# RF TEST REPORT

| | |
|---|---|
| **Applicant** | ZTE Corporation |
| **FCC ID** | SRQ-ZTEA2023G |
| **Product** | 5G NR Multi model smart phone |
| **Model** | ZTE A2023G |
| **Report No.** | R2204A0354-R10 |
| **Issue Date** | June 6, 2022 |

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2021)/ FCC CFR47 Part 27C (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

*Prepared by: Peng Tao*

*Approved by: Kai Xu*


**TA Technology (Shanghai) Co., Ltd.**

*No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China*

*TEL: +86-021-50791141/2/3*

*FAX: +86-021-50791141/2/3-8000*

# TABLE OF CONTENT




*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# Summary of Measurement Results

| Number | Test Case | Clause in FCC rules | Verdict |
|---|---|---|---|
| 1 | RF Power Output and Effective Isotropic Radiated Power | 2.1046 /27.50(h)(2) | PASS |
| 2 | Occupied Bandwidth | 2.1049 | PASS |
| 3 | Band Edge Compliance | 27.53(h) /27.53(m) | PASS |
| 4 | Peak-to-Average Power Ratio | 27.50(d)/KDB971168 D01(5.7) | PASS |
| 5 | Frequency Stability | 2.1055 / 27.54 | PASS |
| 6 | Spurious Emissions at Antenna Terminals | 2.1051 /27.53(m) | PASS |
| 7 | Radiates Spurious Emission | 2.1053 /27.53(m) | PASS |
| Date of Testing: April 29, 2022 ~ June 3, 2022 and June 5, 2022 ~ June 6, 2022<br>Date of Sample Received: April12, 2022 | | | |
| Note: PASS: The EUT complies with the essential requirements in the standard.<br>FAIL: The EUT does not comply with the essential requirements in the standard.<br>All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. | | | |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# 1 Test Laboratory

## 1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein .Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

## 1.2. Test facility

**FCC (Designation number: CN1179, Test Firm Registration Number: 446626)**

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

**A2LA (Certificate Number: 3857.01)**

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

## 1.3 Testing Location

| | |
|---|---|
| Company: | TA Technology (Shanghai) Co., Ltd. |
| Address: | No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China |
| City: | Shanghai |
| Post code: | 201201 |
| Country: | P. R. China |
| Contact: | Xu Kai |
| Telephone: | +86-021-50791141/2/3 |
| Fax: | +86-021-50791141/2/3-8000 |
| Website: | http://www.ta-shanghai.com |
| E-mail: | xukai@ta-shanghai.com |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# 2 General Description of Equipment under Test

## 2.1 Applicant and Manufacturer Information

| | |
|---|---|
| Applicant | ZTE Corporation |
| Applicant address | ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China |
| Manufacturer | ZTE Corporation |
| Manufacturer address | ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China |

## 2.2 General information

| EUT Description | | | |
|---|---|---|---|
| Model | ZTE A2023G | | |
| SN | 327324660005 | | |
| Hardware Version | ZTE A2023GHW1.0 | | |
| Software Version | MyOS12.0.2_A2023G_GLB | | |
| Power Supply | Battery / AC adapter | | |
| Antenna Type | Internal Antenna | | |
| Antenna Gain | Band | Main Antenna(dBi) | Second Antenna(dBi) |
| | LTE Band 38 | ANT 1:-0.6 | ANT 4:-2.0 |
| | LTE Band 40 | ANT 1:-1.2 | ANT 4:-1.9 |
| | LTE Band 41 | ANT 1:-0.6 | ANT 4:-2.0 |
| | LTE Band | LTE Band 38/40/41 | |
| | CA Band | CA_41C | |
| Test Modulation | (LTE) QPSK, 16QAM, 64QAM; | | |
| Maximum E.I.R.P./ E.R.P. | LTE Band 40 Subset 1: | 23.18dBm | |
| | | 78.415mW/MHz | |
| | | 128.588mW/5MHz | |
| | LTE Band 40 Subset 2: | 23.29dBm | |
| | | 121.311mW/MHz | |
| | | 216.172mW/5MHz | |
| | LTE Band 41 (LTE Band 38) | 24.21dBm | |
| | CA_41C | 24.12dBm | |
| Rated Power Supply Voltage | 3.89V | | |
| Operating Voltage | Minimum: 3.70V Maximum: 4.45V | | |
| Operating Temperature | Lowest: -10°C Highest: +40°C | | |
| Testing Temperature | Lowest:-30°C Highest: +50°C | | |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | |
|---|---|---|---|
| Operating Frequency Range(s) | Mode | Tx (MHz) | Rx (MHz) |
| | LTE Band 38 | 2570 ~ 2620 | 2570 ~ 2620 |
| | LTE Band 40 Subset 1 | 2305 ~ 2315 | 2305 ~ 2315 |
| | LTE Band 40 Subset 2 | 2350 ~ 2360 | 2350 ~ 2360 |
| | LTE Band 41 | 2496 ~ 2690 | 2496 ~ 2690 |
| **EUT Accessory** | | | |
| Adapter | Manufacturer: ShenZhen KunXing Technology Co., Ltd.<br>Model: STC-A59152050AC-Z | | |
| Battery | Manufacturer: Zhuhai CosMX Battery Co., Ltd<br>Model: LI3949T44P8h806459 | | |
| Earphone 1 | Manufacturer: JUWEI ELECTRONICS CO.,LTD<br>Model: JWEP1092-Z01 | | |
| Earphone 2 | Manufacturer: ShenZhen FDC Electronic Co.,Ltd<br>Model: DEM-9A | | |
| USB Cable 1 | Manufacturer: King Power Electronics Co., Ltd<br>Model: TC20-TC20-W-100-M-6A-HSF | | |
| USB Cable 1 | Manufacturer: Luxshare-ICT Co., Ltd<br>Model: TC20-TC20-W-100-M-6A-HSF | | |
| Type-C to 3.5 mm Headphone Jack | Manufacturer: JUWEI ELECTRONICS CO., LTD<br>Model: 080503000100 | | |

Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.
2. There is more than one USB cable/ Earphone, each one should be applied throughout the compliance test respectively, and however, only the worst case (USB cable 1) will be recorded in this report.
3. According to TCB workshop October, 2014 RF Exposure Procedures Update (Overlapping LTE Bands) for LTE Band 38 (Frequency range: 2570-2620 MHz) is covered by LTE Band 41 (Frequency range 2496-2690 MHz) due to similar frequency range, same maximum tune up limit and same channel bandwidth.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# 3 Applied Standards

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

**Test standards:**

**FCC CFR47 Part 27C (2021)**

**FCC CFR47 Part 2 (2021)**

**Reference standard:**

**ANSI C63.26-2015**

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


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# 4 Test Configuration

There is more than one SIM card slot, each one should be applied throughout the compliance test respectively, and however, only the worst case (SIM 1) will be recorded in this report

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position(Main Antenna: X axis, horizontal polarization for CA; Z axis, vertical polarization for LTE; Second Antenna: Z axis, vertical for CA; X axis, horizontal polarization for LTE) and the worst case was recorded.
Test modes are chosen to be reported as the worst case configuration below for LTE 40 Subset 1/ LTE 40 Subset 2/LTE 41:

| Test items | Modes | Bandwidth (MHz) | | | | | | Modulation | | RB | | | Test Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4 | 3 | 5 | 10 | 15 | 20 | QPSK | 16QAM/ 64QAM | 1 | 50% | 100% | L | M | H |
| RF Power Output and Effective Isotropic Radiated Power | LTE 40 Subset 1 | - | - | O | O | - | - | O | O | O | O | O | O | O | O |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | O | O | O | O | O | O | O |
| | LTE 41 | - | - | O | O | O | O | O | O | O | O | O | O | O | O |
| Occupied Bandwidth | LTE 40 Subset 1 | - | - | O | O | - | - | O | O | - | - | O | O | O | O |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | O | - | - | O | O | O | O |
| | LTE 41 | - | - | O | O | O | O | O | O | - | - | O | O | O | O |
| Band Edge Compliance | LTE 40 Subset 1 | - | - | O | O | - | - | O | O | O | - | O | O | - | O |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | O | O | - | O | O | - | O |
| | LTE 41 | - | - | O | O | O | O | O | O | O | - | O | O | - | O |
| Peak-to-Average Power Ratio | LTE 40 Subset 1 | - | - | O | O | - | - | O | O | - | - | O | O | O | O |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | O | - | - | O | O | O | O |
| | LTE 41 | - | - | O | O | O | O | O | O | - | - | O | O | O | O |
| Frequency Stability | LTE 40 Subset 1 | - | - | O | O | - | - | O | O | O | - | - | - | O | - |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | O | O | - | - | - | O | - |
| | LTE 41 | - | - | O | O | O | O | O | O | O | - | - | - | O | - |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Spurious Emissions at Antenna Terminals | LTE 40 Subset 1 | - | - | O | O | - | - | O | - | O | - | - | O | O | O |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | - | O | - | - | O | O | O |
| | LTE 41 | - | - | O | O | - | - | O | - | O | - | - | O | O | O |
| Radiates Spurious Emission | LTE 40 Subset 1 | - | - | O | O | - | - | O | - | O | - | - | - | O | - |
| | LTE 40 Subset 2 | - | - | O | O | - | - | O | - | O | - | - | - | O | - |
| | LTE 41 | - | - | O | - | - | O | O | - | O | - | - | - | O | - |
| Note | 1. The mark “O” means that this configuration is chosen for testing.<br>2. The mark “-” means that this configuration is not testing. | | | | | | | | | | | | | | |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# 5 Test Case

## 5.1 RF Power Output and Effective Isotropic Radiated Power

**Ambient condition**

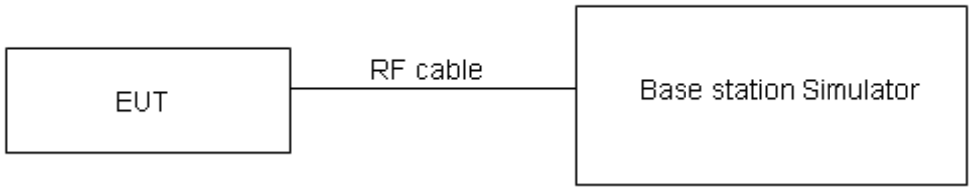
| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

**Methods of Measurement**

During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:
EIRP (dBm) = Output Power (dBm) - Losses (dB) + Antenna Gain (dBi)
where:dBd refers to gain relative to an ideal dipole.
EIRP (dBm ) = ERP (dBm) + 2.15 (dB.)

**Test Setup**




**Limits**

No specific RF power output requirements in part 2.1046.

Rule Part 27.50(a)(3) Mobile and portable stations. (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth,except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.
Rule Part 27.50(h) (2) specifies that “Mobile and other user stations. Mobile stations are limited to 2.0


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

watts EIRP. All user stations are limited to 2.0 watts transmitter output power."

| | |
|---|---|
| Part 27.50(h)(2) Limit | ≤ 2 W (33 dBm) |

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 meaahertz of authorized bandwidth butmay exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cyclemust not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k$ = 2, $U$=0.4 dB for RF power output, $k$ = 2, $U$= 1.19 dB for ERP/EIRP.

**Test Results**

Refer to the section 6.1 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 5.2 Occupied Bandwidth

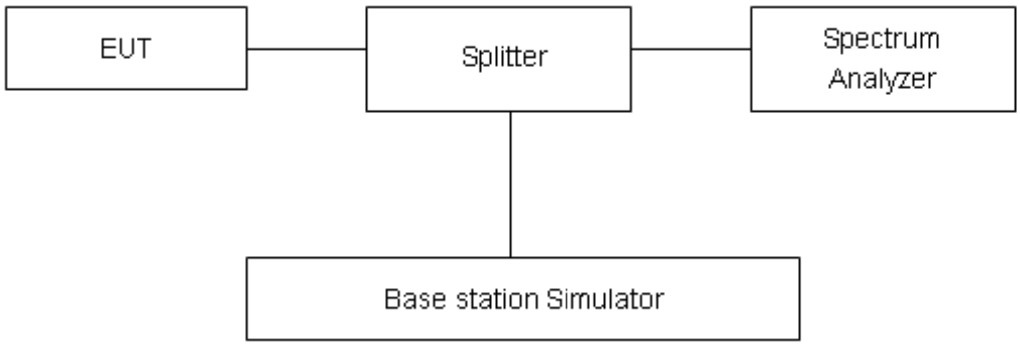
**Ambient condition**

| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

**Method of Measurement**

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.
RBW is set to ⩾1%EBW, VBW is set to 3x RBW.
99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

**Test Setup**




**Limits**

No specific occupied bandwidth requirements in part 2.1049.

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k$ = 2, $U$=624Hz.

**Test Results**

Refer to the section 6.2 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 5.3 Band Edge Compliance

**Ambient condition**

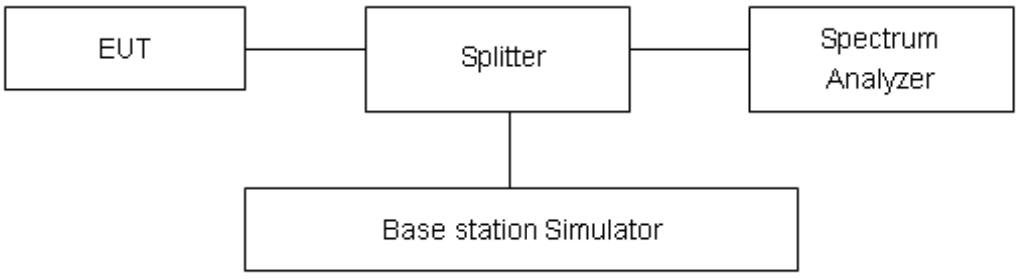
| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

**Method of Measurement**

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured.
The testing follows KDB 971168 D01 v03r01 Section 6.0
The EUT was connected to spectrum analyzer and system simulator via a power divider.
The band edges of low and high channels for the highest RF powers were measured.
For LTE Band 7/38 set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
For LTE Band 41 the middle channel, high channel set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used; Low channel set RBW >= 2% EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
RBW is set to ≥1%EBW, VBW is set to 3x RBW.

on spectrum analyzer.
Set spectrum analyzer with RMS detector.
The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Checked that all the results comply with the emission limit line.

**Test Setup**




**Limits**

Rule Part 27.53(i) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz.
Rule Part 27.53(m) (4) specifies that “for BRS and EBS stations. For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Example:
The limit line is derived from 43 + 10log (P) dB below the transmitter power P(Watts)
= P(W)- [43 + 10log(P)] (dB)
= [30 + 10log (P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k$ = 1.96, $U$=0.684dB.

**Test Results**

Refer to the section 6.3 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 5.4 Peak-to-Average Power Ratio (PAPR)

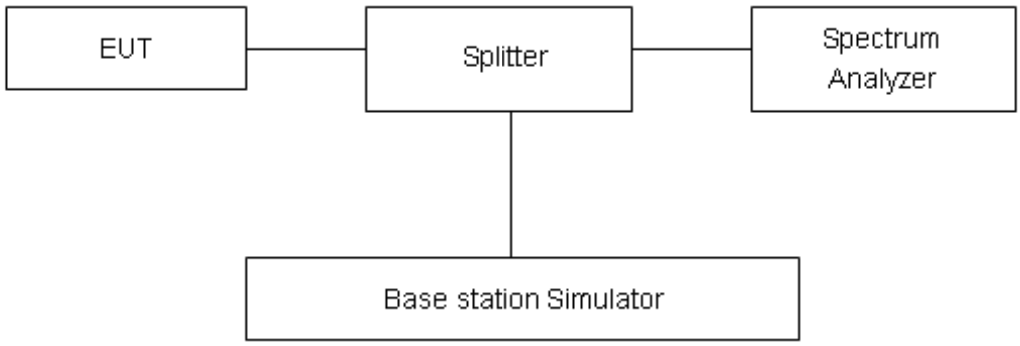
### Ambient condition

| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

### Methods of Measurement

Measure the total peak power and record as PPk. And measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (*e.g.*, dBm). Determine the PAPR from:
PAPR (dB) = PPk (dBm) - PAvg (dBm).

### Test Setup




### Limits

Rule Part 27.50(d)(5) Equipment employed must be authorized in accordance with the provisions of 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. 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.

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for thenormal distribution is with the coverage factor k = 2, U= 0.4 dB.

### Test Results

Refer to the section 6.4 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 5.5 Frequency Stability

**Ambient condition**

| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

**Method of Measurement**

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -10°C to +40°C in 10°C step size,

(1) With all power removed, the temperature was decreased to 0°C and permitted to stabilize for three hours.

(2) Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.

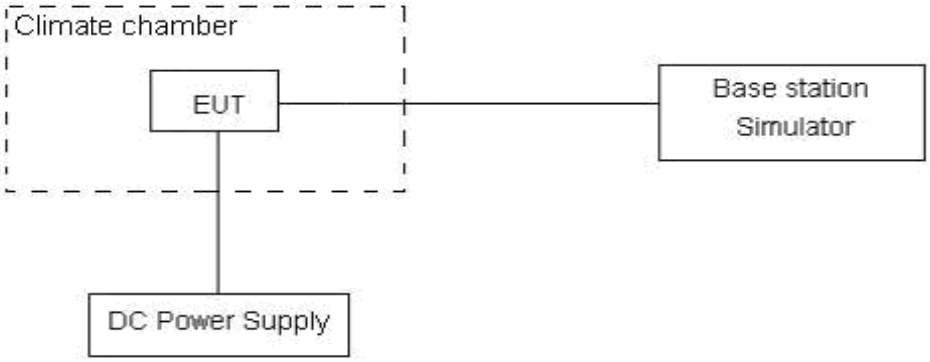
(3) Repeat the above measurements at 10°C increments from -10°C to +40°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements. Frequency Stability (Voltage Variation)

The frequency stability shall be measured with variation of primary supply voltage as follows:

**Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

This transceiver is specified to operate with an input voltage of between 3.70 V and 4.45 V, with a nominal voltage of 3.89V.

**Test setup**




**Limits**

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 99.75％ confidence level for the normal distribution is with the coverage factor $k$ = 3,$U$=0.01ppm.

**Test Results**

Refer to the section 6.5 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 5.6 Spurious Emissions at Antenna Terminals

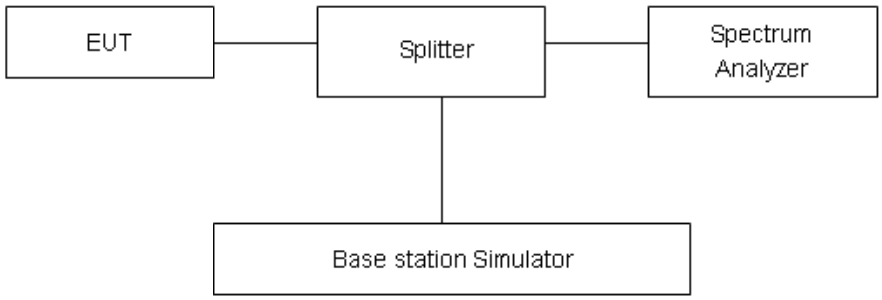
**Ambient condition**

| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

**Method of Measurement**

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The measurement is carried out using a spectrum analyzer. The spectrum analyzer scans from 9kHz to the 10th harmonic of the carrier. The peak detector is used.
RBW is set to 100kHz, VBW is set to 300kHz for 30MHz~1GHz
RBW is set to 1MHz, VBW is set to 3MHz for above 1GHz, Sweep is set to ATUO.
RBW is set to 1 kHz (0.009MHz~ 0.15 MHz),
RBW is set to 10 kHz (0.15 MHz~ 30 MHz)
RBW is set to 100 kHz (30MHz~1000 MHz)
RBW is set to 1000 kHz (above 1000MHz)
Of those disturbances below (limit – 20 dB), the mark is not required for the EUT.
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

**Test setup**




**Limits**

Rule Part 27.53(m) 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

| | |
|---|---|
| Part 27.53(m) Limit | -25 dBm |

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 99.75％ confidence level for the normal distribution is with the coverage factor *k* = 1.96.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| Frequency | Uncertainty |
|---|---|
| 9kHz-1GHz | 0.684 dB |
| 1GHz-30GHz | 1.407 dB |

**Test Results**

Refer to the section 6.6 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 5.7 Radiates Spurious Emission

**Ambient condition**

| Temperature | Relative humidity | Pressure |
|---|---|---|
| 23°C ~25°C | 45%~50% | 101.5kPa |

**Method of Measurement**

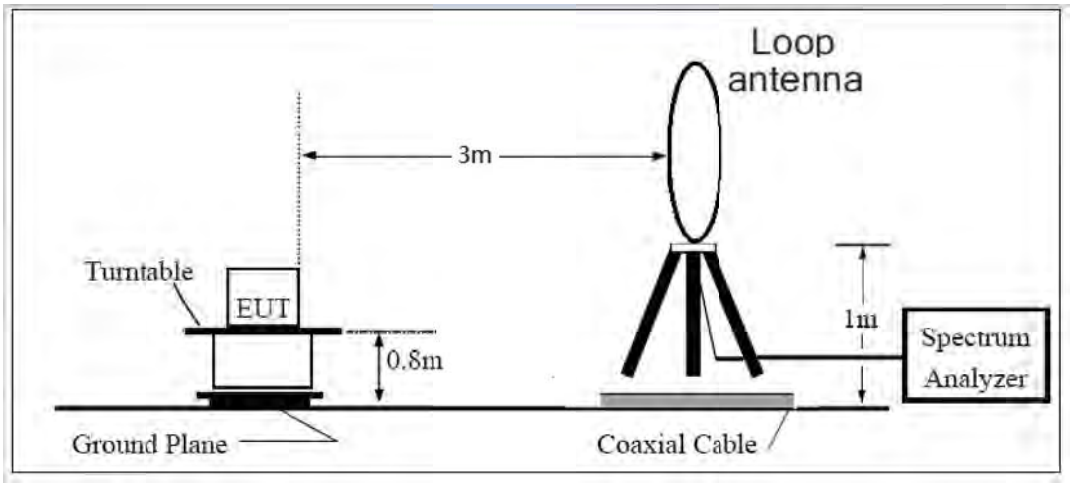
1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
7. The measurement results are obtained as described below:
Power(EIRP)=PMea- PAg - Pcl + Ga
The measurement results are amend as described below:
Power(EIRP)=PMea- Pcl + Ga
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dB.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

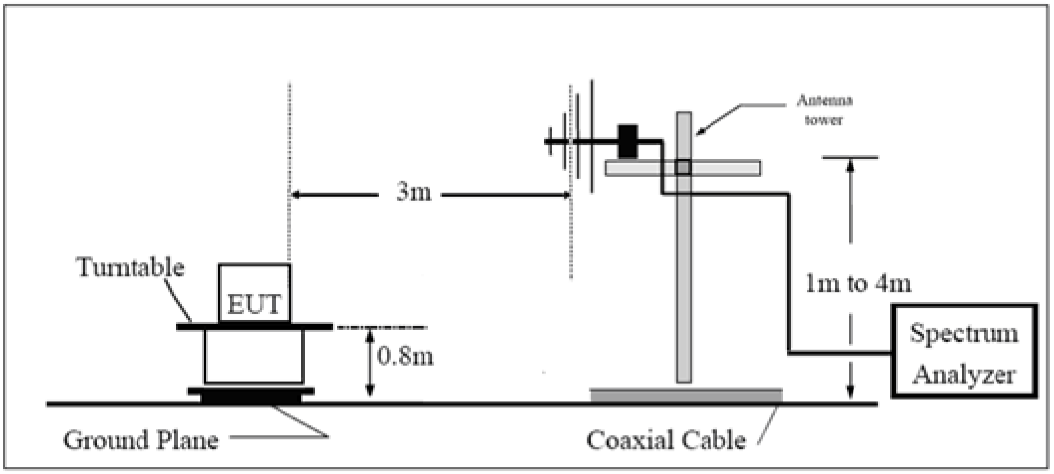
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

**Test setup**

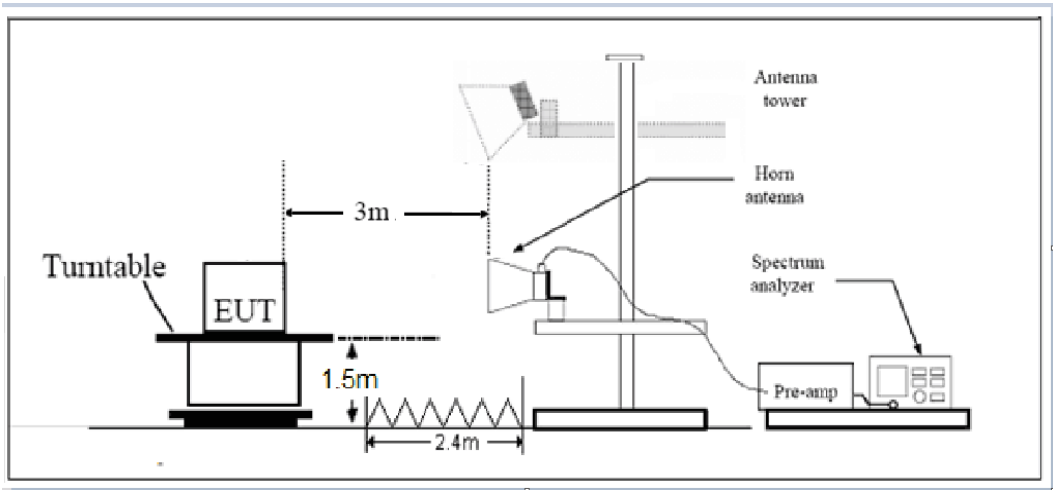
**9KHz ~ 30MHz**




**30MHz ~ 1GHz**




**Above 1GHz**




Note: Area side:2.4mX3.6m


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

**Limits**

Rule Part 27.53(m) 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section.

| | |
|---|---|
| Part 27.53(m) Limit | -25 dBm |

**Measurement Uncertainty**

The assessed measurement uncertainty to ensure 95％ confidence level for the normal distribution is with the coverage factor $k$ = ±1.96, $U$= ±3.55 dB.

