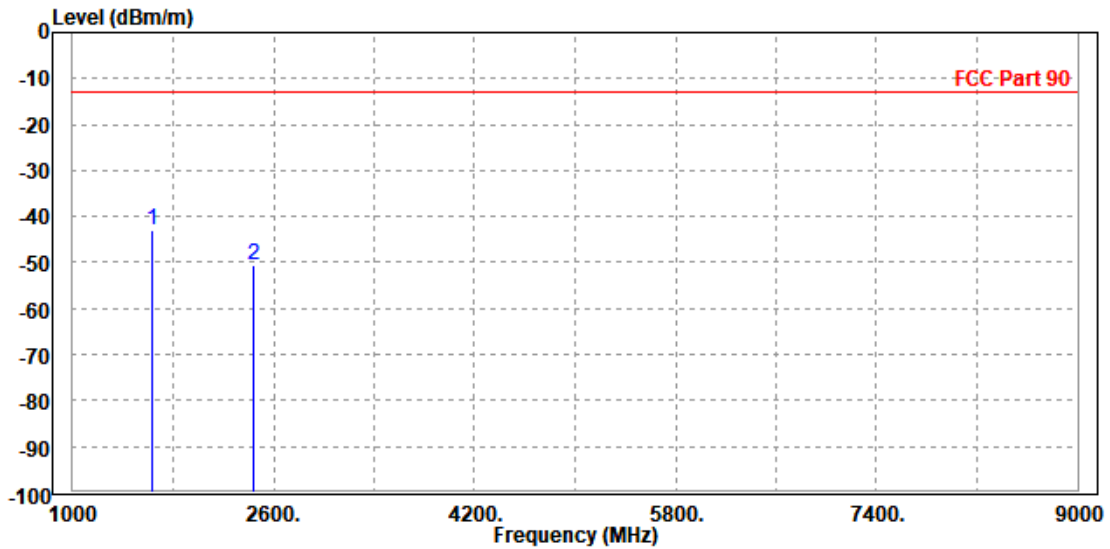
Test Report No.: W7L-P23070009RF05

CHANNEL BANDWIDTH: 3MHz / QPSK

CH26705

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26705 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1632.000 | -42.98 | -43.62 | -13.00 | -29.98 | 0.64 | Peak | Horizontal |
| 2 | 2446.500 | -50.70 | -55.94 | -13.00 | -37.70 | 5.24 | Peak | Horizontal |

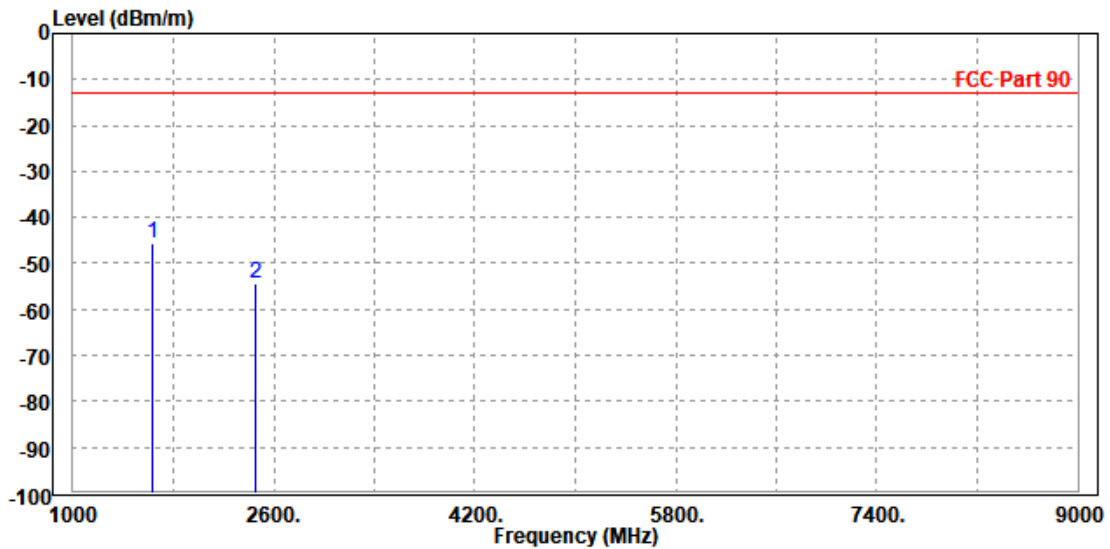




Test Report No.: W7L-P23070009RF05

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26705 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1631.000 | -45.79 | -46.70 | -13.00 | -32.79 | 0.91 | Peak | Vertical |
| 2 | 2448.000 | -54.26 | -59.06 | -13.00 | -41.26 | 4.80 | Peak | Vertical |





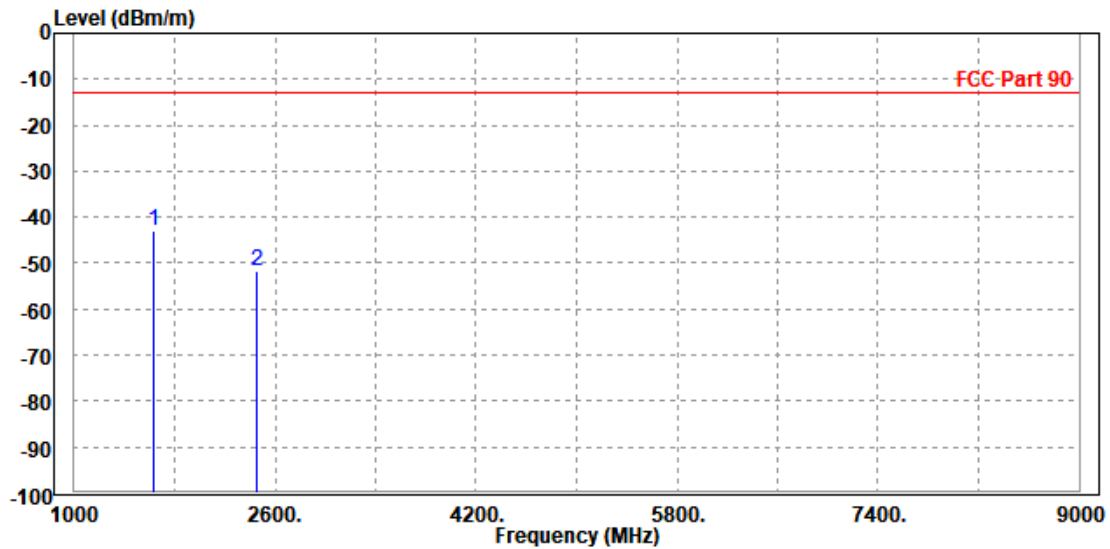
**BUREAU
VERITAS**

Test Report No.: W7L-P23070009RF05

CH26740

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1640.000 | -43.05 | -43.76 | -13.00 | -30.05 | 0.71 | Peak | Horizontal |
| 2 | 2457.000 | -51.69 | -56.97 | -13.00 | -38.69 | 5.28 | Peak | Horizontal |

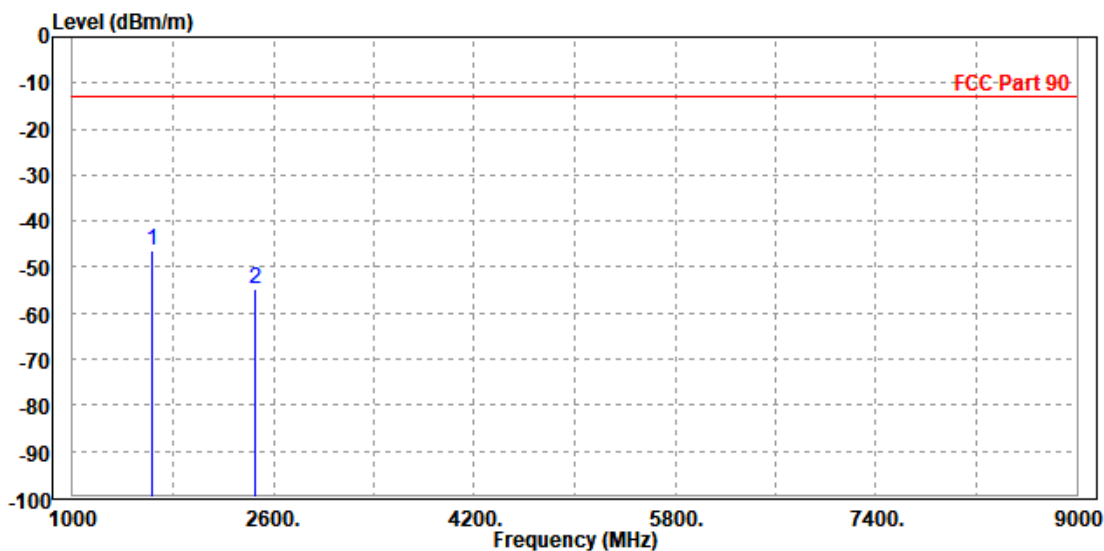




Test Report No.: W7L-P23070009RF05

| | | | |
|---|------------------|-----------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1638.000 | -46.30 | -47.26 | -13.00 | -33.30 | 0.96 | Peak | Vertical |
| 2 | 2456.000 | -54.70 | -59.52 | -13.00 | -41.70 | 4.82 | Peak | Vertical |





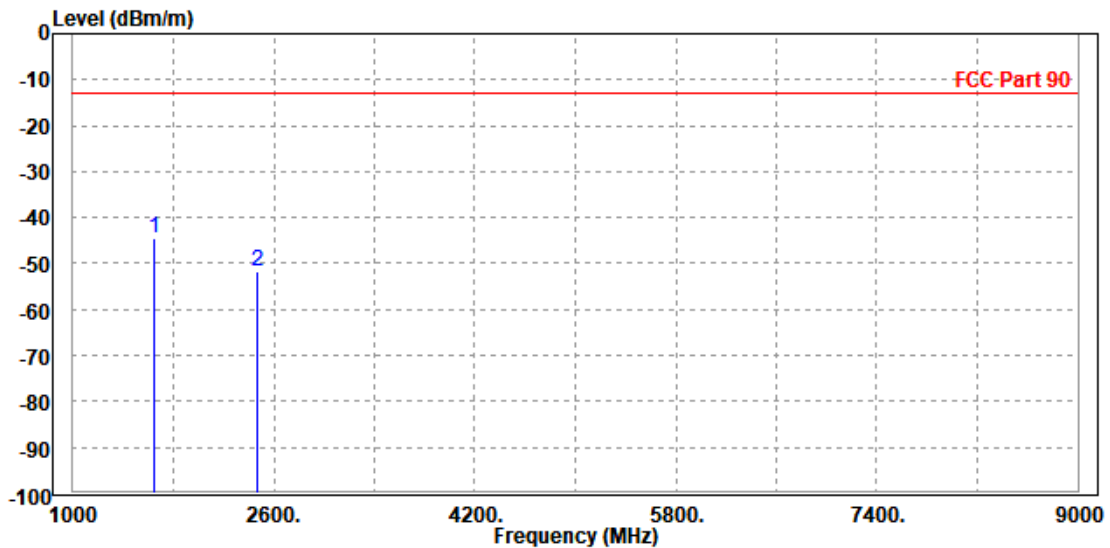
**BUREAU
VERITAS**

Test Report No.: W7L-P23070009RF05

CH26775

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26775 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1645.000 | -44.32 | -45.07 | -13.00 | -31.32 | 0.75 | Peak | Horizontal |
| 2 | 2464.000 | -51.73 | -57.04 | -13.00 | -38.73 | 5.31 | Peak | Horizontal |

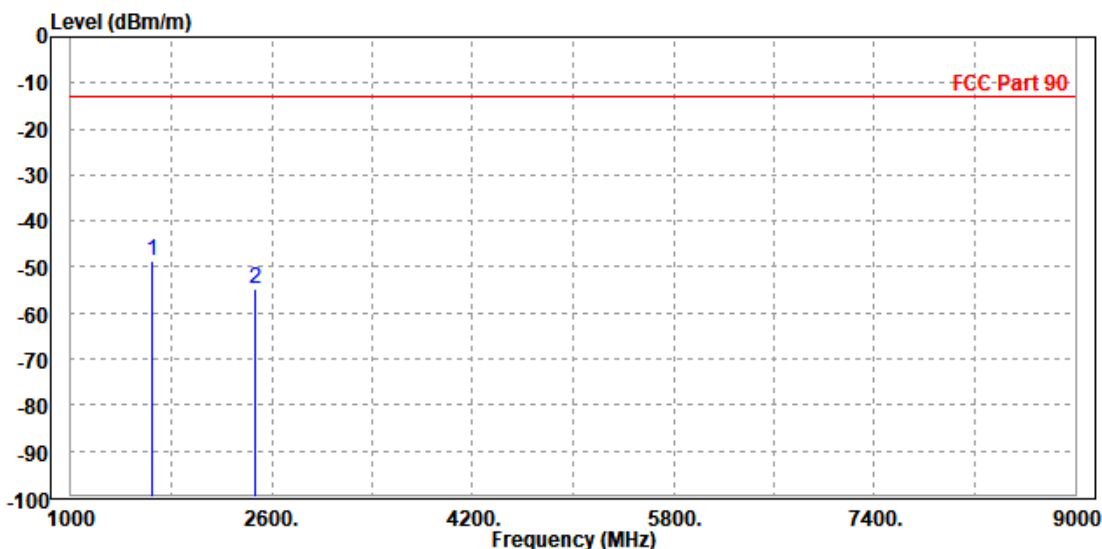




Test Report No.: W7L-P23070009RF05

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26775 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1648.000 | -48.62 | -49.66 | -13.00 | -35.62 | 1.04 | Peak | Vertical |
| 2 | 2467.500 | -54.65 | -59.50 | -13.00 | -41.65 | 4.85 | Peak | Vertical |