**Test Results**

Refer to the section 6.7 of this report for test data.


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

# 6 Test Results

## 6.1 RF Power Output and Effective Isotropic Radiated Power

| LTE Band 40 Subset 1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Antenna 1 EIRP(dBm) | Antenna 4 EIRP(dBm) | Verdict |
| 5 | 38725 | 1 | #0 | QPSK | 24.22 | 23.02 | 22.32 | PASS |
| 5 | 38725 | 1 | #Mid | QPSK | 24.30 | 23.10 | 22.40 | PASS |
| 5 | 38725 | 1 | #Max | QPSK | 24.31 | 23.11 | 22.41 | PASS |
| 5 | 38725 | 12 | #0 | QPSK | 23.31 | 22.11 | 21.41 | PASS |
| 5 | 38725 | 12 | #Mid | QPSK | 23.31 | 22.11 | 21.41 | PASS |
| 5 | 38725 | 12 | #Max | QPSK | 23.33 | 22.13 | 21.43 | PASS |
| 5 | 38725 | 25 | #0 | QPSK | 23.33 | 22.13 | 21.43 | PASS |
| 5 | 38725 | 1 | #0 | QAM16 | 23.42 | 22.22 | 21.52 | PASS |
| 5 | 38725 | 1 | #Mid | QAM16 | 23.58 | 22.38 | 21.68 | PASS |
| 5 | 38725 | 1 | #Max | QAM16 | 23.51 | 22.31 | 21.61 | PASS |
| 5 | 38725 | 12 | #0 | QAM16 | 22.27 | 21.07 | 20.37 | PASS |
| 5 | 38725 | 12 | #Mid | QAM16 | 22.26 | 21.06 | 20.36 | PASS |
| 5 | 38725 | 12 | #Max | QAM16 | 22.35 | 21.15 | 20.45 | PASS |
| 5 | 38725 | 25 | #0 | QAM16 | 22.26 | 21.06 | 20.36 | PASS |
| 5 | 38750 | 1 | #0 | QPSK | 24.13 | 22.93 | 22.23 | PASS |
| 5 | 38750 | 1 | #Mid | QPSK | 24.23 | 23.03 | 22.33 | PASS |
| 5 | 38750 | 1 | #Max | QPSK | 24.24 | 23.04 | 22.34 | PASS |
| 5 | 38750 | 12 | #0 | QPSK | 23.29 | 22.09 | 21.39 | PASS |
| 5 | 38750 | 12 | #Mid | QPSK | 23.30 | 22.10 | 21.40 | PASS |
| 5 | 38750 | 12 | #Max | QPSK | 23.39 | 22.19 | 21.49 | PASS |
| 5 | 38750 | 25 | #0 | QPSK | 23.28 | 22.08 | 21.38 | PASS |
| 5 | 38750 | 1 | #0 | QAM16 | 23.56 | 22.36 | 21.66 | PASS |
| 5 | 38750 | 1 | #Mid | QAM16 | 23.68 | 22.48 | 21.78 | PASS |
| 5 | 38750 | 1 | #Max | QAM16 | 23.66 | 22.46 | 21.76 | PASS |
| 5 | 38750 | 12 | #0 | QAM16 | 22.35 | 21.15 | 20.45 | PASS |
| 5 | 38750 | 12 | #Mid | QAM16 | 22.31 | 21.11 | 20.41 | PASS |
| 5 | 38750 | 12 | #Max | QAM16 | 22.39 | 21.19 | 20.49 | PASS |
| 5 | 38750 | 25 | #0 | QAM16 | 22.30 | 21.10 | 20.40 | PASS |
| 5 | 38775 | 1 | #0 | QPSK | 24.23 | 23.03 | 22.33 | PASS |
| 5 | 38775 | 1 | #Mid | QPSK | 24.36 | 23.16 | 22.46 | PASS |
| 5 | 38775 | 1 | #Max | QPSK | 24.32 | 23.12 | 22.42 | PASS |
| 5 | 38775 | 12 | #0 | QPSK | 23.35 | 22.15 | 21.45 | PASS |
| 5 | 38775 | 12 | #Mid | QPSK | 23.30 | 22.10 | 21.40 | PASS |
| 5 | 38775 | 12 | #Max | QPSK | 23.38 | 22.18 | 21.48 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 38775 | 25 | #0 | QPSK | 23.31 | 22.11 | 21.41 | PASS |
| 5 | 38775 | 1 | #0 | QAM16 | 23.66 | 22.46 | 21.76 | PASS |
| 5 | 38775 | 1 | #Mid | QAM16 | 23.78 | 22.58 | 21.88 | PASS |
| 5 | 38775 | 1 | #Max | QAM16 | 23.72 | 22.52 | 21.82 | PASS |
| 5 | 38775 | 12 | #0 | QAM16 | 22.35 | 21.15 | 20.45 | PASS |
| 5 | 38775 | 12 | #Mid | QAM16 | 22.30 | 21.10 | 20.40 | PASS |
| 5 | 38775 | 12 | #Max | QAM16 | 22.40 | 21.20 | 20.50 | PASS |
| 5 | 38775 | 25 | #0 | QAM16 | 22.34 | 21.14 | 20.44 | PASS |
| 10 | 38750 | 1 | #0 | QPSK | 24.17 | 22.97 | 22.27 | PASS |
| 10 | 38750 | 1 | #Mid | QPSK | 24.33 | 23.13 | 22.43 | PASS |
| 10 | 38750 | 1 | #Max | QPSK | 24.38 | 23.18 | 22.48 | PASS |
| 10 | 38750 | 25 | #0 | QPSK | 23.23 | 22.03 | 21.33 | PASS |
| 10 | 38750 | 25 | #Mid | QPSK | 23.26 | 22.06 | 21.36 | PASS |
| 10 | 38750 | 25 | #Max | QPSK | 23.38 | 22.18 | 21.48 | PASS |
| 10 | 38750 | 50 | #0 | QPSK | 23.34 | 22.14 | 21.44 | PASS |
| 10 | 38750 | 1 | #0 | QAM16 | 23.70 | 22.50 | 21.80 | PASS |
| 10 | 38750 | 1 | #Mid | QAM16 | 23.83 | 22.63 | 21.93 | PASS |
| 10 | 38750 | 1 | #Max | QAM16 | 23.98 | 22.78 | 22.08 | PASS |
| 10 | 38750 | 25 | #0 | QAM16 | 22.32 | 21.12 | 20.42 | PASS |
| 10 | 38750 | 25 | #Mid | QAM16 | 22.28 | 21.08 | 20.38 | PASS |
| 10 | 38750 | 25 | #Max | QAM16 | 22.46 | 21.26 | 20.56 | PASS |
| 10 | 38750 | 50 | #0 | QAM16 | 22.32 | 21.12 | 20.42 | PASS |
| 5 | 38725 | 1 | #0 | QAM64 | 22.94 | 21.74 | 21.04 | PASS |
| 5 | 38725 | 1 | #Mid | QAM64 | 23.09 | 21.89 | 21.19 | PASS |
| 5 | 38725 | 1 | #Max | QAM64 | 23.05 | 21.85 | 21.15 | PASS |
| 5 | 38725 | 12 | #0 | QAM64 | 21.76 | 20.56 | 19.86 | PASS |
| 5 | 38725 | 12 | #Mid | QAM64 | 21.75 | 20.55 | 19.85 | PASS |
| 5 | 38725 | 12 | #Max | QAM64 | 21.86 | 20.66 | 19.96 | PASS |
| 5 | 38725 | 25 | #0 | QAM64 | 21.74 | 20.54 | 19.84 | PASS |
| 5 | 38750 | 1 | #0 | QAM64 | 23.10 | 21.90 | 21.20 | PASS |
| 5 | 38750 | 1 | #Mid | QAM64 | 23.23 | 22.03 | 21.33 | PASS |
| 5 | 38750 | 1 | #Max | QAM64 | 23.17 | 21.97 | 21.27 | PASS |
| 5 | 38750 | 12 | #0 | QAM64 | 21.74 | 20.54 | 19.84 | PASS |
| 5 | 38750 | 12 | #Mid | QAM64 | 21.74 | 20.54 | 19.84 | PASS |
| 5 | 38750 | 12 | #Max | QAM64 | 21.80 | 20.60 | 19.90 | PASS |
| 5 | 38750 | 25 | #0 | QAM64 | 21.83 | 20.63 | 19.93 | PASS |
| 5 | 38775 | 1 | #0 | QAM64 | 22.91 | 21.71 | 21.01 | PASS |
| 5 | 38775 | 1 | #Mid | QAM64 | 23.03 | 21.83 | 21.13 | PASS |
| 5 | 38775 | 1 | #Max | QAM64 | 23.02 | 21.82 | 21.12 | PASS |
| 5 | 38775 | 12 | #0 | QAM64 | 21.75 | 20.55 | 19.85 | PASS |
| 5 | 38775 | 12 | #Mid | QAM64 | 21.76 | 20.56 | 19.86 | PASS |
| 5 | 38775 | 12 | #Max | QAM64 | 21.84 | 20.64 | 19.94 | PASS |
| 5 | 38775 | 25 | #0 | QAM64 | 21.78 | 20.58 | 19.88 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 10 | 38750 | 1 | #0 | QAM64 | 23.16 | 21.96 | 21.26 | PASS |
| 10 | 38750 | 1 | #Mid | QAM64 | 23.27 | 22.07 | 21.37 | PASS |
| 10 | 38750 | 1 | #Max | QAM64 | 23.31 | 22.11 | 21.41 | PASS |
| 10 | 38750 | 25 | #0 | QAM64 | 21.76 | 20.56 | 19.86 | PASS |
| 10 | 38750 | 25 | #Mid | QAM64 | 21.79 | 20.59 | 19.89 | PASS |
| 10 | 38750 | 25 | #Max | QAM64 | 21.94 | 20.74 | 20.04 | PASS |
| 10 | 38750 | 50 | #0 | QAM64 | 21.81 | 20.61 | 19.91 | PASS |

| LTE Band 40 Subset 2 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Antenna 1 EIRP(dBm) | Antenna 4 EIRP(dBm) | Verdict |
| 5 | 39175 | 1 | #0 | QPSK | 24.31 | 23.11 | 22.41 | PASS |
| 5 | 39175 | 1 | #Mid | QPSK | 24.41 | 23.21 | 22.51 | PASS |
| 5 | 39175 | 1 | #Max | QPSK | 24.32 | 23.12 | 22.42 | PASS |
| 5 | 39175 | 12 | #0 | QPSK | 23.41 | 22.21 | 21.51 | PASS |
| 5 | 39175 | 12 | #Mid | QPSK | 23.42 | 22.22 | 21.52 | PASS |
| 5 | 39175 | 12 | #Max | QPSK | 23.48 | 22.28 | 21.58 | PASS |
| 5 | 39175 | 25 | #0 | QPSK | 23.44 | 22.24 | 21.54 | PASS |
| 5 | 39175 | 1 | #0 | QAM16 | 23.68 | 22.48 | 21.78 | PASS |
| 5 | 39175 | 1 | #Mid | QAM16 | 23.80 | 22.60 | 21.90 | PASS |
| 5 | 39175 | 1 | #Max | QAM16 | 23.75 | 22.55 | 21.85 | PASS |
| 5 | 39175 | 12 | #0 | QAM16 | 22.46 | 21.26 | 20.56 | PASS |
| 5 | 39175 | 12 | #Mid | QAM16 | 22.44 | 21.24 | 20.54 | PASS |
| 5 | 39175 | 12 | #Max | QAM16 | 22.52 | 21.32 | 20.62 | PASS |
| 5 | 39175 | 25 | #0 | QAM16 | 22.47 | 21.27 | 20.57 | PASS |
| 5 | 39200 | 1 | #0 | QPSK | 24.35 | 23.15 | 22.45 | PASS |
| 5 | 39200 | 1 | #Mid | QPSK | 24.49 | 23.29 | 22.59 | PASS |
| 5 | 39200 | 1 | #Max | QPSK | 24.46 | 23.26 | 22.56 | PASS |
| 5 | 39200 | 12 | #0 | QPSK | 23.39 | 22.19 | 21.49 | PASS |
| 5 | 39200 | 12 | #Mid | QPSK | 23.43 | 22.23 | 21.53 | PASS |
| 5 | 39200 | 12 | #Max | QPSK | 23.51 | 22.31 | 21.61 | PASS |
| 5 | 39200 | 25 | #0 | QPSK | 23.47 | 22.27 | 21.57 | PASS |
| 5 | 39200 | 1 | #0 | QAM16 | 23.76 | 22.56 | 21.86 | PASS |
| 5 | 39200 | 1 | #Mid | QAM16 | 23.91 | 22.71 | 22.01 | PASS |
| 5 | 39200 | 1 | #Max | QAM16 | 23.86 | 22.66 | 21.96 | PASS |
| 5 | 39200 | 12 | #0 | QAM16 | 22.39 | 21.19 | 20.49 | PASS |
| 5 | 39200 | 12 | #Mid | QAM16 | 22.40 | 21.20 | 20.50 | PASS |
| 5 | 39200 | 12 | #Max | QAM16 | 22.49 | 21.29 | 20.59 | PASS |
| 5 | 39200 | 25 | #0 | QAM16 | 22.51 | 21.31 | 20.61 | PASS |
| 5 | 39225 | 1 | #0 | QPSK | 24.42 | 23.22 | 22.52 | PASS |
| 5 | 39225 | 1 | #Mid | QPSK | 24.47 | 23.27 | 22.57 | PASS |
| 5 | 39225 | 1 | #Max | QPSK | 24.46 | 23.26 | 22.56 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 39225 | 12 | #0 | QPSK | 23.38 | 22.18 | 21.48 | PASS |
| 5 | 39225 | 12 | #Mid | QPSK | 23.38 | 22.18 | 21.48 | PASS |
| 5 | 39225 | 12 | #Max | QPSK | 23.50 | 22.30 | 21.60 | PASS |
| 5 | 39225 | 25 | #0 | QPSK | 23.44 | 22.24 | 21.54 | PASS |
| 5 | 39225 | 1 | #0 | QAM16 | 23.59 | 22.39 | 21.69 | PASS |
| 5 | 39225 | 1 | #Mid | QAM16 | 23.72 | 22.52 | 21.82 | PASS |
| 5 | 39225 | 1 | #Max | QAM16 | 23.72 | 22.52 | 21.82 | PASS |
| 5 | 39225 | 12 | #0 | QAM16 | 22.35 | 21.15 | 20.45 | PASS |
| 5 | 39225 | 12 | #Mid | QAM16 | 22.38 | 21.18 | 20.48 | PASS |
| 5 | 39225 | 12 | #Max | QAM16 | 22.50 | 21.30 | 20.60 | PASS |
| 5 | 39225 | 25 | #0 | QAM16 | 22.41 | 21.21 | 20.51 | PASS |
| 10 | 39200 | 1 | #0 | QPSK | 24.31 | 23.11 | 22.41 | PASS |
| 10 | 39200 | 1 | #Mid | QPSK | 24.36 | 23.16 | 22.46 | PASS |
| 10 | 39200 | 1 | #Max | QPSK | 24.44 | 23.24 | 22.54 | PASS |
| 10 | 39200 | 25 | #0 | QPSK | 23.38 | 22.18 | 21.48 | PASS |
| 10 | 39200 | 25 | #Mid | QPSK | 23.42 | 22.22 | 21.52 | PASS |
| 10 | 39200 | 25 | #Max | QPSK | 23.50 | 22.30 | 21.60 | PASS |
| 10 | 39200 | 50 | #0 | QPSK | 23.45 | 22.25 | 21.55 | PASS |
| 10 | 39200 | 1 | #0 | QAM16 | 23.87 | 22.67 | 21.97 | PASS |
| 10 | 39200 | 1 | #Mid | QAM16 | 23.94 | 22.74 | 22.04 | PASS |
| 10 | 39200 | 1 | #Max | QAM16 | 23.93 | 22.73 | 22.03 | PASS |
| 10 | 39200 | 25 | #0 | QAM16 | 22.44 | 21.24 | 20.54 | PASS |
| 10 | 39200 | 25 | #Mid | QAM16 | 22.45 | 21.25 | 20.55 | PASS |
| 10 | 39200 | 25 | #Max | QAM16 | 22.56 | 21.36 | 20.66 | PASS |
| 10 | 39200 | 50 | #0 | QAM16 | 22.48 | 21.28 | 20.58 | PASS |
| 5 | 39175 | 1 | #0 | QAM64 | 23.12 | 21.92 | 21.22 | PASS |
| 5 | 39175 | 1 | #Mid | QAM64 | 23.27 | 22.07 | 21.37 | PASS |
| 5 | 39175 | 1 | #Max | QAM64 | 23.21 | 22.01 | 21.31 | PASS |
| 5 | 39175 | 12 | #0 | QAM64 | 21.94 | 20.74 | 20.04 | PASS |
| 5 | 39175 | 12 | #Mid | QAM64 | 21.95 | 20.75 | 20.05 | PASS |
| 5 | 39175 | 12 | #Max | QAM64 | 22.03 | 20.83 | 20.13 | PASS |
| 5 | 39175 | 25 | #0 | QAM64 | 21.97 | 20.77 | 20.07 | PASS |
| 5 | 39200 | 1 | #0 | QAM64 | 23.27 | 22.07 | 21.37 | PASS |
| 5 | 39200 | 1 | #Mid | QAM64 | 23.38 | 22.18 | 21.48 | PASS |
| 5 | 39200 | 1 | #Max | QAM64 | 23.33 | 22.13 | 21.43 | PASS |
| 5 | 39200 | 12 | #0 | QAM64 | 21.87 | 20.67 | 19.97 | PASS |
| 5 | 39200 | 12 | #Mid | QAM64 | 21.83 | 20.63 | 19.93 | PASS |
| 5 | 39200 | 12 | #Max | QAM64 | 21.95 | 20.75 | 20.05 | PASS |
| 5 | 39200 | 25 | #0 | QAM64 | 21.98 | 20.78 | 20.08 | PASS |
| 5 | 39225 | 1 | #0 | QAM64 | 23.10 | 21.90 | 21.20 | PASS |
| 5 | 39225 | 1 | #Mid | QAM64 | 23.19 | 21.99 | 21.29 | PASS |
| 5 | 39225 | 1 | #Max | QAM64 | 23.18 | 21.98 | 21.28 | PASS |
| 5 | 39225 | 12 | #0 | QAM64 | 21.84 | 20.64 | 19.94 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 39225 | 12 | #Mid | QAM64 | 21.84 | 20.64 | 19.94 | PASS |
| 5 | 39225 | 12 | #Max | QAM64 | 21.95 | 20.75 | 20.05 | PASS |
| 5 | 39225 | 25 | #0 | QAM64 | 21.89 | 20.69 | 19.99 | PASS |
| 10 | 39200 | 1 | #0 | QAM64 | 23.29 | 22.09 | 21.39 | PASS |
| 10 | 39200 | 1 | #Mid | QAM64 | 23.33 | 22.13 | 21.43 | PASS |
| 10 | 39200 | 1 | #Max | QAM64 | 23.34 | 22.14 | 21.44 | PASS |
| 10 | 39200 | 25 | #0 | QAM64 | 21.91 | 20.71 | 20.01 | PASS |
| 10 | 39200 | 25 | #Mid | QAM64 | 21.91 | 20.71 | 20.01 | PASS |
| 10 | 39200 | 25 | #Max | QAM64 | 22.04 | 20.84 | 20.14 | PASS |
| 10 | 39200 | 50 | #0 | QAM64 | 21.92 | 20.72 | 20.02 | PASS |