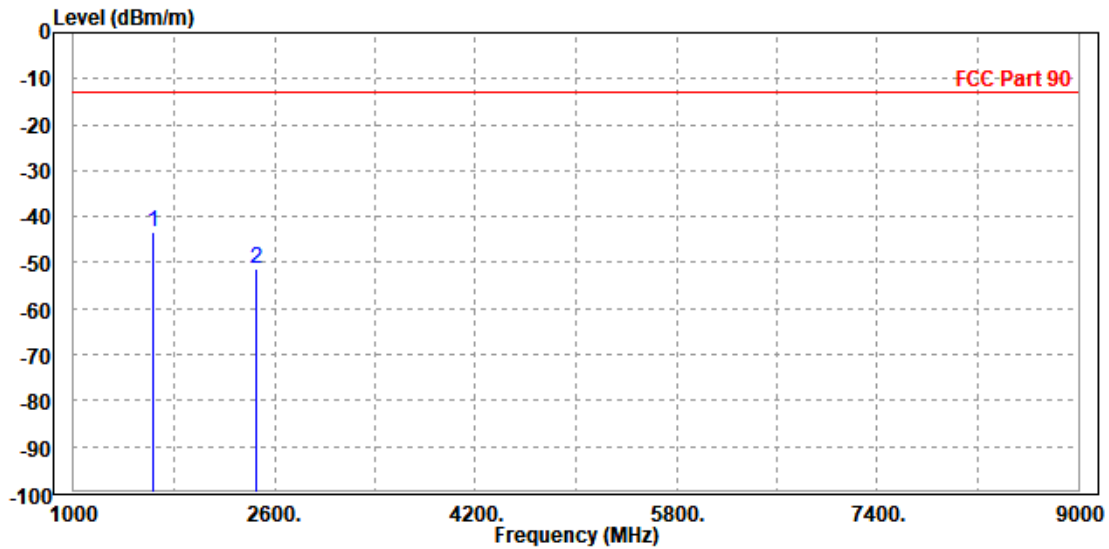
**BUREAU
VERITAS**

Test Report No.: W7L-P23070009RF05

CHANNEL BANDWIDTH: 5MHz / QPSK

| | | | |
|--|------------------|-----------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1638.000 | -43.42 | -44.11 | -13.00 | -30.42 | 0.69 | Peak | Horizontal |
| 2 | 2456.000 | -51.30 | -56.58 | -13.00 | -38.30 | 5.28 | Peak | Horizontal |

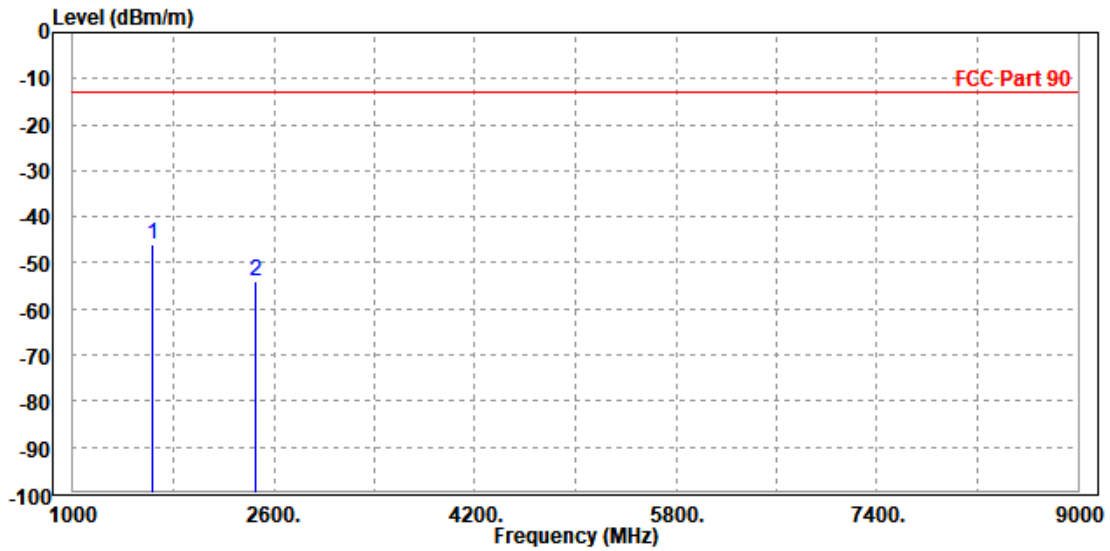




Test Report No.: W7L-P23070009RF05

| | | | |
|---|------------------|-----------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1640.000 | -46.18 | -47.16 | -13.00 | -33.18 | 0.98 | Peak | Vertical |
| 2 | 2457.000 | -53.92 | -58.74 | -13.00 | -40.92 | 4.82 | Peak | Vertical |





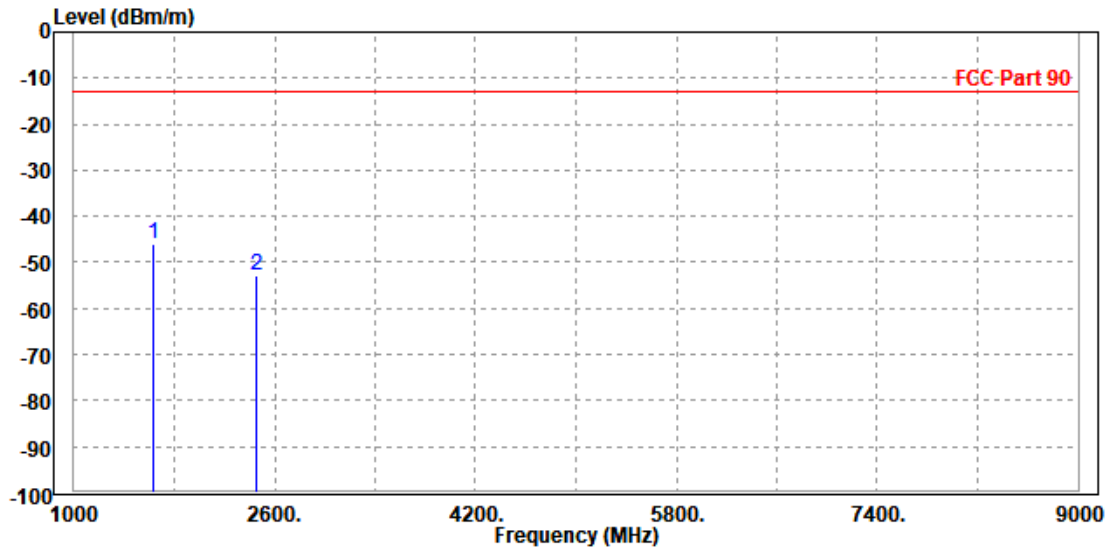
**BUREAU
VERITAS**

Test Report No.: W7L-P23070009RF05

CHANNEL BANDWIDTH: 10MHz / QPSK

| | | | |
|--|------------------|------------------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|------------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1640.000 | -46.13 | -46.84 | -13.00 | -33.13 | 0.71 | Peak | Horizontal |
| 2 | 2457.000 | -52.68 | -57.96 | -13.00 | -39.68 | 5.28 | Peak | Horizontal |

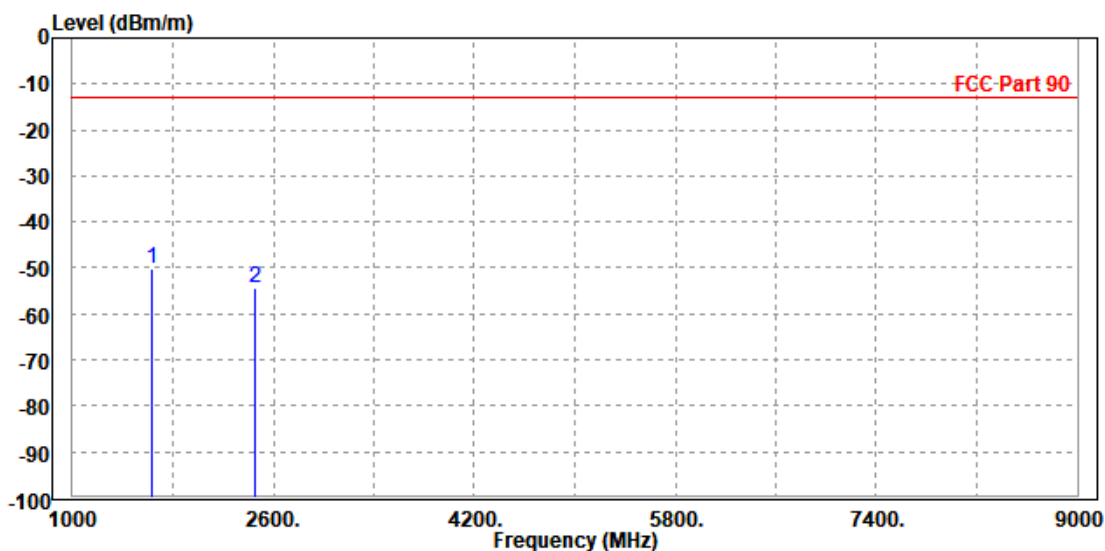




Test Report No.: W7L-P23070009RF05

| | | | |
|--|------------------|-----------------|---------------|
| MODE | TX channel 26740 | FREQUENCY RANGE | Above 1000MHz |
| ENVIRONMENTAL CONDITIONS | 23deg. C, 70%RH | INPUT POWER | AC 120V/60HZ |
| TESTED BY | Jace Hu | | |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | |

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|------------|------------|------------|--------|--------|-----------|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | | |
| 1 | PP 1638.000 | -50.08 | -51.04 | -13.00 | -37.08 | 0.96 | Peak | Vertical |
| 2 | 2456.000 | -54.21 | -59.03 | -13.00 | -41.21 | 4.82 | Peak | Vertical |

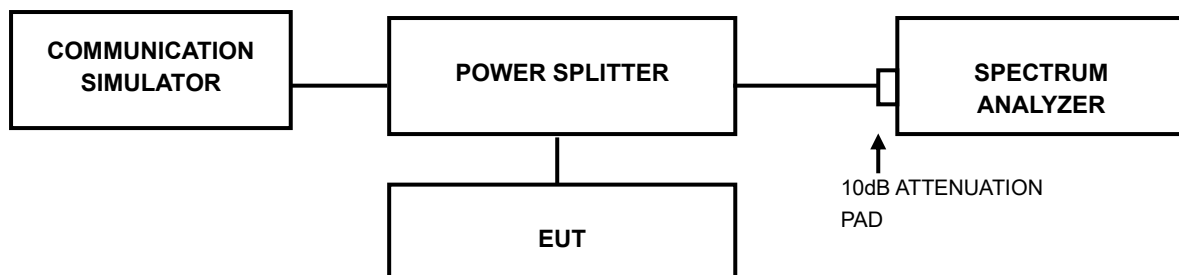


3.7 PEAK TO AVERAGE RATIO

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%.



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3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566

Fax: +86-755-88696577

Email: customerservice.sw@bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



Test Report No.: W7L-P23070009RF05

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.



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6 APPENDIX

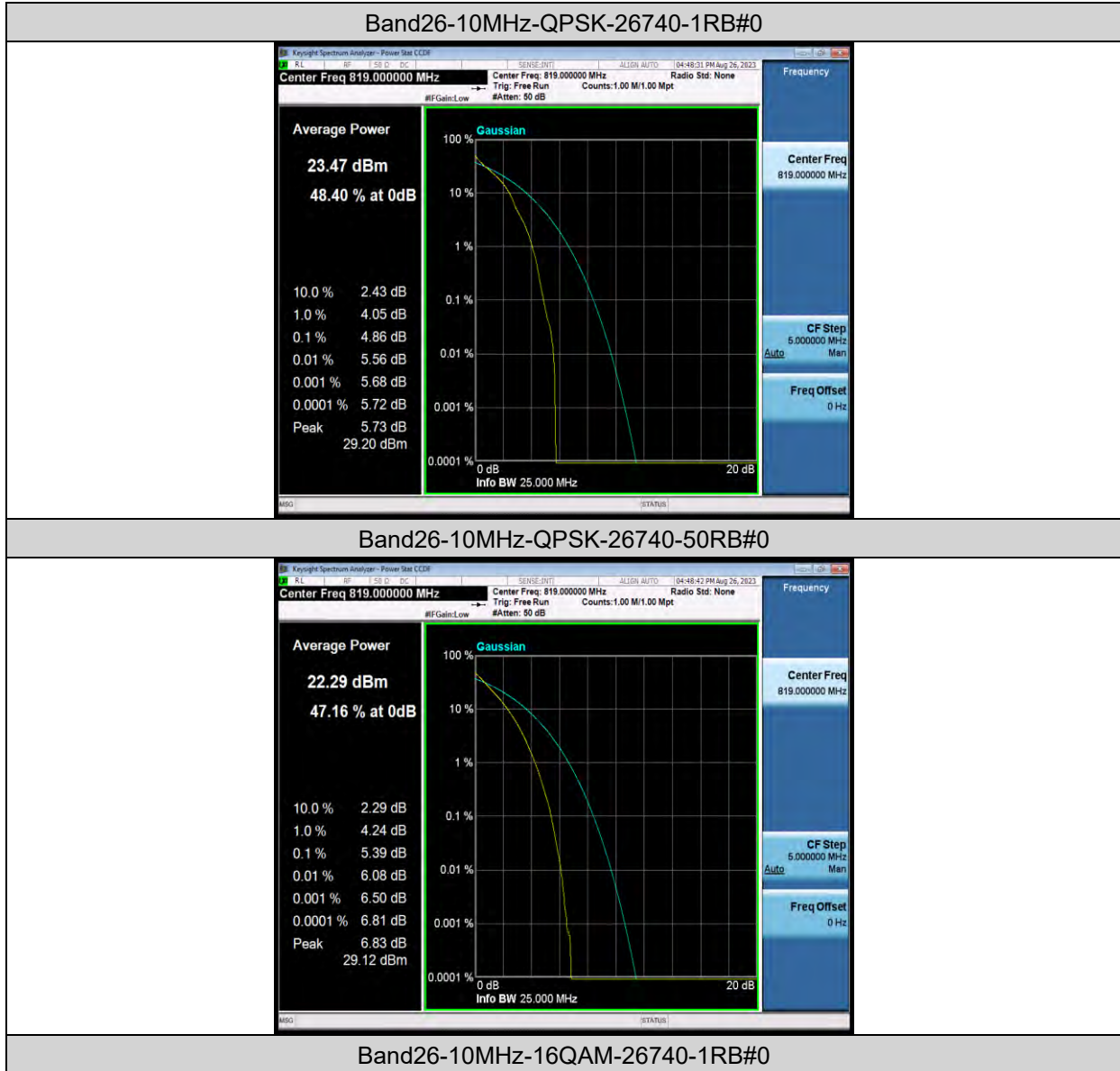
LTE BAND26

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band26 | 10MHz | QPSK | 26740 | 1RB#0 | 4.86 | 13 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | 5.39 | 13 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 1RB#0 | 6.00 | 13 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 27RB#0 | 6.08 | 13 | PASS |

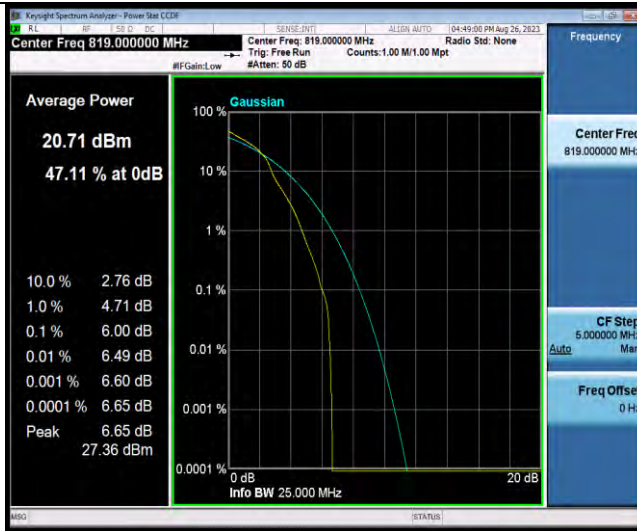
Test Graphs





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Test Report No.: W7L-P23070009RF05



Band26-10MHz-16QAM-26740-27RB#0



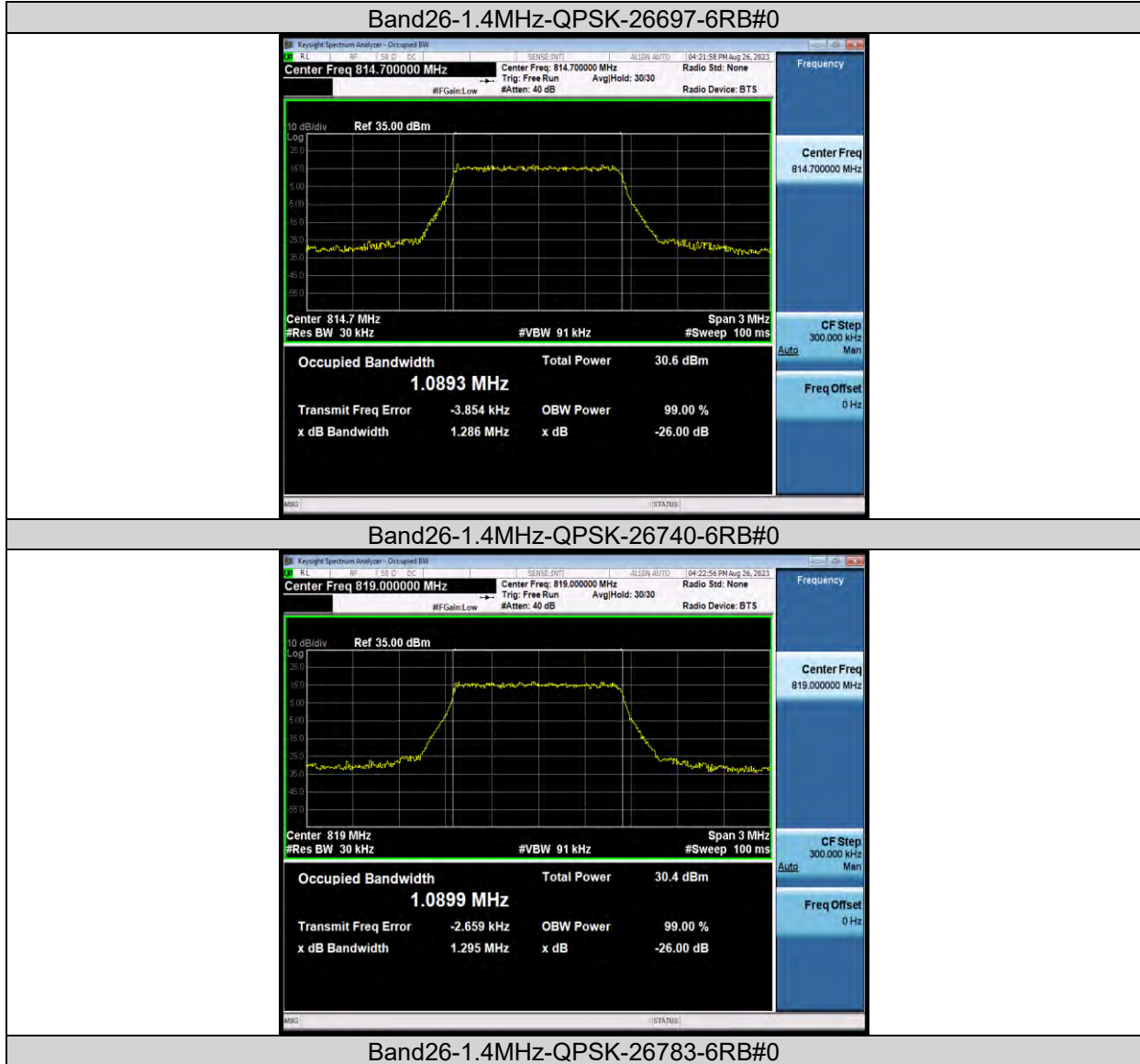


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band26 | 1.4MHz | QPSK | 26697 | 6RB#0 | 1.0893 | 1.286 | PASS |
| Band26 | 1.4MHz | QPSK | 26740 | 6RB#0 | 1.0899 | 1.295 | PASS |
| Band26 | 1.4MHz | QPSK | 26783 | 6RB#0 | 1.0918 | 1.290 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 6RB#0 | 1.0952 | 1.310 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 6RB#0 | 1.1001 | 1.288 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 6RB#0 | 1.0942 | 1.283 | PASS |
| Band26 | 3MHz | QPSK | 26705 | 15RB#0 | 2.6984 | 2.994 | PASS |
| Band26 | 3MHz | QPSK | 26740 | 15RB#0 | 2.6970 | 3.011 | PASS |
| Band26 | 3MHz | QPSK | 26775 | 15RB#0 | 2.6950 | 3.018 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 15RB#0 | 2.6948 | 2.999 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 15RB#0 | 2.6931 | 2.993 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 15RB#0 | 2.7061 | 3.033 | PASS |
| Band26 | 5MHz | QPSK | 26715 | 25RB#0 | 4.4946 | 5.031 | PASS |
| Band26 | 5MHz | QPSK | 26740 | 25RB#0 | 4.5148 | 5.097 | PASS |
| Band26 | 5MHz | QPSK | 26765 | 25RB#0 | 4.5143 | 5.097 | PASS |
| Band26 | 5MHz | 16QAM | 26715 | 25RB#0 | 4.4975 | 5.050 | PASS |
| Band26 | 5MHz | 16QAM | 26740 | 25RB#0 | 4.5007 | 5.068 | PASS |
| Band26 | 5MHz | 16QAM | 26765 | 25RB#0 | 4.4961 | 5.071 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | 8.9878 | 10.14 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 27RB#0 | 4.8642 | 5.509 | PASS |

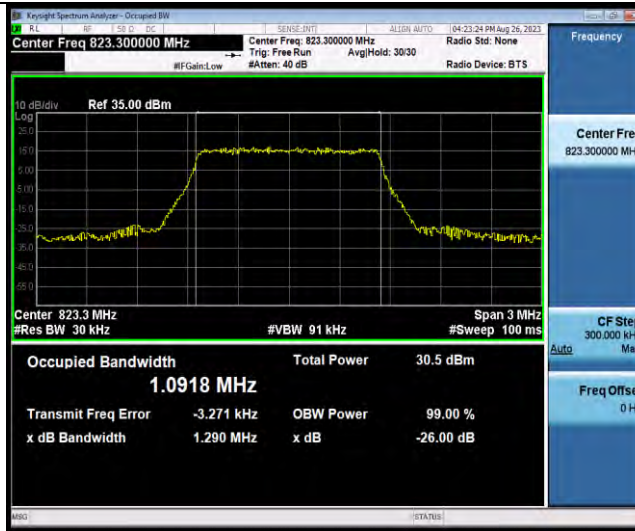
Test Graphs



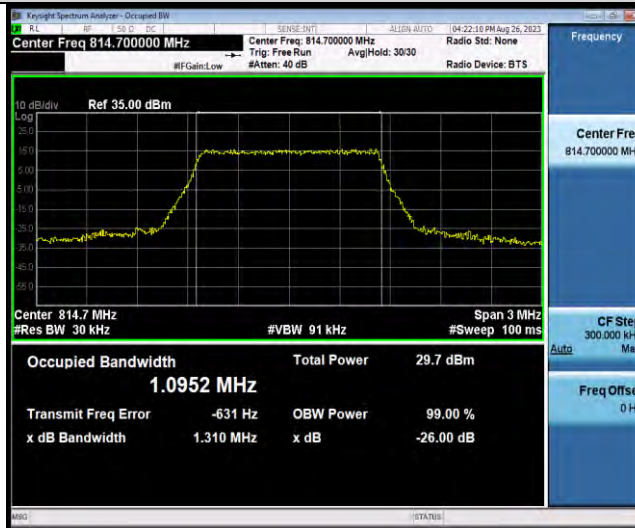


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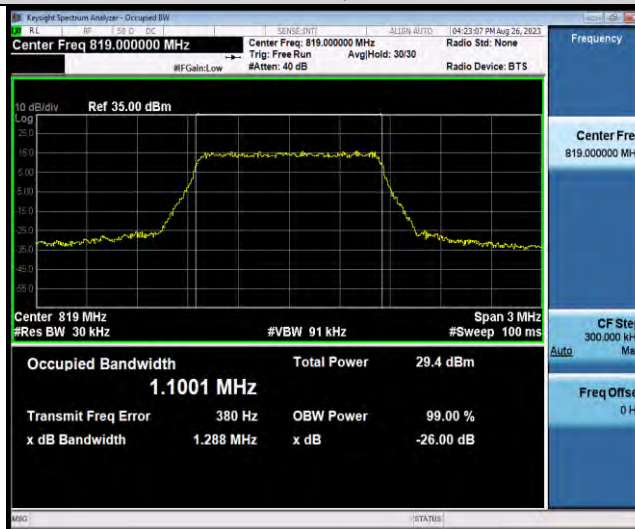
Test Report No.: W7L-P23070009RF05



Band26-1.4MHz-16QAM-26697-6RB#0



Band26-1.4MHz-16QAM-26740-6RB#0

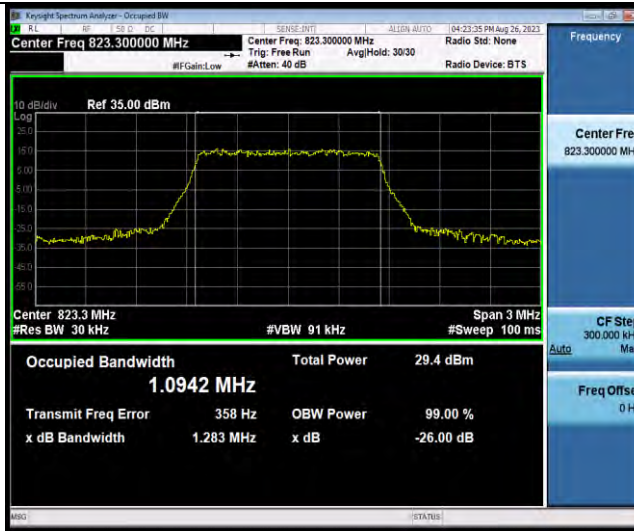


Band26-1.4MHz-16QAM-26783-6RB#0



BUREAU
VERITAS

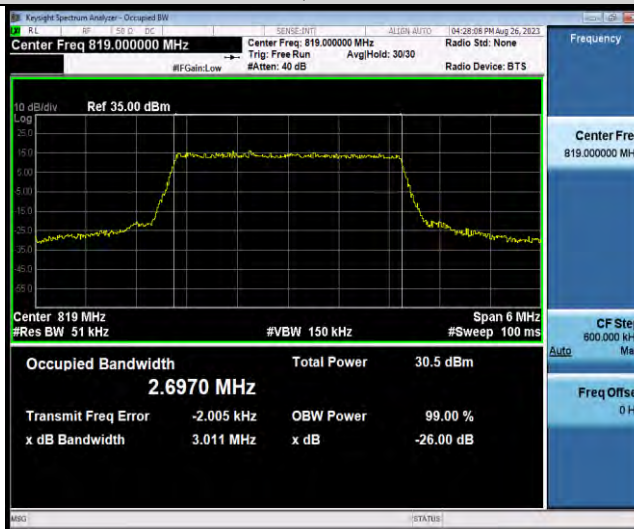
Test Report No.: W7L-P23070009RF05



Band26-3MHz-QPSK-26705-15RB#0



Band26-3MHz-QPSK-26740-15RB#0

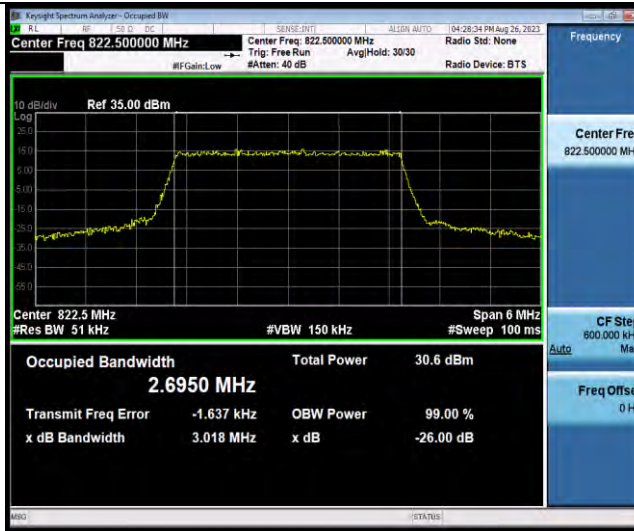


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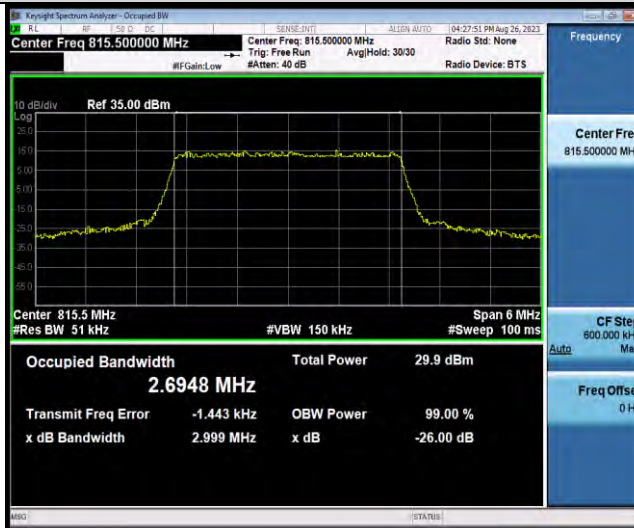