| LTE Band 41 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Antenna 1 EIRP(dBm) | Antenna 4 EIRP(dBm) | Verdict |
| 5 | 39675 | 1 | #0 | QPSK | 24.24 | 23.64 | 22.24 | PASS |
| 5 | 39675 | 1 | #Mid | QPSK | 24.30 | 23.70 | 22.30 | PASS |
| 5 | 39675 | 1 | #Max | QPSK | 24.23 | 23.63 | 22.23 | PASS |
| 5 | 39675 | 12 | #0 | QPSK | 24.36 | 23.76 | 22.36 | PASS |
| 5 | 39675 | 12 | #Mid | QPSK | 24.36 | 23.76 | 22.36 | PASS |
| 5 | 39675 | 12 | #Max | QPSK | 24.37 | 23.77 | 22.37 | PASS |
| 5 | 39675 | 25 | #0 | QPSK | 24.35 | 23.75 | 22.35 | PASS |
| 5 | 39675 | 1 | #0 | QAM16 | 24.75 | 24.15 | 22.75 | PASS |
| 5 | 39675 | 1 | #Mid | QAM16 | 24.76 | 24.16 | 22.76 | PASS |
| 5 | 39675 | 1 | #Max | QAM16 | 24.67 | 24.07 | 22.67 | PASS |
| 5 | 39675 | 12 | #0 | QAM16 | 24.42 | 23.82 | 22.42 | PASS |
| 5 | 39675 | 12 | #Mid | QAM16 | 24.43 | 23.83 | 22.43 | PASS |
| 5 | 39675 | 12 | #Max | QAM16 | 24.39 | 23.79 | 22.39 | PASS |
| 5 | 39675 | 25 | #0 | QAM16 | 24.36 | 23.76 | 22.36 | PASS |
| 5 | 40620 | 1 | #0 | QPSK | 24.24 | 23.64 | 22.24 | PASS |
| 5 | 40620 | 1 | #Mid | QPSK | 24.40 | 23.80 | 22.40 | PASS |
| 5 | 40620 | 1 | #Max | QPSK | 24.38 | 23.78 | 22.38 | PASS |
| 5 | 40620 | 12 | #0 | QPSK | 24.34 | 23.74 | 22.34 | PASS |
| 5 | 40620 | 12 | #Mid | QPSK | 24.31 | 23.71 | 22.31 | PASS |
| 5 | 40620 | 12 | #Max | QPSK | 24.41 | 23.81 | 22.41 | PASS |
| 5 | 40620 | 25 | #0 | QPSK | 24.34 | 23.74 | 22.34 | PASS |
| 5 | 40620 | 1 | #0 | QAM16 | 24.65 | 24.05 | 22.65 | PASS |
| 5 | 40620 | 1 | #Mid | QAM16 | 24.79 | 24.19 | 22.79 | PASS |
| 5 | 40620 | 1 | #Max | QAM16 | 24.81 | 24.21 | 22.81 | PASS |
| 5 | 40620 | 12 | #0 | QAM16 | 23.98 | 23.38 | 21.98 | PASS |
| 5 | 40620 | 12 | #Mid | QAM16 | 24.03 | 23.43 | 22.03 | PASS |
| 5 | 40620 | 12 | #Max | QAM16 | 24.14 | 23.54 | 22.14 | PASS |
| 5 | 40620 | 25 | #0 | QAM16 | 24.06 | 23.46 | 22.06 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | 41565 | 1 | #0 | QPSK | 24.36 | 23.76 | 22.36 | PASS |
| 5 | 41565 | 1 | #Mid | QPSK | 24.37 | 23.77 | 22.37 | PASS |
| 5 | 41565 | 1 | #Max | QPSK | 24.38 | 23.78 | 22.38 | PASS |
| 5 | 41565 | 12 | #0 | QPSK | 24.40 | 23.80 | 22.40 | PASS |
| 5 | 41565 | 12 | #Mid | QPSK | 24.41 | 23.81 | 22.41 | PASS |
| 5 | 41565 | 12 | #Max | QPSK | 24.41 | 23.81 | 22.41 | PASS |
| 5 | 41565 | 25 | #0 | QPSK | 24.41 | 23.81 | 22.41 | PASS |
| 5 | 41565 | 1 | #0 | QAM16 | 24.59 | 23.99 | 22.59 | PASS |
| 5 | 41565 | 1 | #Mid | QAM16 | 24.65 | 24.05 | 22.65 | PASS |
| 5 | 41565 | 1 | #Max | QAM16 | 24.65 | 24.05 | 22.65 | PASS |
| 5 | 41565 | 12 | #0 | QAM16 | 24.41 | 23.81 | 22.41 | PASS |
| 5 | 41565 | 12 | #Mid | QAM16 | 24.40 | 23.80 | 22.40 | PASS |
| 5 | 41565 | 12 | #Max | QAM16 | 24.42 | 23.82 | 22.42 | PASS |
| 5 | 41565 | 25 | #0 | QAM16 | 24.40 | 23.80 | 22.40 | PASS |
| 10 | 39700 | 1 | #0 | QPSK | 24.36 | 23.76 | 22.36 | PASS |
| 10 | 39700 | 1 | #Mid | QPSK | 24.32 | 23.72 | 22.32 | PASS |
| 10 | 39700 | 1 | #Max | QPSK | 24.22 | 23.62 | 22.22 | PASS |
| 10 | 39700 | 25 | #0 | QPSK | 24.40 | 23.80 | 22.40 | PASS |
| 10 | 39700 | 25 | #Mid | QPSK | 24.37 | 23.77 | 22.37 | PASS |
| 10 | 39700 | 25 | #Max | QPSK | 24.36 | 23.76 | 22.36 | PASS |
| 10 | 39700 | 50 | #0 | QPSK | 24.34 | 23.74 | 22.34 | PASS |
| 10 | 39700 | 1 | #0 | QAM16 | 24.79 | 24.19 | 22.79 | PASS |
| 10 | 39700 | 1 | #Mid | QAM16 | 24.71 | 24.11 | 22.71 | PASS |
| 10 | 39700 | 1 | #Max | QAM16 | 24.70 | 24.10 | 22.70 | PASS |
| 10 | 39700 | 25 | #0 | QAM16 | 24.41 | 23.81 | 22.41 | PASS |
| 10 | 39700 | 25 | #Mid | QAM16 | 24.43 | 23.83 | 22.43 | PASS |
| 10 | 39700 | 25 | #Max | QAM16 | 24.43 | 23.83 | 22.43 | PASS |
| 10 | 39700 | 50 | #0 | QAM16 | 24.35 | 23.75 | 22.35 | PASS |
| 10 | 40620 | 1 | #0 | QPSK | 24.28 | 23.68 | 22.28 | PASS |
| 10 | 40620 | 1 | #Mid | QPSK | 24.27 | 23.67 | 22.27 | PASS |
| 10 | 40620 | 1 | #Max | QPSK | 24.35 | 23.75 | 22.35 | PASS |
| 10 | 40620 | 25 | #0 | QPSK | 24.28 | 23.68 | 22.28 | PASS |
| 10 | 40620 | 25 | #Mid | QPSK | 24.31 | 23.71 | 22.31 | PASS |
| 10 | 40620 | 25 | #Max | QPSK | 24.41 | 23.81 | 22.41 | PASS |
| 10 | 40620 | 50 | #0 | QPSK | 24.34 | 23.74 | 22.34 | PASS |
| 10 | 40620 | 1 | #0 | QAM16 | 24.40 | 23.80 | 22.40 | PASS |
| 10 | 40620 | 1 | #Mid | QAM16 | 24.29 | 23.69 | 22.29 | PASS |
| 10 | 40620 | 1 | #Max | QAM16 | 24.46 | 23.86 | 22.46 | PASS |
| 10 | 40620 | 25 | #0 | QAM16 | 23.99 | 23.39 | 21.99 | PASS |
| 10 | 40620 | 25 | #Mid | QAM16 | 24.02 | 23.42 | 22.02 | PASS |
| 10 | 40620 | 25 | #Max | QAM16 | 24.21 | 23.61 | 22.21 | PASS |
| 10 | 40620 | 50 | #0 | QAM16 | 23.98 | 23.38 | 21.98 | PASS |
| 10 | 41540 | 1 | #0 | QPSK | 24.36 | 23.76 | 22.36 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 10 | 41540 | 1 | #Mid | QPSK | 24.23 | 23.63 | 22.23 | PASS |
| 10 | 41540 | 1 | #Max | QPSK | 24.35 | 23.75 | 22.35 | PASS |
| 10 | 41540 | 25 | #0 | QPSK | 24.32 | 23.72 | 22.32 | PASS |
| 10 | 41540 | 25 | #Mid | QPSK | 24.36 | 23.76 | 22.36 | PASS |
| 10 | 41540 | 25 | #Max | QPSK | 24.40 | 23.80 | 22.40 | PASS |
| 10 | 41540 | 50 | #0 | QPSK | 24.37 | 23.77 | 22.37 | PASS |
| 10 | 41540 | 1 | #0 | QAM16 | 24.32 | 23.72 | 22.32 | PASS |
| 10 | 41540 | 1 | #Mid | QAM16 | 24.30 | 23.70 | 22.30 | PASS |
| 10 | 41540 | 1 | #Max | QAM16 | 24.25 | 23.65 | 22.25 | PASS |
| 10 | 41540 | 25 | #0 | QAM16 | 24.31 | 23.71 | 22.31 | PASS |
| 10 | 41540 | 25 | #Mid | QAM16 | 24.35 | 23.75 | 22.35 | PASS |
| 10 | 41540 | 25 | #Max | QAM16 | 24.40 | 23.80 | 22.40 | PASS |
| 10 | 41540 | 50 | #0 | QAM16 | 24.40 | 23.80 | 22.40 | PASS |
| 15 | 39725 | 1 | #0 | QPSK | 23.99 | 23.39 | 21.99 | PASS |
| 15 | 39725 | 1 | #Mid | QPSK | 24.03 | 23.43 | 22.03 | PASS |
| 15 | 39725 | 1 | #Max | QPSK | 23.98 | 23.38 | 21.98 | PASS |
| 15 | 39725 | 36 | #0 | QPSK | 24.13 | 23.53 | 22.13 | PASS |
| 15 | 39725 | 36 | #Mid | QPSK | 24.16 | 23.56 | 22.16 | PASS |
| 15 | 39725 | 36 | #Max | QPSK | 24.18 | 23.58 | 22.18 | PASS |
| 15 | 39725 | 75 | #0 | QPSK | 24.22 | 23.62 | 22.22 | PASS |
| 15 | 39725 | 1 | #0 | QAM16 | 24.47 | 23.87 | 22.47 | PASS |
| 15 | 39725 | 1 | #Mid | QAM16 | 24.44 | 23.84 | 22.44 | PASS |
| 15 | 39725 | 1 | #Max | QAM16 | 24.41 | 23.81 | 22.41 | PASS |
| 15 | 39725 | 36 | #0 | QAM16 | 24.14 | 23.54 | 22.14 | PASS |
| 15 | 39725 | 36 | #Mid | QAM16 | 24.15 | 23.55 | 22.15 | PASS |
| 15 | 39725 | 36 | #Max | QAM16 | 24.20 | 23.60 | 22.20 | PASS |
| 15 | 39725 | 75 | #0 | QAM16 | 24.23 | 23.63 | 22.23 | PASS |
| 15 | 40620 | 1 | #0 | QPSK | 24.13 | 23.53 | 22.13 | PASS |
| 15 | 40620 | 1 | #Mid | QPSK | 24.09 | 23.49 | 22.09 | PASS |
| 15 | 40620 | 1 | #Max | QPSK | 24.13 | 23.53 | 22.13 | PASS |
| 15 | 40620 | 36 | #0 | QPSK | 24.18 | 23.58 | 22.18 | PASS |
| 15 | 40620 | 36 | #Mid | QPSK | 24.17 | 23.57 | 22.17 | PASS |
| 15 | 40620 | 36 | #Max | QPSK | 24.28 | 23.68 | 22.28 | PASS |
| 15 | 40620 | 75 | #0 | QPSK | 24.13 | 23.53 | 22.13 | PASS |
| 15 | 40620 | 1 | #0 | QAM16 | 24.23 | 23.63 | 22.23 | PASS |
| 15 | 40620 | 1 | #Mid | QAM16 | 24.29 | 23.69 | 22.29 | PASS |
| 15 | 40620 | 1 | #Max | QAM16 | 24.38 | 23.78 | 22.38 | PASS |
| 15 | 40620 | 36 | #0 | QAM16 | 23.94 | 23.34 | 21.94 | PASS |
| 15 | 40620 | 36 | #Mid | QAM16 | 23.95 | 23.35 | 21.95 | PASS |
| 15 | 40620 | 36 | #Max | QAM16 | 24.26 | 23.66 | 22.26 | PASS |
| 15 | 40620 | 75 | #0 | QAM16 | 24.07 | 23.47 | 22.07 | PASS |
| 15 | 41515 | 1 | #0 | QPSK | 24.31 | 23.71 | 22.31 | PASS |
| 15 | 41515 | 1 | #Mid | QPSK | 24.26 | 23.66 | 22.26 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15 | 41515 | 1 | #Max | QPSK | 24.28 | 23.68 | 22.28 | PASS |
| 15 | 41515 | 36 | #0 | QPSK | 24.19 | 23.59 | 22.19 | PASS |
| 15 | 41515 | 36 | #Mid | QPSK | 24.20 | 23.60 | 22.20 | PASS |
| 15 | 41515 | 36 | #Max | QPSK | 24.28 | 23.68 | 22.28 | PASS |
| 15 | 41515 | 75 | #0 | QPSK | 24.14 | 23.54 | 22.14 | PASS |
| 15 | 41515 | 1 | #0 | QAM16 | 24.38 | 23.78 | 22.38 | PASS |
| 15 | 41515 | 1 | #Mid | QAM16 | 24.30 | 23.70 | 22.30 | PASS |
| 15 | 41515 | 1 | #Max | QAM16 | 24.33 | 23.73 | 22.33 | PASS |
| 15 | 41515 | 36 | #0 | QAM16 | 23.96 | 23.36 | 21.96 | PASS |
| 15 | 41515 | 36 | #Mid | QAM16 | 23.97 | 23.37 | 21.97 | PASS |
| 15 | 41515 | 36 | #Max | QAM16 | 24.29 | 23.69 | 22.29 | PASS |
| 15 | 41515 | 75 | #0 | QAM16 | 24.27 | 23.67 | 22.27 | PASS |
| 20 | 39750 | 1 | #0 | QPSK | 24.09 | 23.49 | 22.09 | PASS |
| 20 | 39750 | 1 | #Mid | QPSK | 24.03 | 23.43 | 22.03 | PASS |
| 20 | 39750 | 1 | #Max | QPSK | 24.05 | 23.45 | 22.05 | PASS |
| 20 | 39750 | 50 | #0 | QPSK | 24.18 | 23.58 | 22.18 | PASS |
| 20 | 39750 | 50 | #Mid | QPSK | 24.13 | 23.53 | 22.13 | PASS |
| 20 | 39750 | 50 | #Max | QPSK | 24.20 | 23.60 | 22.20 | PASS |
| 20 | 39750 | 100 | #0 | QPSK | 24.24 | 23.64 | 22.24 | PASS |
| 20 | 39750 | 1 | #0 | QAM16 | 24.32 | 23.72 | 22.32 | PASS |
| 20 | 39750 | 1 | #Mid | QAM16 | 24.33 | 23.73 | 22.33 | PASS |
| 20 | 39750 | 1 | #Max | QAM16 | 24.30 | 23.70 | 22.30 | PASS |
| 20 | 39750 | 50 | #0 | QAM16 | 24.17 | 23.57 | 22.17 | PASS |
| 20 | 39750 | 50 | #Mid | QAM16 | 24.15 | 23.55 | 22.15 | PASS |
| 20 | 39750 | 50 | #Max | QAM16 | 24.23 | 23.63 | 22.23 | PASS |
| 20 | 39750 | 100 | #0 | QAM16 | 24.17 | 23.57 | 22.17 | PASS |
| 20 | 40620 | 1 | #0 | QPSK | 24.17 | 23.57 | 22.17 | PASS |
| 20 | 40620 | 1 | #Mid | QPSK | 24.19 | 23.59 | 22.19 | PASS |
| 20 | 40620 | 1 | #Max | QPSK | 24.30 | 23.70 | 22.30 | PASS |
| 20 | 40620 | 50 | #0 | QPSK | 24.15 | 23.55 | 22.15 | PASS |
| 20 | 40620 | 50 | #Mid | QPSK | 24.17 | 23.57 | 22.17 | PASS |
| 20 | 40620 | 50 | #Max | QPSK | 24.31 | 23.71 | 22.31 | PASS |
| 20 | 40620 | 100 | #0 | QPSK | 24.18 | 23.58 | 22.18 | PASS |
| 20 | 40620 | 1 | #0 | QAM16 | 24.19 | 23.59 | 22.19 | PASS |
| 20 | 40620 | 1 | #Mid | QAM16 | 24.14 | 23.54 | 22.14 | PASS |
| 20 | 40620 | 1 | #Max | QAM16 | 24.26 | 23.66 | 22.26 | PASS |
| 20 | 40620 | 50 | #0 | QAM16 | 23.87 | 23.27 | 21.87 | PASS |
| 20 | 40620 | 50 | #Mid | QAM16 | 23.86 | 23.26 | 21.86 | PASS |
| 20 | 40620 | 50 | #Max | QAM16 | 24.26 | 23.66 | 22.26 | PASS |
| 20 | 40620 | 100 | #0 | QAM16 | 24.07 | 23.47 | 22.07 | PASS |
| 20 | 41490 | 1 | #0 | QPSK | 24.24 | 23.64 | 22.24 | PASS |
| 20 | 41490 | 1 | #Mid | QPSK | 24.18 | 23.58 | 22.18 | PASS |
| 20 | 41490 | 1 | #Max | QPSK | 24.25 | 23.65 | 22.25 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 20 | 41490 | 50 | #0 | QPSK | 24.25 | 23.65 | 22.25 | PASS |
| 20 | 41490 | 50 | #Mid | QPSK | 24.22 | 23.62 | 22.22 | PASS |
| 20 | 41490 | 50 | #Max | QPSK | 24.34 | 23.74 | 22.34 | PASS |
| 20 | 41490 | 100 | #0 | QPSK | 24.31 | 23.71 | 22.31 | PASS |
| 20 | 41490 | 1 | #0 | QAM16 | 23.84 | 23.24 | 21.84 | PASS |
| 20 | 41490 | 1 | #Mid | QAM16 | 23.88 | 23.28 | 21.88 | PASS |
| 20 | 41490 | 1 | #Max | QAM16 | 23.99 | 23.39 | 21.99 | PASS |
| 20 | 41490 | 50 | #0 | QAM16 | 23.66 | 23.06 | 21.66 | PASS |
| 20 | 41490 | 50 | #Mid | QAM16 | 23.70 | 23.10 | 21.70 | PASS |
| 20 | 41490 | 50 | #Max | QAM16 | 24.35 | 23.75 | 22.35 | PASS |
| 20 | 41490 | 100 | #0 | QAM16 | 24.08 | 23.48 | 22.08 | PASS |
| 5 | 39675 | 1 | #0 | QAM64 | 23.68 | 23.08 | 21.68 | PASS |
| 5 | 39675 | 1 | #Mid | QAM64 | 23.65 | 23.05 | 21.65 | PASS |
| 5 | 39675 | 1 | #Max | QAM64 | 23.59 | 22.99 | 21.59 | PASS |
| 5 | 39675 | 12 | #0 | QAM64 | 23.40 | 22.80 | 21.40 | PASS |
| 5 | 39675 | 12 | #Mid | QAM64 | 23.39 | 22.79 | 21.39 | PASS |
| 5 | 39675 | 12 | #Max | QAM64 | 23.39 | 22.79 | 21.39 | PASS |
| 5 | 39675 | 25 | #0 | QAM64 | 23.33 | 22.73 | 21.33 | PASS |
| 5 | 40620 | 1 | #0 | QAM64 | 23.66 | 23.06 | 21.66 | PASS |
| 5 | 40620 | 1 | #Mid | QAM64 | 23.79 | 23.19 | 21.79 | PASS |
| 5 | 40620 | 1 | #Max | QAM64 | 23.77 | 23.17 | 21.77 | PASS |
| 5 | 40620 | 12 | #0 | QAM64 | 22.96 | 22.36 | 20.96 | PASS |
| 5 | 40620 | 12 | #Mid | QAM64 | 23.02 | 22.42 | 21.02 | PASS |
| 5 | 40620 | 12 | #Max | QAM64 | 23.11 | 22.51 | 21.11 | PASS |
| 5 | 40620 | 25 | #0 | QAM64 | 23.00 | 22.40 | 21.00 | PASS |
| 5 | 41565 | 1 | #0 | QAM64 | 23.61 | 23.01 | 21.61 | PASS |
| 5 | 41565 | 1 | #Mid | QAM64 | 23.65 | 23.05 | 21.65 | PASS |
| 5 | 41565 | 1 | #Max | QAM64 | 23.65 | 23.05 | 21.65 | PASS |
| 5 | 41565 | 12 | #0 | QAM64 | 23.38 | 22.78 | 21.38 | PASS |
| 5 | 41565 | 12 | #Mid | QAM64 | 23.40 | 22.80 | 21.40 | PASS |
| 5 | 41565 | 12 | #Max | QAM64 | 23.39 | 22.79 | 21.39 | PASS |
| 5 | 41565 | 25 | #0 | QAM64 | 23.38 | 22.78 | 21.38 | PASS |
| 10 | 39700 | 1 | #0 | QAM64 | 23.92 | 23.32 | 21.92 | PASS |
| 10 | 39700 | 1 | #Mid | QAM64 | 23.73 | 23.13 | 21.73 | PASS |
| 10 | 39700 | 1 | #Max | QAM64 | 23.71 | 23.11 | 21.71 | PASS |
| 10 | 39700 | 25 | #0 | QAM64 | 23.39 | 22.79 | 21.39 | PASS |
| 10 | 39700 | 25 | #Mid | QAM64 | 23.42 | 22.82 | 21.42 | PASS |
| 10 | 39700 | 25 | #Max | QAM64 | 23.43 | 22.83 | 21.43 | PASS |
| 10 | 39700 | 50 | #0 | QAM64 | 23.32 | 22.72 | 21.32 | PASS |
| 10 | 40620 | 1 | #0 | QAM64 | 23.41 | 22.81 | 21.41 | PASS |
| 10 | 40620 | 1 | #Mid | QAM64 | 23.31 | 22.71 | 21.31 | PASS |
| 10 | 40620 | 1 | #Max | QAM64 | 23.44 | 22.84 | 21.44 | PASS |
| 10 | 40620 | 25 | #0 | QAM64 | 22.94 | 22.34 | 20.94 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 10 | 40620 | 25 | #Mid | QAM64 | 22.95 | 22.35 | 20.95 | PASS |
| 10 | 40620 | 25 | #Max | QAM64 | 23.15 | 22.55 | 21.15 | PASS |
| 10 | 40620 | 50 | #0 | QAM64 | 22.96 | 22.36 | 20.96 | PASS |
| 10 | 41540 | 1 | #0 | QAM64 | 23.35 | 22.75 | 21.35 | PASS |
| 10 | 41540 | 1 | #Mid | QAM64 | 23.31 | 22.71 | 21.31 | PASS |
| 10 | 41540 | 1 | #Max | QAM64 | 23.35 | 22.75 | 21.35 | PASS |
| 10 | 41540 | 25 | #0 | QAM64 | 23.32 | 22.72 | 21.32 | PASS |
| 10 | 41540 | 25 | #Mid | QAM64 | 23.33 | 22.73 | 21.33 | PASS |
| 10 | 41540 | 25 | #Max | QAM64 | 23.42 | 22.82 | 21.42 | PASS |
| 10 | 41540 | 50 | #0 | QAM64 | 23.39 | 22.79 | 21.39 | PASS |
| 15 | 39725 | 1 | #0 | QAM64 | 23.42 | 22.82 | 21.42 | PASS |
| 15 | 39725 | 1 | #Mid | QAM64 | 23.44 | 22.84 | 21.44 | PASS |
| 15 | 39725 | 1 | #Max | QAM64 | 23.41 | 22.81 | 21.41 | PASS |
| 15 | 39725 | 36 | #0 | QAM64 | 23.12 | 22.52 | 21.12 | PASS |
| 15 | 39725 | 36 | #Mid | QAM64 | 23.14 | 22.54 | 21.14 | PASS |
| 15 | 39725 | 36 | #Max | QAM64 | 23.18 | 22.58 | 21.18 | PASS |
| 15 | 39725 | 75 | #0 | QAM64 | 23.21 | 22.61 | 21.21 | PASS |
| 15 | 40620 | 1 | #0 | QAM64 | 23.23 | 22.63 | 21.23 | PASS |
| 15 | 40620 | 1 | #Mid | QAM64 | 23.27 | 22.67 | 21.27 | PASS |
| 15 | 40620 | 1 | #Max | QAM64 | 23.40 | 22.80 | 21.40 | PASS |
| 15 | 40620 | 36 | #0 | QAM64 | 22.93 | 22.33 | 20.93 | PASS |
| 15 | 40620 | 36 | #Mid | QAM64 | 22.93 | 22.33 | 20.93 | PASS |
| 15 | 40620 | 36 | #Max | QAM64 | 23.24 | 22.64 | 21.24 | PASS |
| 15 | 40620 | 75 | #0 | QAM64 | 23.02 | 22.42 | 21.02 | PASS |
| 15 | 41515 | 1 | #0 | QAM64 | 23.47 | 22.87 | 21.47 | PASS |
| 15 | 41515 | 1 | #Mid | QAM64 | 23.30 | 22.70 | 21.30 | PASS |
| 15 | 41515 | 1 | #Max | QAM64 | 23.33 | 22.73 | 21.33 | PASS |
| 15 | 41515 | 36 | #0 | QAM64 | 22.96 | 22.36 | 20.96 | PASS |
| 15 | 41515 | 36 | #Mid | QAM64 | 22.96 | 22.36 | 20.96 | PASS |
| 15 | 41515 | 36 | #Max | QAM64 | 23.30 | 22.70 | 21.30 | PASS |
| 15 | 41515 | 75 | #0 | QAM64 | 23.20 | 22.60 | 21.20 | PASS |
| 20 | 39750 | 1 | #0 | QAM64 | 23.33 | 22.73 | 21.33 | PASS |
| 20 | 39750 | 1 | #Mid | QAM64 | 23.29 | 22.69 | 21.29 | PASS |
| 20 | 39750 | 1 | #Max | QAM64 | 23.26 | 22.66 | 21.26 | PASS |
| 20 | 39750 | 50 | #0 | QAM64 | 23.13 | 22.53 | 21.13 | PASS |
| 20 | 39750 | 50 | #Mid | QAM64 | 23.17 | 22.57 | 21.17 | PASS |
| 20 | 39750 | 50 | #Max | QAM64 | 23.19 | 22.59 | 21.19 | PASS |
| 20 | 39750 | 100 | #0 | QAM64 | 23.20 | 22.60 | 21.20 | PASS |
| 20 | 40620 | 1 | #0 | QAM64 | 23.20 | 22.60 | 21.20 | PASS |
| 20 | 40620 | 1 | #Mid | QAM64 | 23.14 | 22.54 | 21.14 | PASS |
| 20 | 40620 | 1 | #Max | QAM64 | 23.29 | 22.69 | 21.29 | PASS |
| 20 | 40620 | 50 | #0 | QAM64 | 22.88 | 22.28 | 20.88 | PASS |
| 20 | 40620 | 50 | #Mid | QAM64 | 22.88 | 22.28 | 20.88 | PASS |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 20 | 40620 | 50 | #Max | QAM64 | 23.26 | 22.66 | 21.26 | PASS |
| 20 | 40620 | 100 | #0 | QAM64 | 23.12 | 22.52 | 21.12 | PASS |
| 20 | 41490 | 1 | #0 | QAM64 | 22.83 | 22.23 | 20.83 | PASS |
| 20 | 41490 | 1 | #Mid | QAM64 | 22.88 | 22.28 | 20.88 | PASS |
| 20 | 41490 | 1 | #Max | QAM64 | 22.99 | 22.39 | 20.99 | PASS |
| 20 | 41490 | 50 | #0 | QAM64 | 22.65 | 22.05 | 20.65 | PASS |
| 20 | 41490 | 50 | #Mid | QAM64 | 22.66 | 22.06 | 20.66 | PASS |
| 20 | 41490 | 50 | #Max | QAM64 | 23.37 | 22.77 | 21.37 | PASS |
| 20 | 41490 | 100 | #0 | QAM64 | 23.04 | 22.44 | 21.04 | PASS |