BUREAU VERITAS

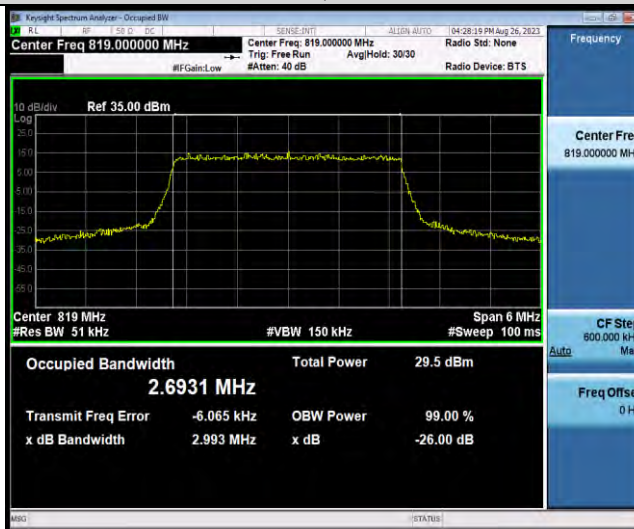
Test Report No.: W7L-P23070009RF05



Band26-3MHz-16QAM-26705-15RB#0



Band26-3MHz-16QAM-26740-15RB#0

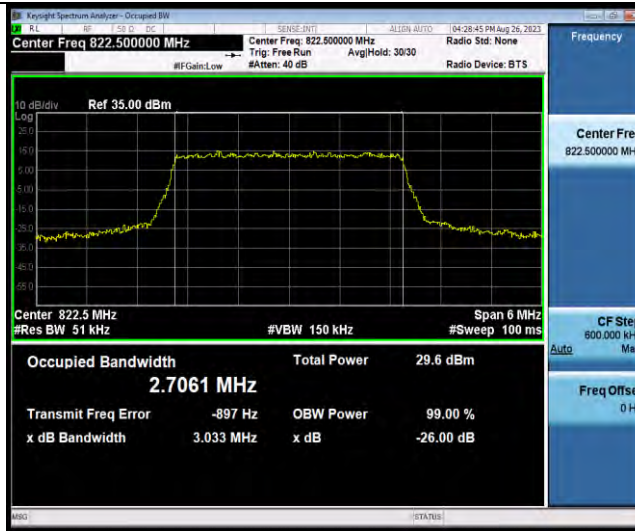


Band26-3MHz-16QAM-26775-15RB#0



BUREAU VERITAS

Test Report No.: W7L-P23070009RF05



Band26-5MHz-QPSK-26715-25RB#0



Band26-5MHz-QPSK-26740-25RB#0

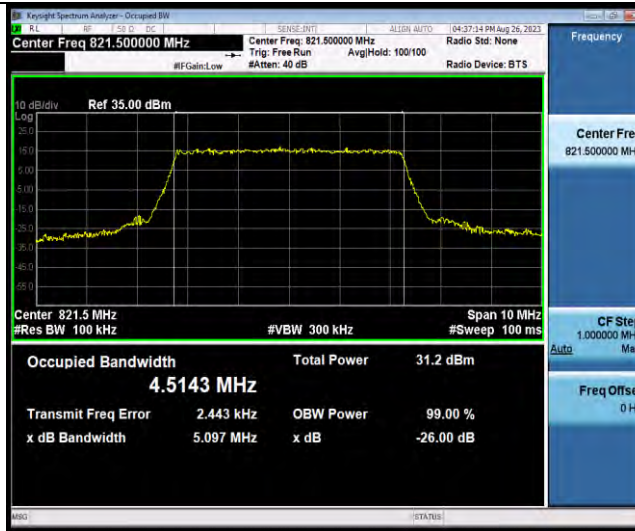


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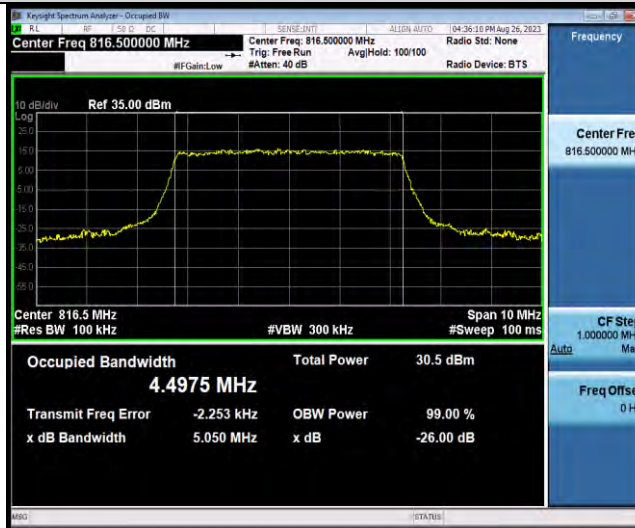


BUREAU VERITAS

Test Report No.: W7L-P23070009RF05



Band26-5MHz-16QAM-26715-25RB#0



Band26-5MHz-16QAM-26740-25RB#0

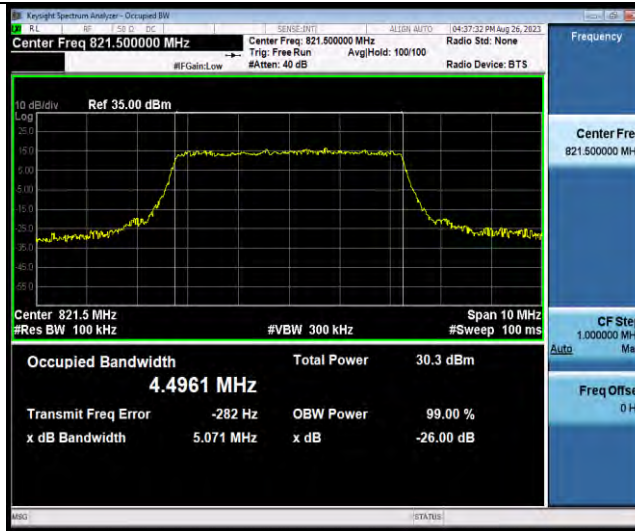


Band26-5MHz-16QAM-26765-25RB#0



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VERITAS

Test Report No.: W7L-P23070009RF05



Band26-10MHz-QPSK-26740-50RB#0



Band26-10MHz-16QAM-26740-27RB#0





Test Report No.: W7L-P23070009RF05

BAND EDGE

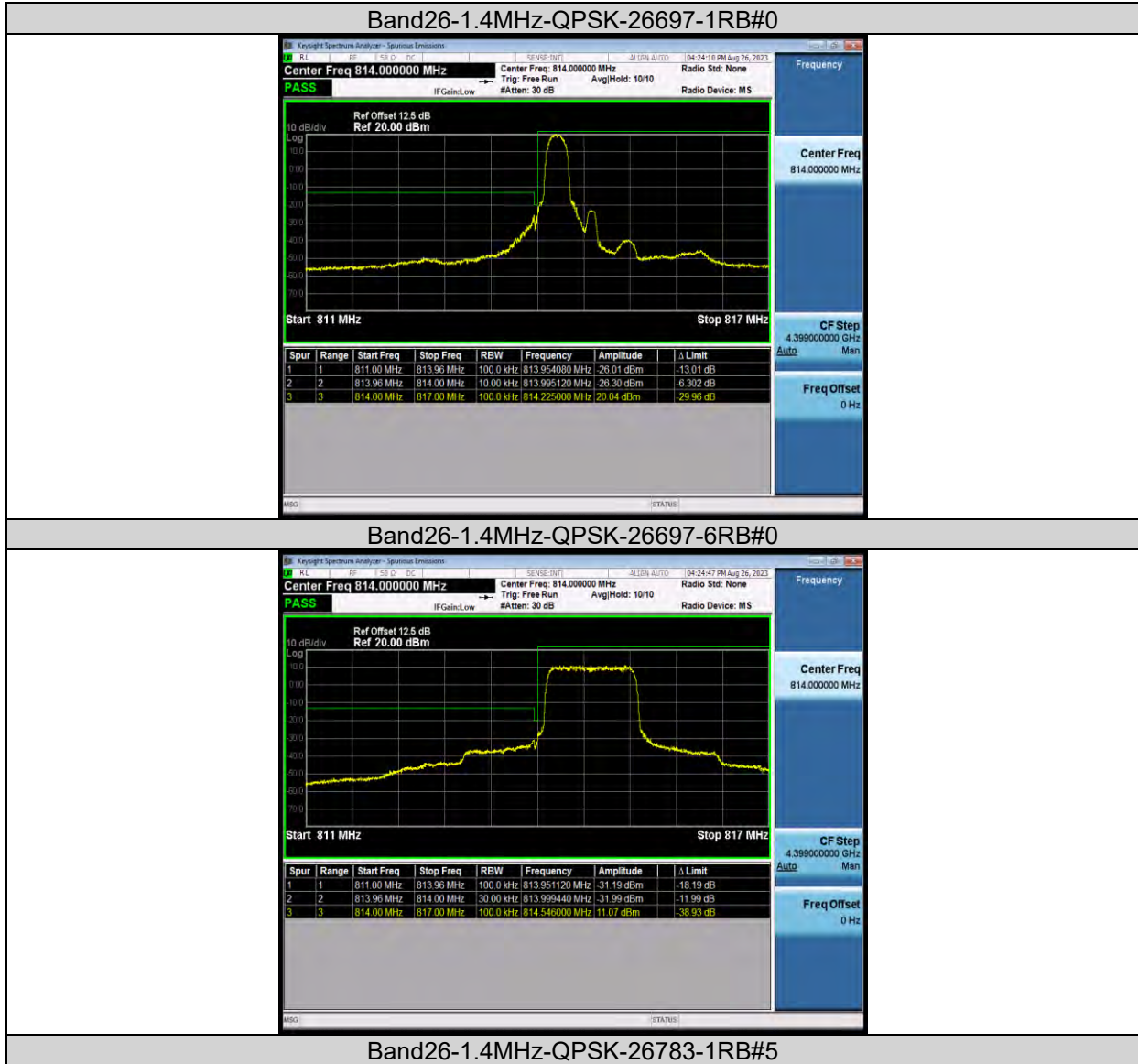
Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-----------------------------|---------|
| Band26 | 1.4MHz | QPSK | 26697 | 1RB#0 | -26.01,-26.30 | PASS |
| Band26 | 1.4MHz | QPSK | 26697 | 6RB#0 | -31.19,-31.99 | PASS |
| Band26 | 1.4MHz | QPSK | 26783 | 1RB#5 | -27.63,-28.37 | PASS |
| Band26 | 1.4MHz | QPSK | 26783 | 6RB#0 | -33.56,-32.58 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 1RB#0 | -26.73,-26.61 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 6RB#0 | -31.81,-32.97 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 1RB#5 | -29.09,-29.08 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 6RB#0 | -34.12,-32.97 | PASS |
| Band26 | 3MHz | QPSK | 26705 | 1RB#0 | -25.80,-21.07 | PASS |
| Band26 | 3MHz | QPSK | 26705 | 15RB#0 | -33.68,-32.14 | PASS |
| Band26 | 3MHz | QPSK | 26775 | 1RB#14 | -22.01,-24.14 | PASS |
| Band26 | 3MHz | QPSK | 26775 | 15RB#0 | -32.68,-33.10 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 1RB#0 | -24.94,-21.53 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 15RB#0 | -33.15,-32.80 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 1RB#14 | -22.09,-25.28 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 15RB#0 | -34.04,-35.02 | PASS |
| Band26 | 5MHz | QPSK | 26715 | 1RB#0 | -27.87,-21.82 | PASS |
| Band26 | 5MHz | QPSK | 26715 | 25RB#0 | -35.50,-35.01 | PASS |
| Band26 | 5MHz | QPSK | 26765 | 1RB#24 | -22.26,-29.85 | PASS |
| Band26 | 5MHz | QPSK | 26765 | 25RB#0 | -35.15,-35.99 | PASS |
| Band26 | 5MHz | 16QAM | 26715 | 1RB#0 | -28.10,-23.55 | PASS |
| Band26 | 5MHz | 16QAM | 26715 | 25RB#0 | -36.12,-35.77 | PASS |
| Band26 | 5MHz | 16QAM | 26765 | 1RB#24 | -23.81,-28.78 | PASS |
| Band26 | 5MHz | 16QAM | 26765 | 25RB#0 | -37.41,-37.02 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 1RB#0 | -34.23,-24.83,-56.31,-52.83 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 1RB#49 | -53.59,-58.01,-24.65,-33.69 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | -38.08,-34.27,-35.24,-38.29 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 1RB#0 | -34.23,-25.48,-57.13,-53.61 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 1RB#49 | -53.77,-58.37,-24.94,-34.62 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 27RB#0 | -36.94,-33.79,-40.36,-45.04 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 27RB#23 | -46.04,-41.53,-34.94,-37.19 | PASS |



Test Report No.: W7L-P23070009RF05

Test Graphs



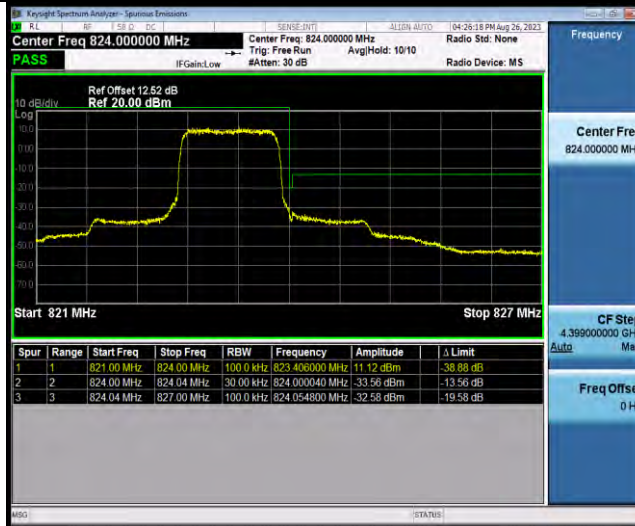


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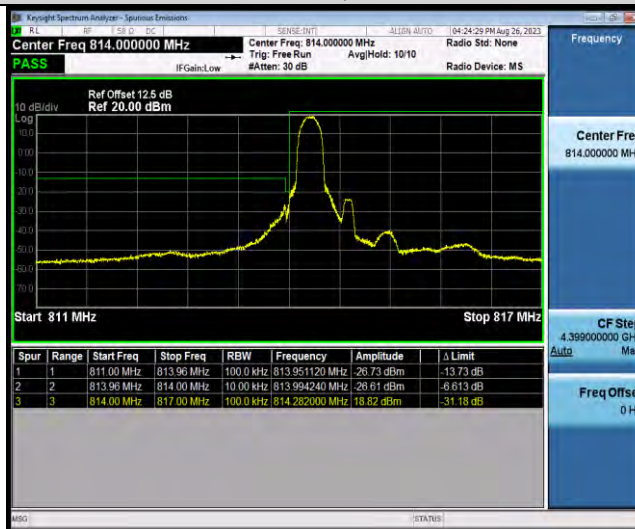
Test Report No.: W7L-P23070009RF05



Band26-1.4MHz-QPSK-26783-6RB#0



Band26-1.4MHz-16QAM-26697-1RB#0

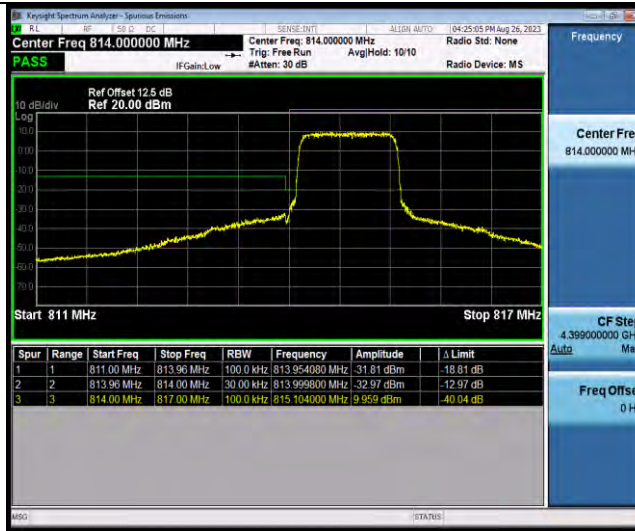


Band26-1.4MHz-16QAM-26697-6RB#0

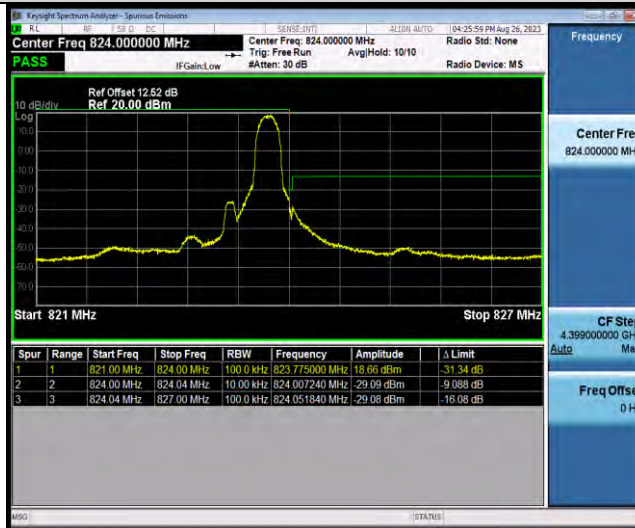


BUREAU VERITAS

Test Report No.: W7L-P23070009RF05



Band26-1.4MHz-16QAM-26783-1RB#5



Band26-1.4MHz-16QAM-26783-6RB#0

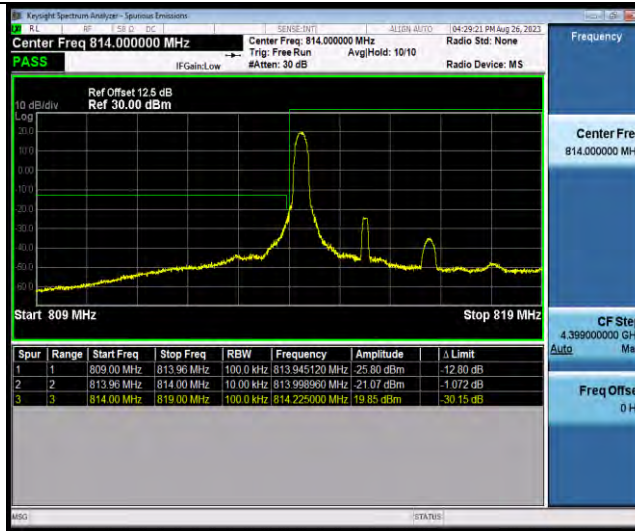


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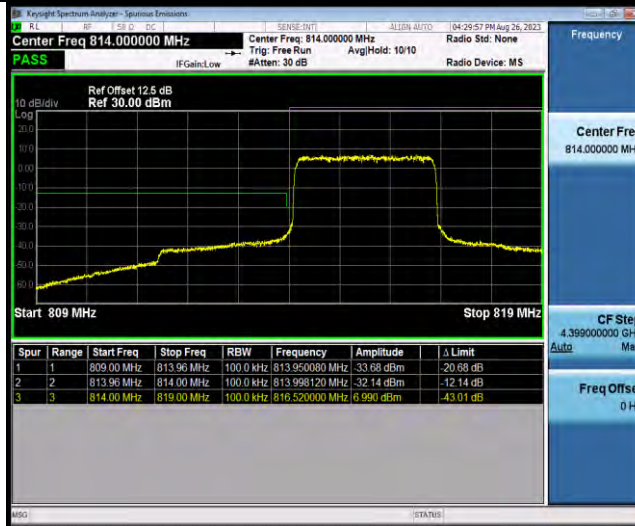


BUREAU VERITAS

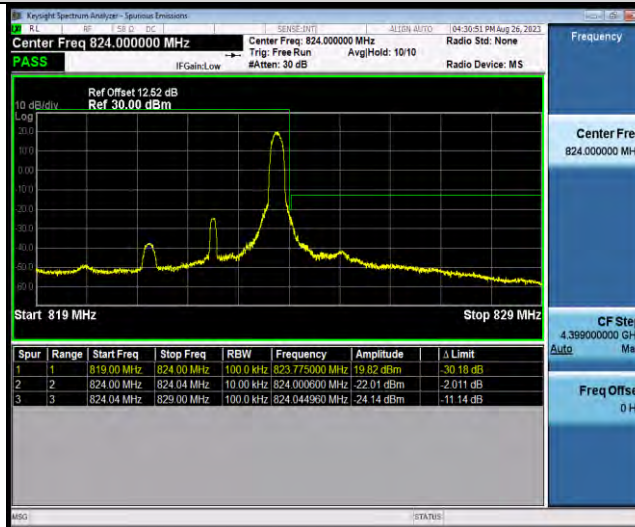
Test Report No.: W7L-P23070009RF05



Band26-3MHz-QPSK-26705-15RB#0



Band26-3MHz-QPSK-26775-1RB#14

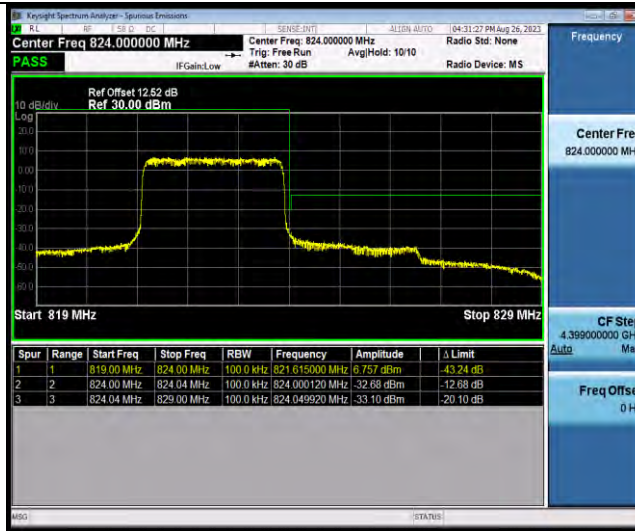


Band26-3MHz-QPSK-26775-15RB#0

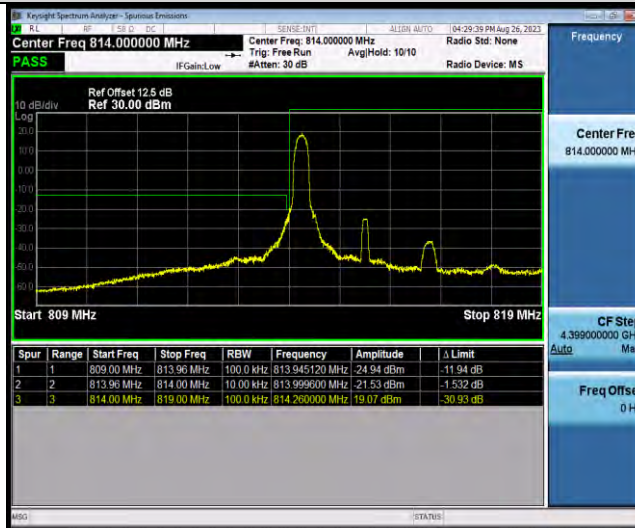


BUREAU VERITAS

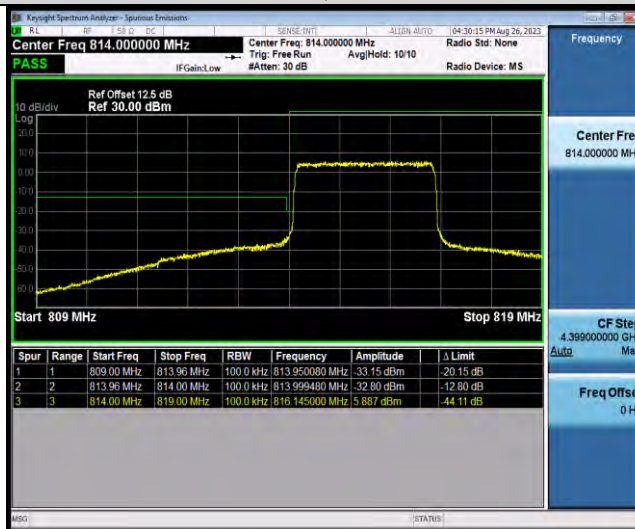
Test Report No.: W7L-P23070009RF05



Band26-3MHz-16QAM-26705-1RB#0



Band26-3MHz-16QAM-26705-15RB#0

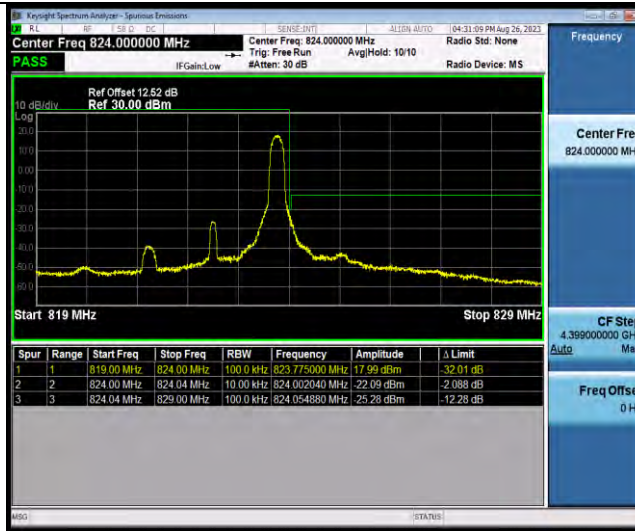


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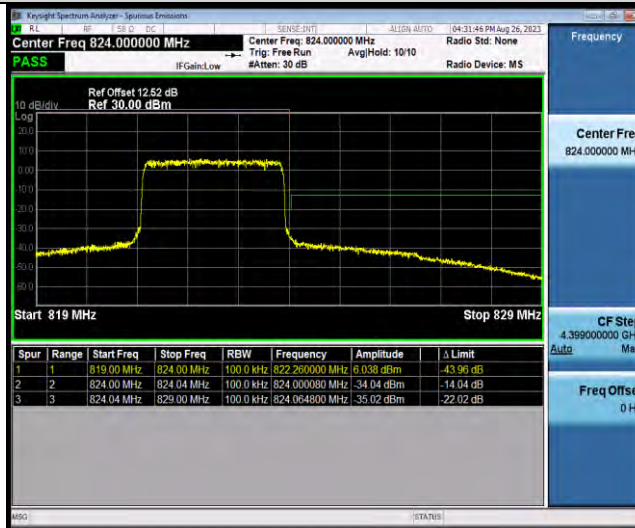