| CA_41C | PCC | SCC | PCC RB | | SCC1 RB | | Max mum output power (dBm) | | | Antenna 1 EIRP (dBm) | | | Antenna 4 EIRP (dBm) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency (MHz) | Frequency (MHz) | Size | Offset | Size | Offset | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM | QPSK | 16QAM | 64QAM |
| 5MHz+ 20MHz | 2499.3 | 2511 | 1 | 24 | 1 | 0 | 24.26 | 23.35 | 22.41 | 23.66 | 22.75 | 21.81 | 22.26 | 21.35 | 20.41 |
| | | | 25 | 0 | 100 | 0 | 19.83 | 18.82 | 17.84 | 19.23 | 18.22 | 17.24 | 17.83 | 16.82 | 15.84 |
| | 2583.8 | 2595.5 | 1 | 24 | 1 | 0 | 24.16 | 23.35 | 22.51 | 23.56 | 22.75 | 21.91 | 22.16 | 21.35 | 20.51 |
| | | | 25 | 0 | 100 | 0 | 19.77 | 18.82 | 17.93 | 19.17 | 18.22 | 17.33 | 17.77 | 16.82 | 15.93 |
| | 2668.3 | 2680 | 1 | 24 | 1 | 0 | 24.05 | 23.23 | 22.41 | 23.45 | 22.63 | 21.81 | 22.05 | 21.23 | 20.41 |
| | | | 25 | 0 | 100 | 0 | 19.70 | 18.66 | 17.59 | 19.10 | 18.06 | 16.99 | 17.70 | 16.66 | 15.59 |
| 20MHz+ 5MHz | 2506 | 2517.7 | 1 | 99 | 1 | 0 | 24.69 | 23.84 | 22.96 | 24.09 | 23.24 | 22.36 | 22.69 | 21.84 | 20.96 |
| | | | 1 | 0 | 1 | 24 | 13.16 | 13.36 | 13.28 | 12.56 | 12.76 | 12.68 | 11.16 | 11.36 | 11.28 |
| | | | 100 | 0 | 25 | 0 | 21.61 | 20.73 | 19.87 | 21.01 | 20.13 | 19.27 | 19.61 | 18.73 | 17.87 |
| | 2590.5 | 2602.2 | 1 | 99 | 1 | 0 | 24.67 | 23.86 | 23.05 | 24.07 | 23.26 | 22.45 | 22.67 | 21.86 | 21.05 |
| | | | 1 | 0 | 1 | 24 | 13.09 | 13.24 | 13.20 | 12.49 | 12.64 | 12.60 | 11.09 | 11.24 | 11.20 |
| | | | 100 | 0 | 25 | 0 | 21.52 | 20.65 | 19.77 | 20.92 | 20.05 | 19.17 | 19.52 | 18.65 | 17.77 |
| | 2675 | 2686.7 | 1 | 99 | 1 | 0 | 24.66 | 23.70 | 22.79 | 24.06 | 23.10 | 22.19 | 22.66 | 21.70 | 20.79 |
| | | | 1 | 0 | 1 | 24 | 12.60 | 12.84 | 13.66 | 12.00 | 12.24 | 13.06 | 10.60 | 10.84 | 11.66 |
| | | | 100 | 0 | 25 | 0 | 21.45 | 20.52 | 19.64 | 20.85 | 19.92 | 19.04 | 19.45 | 18.52 | 17.64 |
| 10MHz+ 20MHz | 2501.5 | 2515.9 | 1 | 49 | 1 | 0 | 24.54 | 23.61 | 22.79 | 23.94 | 23.01 | 22.19 | 22.54 | 21.61 | 20.79 |
| | | | 50 | 0 | 100 | 0 | 19.95 | 18.93 | 17.97 | 19.35 | 18.33 | 17.37 | 17.95 | 16.93 | 15.97 |
| | 2583.6 | 2598 | 1 | 49 | 1 | 0 | 24.52 | 23.67 | 22.74 | 23.92 | 23.07 | 22.14 | 22.52 | 21.67 | 20.74 |
| | | | 50 | 0 | 100 | 0 | 19.90 | 18.89 | 17.84 | 19.30 | 18.29 | 17.24 | 17.90 | 16.89 | 15.84 |
| | 2665.6 | 2680 | 1 | 49 | 1 | 0 | 24.40 | 23.20 | 22.14 | 23.80 | 22.60 | 21.54 | 22.40 | 21.20 | 20.14 |
| | | | 50 | 0 | 100 | 0 | 19.83 | 18.85 | 17.87 | 19.23 | 18.25 | 17.27 | 17.83 | 16.85 | 15.87 |
| 20MHz+ 10MHz | 2506 | 2520.4 | 1 | 99 | 1 | 0 | 24.71 | 23.77 | 22.76 | 24.11 | 23.17 | 22.16 | 22.71 | 21.77 | 20.76 |
| | | | 100 | 0 | 50 | 0 | 20.63 | 19.61 | 18.64 | 20.03 | 19.01 | 18.04 | 18.63 | 17.61 | 16.64 |
| | 2588.1 | 2602.5 | 1 | 99 | 1 | 0 | 24.69 | 23.71 | 22.75 | 24.09 | 23.11 | 22.15 | 22.69 | 21.71 | 20.75 |
| | | | 100 | 0 | 50 | 0 | 20.56 | 19.60 | 18.63 | 19.96 | 19.00 | 18.03 | 18.56 | 17.60 | 16.63 |
| | 2670.1 | 2684.5 | 1 | 99 | 1 | 0 | 24.58 | 23.79 | 22.87 | 23.98 | 23.19 | 22.27 | 22.58 | 21.79 | 20.87 |
| | | | 100 | 0 | 50 | 0 | 20.48 | 19.67 | 18.71 | 19.88 | 19.07 | 18.11 | 18.48 | 17.67 | 16.71 |
| 15MHz+ 15MHz | 2503.5 | 2518.5 | 1 | 74 | 1 | 0 | 24.19 | 23.35 | 22.59 | 23.59 | 22.75 | 21.99 | 22.19 | 21.35 | 20.59 |
| | | | 75 | 0 | 75 | 0 | 19.93 | 18.92 | 17.91 | 19.33 | 18.32 | 17.31 | 17.93 | 16.92 | 15.91 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2585.5 | 2600.5 | 1 | 74 | 1 | 0 | 24.10 | 23.18 | 22.25 | 23.50 | 22.58 | 21.65 | 22.10 | 21.18 | 20.25 |
| | | | 75 | 0 | 75 | 0 | 19.88 | 18.97 | 18.01 | 19.28 | 18.37 | 17.41 | 17.88 | 16.97 | 16.01 |
| | 2667.5 | 2682.5 | 1 | 74 | 1 | 0 | 24.05 | 23.38 | 22.59 | 23.45 | 22.78 | 21.99 | 22.05 | 21.38 | 20.59 |
| | | | 75 | 0 | 75 | 0 | 19.81 | 18.85 | 17.83 | 19.21 | 18.25 | 17.23 | 17.81 | 16.85 | 15.83 |
| 15MHz+ 20MHz | 2503.8 | 2520.9 | 1 | 74 | 1 | 0 | 24.39 | 23.60 | 22.74 | 23.79 | 23.00 | 22.14 | 22.39 | 21.60 | 20.74 |
| | | | 75 | 0 | 100 | 0 | 19.93 | 18.95 | 17.96 | 19.33 | 18.35 | 17.36 | 17.93 | 16.95 | 15.96 |
| | 2583.3 | 2600.4 | 1 | 74 | 1 | 0 | 24.31 | 23.55 | 22.77 | 23.71 | 22.95 | 22.17 | 22.31 | 21.55 | 20.77 |
| | | | 75 | 0 | 100 | 0 | 19.86 | 18.91 | 17.89 | 19.26 | 18.31 | 17.29 | 17.86 | 16.91 | 15.89 |
| | 2662.9 | 2680 | 1 | 74 | 1 | 0 | 24.26 | 23.62 | 23.01 | 23.66 | 23.02 | 22.41 | 22.26 | 21.62 | 21.01 |
| | | | 75 | 0 | 100 | 0 | 19.94 | 18.96 | 17.97 | 19.34 | 18.36 | 17.37 | 17.94 | 16.96 | 15.97 |
| 20MHz+ 15MHz | 2506 | 2523.1 | 1 | 99 | 1 | 0 | 24.72 | 23.92 | 23.05 | 24.12 | 23.32 | 22.45 | 22.72 | 21.92 | 21.05 |
| | | | 100 | 0 | 75 | 0 | 20.33 | 19.32 | 18.35 | 19.73 | 18.72 | 17.75 | 18.33 | 17.32 | 16.35 |
| | 2585.6 | 2602.7 | 1 | 99 | 1 | 0 | 24.68 | 23.90 | 23.18 | 24.08 | 23.30 | 22.58 | 22.68 | 21.90 | 21.18 |
| | | | 100 | 0 | 75 | 0 | 20.27 | 19.27 | 18.29 | 19.67 | 18.67 | 17.69 | 18.27 | 17.27 | 16.29 |
| | 2665.1 | 2682.2 | 1 | 99 | 1 | 0 | 24.55 | 23.88 | 23.12 | 23.95 | 23.28 | 22.52 | 22.55 | 21.88 | 21.12 |
| | | | 100 | 0 | 75 | 0 | 20.15 | 19.26 | 18.33 | 19.55 | 18.66 | 17.73 | 18.15 | 17.26 | 16.33 |
| 20MHz+ 20MHz | 2506 | 2525.8 | 1 | 99 | 1 | 0 | 24.63 | 23.80 | 22.96 | 24.03 | 23.20 | 22.36 | 22.63 | 21.80 | 20.96 |
| | | | 1 | 0 | 1 | 99 | 13.31 | 13.57 | 13.56 | 12.71 | 12.97 | 12.96 | 11.31 | 11.57 | 11.56 |
| | | | 100 | 0 | 100 | 0 | 20.05 | 19.07 | 18.03 | 19.45 | 18.47 | 17.43 | 18.05 | 17.07 | 16.03 |
| | 2583.1 | 2602.9 | 1 | 99 | 1 | 0 | 24.58 | 23.76 | 23.09 | 23.98 | 23.16 | 22.49 | 22.58 | 21.76 | 21.09 |
| | | | 1 | 0 | 1 | 99 | 13.30 | 13.47 | 13.40 | 12.70 | 12.87 | 12.80 | 11.30 | 11.47 | 11.40 |
| | | | 100 | 0 | 100 | 0 | 19.96 | 19.08 | 18.12 | 19.36 | 18.48 | 17.52 | 17.96 | 17.08 | 16.12 |
| | 2660.2 | 2680 | 1 | 99 | 1 | 0 | 24.60 | 23.71 | 23.04 | 24.00 | 23.11 | 22.44 | 22.60 | 21.71 | 21.04 |
| | | | 1 | 0 | 1 | 99 | 13.25 | 13.44 | 13.30 | 12.65 | 12.84 | 12.70 | 11.25 | 11.44 | 11.30 |
| | | | 100 | 0 | 100 | 0 | 19.99 | 19.06 | 18.15 | 19.39 | 18.46 | 17.55 | 17.99 | 17.06 | 16.15 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## Power Spectral Density and Duty Cycle for LTE Band 40

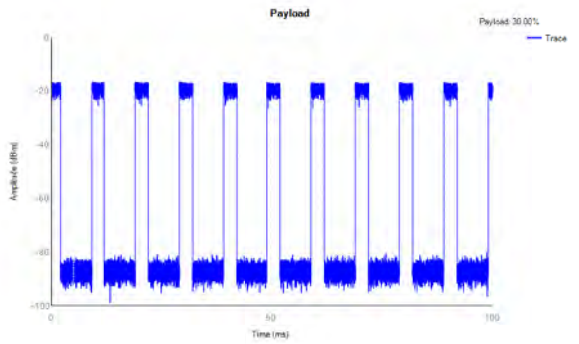
| Band | RB | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | Duty Cycle |
|---|---|---|---|---|---|---|
| LTE Band 40 Subset 1 | 100% | QPSK | 5 | 38725 | 2307.5 | 30.00% |
| | | | | 38750 | 2310 | 30.05% |
| | | | | 38775 | 2312.5 | 30.06% |
| | | | 10 | 38750 | 2310 | 30.00% |
| | | 16QAM | 5 | 38725 | 2307.5 | 30.05% |
| | | | | 38750 | 2310 | 30.05% |
| | | | | 38775 | 2312.5 | 30.00% |
| | | | 10 | 38750 | 2310 | 30.05% |
| | | 64QAM | 5 | 38725 | 2307.5 | 30.00% |
| | | | | 38750 | 2310 | 30.05% |
| | | | | 38775 | 2312.5 | 30.06% |
| | | | 10 | 38750 | 2310 | 30.06% |

| Band | RB | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | Duty Cycle |
|---|---|---|---|---|---|---|
| LTE Band 40 Subset 2 | 100% | QPSK | 5 | 39175 | 2352.5 | 30.06% |
| | | | | 39200 | 2355 | 30.05% |
| | | | | 39225 | 2357.5 | 30.06% |
| | | | 10 | 39200 | 2355 | 30.05% |
| | | 16QAM | 5 | 39175 | 2352.5 | 30.00% |
| | | | | 39200 | 2355 | 29.99% |
| | | | | 39225 | 2357.5 | 30.05% |
| | | | 10 | 39200 | 2355 | 29.99% |
| | | 64QAM | 5 | 39175 | 2352.5 | 30.06% |
| | | | | 39200 | 2355 | 30.05% |
| | | | | 39225 | 2357.5 | 30.05% |
| | | | 10 | 39200 | 2355 | 30.06% |