BUREAU VERITAS

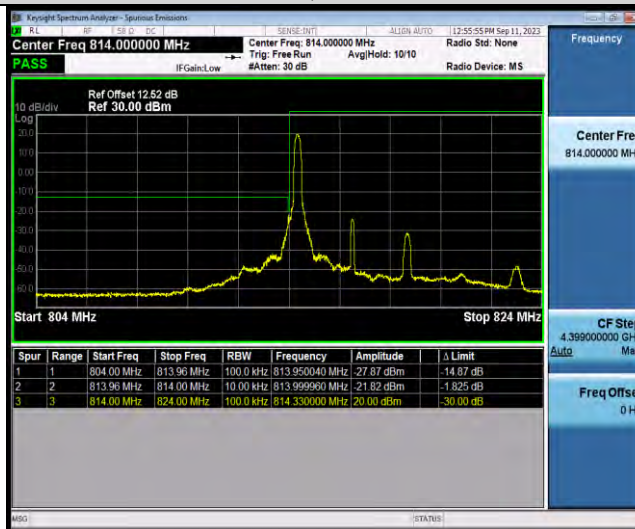
Test Report No.: W7L-P23070009RF05



Band26-3MHz-16QAM-26775-15RB#0



Band26-5MHz-QPSK-26715-1RB#0

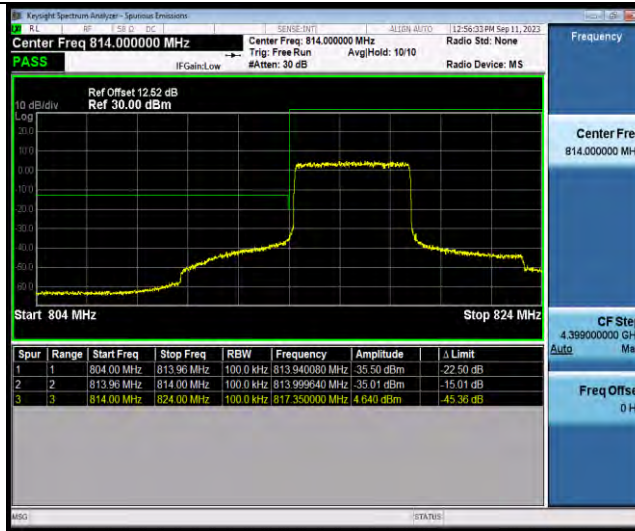


Band26-5MHz-QPSK-26715-25RB#0

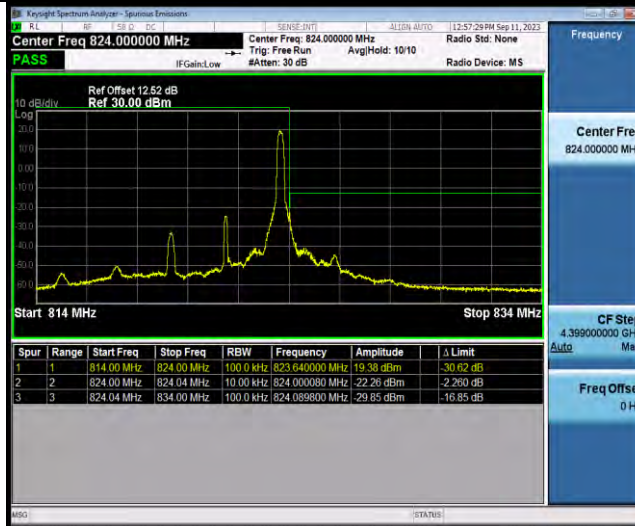


BUREAU VERITAS

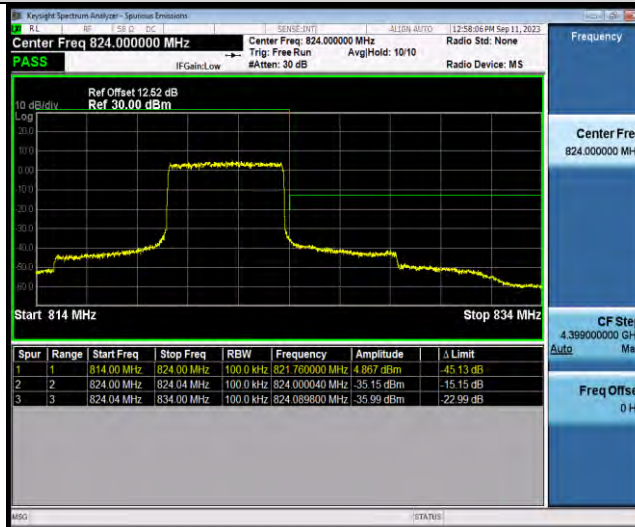
Test Report No.: W7L-P23070009RF05



Band26-5MHz-QPSK-26765-1RB#24



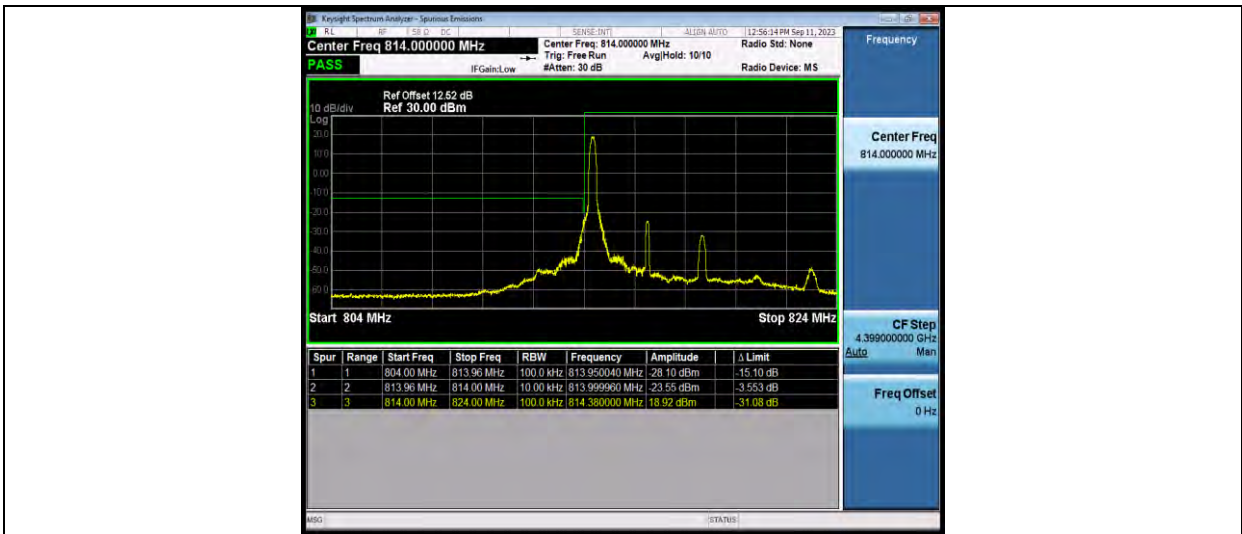
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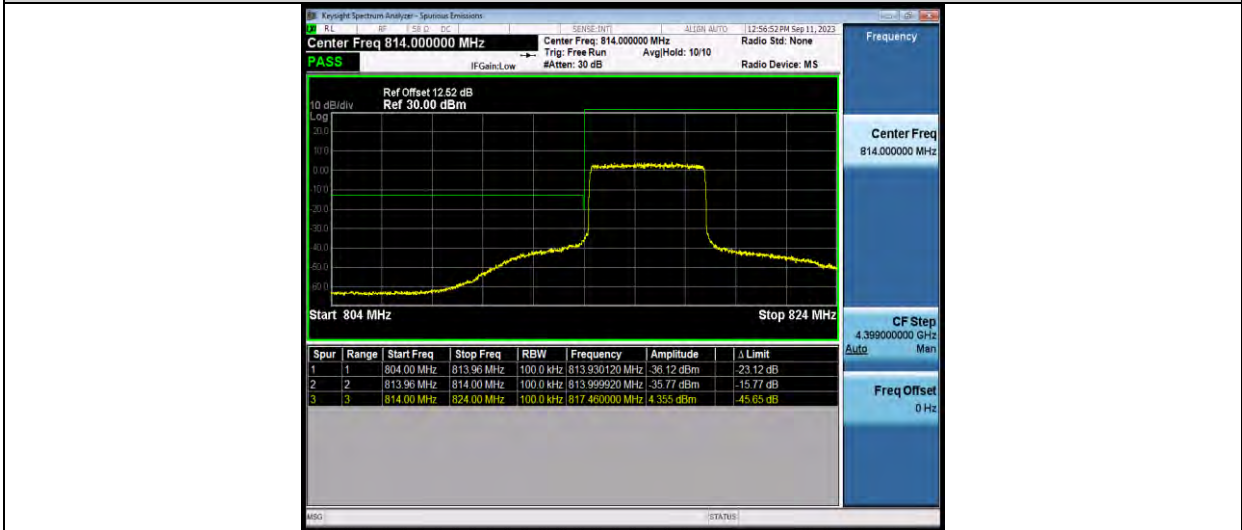
Band26-5MHz-16QAM-26715-1RB#0



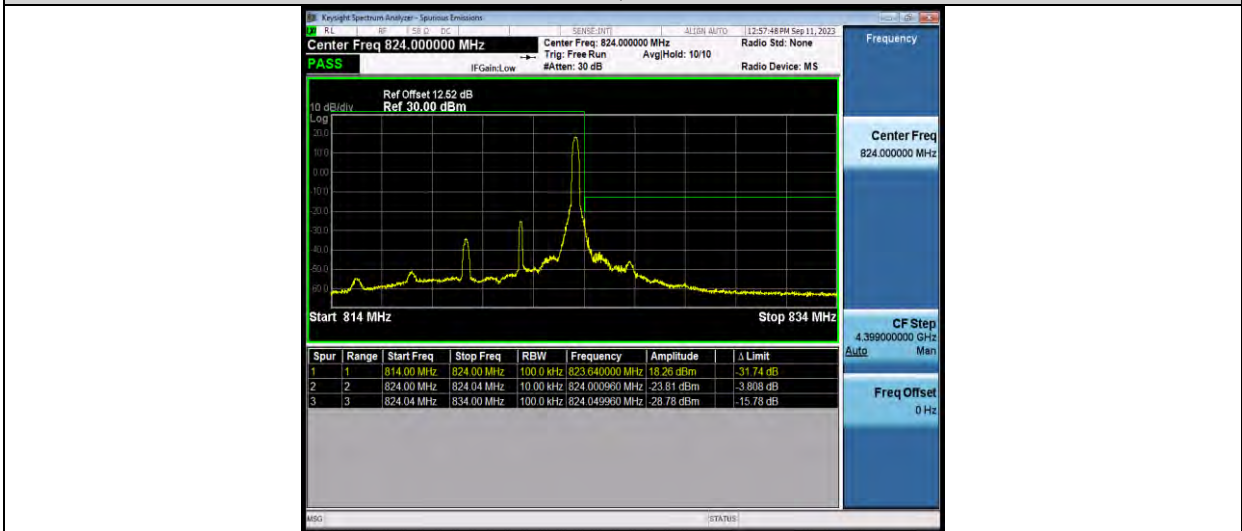
Test Report No.: W7L-P23070009RF05



Band26-5MHz-16QAM-26715-25RB#0



Band26-5MHz-16QAM-26765-1RB#24

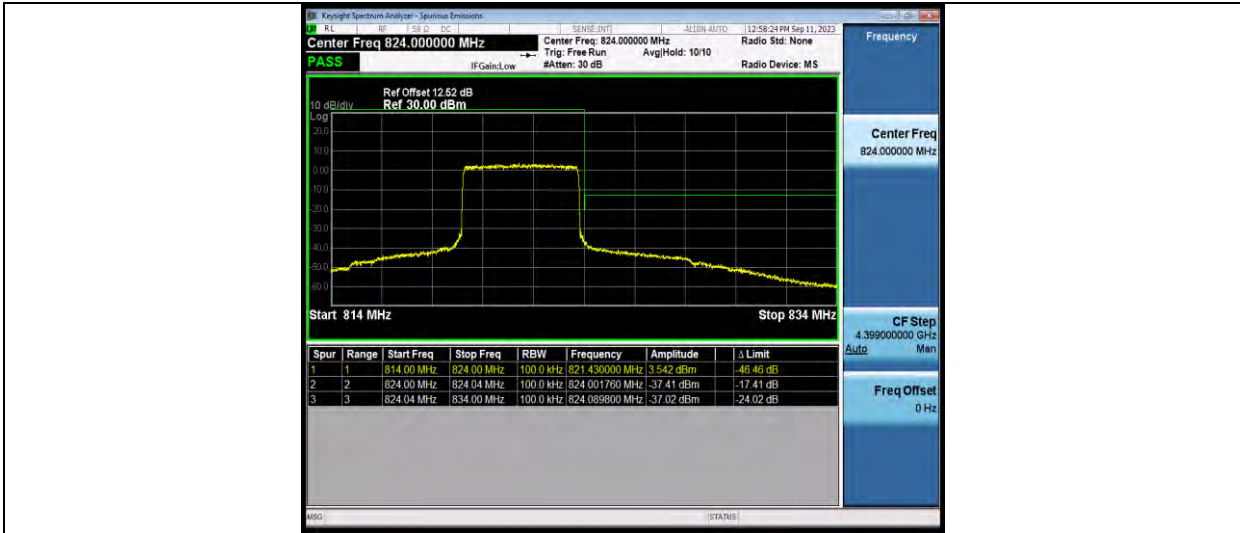


Band26-5MHz-16QAM-26765-25RB#0



BUREAU VERITAS

Test Report No.: W7L-P23070009RF05



Band26-10MHz-QPSK-26740-1RB#0



Band26-10MHz-QPSK-26740-1RB#49

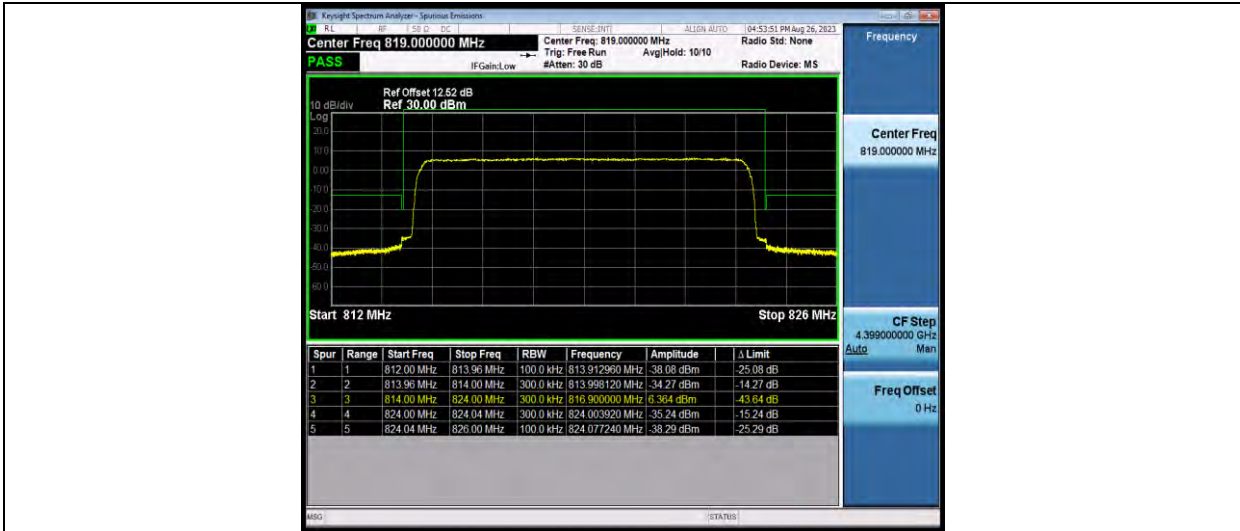


Band26-10MHz-QPSK-26740-50RB#0

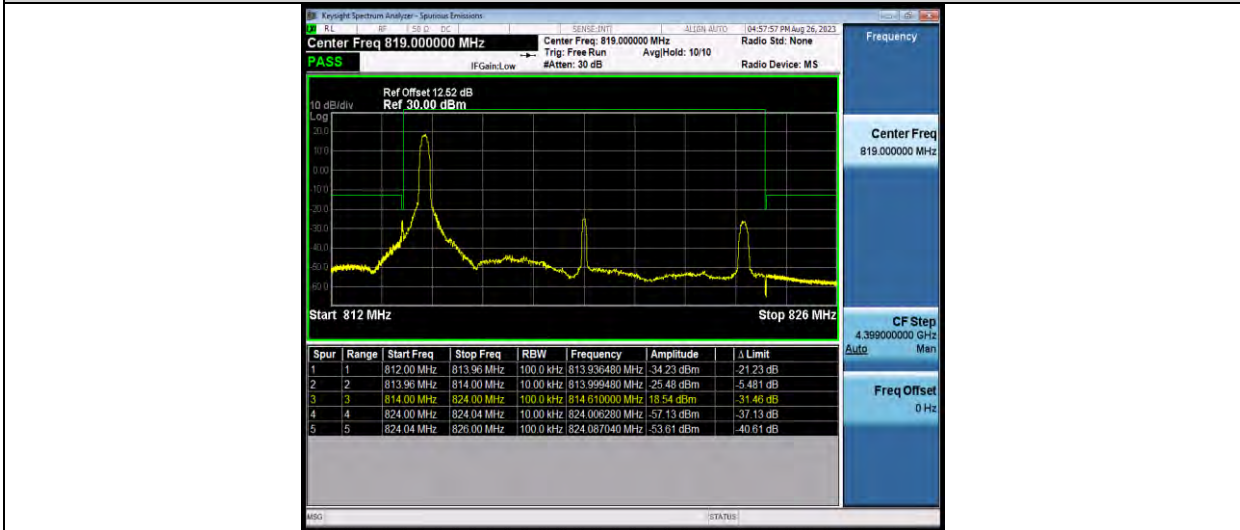


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Test Report No.: W7L-P23070009RF05



Band26-10MHz-16QAM-26740-1RB#0



Band26-10MHz-16QAM-26740-1RB#49

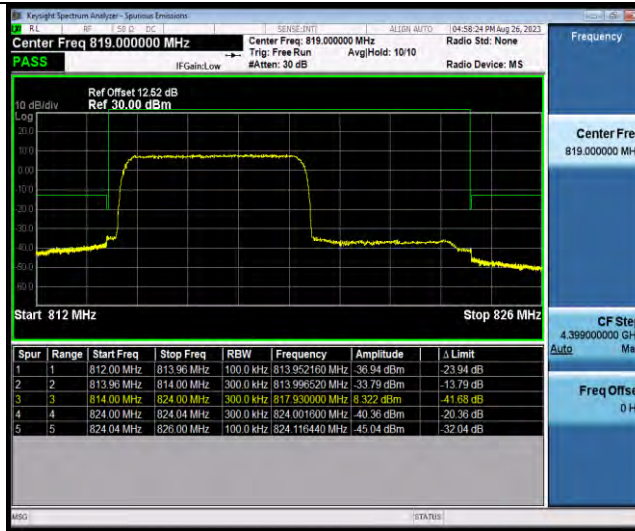


Band26-10MHz-16QAM-26740-27RB#0

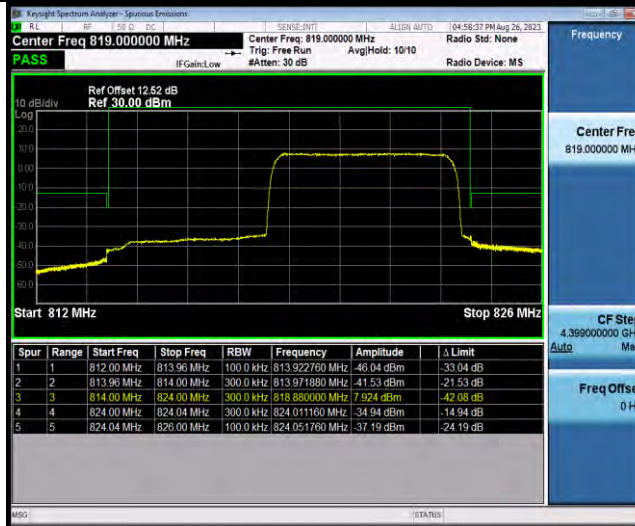


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VERITAS

Test Report No.: W7L-P23070009RF05



Band26-10MHz-16QAM-26740-27RB#23





Test Report No.: W7L-P23070009RF05

CONDUCTED SPURIOUS EMISSION

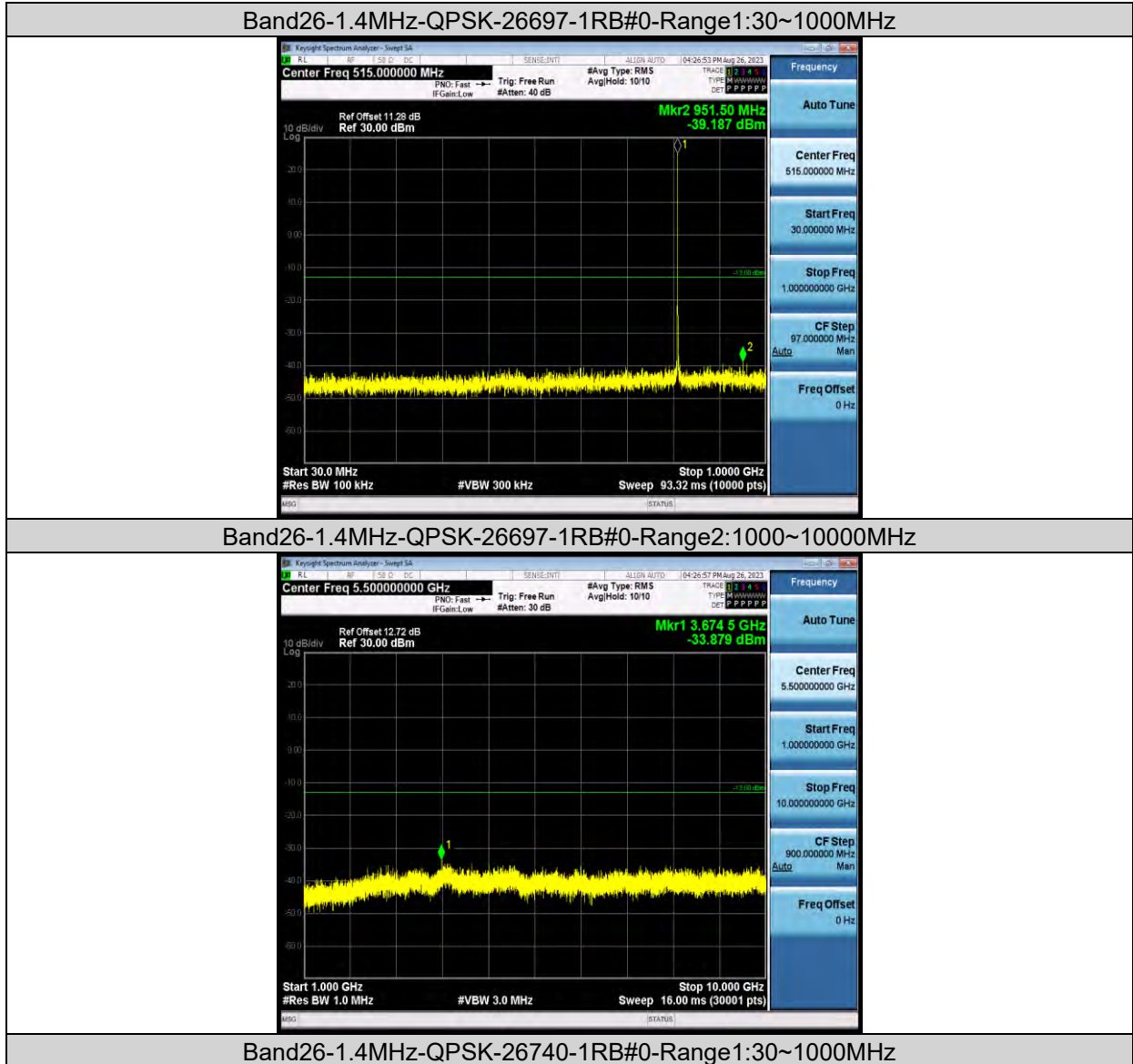
Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band26 | 1.4MHz | QPSK | 26697 | 1RB#0 | Range1:30~1000MHz | -39.19 | PASS |
| Band26 | 1.4MHz | QPSK | 26697 | 1RB#0 | Range2:1000~10000MHz | -33.88 | PASS |
| Band26 | 1.4MHz | QPSK | 26740 | 1RB#0 | Range1:30~1000MHz | -39.06 | PASS |
| Band26 | 1.4MHz | QPSK | 26740 | 1RB#0 | Range2:1000~10000MHz | -33.74 | PASS |
| Band26 | 1.4MHz | QPSK | 26783 | 1RB#0 | Range1:30~1000MHz | -39.94 | PASS |
| Band26 | 1.4MHz | QPSK | 26783 | 1RB#0 | Range2:1000~10000MHz | -33.25 | PASS |
| Band26 | 3MHz | QPSK | 26705 | 1RB#0 | Range1:30~1000MHz | -39.84 | PASS |
| Band26 | 3MHz | QPSK | 26705 | 1RB#0 | Range2:1000~10000MHz | -33.71 | PASS |
| Band26 | 3MHz | QPSK | 26740 | 1RB#0 | Range1:30~1000MHz | -39.92 | PASS |
| Band26 | 3MHz | QPSK | 26740 | 1RB#0 | Range2:1000~10000MHz | -34.33 | PASS |
| Band26 | 3MHz | QPSK | 26775 | 1RB#0 | Range1:30~1000MHz | -40.68 | PASS |
| Band26 | 3MHz | QPSK | 26775 | 1RB#0 | Range2:1000~10000MHz | -33.11 | PASS |
| Band26 | 5MHz | QPSK | 26715 | 1RB#0 | Range1:30~1000MHz | -40.19 | PASS |
| Band26 | 5MHz | QPSK | 26715 | 1RB#0 | Range2:1000~10000MHz | -33.8 | PASS |
| Band26 | 5MHz | QPSK | 26740 | 1RB#0 | Range1:30~1000MHz | -40.05 | PASS |
| Band26 | 5MHz | QPSK | 26740 | 1RB#0 | Range2:1000~10000MHz | -34.27 | PASS |
| Band26 | 5MHz | QPSK | 26765 | 1RB#0 | Range1:30~1000MHz | -39.61 | PASS |
| Band26 | 5MHz | QPSK | 26765 | 1RB#0 | Range2:1000~10000MHz | -34.39 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 1RB#0 | Range1:30~1000MHz | -40.01 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 1RB#0 | Range2:1000~10000MHz | -33.59 | PASS |



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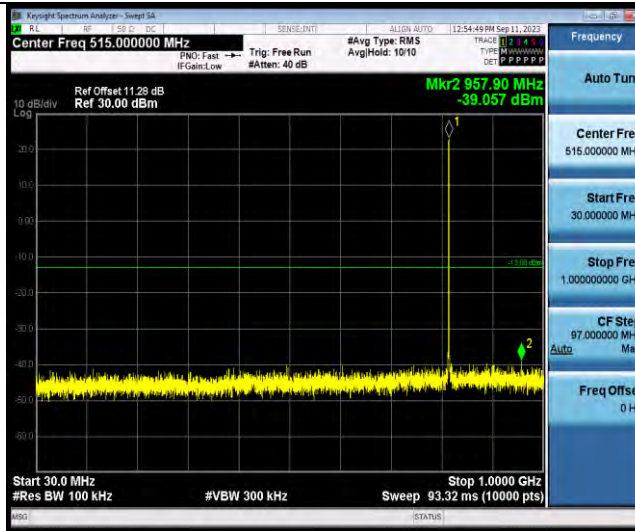
Test Graphs



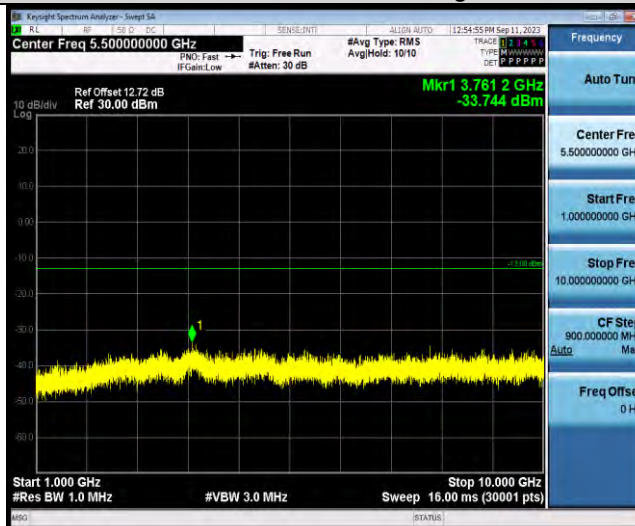


BUREAU VERITAS

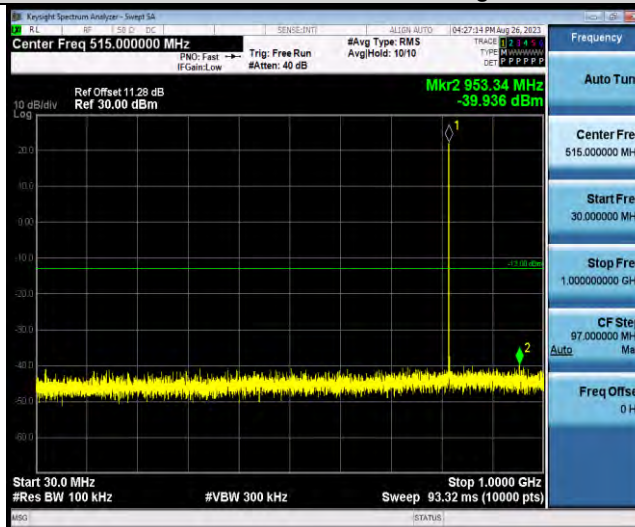
Test Report No.: W7L-P23070009RF05



Band26-1.4MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Band26-1.4MHz-QPSK-26783-1RB#0-Range1:30~1000MHz