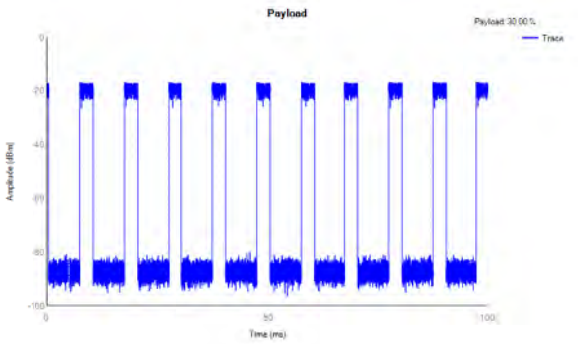

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## Duty Cycle

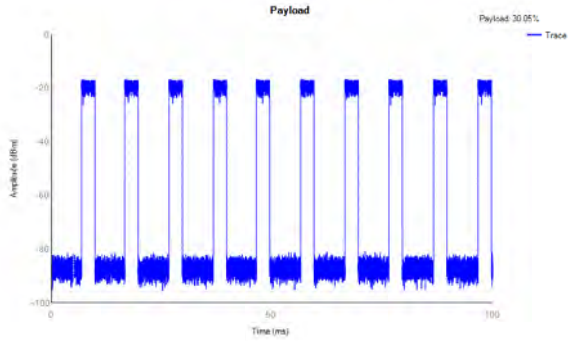
LTE Band 40 Subset 1 QPSK 5MHz CH-Low



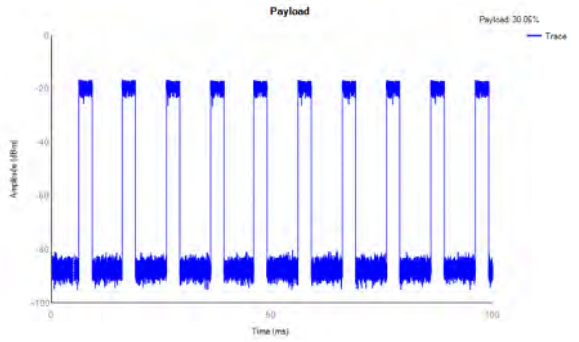

LTE Band 40 Subset 1 QPSK 10MHz




LTE Band 40 Subset 1 QPSK 5MHz CH-Middle



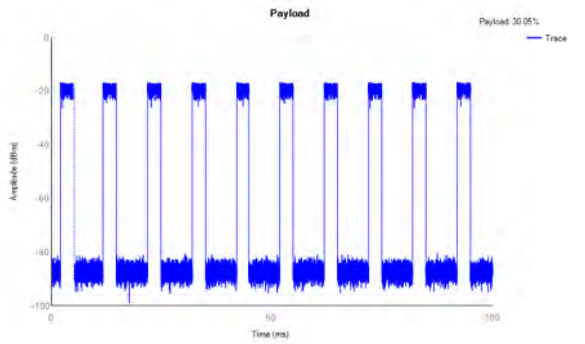

LTE Band 40 Subset 1 QPSK 5MHz CH-High



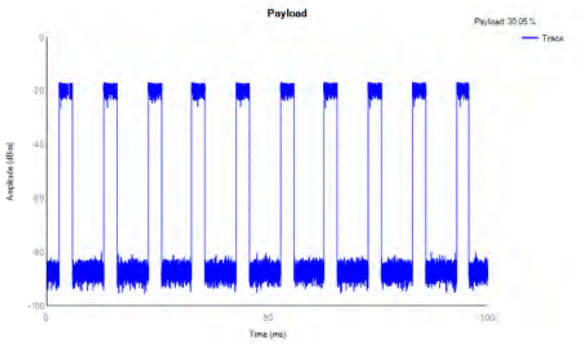


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

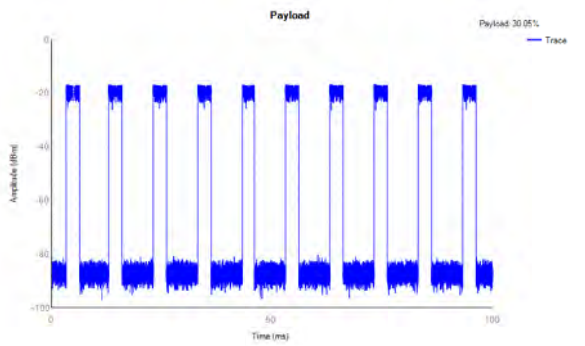
LTE Band 40 Subset 1 16QAM 5MHz CH-Low



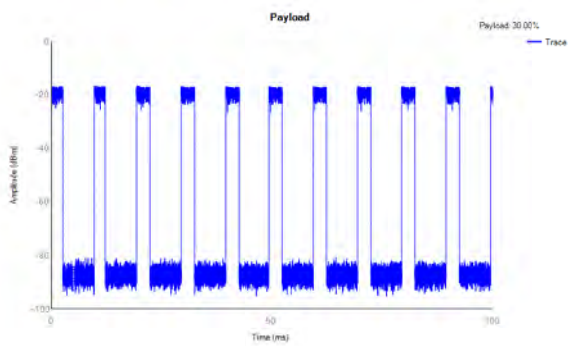

LTE Band 40 Subset 1 16QAM 10MHz




LTE Band 40 Subset 1 16QAM 5MHz CH-Middle



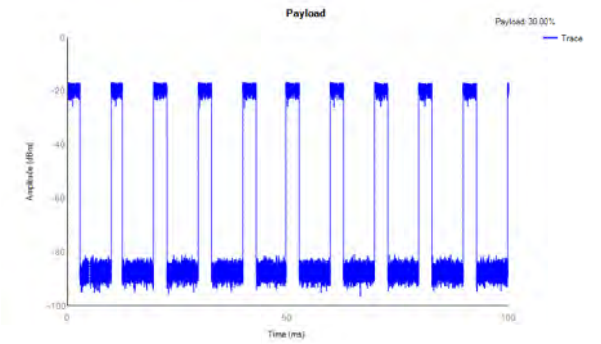

LTE Band 40 Subset 1 16QAM 5MHz CH-High



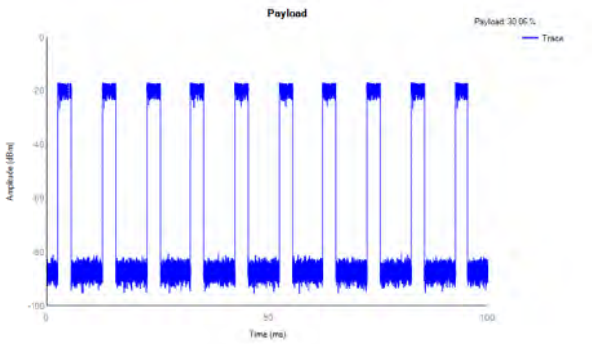


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

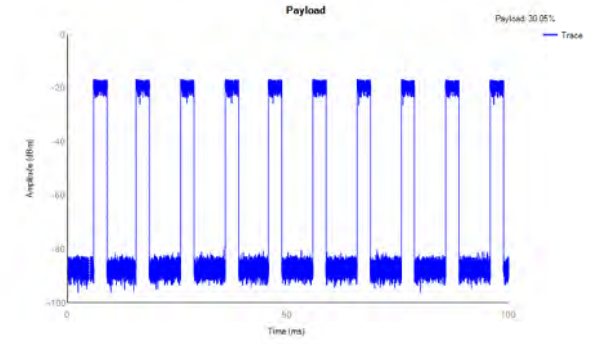
LTE Band 40 Subset 1 64QAM 5MHz CH-Low



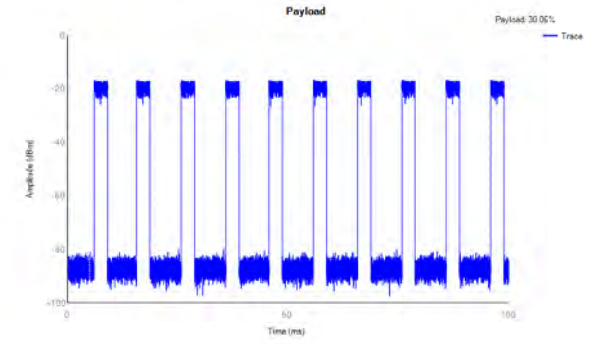

LTE Band 40 Subset 1 64QAM 10MHz




LTE Band 40 Subset 1 64QAM 5MHz CH-Middle



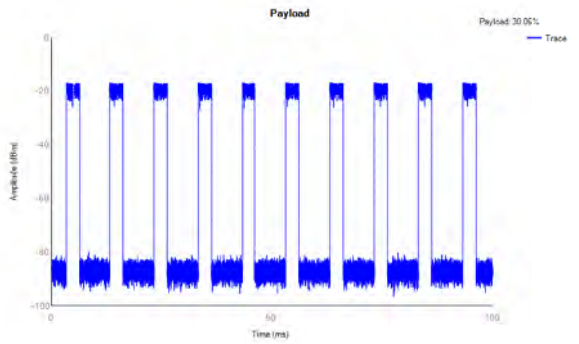

LTE Band 40 Subset 1 64QAM 5MHz CH-High



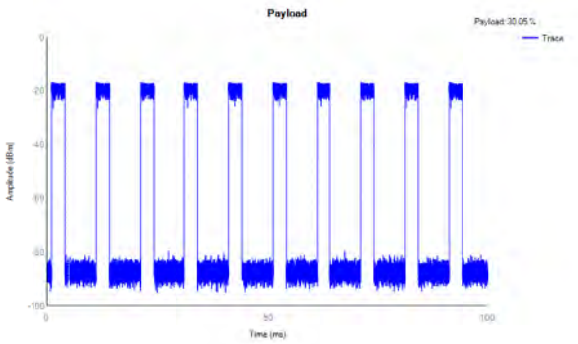


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

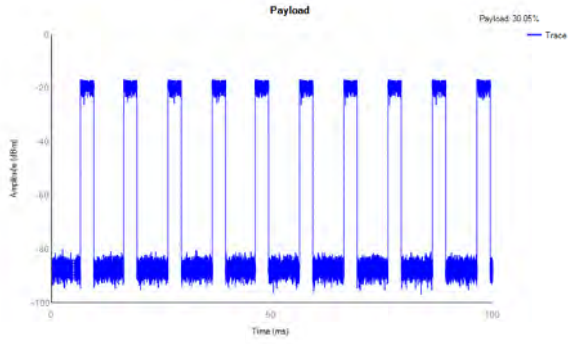
LTE Band 40 Subset 2 QPSK 5MHz CH-Low



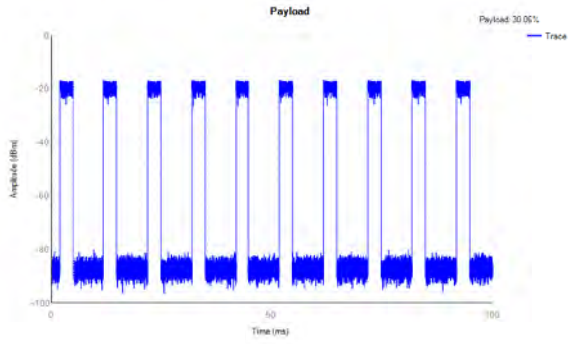

LTE Band 40 Subset 2 QPSK 10MHz




LTE Band 40 Subset 2 QPSK 5MHz CH-Middle



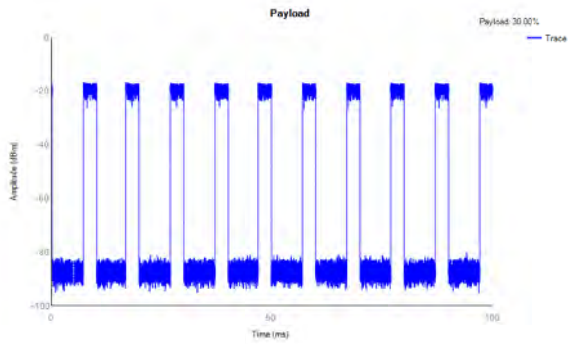

LTE Band 40 Subset 2 QPSK 5MHz CH-High



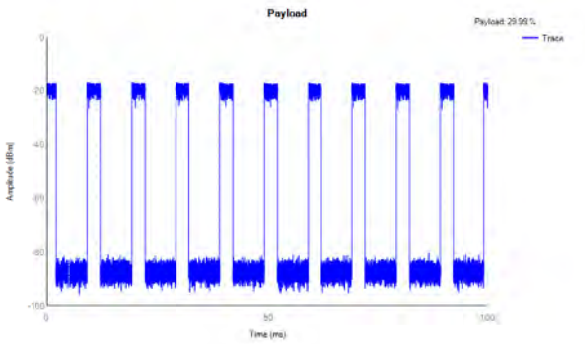


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

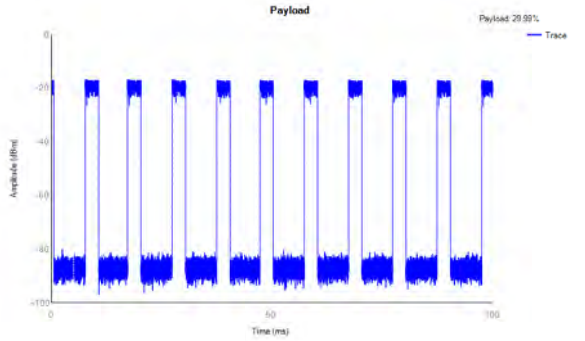
LTE Band 40 Subset 2 16QAM 5MHz CH-Low



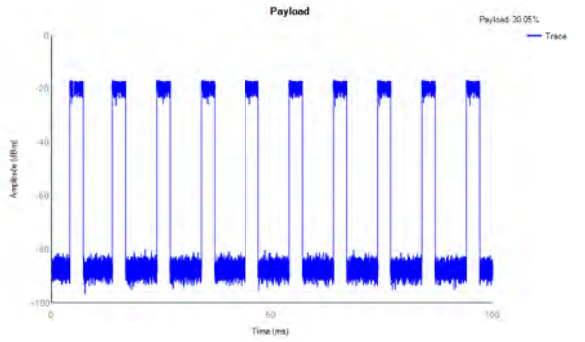

LTE Band 40 Subset 2 16QAM 10MHz




LTE Band 40 Subset 2 16QAM 5MHz CH-Middle



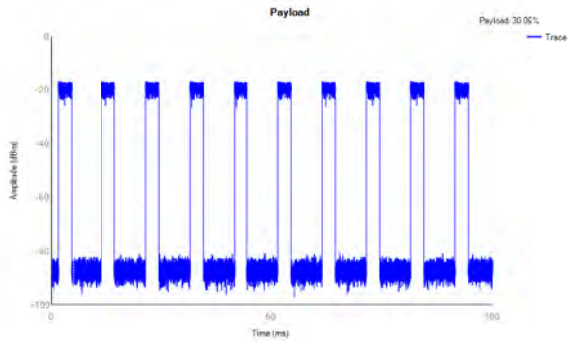

LTE Band 40 Subset 2 16QAM 5MHz CH-High



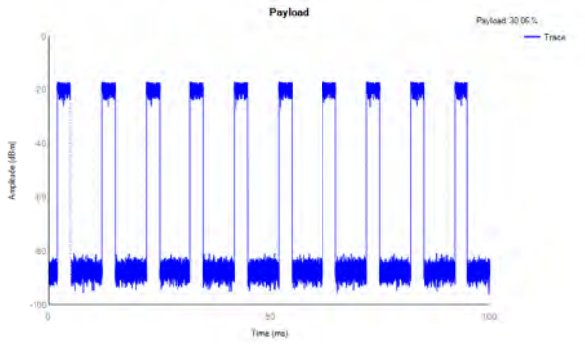


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

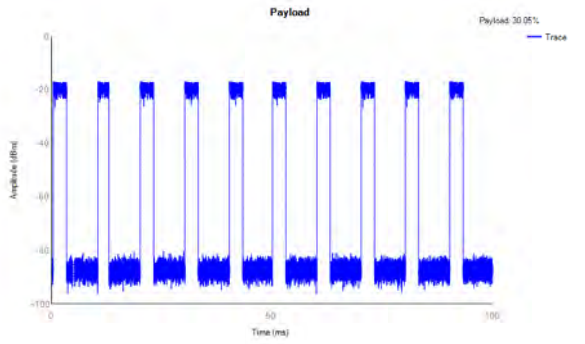
LTE Band 40 Subset 2 64QAM 5MHz CH-Low



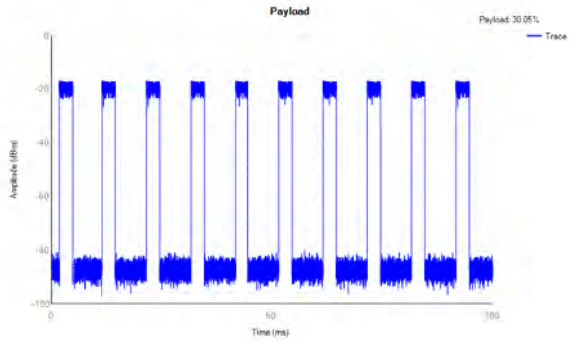

LTE Band 40 Subset 2 64QAM 10MHz




LTE Band 40 Subset 2 64QAM 5MHz CH-Middle




LTE Band 40 Subset 2 64QAM 5MHz CH-High





*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| LTE Band 40 Subset 1 Antenna1 | | | | Conducted Power Spectral Density (dBm/MHz) | | | EIRP Power Spectra Density (dBm/MHz) | | | EIRP Power Spectra Density (mW/MHz) | | | Limit (mW /MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 19.630 | 19.005 | 19.620 | 18.430 | 17.805 | 18.420 | 69.663 | 60.325 | 69.502 | 250 |
| | 16QAM | 25 | 0 | 18.647 | 19.892 | 20.144 | 17.447 | 18.692 | 18.944 | 55.552 | 73.995 | 78.415 | 250 |
| | 64QAM | 25 | 0 | 19.022 | 19.358 | 18.006 | 17.822 | 18.158 | 16.806 | 60.562 | 65.433 | 47.929 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 17.434 | | | 16.234 | | | 42.015 | | | 250 |
| | 16QAM | 50 | 0 | 17.007 | | | 15.807 | | | 38.080 | | | 250 |
| | 64QAM | 50 | 0 | 16.397 | | | 15.197 | | | 33.090 | | | 250 |

| LTE Band 40 Subset 1 Antenna 1 | | | | Conducted Power Spectral Density (dBm/5MHz) | | | EIRP Power Spectra Density (dBm/5MHz) | | | EIRP Power Spectra Density (mW/5MHz) | | | Limit (mW /5MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 21.503 | 21.501 | 21.566 | 20.303 | 20.301 | 20.366 | 107.226 | 107.177 | 108.793 | 250 |
| | 16QAM | 25 | 0 | 22.292 | 22.135 | 22.058 | 21.092 | 20.935 | 20.858 | 128.588 | 124.022 | 121.843 | 250 |
| | 64QAM | 50 | 0 | 21.071 | 21.348 | 21.803 | 19.871 | 20.148 | 20.603 | 97.073 | 103.467 | 114.895 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /5MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 20.321 | | | 19.121 | | | 81.677 | | | 250 |
| | 16QAM | 50 | 0 | 19.911 | | | 18.711 | | | 74.319 | | | 250 |
| | 64QAM | 50 | 0 | 19.220 | | | 18.020 | | | 63.387 | | | 250 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| LTE Band 40 Subset 1 Antenna 4 | | | | Conducted Power Spectral Density (dBm/MHz) | | | EIRP Power Spectra Density (dBm/MHz) | | | EIRP Power Spectra Density (mW/MHz) | | | Limit (mW/MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 19.630 | 19.005 | 19.620 | 17.730 | 17.105 | 17.720 | 59.293 | 51.345 | 59.156 | 250 |
| | 16QAM | 25 | 0 | 18.647 | 19.892 | 20.144 | 16.747 | 17.992 | 18.244 | 47.282 | 62.980 | 66.742 | 250 |
| | 64QAM | 25 | 0 | 19.022 | 19.358 | 18.006 | 17.122 | 17.458 | 16.106 | 51.547 | 55.693 | 40.794 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 17.434 | | | 15.534 | | | 35.760 | | | 250 |
| | 16QAM | 50 | 0 | 17.007 | | | 15.107 | | | 32.412 | | | 250 |
| | 64QAM | 50 | 0 | 16.397 | | | 14.497 | | | 28.164 | | | 250 |

| LTE Band 40 Subset 1 Antenna 4 | | | | Conducted Power Spectral Density (dBm/5MHz) | | | EIRP Power Spectra Density (dBm/5MHz) | | | EIRP Power Spectra Density (mW/5MHz) | | | Limit (mW /5MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 21.503 | 21.501 | 21.566 | 19.603 | 19.601 | 19.666 | 91.264 | 91.222 | 92.598 | 250 |
| | 16QAM | 25 | 0 | 22.292 | 22.135 | 22.058 | 20.392 | 20.235 | 20.158 | 109.446 | 105.560 | 103.705 | 250 |
| | 64QAM | 50 | 0 | 21.071 | 21.348 | 21.803 | 19.171 | 19.448 | 19.903 | 82.623 | 88.064 | 97.791 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /5MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 20.321 | | | 18.421 | | | 69.518 | | | 250 |
| | 16QAM | 50 | 0 | 19.911 | | | 18.011 | | | 63.256 | | | 250 |
| | 64QAM | 50 | 0 | 19.220 | | | 17.320 | | | 53.951 | | | 250 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| LTE Band 40 Subset 2 Antenna 1 | | | | Conducted Power Spectral Density (dBm/MHz) | | | EIRP Power Spectra Density (dBm/MHz) | | | EIRP Power Spectra Density (mW/MHz) | | | Limit (mW /MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 21.754 | 21.152 | 21.654 | 20.554 | 19.952 | 20.454 | 113.606 | 98.901 | 111.020 | 250 |
| | 16QAM | 25 | 0 | 20.672 | 21.969 | 22.039 | 19.472 | 20.769 | 20.839 | 88.552 | 119.371 | 121.311 | 250 |
| | 64QAM | 25 | 0 | 21.189 | 21.410 | 19.938 | 19.989 | 20.210 | 18.738 | 99.747 | 104.954 | 74.783 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 18.911 | | | 17.711 | | | 59.034 | | | 250 |
| | 16QAM | 50 | 0 | 18.776 | | | 17.576 | | | 57.227 | | | 250 |
| | 64QAM | 50 | 0 | 17.993 | | | 16.793 | | | 47.786 | | | 250 |

| LTE Band 40 Subset 2 Antenna 1 | | | | Conducted Power Spectral Density (dBm/5MHz) | | | EIRP Power Spectra Density (dBm/5MHz) | | | EIRP Power Spectra Density (mW/5MHz) | | | Limit (mW /5MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 23.620 | 23.604 | 23.781 | 22.420 | 22.404 | 22.581 | 174.582 | 173.940 | 181.176 | 250 |
| | 16QAM | 25 | 0 | 24.105 | 23.897 | 24.548 | 22.905 | 22.697 | 23.348 | 195.209 | 186.080 | 216.172 | 250 |
| | 64QAM | 50 | 0 | 23.506 | 23.184 | 23.926 | 22.306 | 21.984 | 22.726 | 170.059 | 157.906 | 187.327 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /5MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 22.241 | | | 21.041 | | | 127.087 | | | 250 |
| | 16QAM | 50 | 0 | 22.370 | | | 21.170 | | | 130.918 | | | 250 |
| | 64QAM | 50 | 0 | 21.662 | | | 20.462 | | | 111.224 | | | 250 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| LTE Band 40 Subset 2 Antenna 4 | | | | Conducted Power Spectral Density (dBm/MHz) | | | EIRP Power Spectra Density (dBm/MHz) | | | EIRP Power Spectra Density (mW/MHz) | | | Limit (mW /MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 21.754 | 21.152 | 21.654 | 19.854 | 19.252 | 19.754 | 96.694 | 84.178 | 94.493 | 250 |
| | 16QAM | 25 | 0 | 20.672 | 21.969 | 22.039 | 18.772 | 20.069 | 20.139 | 75.370 | 101.601 | 103.252 | 250 |
| | 64QAM | 25 | 0 | 21.189 | 21.410 | 19.938 | 19.289 | 19.510 | 18.038 | 84.898 | 89.331 | 63.650 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 18.911 | | | 17.011 | | | 50.246 | | | 250 |
| | 16QAM | 50 | 0 | 18.776 | | | 16.876 | | | 48.708 | | | 250 |
| | 64QAM | 50 | 0 | 17.993 | | | 16.093 | | | 40.672 | | | 250 |

| LTE Band 40 Subset 2 Antenna 4 | | | | Conducted Power Spectral Density (dBm/5MHz) | | | EIRP Power Spectra Density (dBm/5MHz) | | | EIRP Power Spectra Density (mW/5MHz) | | | Limit (mW /5MHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | |
| | | | | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | 38725/ 2307.5 | 38750/ 2310 | 38775/ 2312.5 | |
| 5MHz | QPSK | 25 | 0 | 23.620 | 23.604 | 23.781 | 21.720 | 21.704 | 21.881 | 148.594 | 148.047 | 154.206 | 250 |
| | 16QAM | 25 | 0 | 24.105 | 23.897 | 24.548 | 22.205 | 21.997 | 22.648 | 166.150 | 158.380 | 183.992 | 250 |
| | 64QAM | 50 | 0 | 23.506 | 23.184 | 23.926 | 21.606 | 21.284 | 22.026 | 144.744 | 134.400 | 159.441 | 250 |
| BW | Mddulation | RB size | RB offset | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Channel/Frequency (MHz) | | | Limit (mW /5MHz) |
| | | | | 38750/2310 | | | 38750/2310 | | | 38750/2310 | | | |
| 10MHz | QPSK | 50 | 0 | 22.241 | | | 20.341 | | | 108.168 | | | 250 |
| | 16QAM | 50 | 0 | 22.370 | | | 20.470 | | | 111.429 | | | 250 |
| | 64QAM | 50 | 0 | 21.662 | | | 19.762 | | | 94.667 | | | 250 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## Power Spectral Density (dBm/MHz)