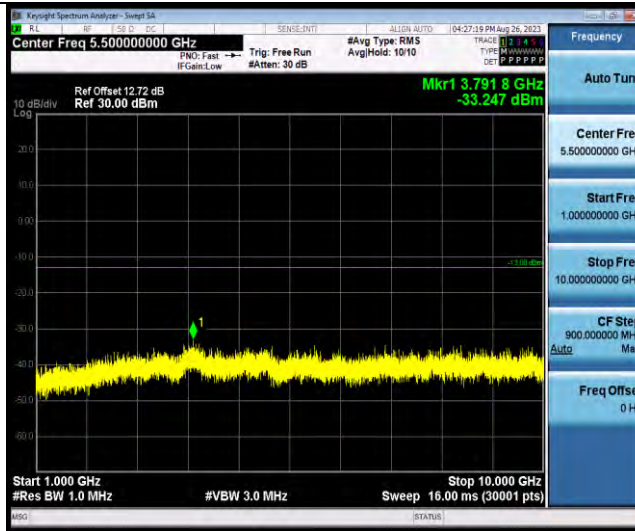


Band26-1.4MHz-QPSK-26783-1RB#0-Range2:1000~10000MHz

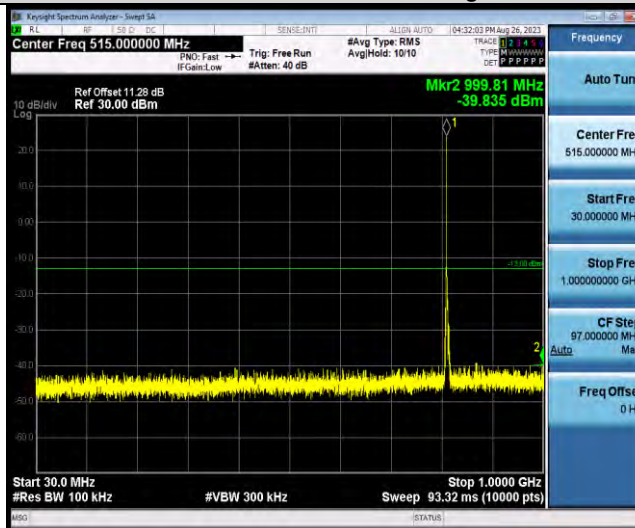


BUREAU VERITAS

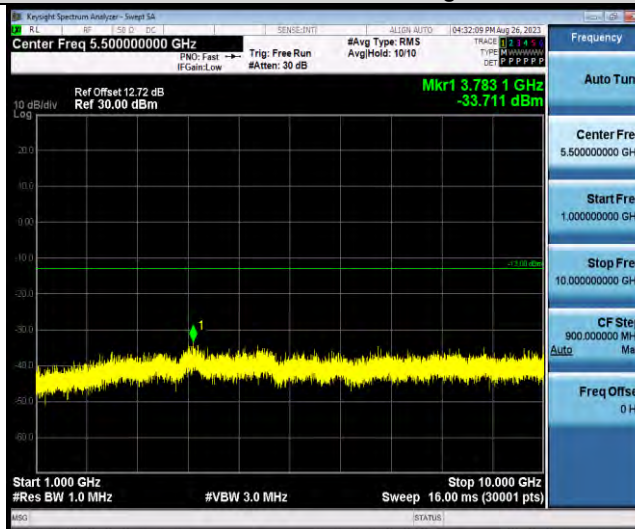
Test Report No.: W7L-P23070009RF05



Band26-3MHz-QPSK-26705-1RB#0-Range1:30~1000MHz



Band26-3MHz-QPSK-26705-1RB#0-Range2:1000~10000MHz

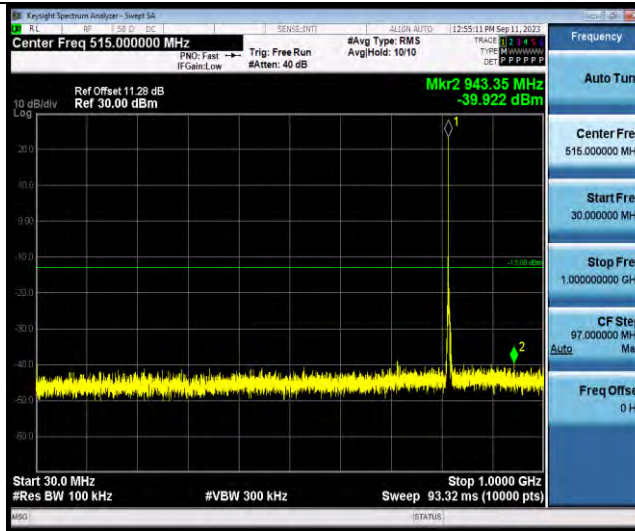


Band26-3MHz-QPSK-26740-1RB#0-Range1:30~1000MHz

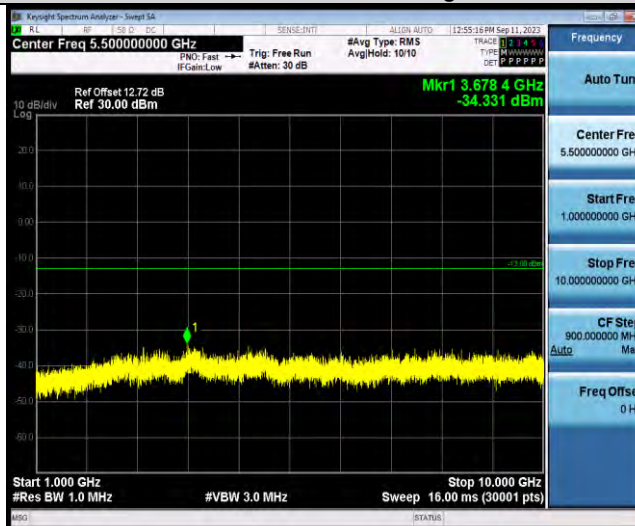


BUREAU VERITAS

Test Report No.: W7L-P23070009RF05



Band26-3MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Band26-3MHz-QPSK-26775-1RB#0-Range1:30~1000MHz

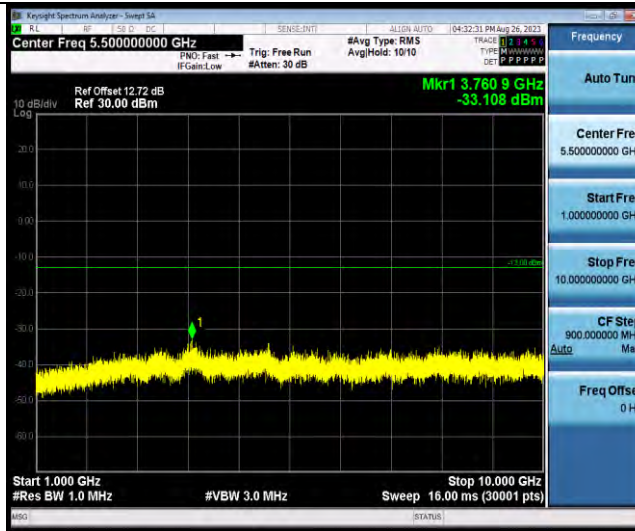


Band26-3MHz-QPSK-26775-1RB#0-Range2:1000~10000MHz

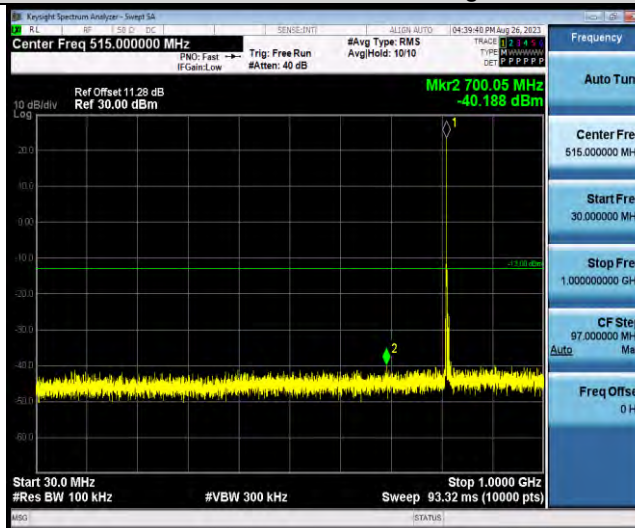


BUREAU VERITAS

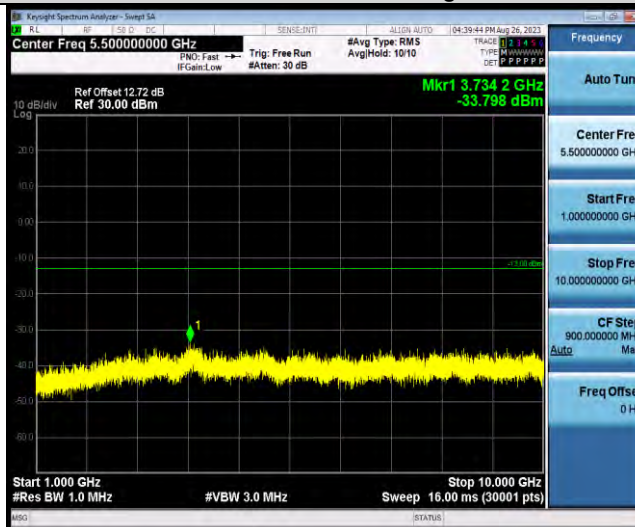
Test Report No.: W7L-P23070009RF05



Band26-5MHz-QPSK-26715-1RB#0-Range1:30~1000MHz



Band26-5MHz-QPSK-26715-1RB#0-Range2:1000~10000MHz

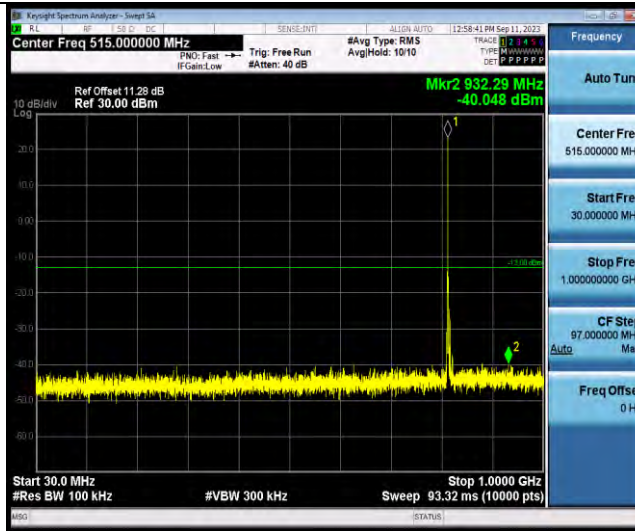


Band26-5MHz-QPSK-26740-1RB#0-Range1:30~1000MHz

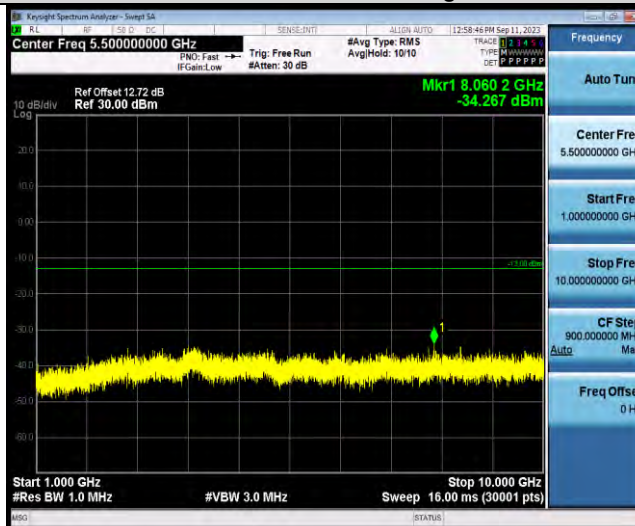


BUREAU VERITAS

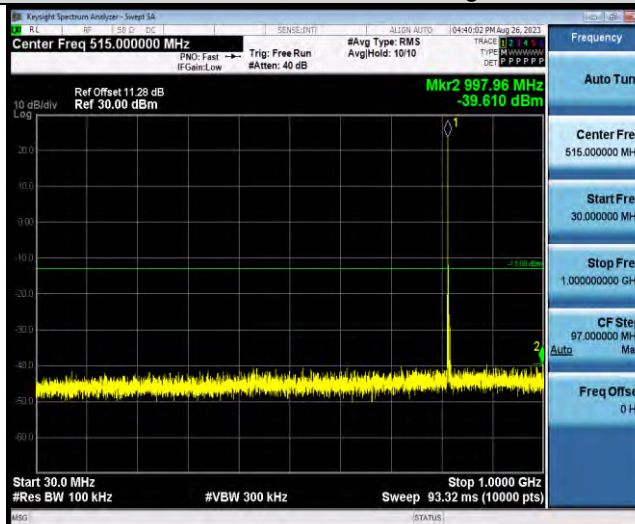
Test Report No.: W7L-P23070009RF05



Band26-5MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz



Band26-5MHz-QPSK-26765-1RB#0-Range1:30~1000MHz

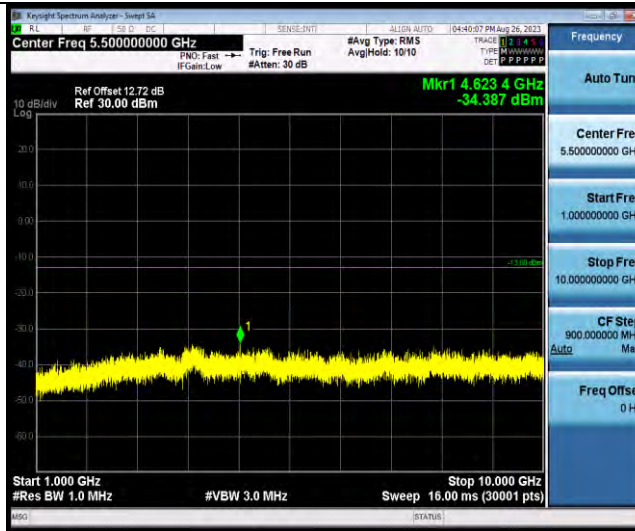


Band26-5MHz-QPSK-26765-1RB#0-Range2:1000~10000MHz



BUREAU VERITAS

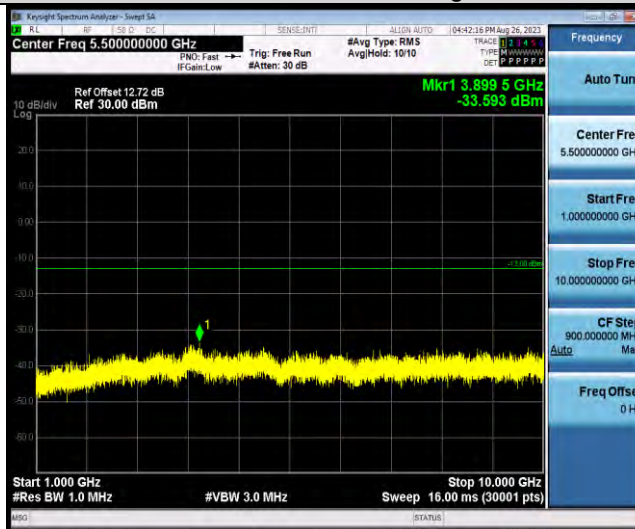
Test Report No.: W7L-P23070009RF05



Band26-10MHz-QPSK-26740-1RB#0-Range1:30~1000MHz



Band26-10MHz-QPSK-26740-1RB#0-Range2:1000~10000MHz





Test Report No.: W7L-P23070009RF05

FREQUENCY STABILITY

Test Result

| Voltage | | | | | | | | | | |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | LV | NT | -5.55 | -0.006777 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | NT | -4.81 | -0.005873 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | HV | NT | -5.94 | -0.007253 | ±2.5 | PASS |

| Temperature | | | | | | | | | | |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | -30 | -7.15 | -0.008730 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | -20 | -5.97 | -0.007289 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | -10 | -5.97 | -0.007289 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | 0 | -5.46 | -0.006667 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | 10 | -4.26 | -0.005201 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | 20 | -6.02 | -0.007350 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | 30 | -4.85 | -0.005922 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | 40 | 3.59 | 0.004383 | ±2.5 | PASS |
| Band26 | 10MHz | QPSK | 26740 | 50RB#0 | NV | 50 | -2.70 | -0.003297 | ±2.5 | PASS |



Test Report No.: W7L-P23070009RF05

MAX Deviation calculation

| Frequency Stability | Frequency (MHz) | Limit Line(MHz) | Result |
|--------------------------------|-----------------|-----------------|--------|
| $f_L - \text{MAX}(\Delta f) $ | 814.506107 | ≥ 814 | PASS |
| $f_H + \text{MAX}(\Delta f) $ | 823.493893 | ≤ 824 | |

- Note :
1. $|\text{MAX}(\Delta f)|$ = Max Deviation
 2. f_L = Occ low channel $f_L(-13\text{dBm/MHz})$
 3. f_H = Occ High channel $f_H(-13\text{dBm/MHz})$
 4. $|\text{MAX}(\Delta f)|$ = 7.15Hz.

--END--