LTE Band 40 Subset 1 QPSK 5MHz CH-Low


LTE Band 40 Subset 1 QPSK 10MHz

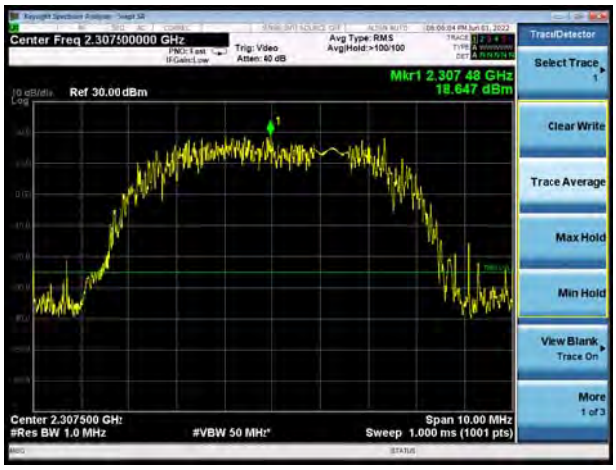

LTE Band 40 Subset 1 QPSK 5MHz CH-Middle


LTE Band 40 Subset 1 QPSK 5MHz CH-High

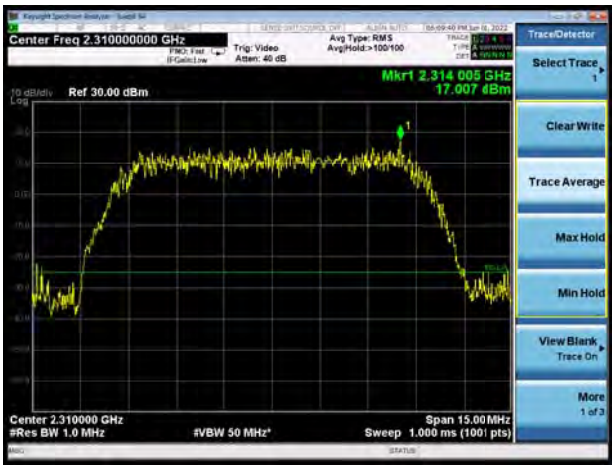


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 1 16QAM 5MHz CH-Low




LTE Band 40 Subset 1 16QAM 10MHz



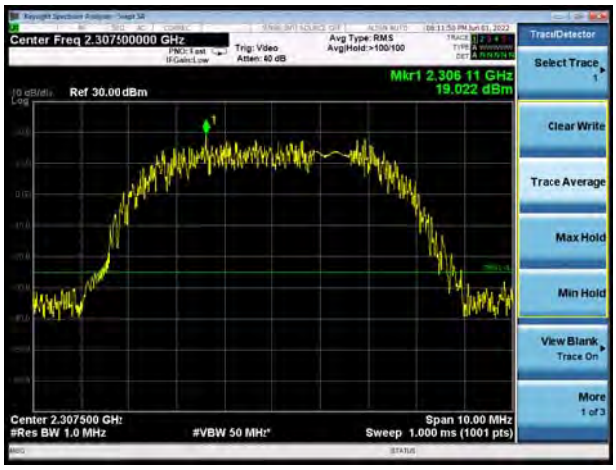

LTE Band 40 Subset 1 16QAM 5MHz CH-Middle


LTE Band 40 Subset 1 16QAM 5MHz CH-High

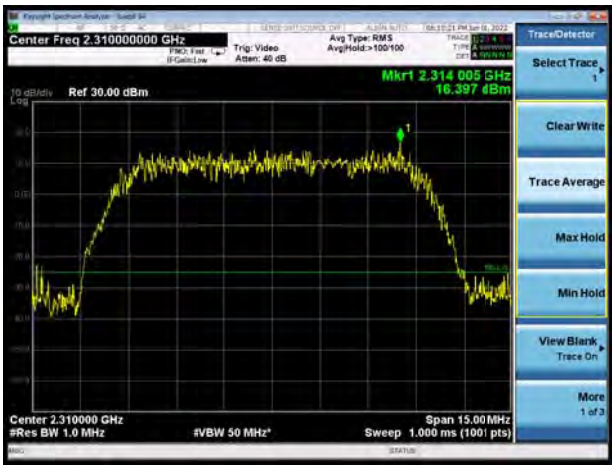


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 1 64QAM 5MHz CH-Low




LTE Band 40 Subset 1 64QAM 10MHz




LTE Band 40 Subset 1 64QAM 5MHz CH-Middle


LTE Band 40 Subset 1 64QAM 5MHz CH-High

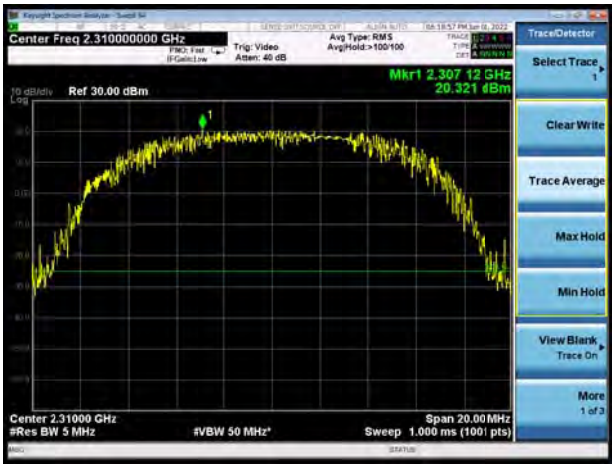


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

**Power Spectral Density (dBm/5MHz)**

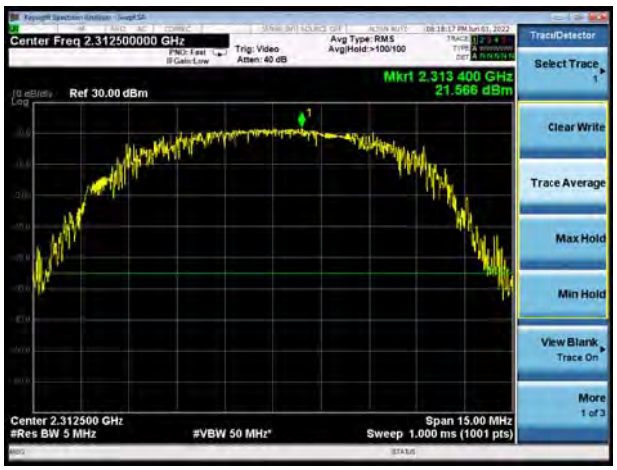
LTE Band 40 Subset 1 QPSK 5MHz CH-Low


LTE Band 40 Subset 1 QPSK 10MHz




LTE Band 40 Subset 1 QPSK 5MHz CH-Middle


LTE Band 40 Subset 1 QPSK 5MHz CH-High

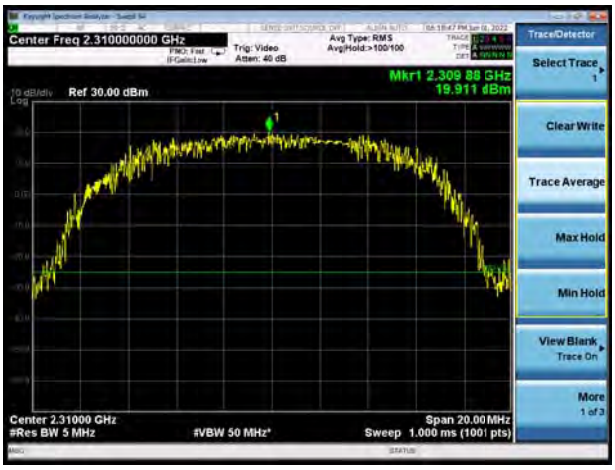




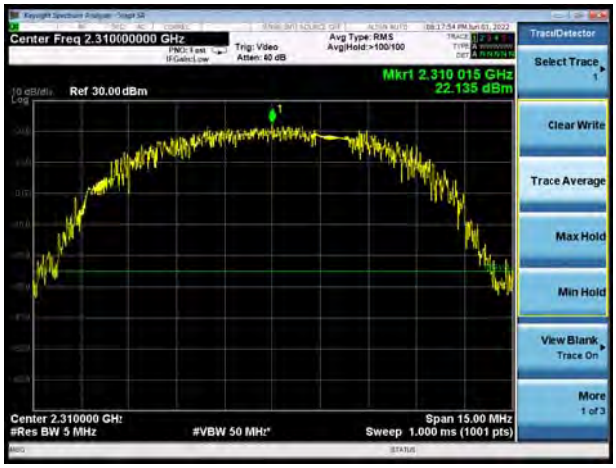
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 1 16QAM 5MHz CH-Low


LTE Band 40 Subset 1 16QAM 10MHz




LTE Band 40 Subset 1 16QAM 5MHz CH-Middle




LTE Band 40 Subset 1 16QAM 5MHz CH-High



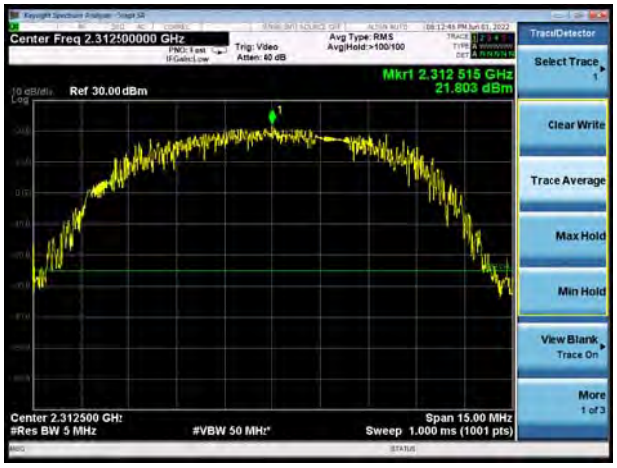
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 1 64QAM 5MHz CH-Low


LTE Band 40 Subset 1 64QAM 10MHz


LTE Band 40 Subset 1 64QAM 5MHz CH-Middle


LTE Band 40 Subset 1 64QAM 5MHz CH-High



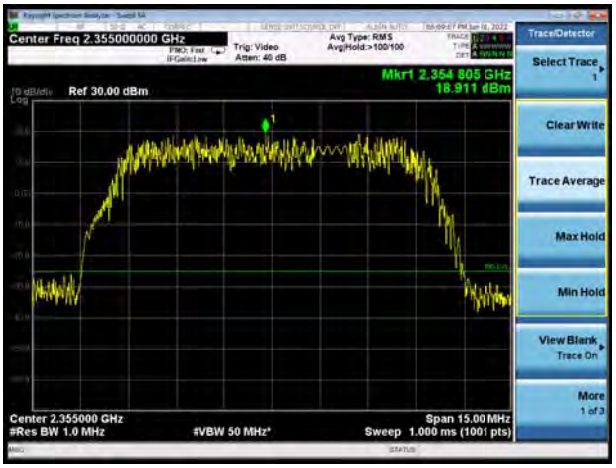


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

**Power Spectral Density (dBm/MHz)**

LTE Band 40 Subset 2 QPSK 5MHz CH-Low


LTE Band 40 Subset 2 QPSK 10MHz




LTE Band 40 Subset 2 QPSK 5MHz CH-Middle

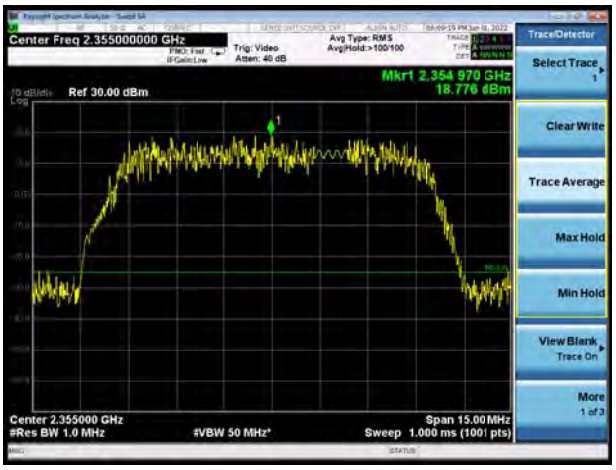

LTE Band 40 Subset 2 QPSK 5MHz CH-High



*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 2 16QAM 5MHz CH-Low


LTE Band 40 Subset 2 16QAM 10MHz




LTE Band 40 Subset 2 16QAM 5MHz CH-Middle

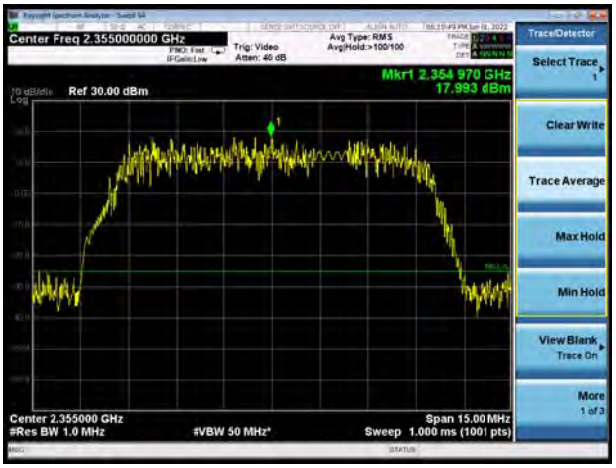

LTE Band 40 Subset 2 16QAM 5MHz CH-High



*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 2 64QAM 5MHz CH-Low


LTE Band 40 Subset 2 64QAM 10MHz




LTE Band 40 Subset 2 64QAM 5MHz CH-Middle


LTE Band 40 Subset 2 64QAM 5MHz CH-High

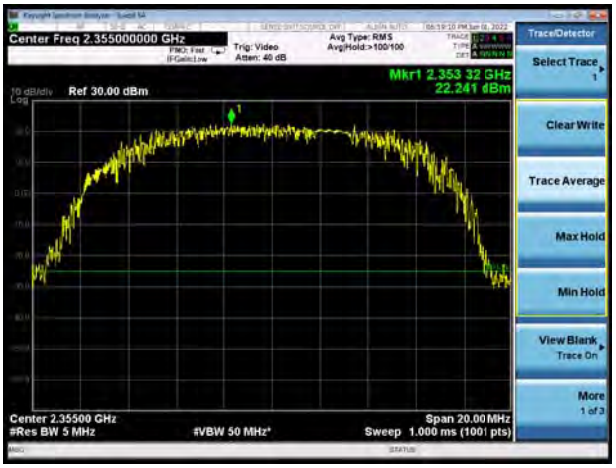


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

**Power Spectral Density (dBm/5MHz)**

LTE Band 40 Subset 2 QPSK 5MHz CH-Low


LTE Band 40 Subset 2 QPSK 10MHz




LTE Band 40 Subset 2 QPSK 5MHz CH-Middle

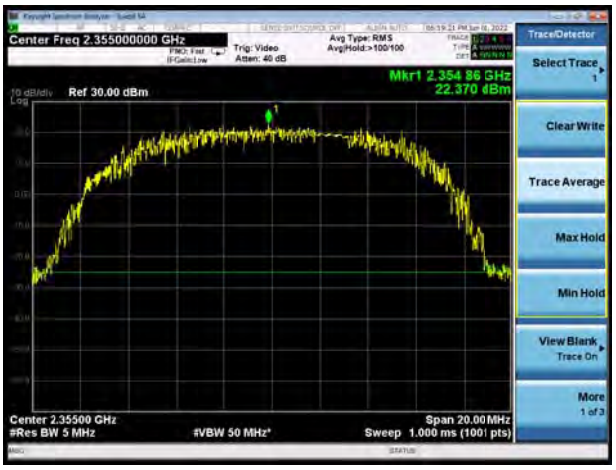

LTE Band 40 Subset 2 QPSK 5MHz CH-High



*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 2 16QAM 5MHz CH-Low


LTE Band 40 Subset 2 16QAM 10MHz




LTE Band 40 Subset 2 16QAM 5MHz CH-Middle

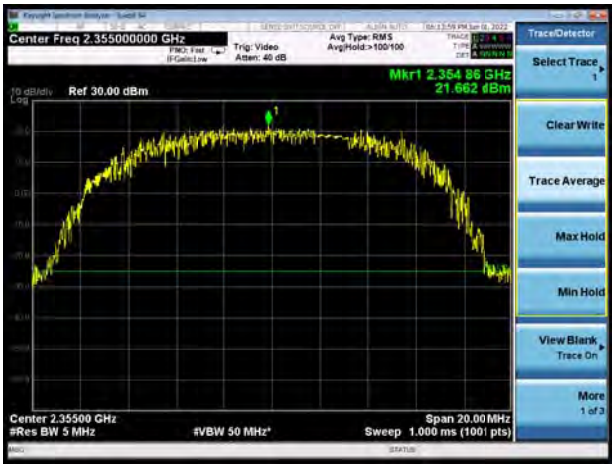

LTE Band 40 Subset 2 16QAM 5MHz CH-High



*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 2 64QAM 5MHz CH-Low


LTE Band 40 Subset 2 64QAM 10MHz




LTE Band 40 Subset 2 64QAM 5MHz CH-Middle


LTE Band 40 Subset 2 64QAM 5MHz CH-High



*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 6.2 Occupied Bandwidth

| LTE Band 40 Subset 1 | | | | | | |
|---|---|---|---|---|---|---|
| RB | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Power Bandwidth(MHz) | -26dBc Bandwidth(MHz) |
| 100% | QPSK | 5 | 38725 | 2307.5 | 4.518 | 5.001 |
| | | | 38750 | 2310 | 4.522 | 4.929 |
| | | | 38775 | 2312.5 | 4.519 | 4.895 |
| | | 10 | 38750 | 2310 | 8.993 | 9.778 |
| | 16QAM | 5 | 38725 | 2307.5 | 4.519 | 4.955 |
| | | | 38750 | 2310 | 4.501 | 4.886 |
| | | | 38775 | 2312.5 | 4.525 | 4.953 |
| | | 10 | 38750 | 2310 | 8.987 | 9.690 |
| | 64QAM | 5 | 38725 | 2307.5 | 4.499 | 5.012 |
| | | | 38750 | 2310 | 4.508 | 4.916 |
| | | | 38775 | 2312.5 | 4.510 | 4.904 |
| | | 10 | 38750 | 2310 | 8.990 | 9.818 |

| LTE Band 40 Subset 2 | | | | | | |
|---|---|---|---|---|---|---|
| RB | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Power Bandwidth(MHz) | -26dBc Bandwidth(MHz) |
| 100% | QPSK | 5 | 39175 | 2352.5 | 4.512 | 4.905 |
| | | | 39200 | 2355 | 4.502 | 4.929 |
| | | | 39225 | 2357.5 | 4.518 | 4.909 |
| | | 10 | 39200 | 2355 | 8.970 | 9.642 |
| | 16QAM | 5 | 39175 | 2352.5 | 4.509 | 5.616 |
| | | | 39200 | 2355 | 4.508 | 4.944 |
| | | | 39225 | 2357.5 | 4.504 | 4.918 |
| | | 10 | 39200 | 2355 | 8.978 | 9.801 |
| | 64QAM | 5 | 39175 | 2352.5 | 4.502 | 5.035 |
| | | | 39200 | 2355 | 4.495 | 4.885 |
| | | | 39225 | 2357.5 | 4.488 | 4.878 |
| | | 10 | 39200 | 2355 | 8.991 | 9.756 |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| LTE Band 41 | | | | | | |
|---|---|---|---|---|---|---|
| RB | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Power Bandwidth(MHz) | -26dBc Bandwidth(MHz) |
| 100% | QPSK | 5 | 39675 | 2498.5 | 4.497 | 4.883 |
| | | | 40620 | 2593 | 4.503 | 4.909 |
| | | | 41565 | 2687.5 | 4.515 | 4.960 |
| | | 10 | 39700 | 2501 | 8.998 | 9.747 |
| | | | 40620 | 2593 | 8.992 | 9.796 |
| | | | 41540 | 2685 | 8.995 | 10.177 |
| | | 15 | 39725 | 2503.5 | 13.448 | 14.407 |
| | | | 40620 | 2593 | 13.456 | 14.451 |
| | | | 41515 | 2682.5 | 13.451 | 14.357 |
| | | 20 | 39750 | 2506 | 17.961 | 19.610 |
| | | | 40620 | 2593 | 17.942 | 18.817 |
| | | | 41490 | 2680 | 17.937 | 20.210 |
| | 16QAM | 5 | 39675 | 2498.5 | 4.501 | 4.902 |
| | | | 40620 | 2593 | 4.511 | 4.950 |
| | | | 41565 | 2687.5 | 4.498 | 4.951 |
| | | 10 | 39700 | 2501 | 8.983 | 9.767 |
| | | | 40620 | 2593 | 8.979 | 9.689 |
| | | | 41540 | 2685 | 8.988 | 9.913 |
| | | 15 | 39725 | 2503.5 | 13.419 | 14.662 |
| | | | 40620 | 2593 | 13.444 | 14.787 |
| | | | 41515 | 2682.5 | 13.494 | 14.819 |
| | | 20 | 39750 | 2506 | 17.935 | 19.341 |
| | | | 40620 | 2593 | 17.927 | 19.930 |
| | | | 41490 | 2680 | 17.972 | 20.253 |
| | 64QAM | 5 | 39675 | 2498.5 | 4.522 | 4.870 |
| | | | 40620 | 2593 | 4.511 | 5.201 |
| | | | 41565 | 2687.5 | 4.522 | 4.896 |
| | | 10 | 39700 | 2501 | 8.957 | 9.635 |
| | | | 40620 | 2593 | 8.980 | 9.539 |
| | | | 41540 | 2685 | 9.014 | 9.731 |
| | | 15 | 39725 | 2503.5 | 13.459 | 14.401 |
| | | | 40620 | 2593 | 13.458 | 15.085 |
| | | | 41515 | 2682.5 | 13.487 | 14.626 |
| | | 20 | 39750 | 2506 | 17.876 | 19.202 |
| | | | 40620 | 2593 | 17.906 | 20.116 |
| | | | 41490 | 2680 | 17.986 | 19.657 |

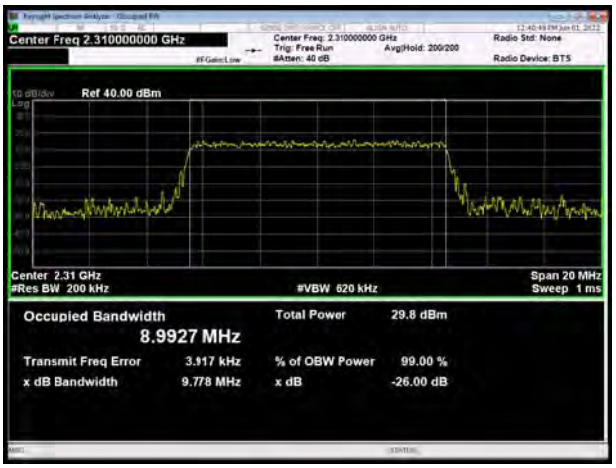

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| CA_41C | PCC | | SCC1 | | Bandwidth(MHz) | |
|---|---|---|---|---|---|---|
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | 99% Power Bandwidth (MHz) | -26dBc Bandwidth (MHz) |
| CA_41C_5MHz+20MHz_QPSK | 40528 | 2583.8 | 40645 | 2595.5 | 23.57 | 28.01 |
| CA_41C_5MHz+20MHz_16QAM | 40528 | 2583.8 | 40645 | 2595.5 | 23.42 | 26.45 |
| CA_41C_5MHz+20MHz_64QAM | 40528 | 2583.8 | 40645 | 2595.5 | 23.40 | 26.80 |
| CA_41C_20MHz+5MHz_QPSK | 40595 | 2590.5 | 40712 | 2602.2 | 23.40 | 27.98 |
| CA_41C_20MHz+5MHz_16QAM | 40595 | 2590.5 | 40712 | 2602.2 | 23.45 | 27.18 |
| CA_41C_20MHz+5MHz_64QAM | 40595 | 2590.5 | 40712 | 2602.2 | 23.33 | 26.76 |
| CA_41C_10MHz+20MHz_QPSK | 40526 | 2583.6 | 40670 | 2598 | 28.17 | 31.99 |
| CA_41C_10MHz+20MHz_16QAM | 40526 | 2583.6 | 40670 | 2598 | 28.17 | 33.04 |
| CA_41C_10MHz+20MHz_64QAM | 40526 | 2583.6 | 40670 | 2598 | 28.10 | 32.31 |
| CA_41C_20MHz+10MHz_QPSK | 40571 | 2588.1 | 40715 | 2602.5 | 28.15 | 31.57 |
| CA_41C_20MHz+10MHz_16QAM | 40571 | 2588.1 | 40715 | 2602.5 | 28.24 | 32.09 |
| CA_41C_20MHz+10MHz_64QAM | 40571 | 2588.1 | 40715 | 2602.5 | 28.10 | 32.01 |
| CA_41C_15MHz+15MHz_QPSK | 40545 | 2585.5 | 40695 | 2600.5 | 28.74 | 35.38 |
| CA_41C_15MHz+15MHz_16QAM | 40545 | 2585.5 | 40695 | 2600.5 | 28.78 | 33.82 |
| CA_41C_15MHz+15MHz_64QAM | 40545 | 2585.5 | 40695 | 2600.5 | 28.78 | 33.75 |
| CA_41C_15MHz+20MHz_QPSK | 40523 | 2583.3 | 40694 | 2600.4 | 32.98 | 39.36 |
| CA_41C_15MHz+20MHz_16QAM | 40523 | 2583.3 | 40694 | 2600.4 | 33.03 | 38.77 |
| CA_41C_15MHz+20MHz_64QAM | 40523 | 2583.3 | 40694 | 2600.4 | 32.97 | 39.93 |
| CA_41C_20MHz+15MHz_QPSK | 40546 | 2585.6 | 40717 | 2602.7 | 33.03 | 38.18 |
| CA_41C_20MHz+15MHz_16QAM | 40546 | 2585.6 | 40717 | 2602.7 | 33.10 | 38.54 |
| CA_41C_20MHz+15MHz_64QAM | 40546 | 2585.6 | 40717 | 2602.7 | 33.00 | 37.67 |
| CA_41C_20MHz+20MHz_QPSK | 40521 | 2583.1 | 40719 | 2602.9 | 37.85 | 42.67 |
| CA_41C_20MHz+20MHz_16QAM | 40521 | 2583.1 | 40719 | 2602.9 | 37.97 | 42.72 |
| CA_41C_20MHz+20MHz_64QAM | 40521 | 2583.1 | 40719 | 2602.9 | 37.81 | 43.20 |

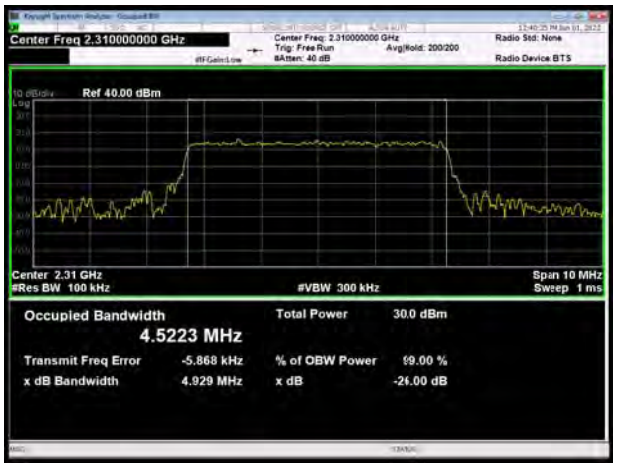

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 1 QPSK 5MHz CH-Low

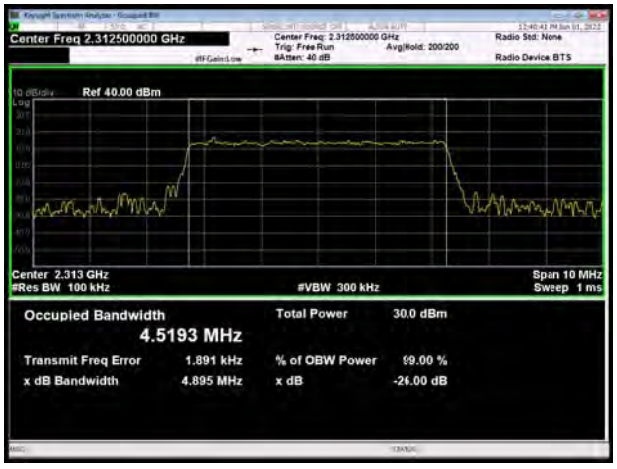

LTE Band 40 Subset 1 QPSK 10MHz




LTE Band 40 Subset 1 QPSK 5MHz CH-Middle




LTE Band 40 Subset 1 QPSK 5MHz CH-High

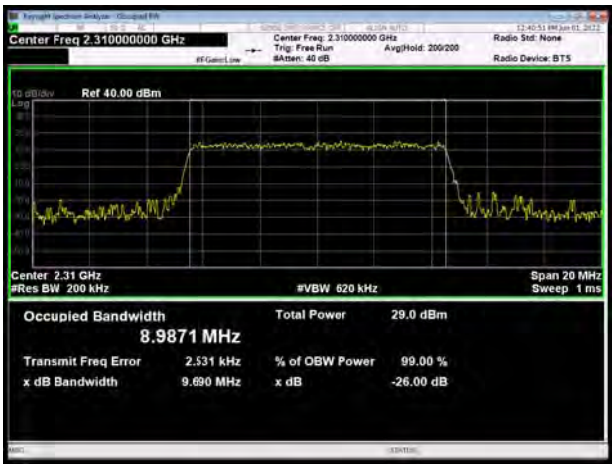




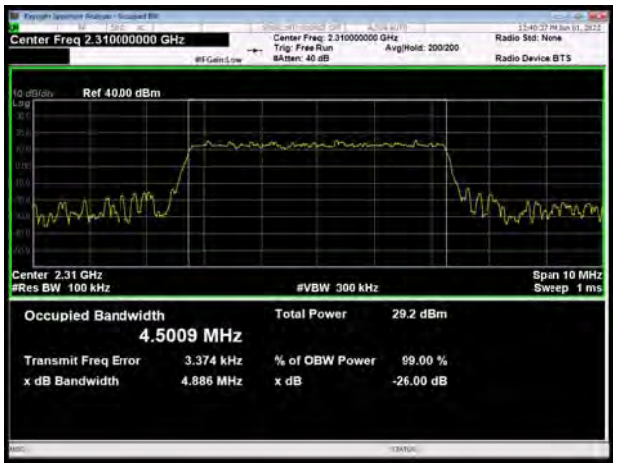
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 1 16QAM 5MHz CH-Low

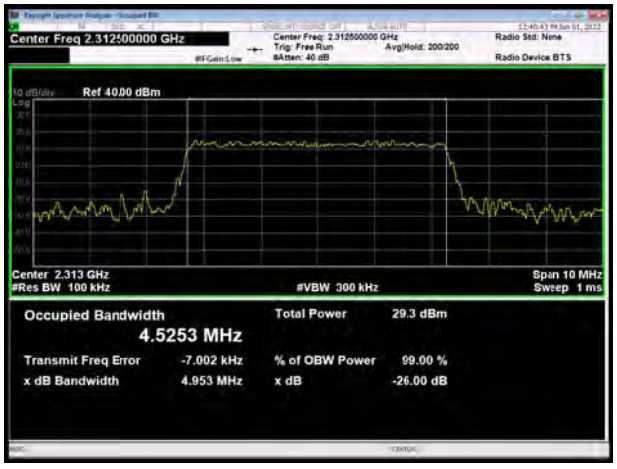

LTE Band 40 Subset 1 16QAM 10MHz




LTE Band 40 Subset 1 16QAM 5MHz CH-Middle




LTE Band 40 Subset 1 16QAM 5MHz CH-High

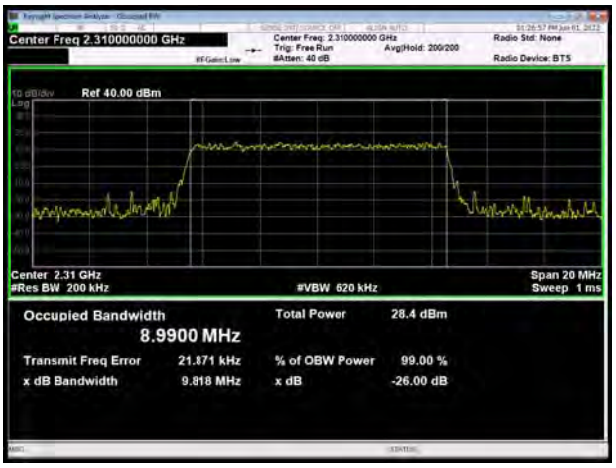




*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

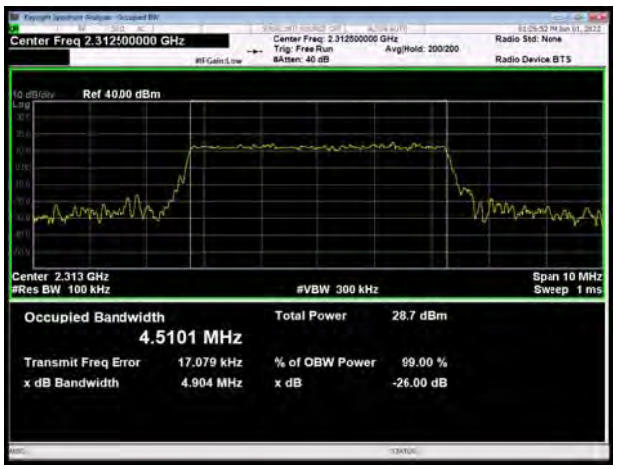
LTE Band 40 Subset 1 64QAM 5MHz CH-Low


LTE Band 40 Subset 1 64QAM 10MHz




LTE Band 40 Subset 1 64QAM 5MHz CH-Middle


LTE Band 40 Subset 1 64QAM 5MHz CH-High

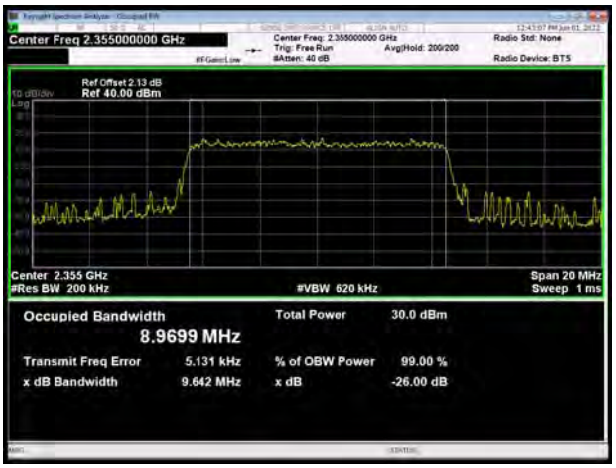




*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

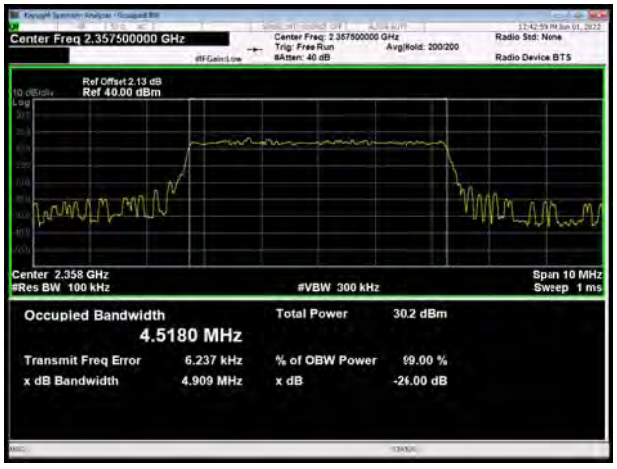
LTE Band 40 Subset 2 QPSK 5MHz CH-Low


LTE Band 40 Subset 2 QPSK 10MHz




LTE Band 40 Subset 2 QPSK 5MHz CH-Middle


LTE Band 40 Subset 2 QPSK 5MHz CH-High

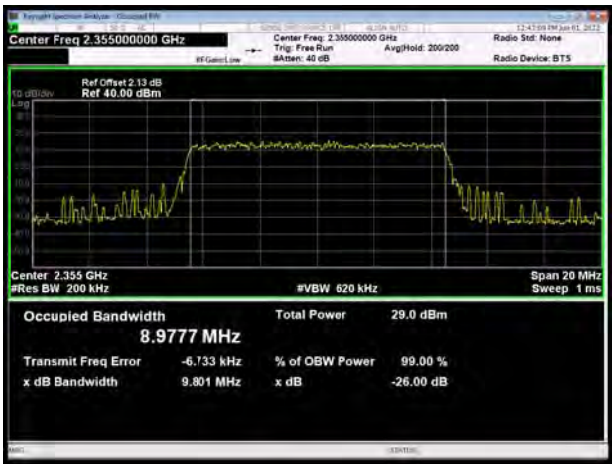




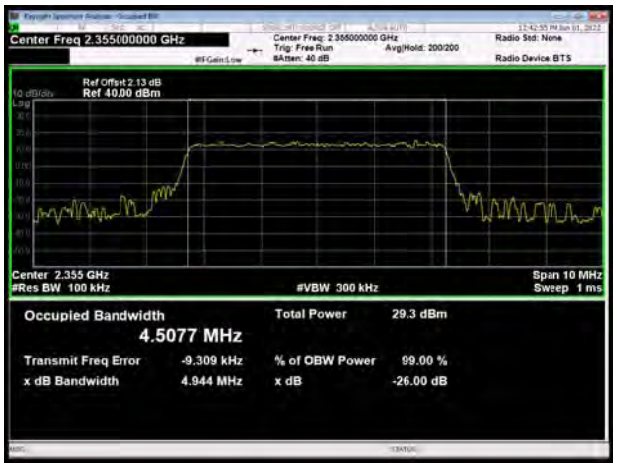
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 40 Subset 2 16QAM 5MHz CH-Low

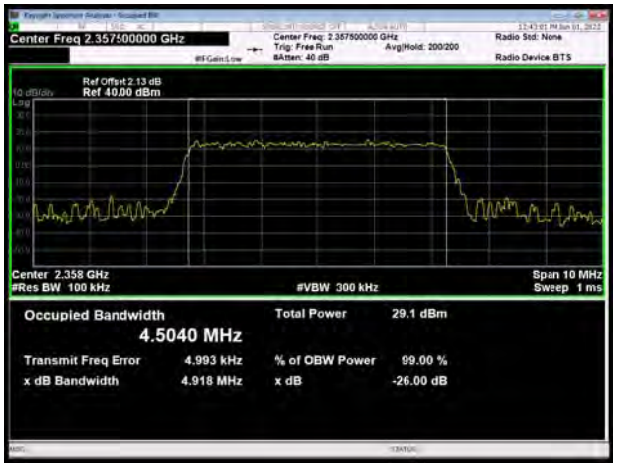

LTE Band 40 Subset 2 16QAM 10MHz




LTE Band 40 Subset 2 16QAM 5MHz CH-Middle



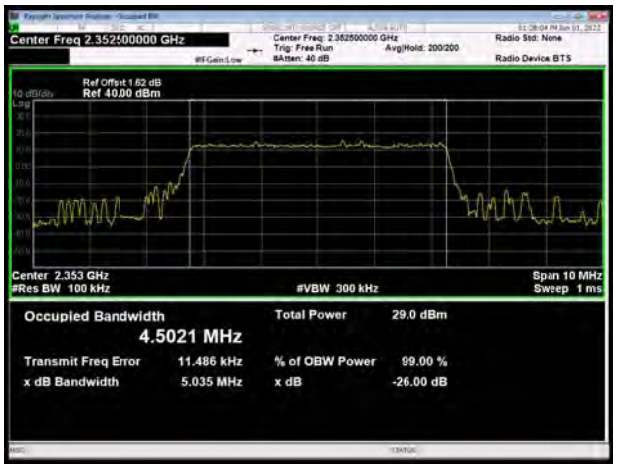

LTE Band 40 Subset 2 16QAM 5MHz CH-High



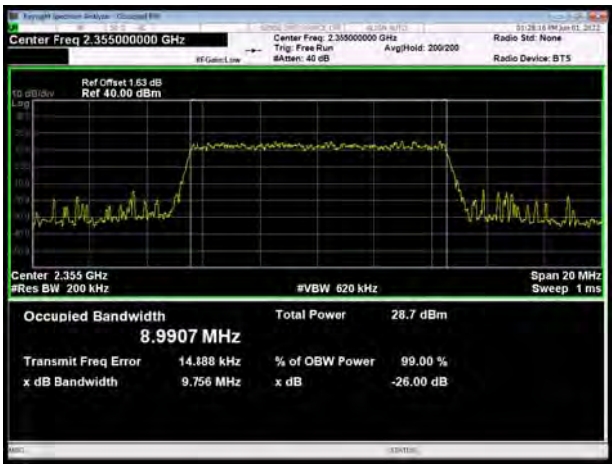


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

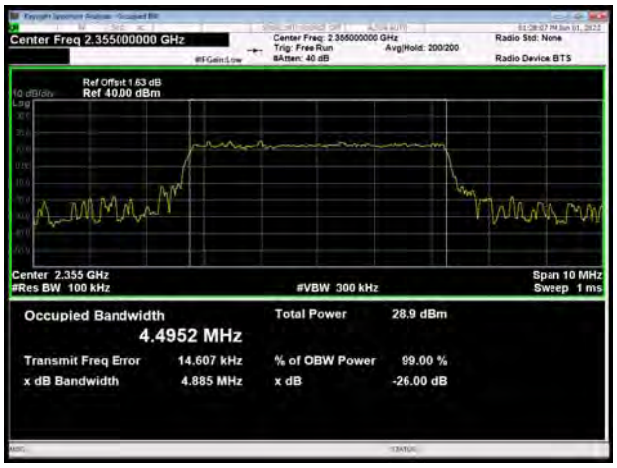
LTE Band 40 Subset 2 64QAM 5MHz CH-Low



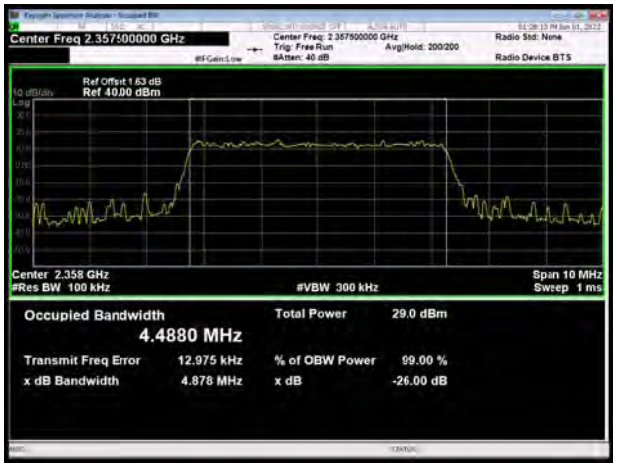

LTE Band 40 Subset 2 64QAM 10MHz




LTE Band 40 Subset 2 64QAM 5MHz CH-Middle



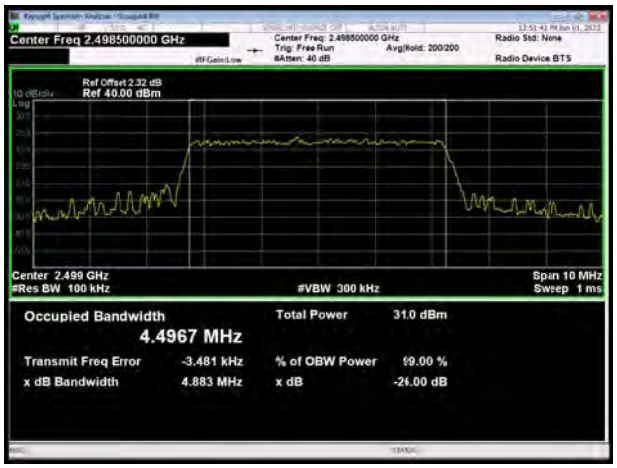

LTE Band 40 Subset 2 64QAM 5MHz CH-High



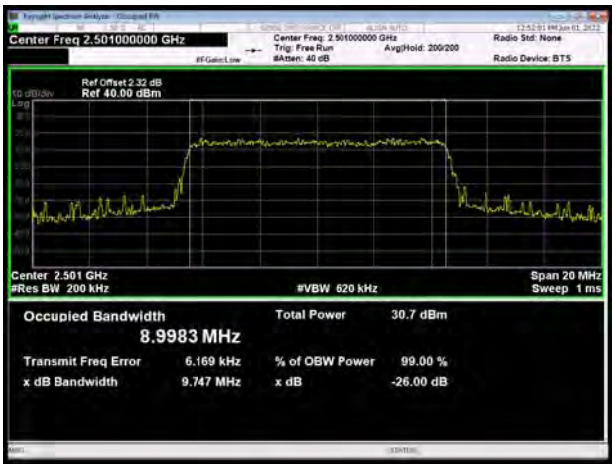


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

LTE Band 41 QPSK 5MHz CH-Low

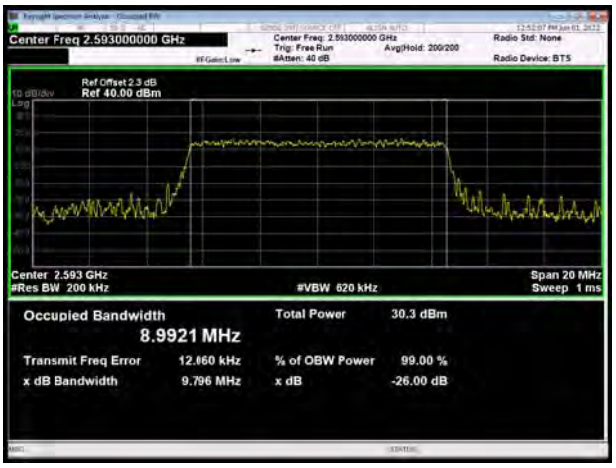



LTE Band 41 QPSK 10MHz CH-Low

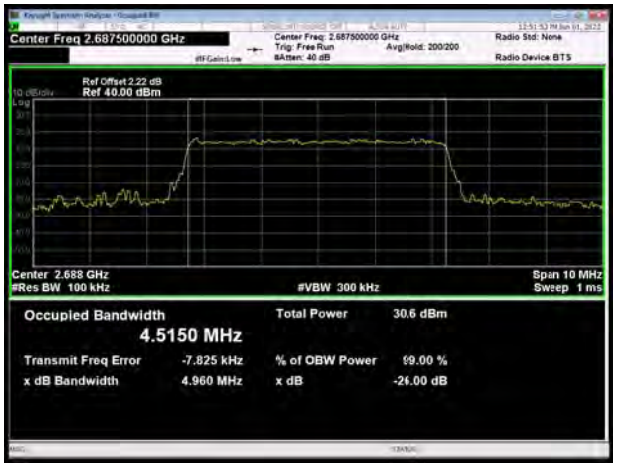



LTE Band 41 QPSK 5MHz CH-Middle

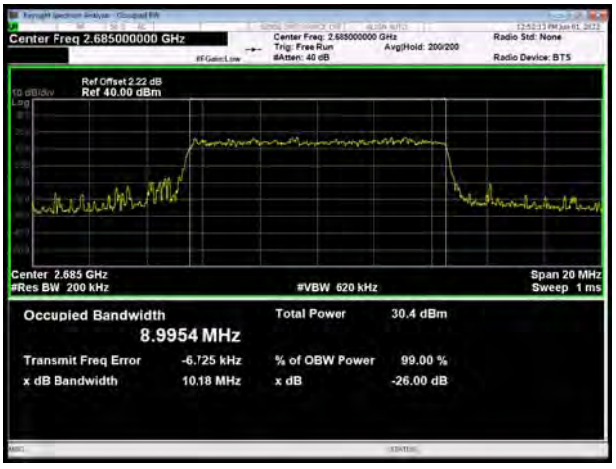

LTE Band 41 QPSK 10MHz CH-Middle




LTE Band 41 QPSK 5MHz CH-High



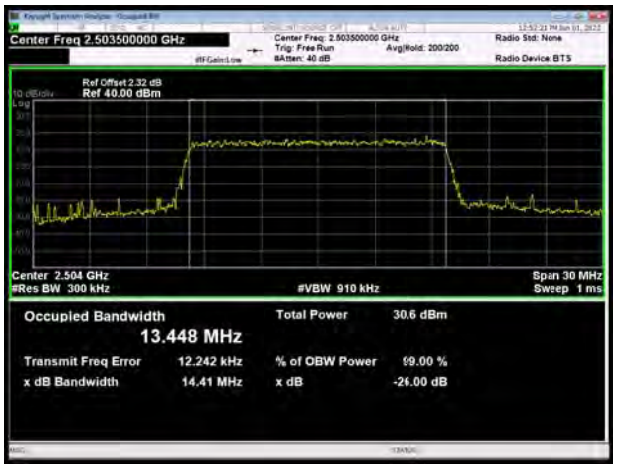

LTE Band 41 QPSK 10MHz CH-High



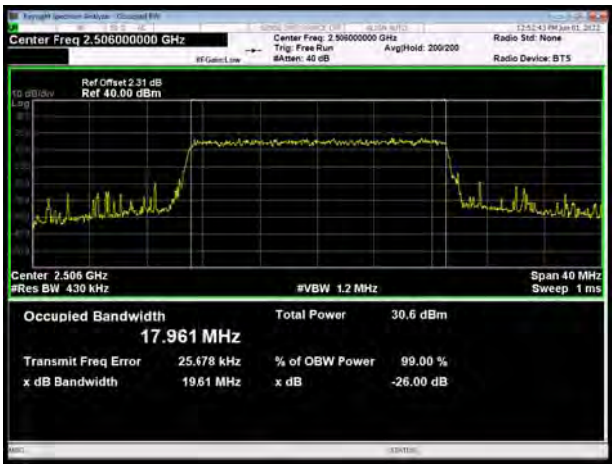


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

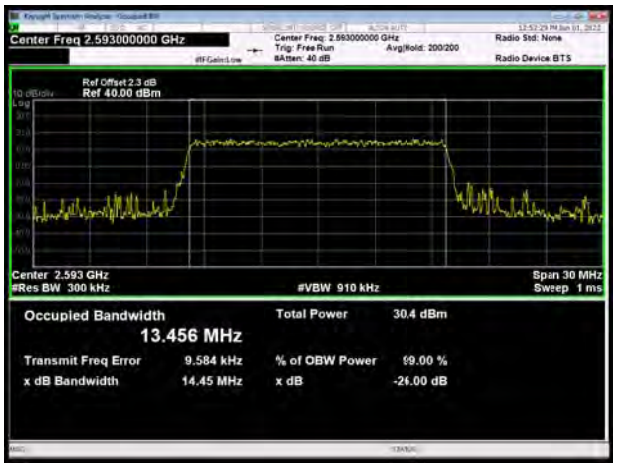
LTE Band 41 QPSK 15MHz CH-Low



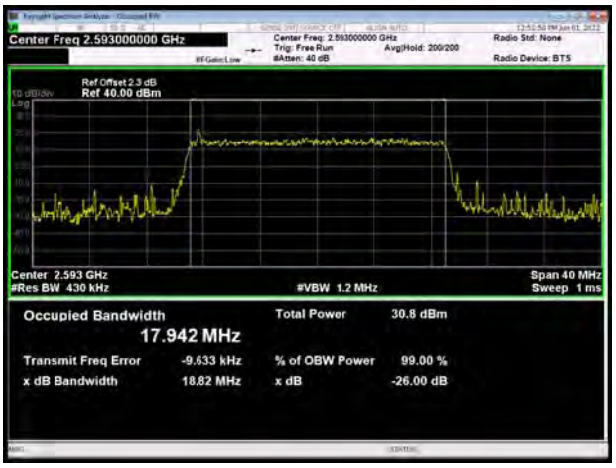

LTE Band 41 QPSK 20MHz CH-Low




LTE Band 41 QPSK 15MHz CH-Middle

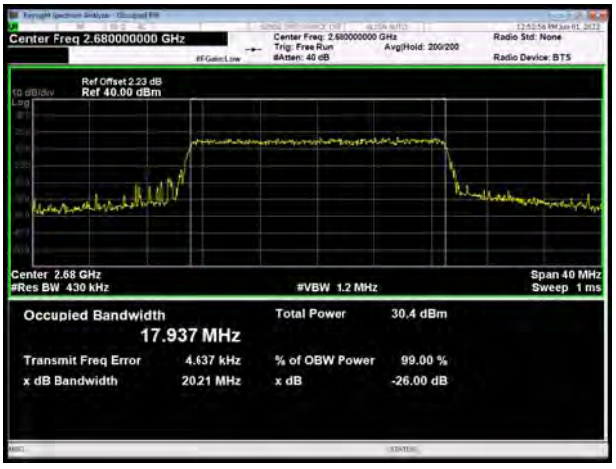



LTE Band 41 QPSK 20MHz CH-Middle




LTE Band 41 QPSK 15MHz CH-High


LTE Band 41 QPSK 20MHz CH-High

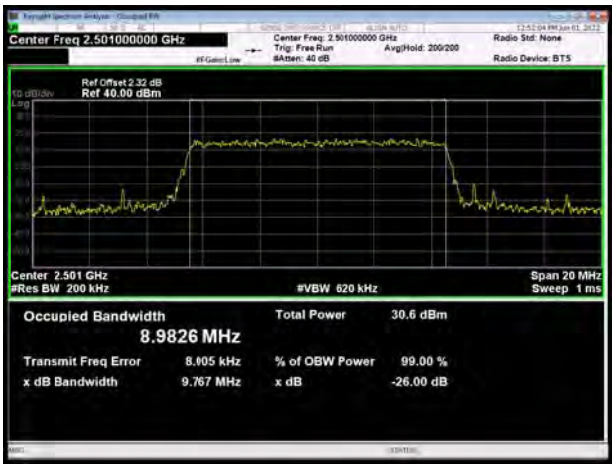




*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

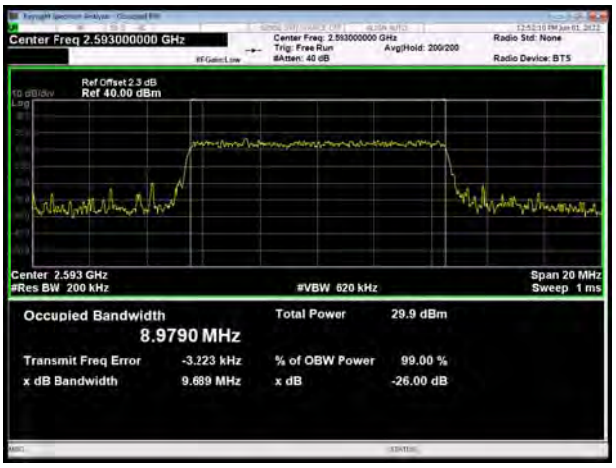
LTE Band 41 16QAM 5MHz CH-Low


LTE Band 41 16QAM 10MHz CH-Low

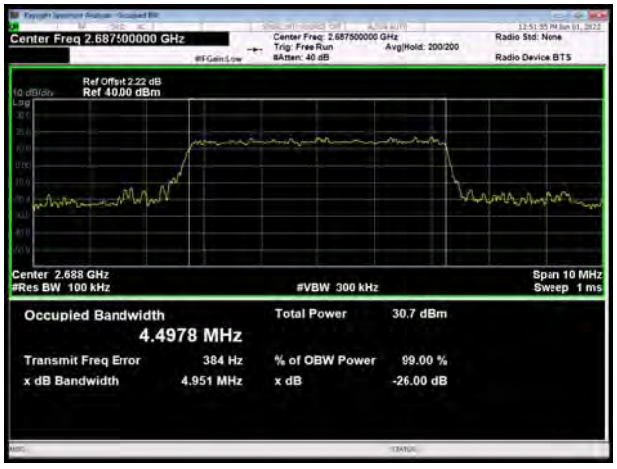



LTE Band 41 16QAM 5MHz CH-Middle

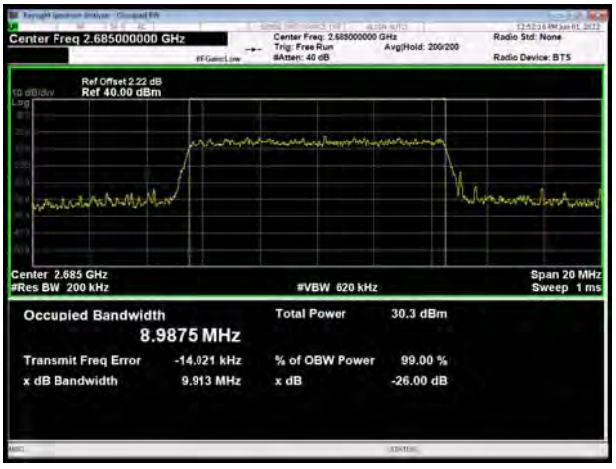

LTE Band 41 16QAM 10MHz CH-Middle




LTE Band 41 16QAM 5MHz CH-High



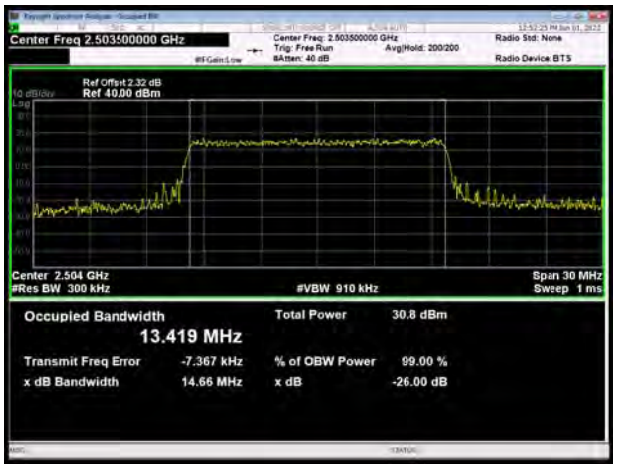

LTE Band 41 16QAM 10MHz CH-High



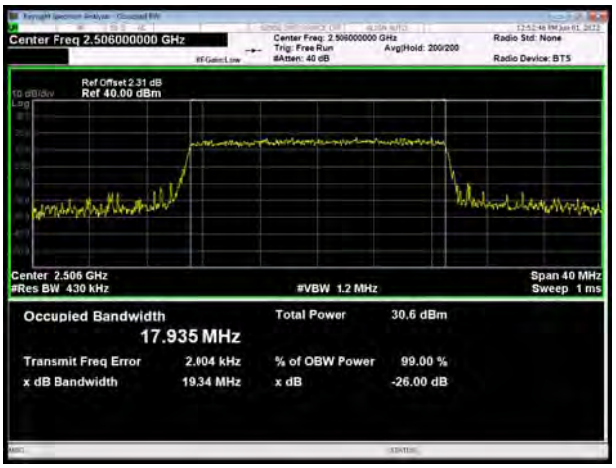


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

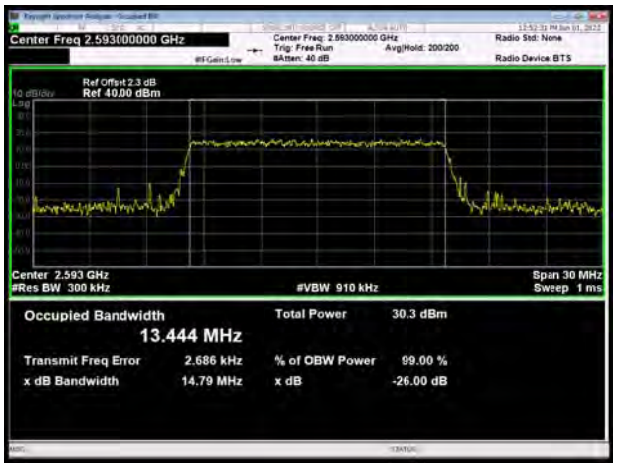
LTE Band 41 16QAM 15MHz CH-Low



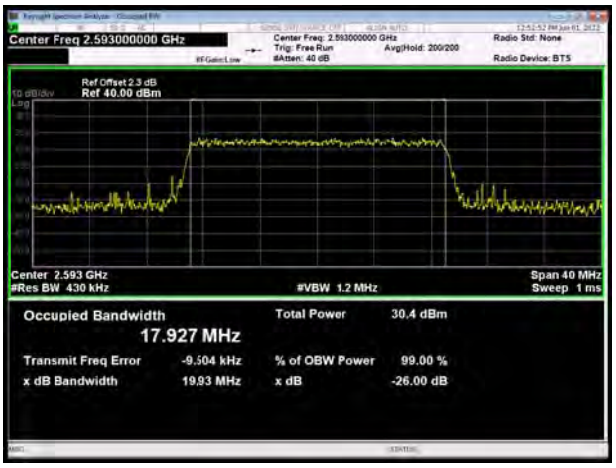

LTE Band 41 16QAM 20MHz CH-Low




LTE Band 41 16QAM 15MHz CH-Middle

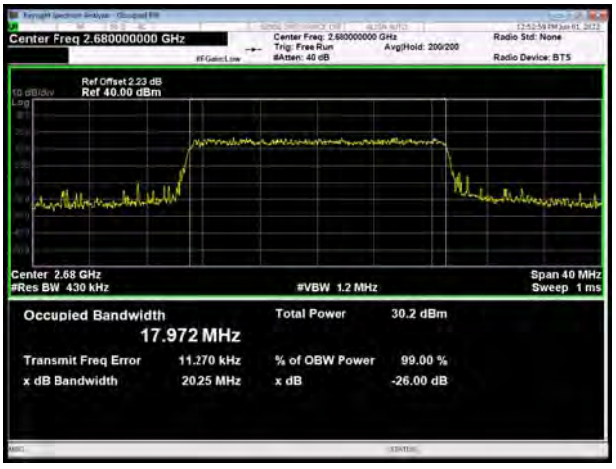



LTE Band 41 16QAM 20MHz CH-Middle




LTE Band 41 16QAM 15MHz CH-High

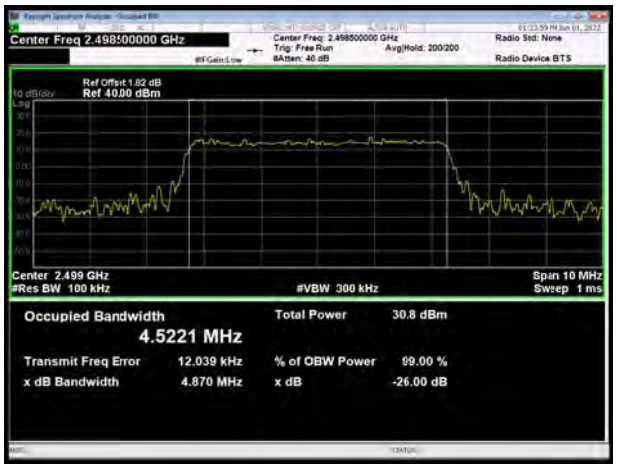

LTE Band 41 16QAM 20MHz CH-High



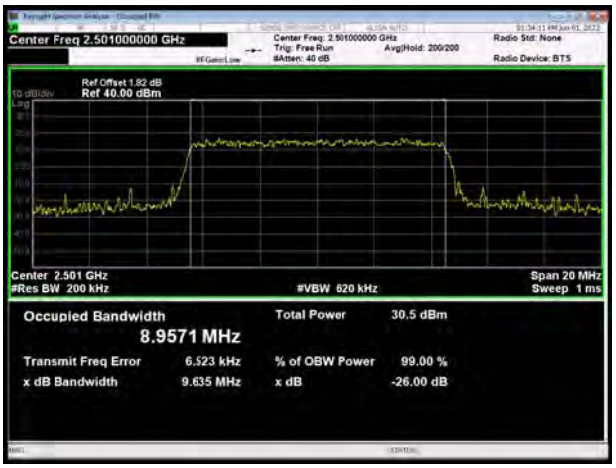


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

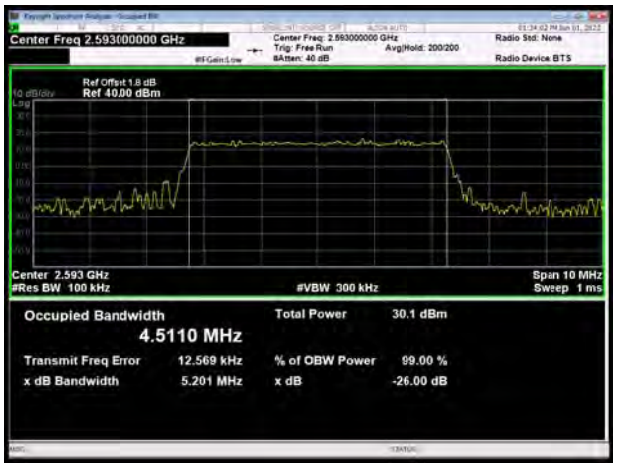
LTE Band 41 64QAM 5MHz CH-Low



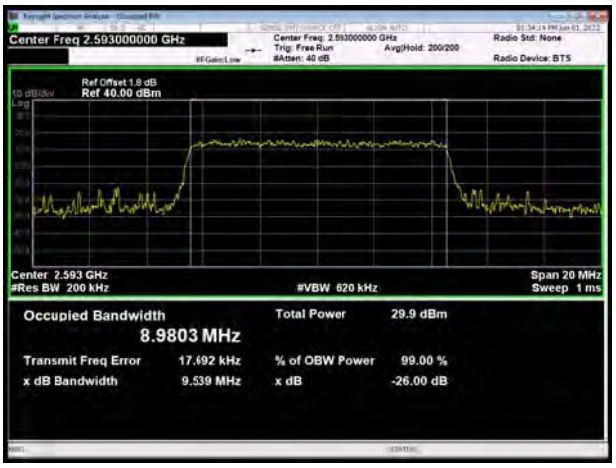

LTE Band 41 64QAM 10MHz CH-Low




LTE Band 41 64QAM 5MHz CH-Middle

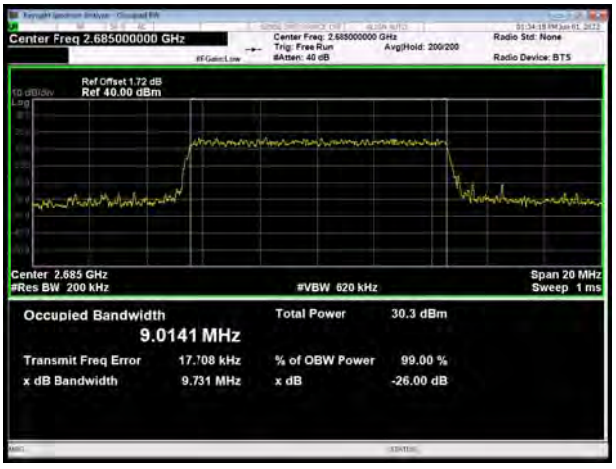



LTE Band 41 64QAM 10MHz CH-Middle




LTE Band 41 64QAM 5MHz CH-High

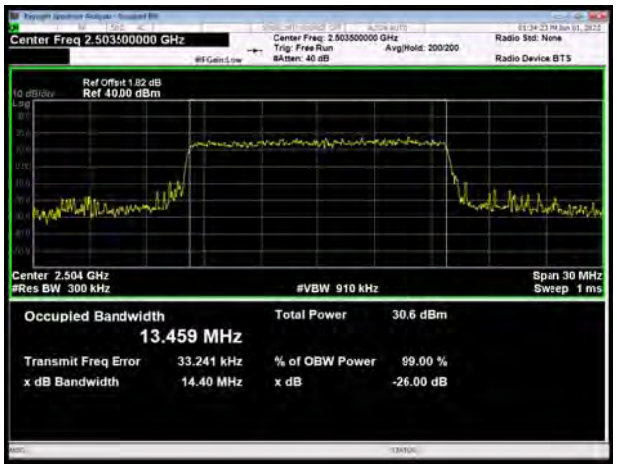

LTE Band 41 64QAM 10MHz CH-High



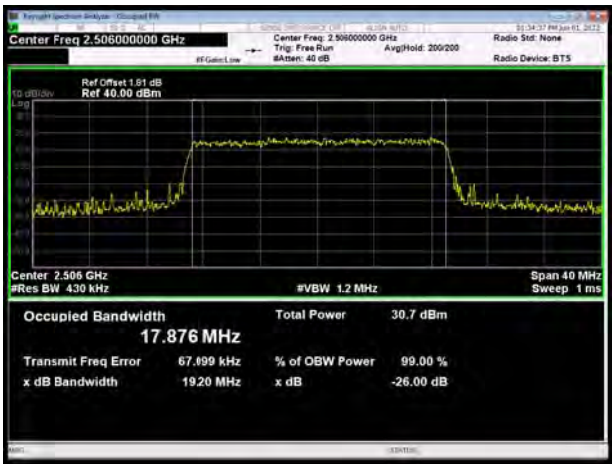


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

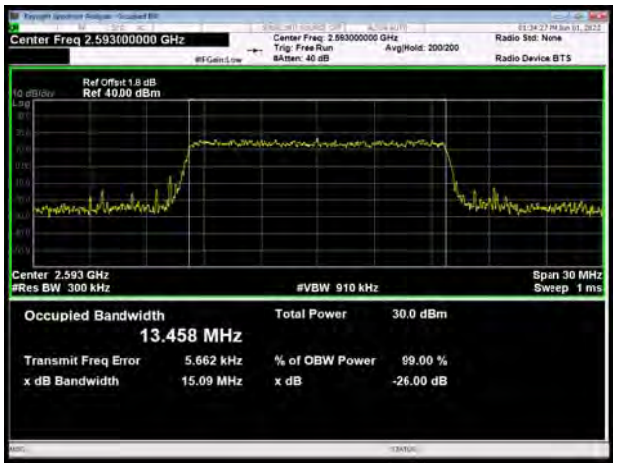
LTE Band 41 64QAM 15MHz CH-Low



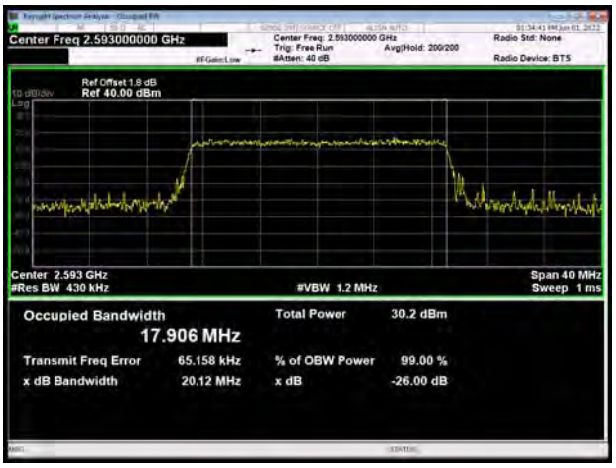

LTE Band 41 64QAM 20MHz CH-Low



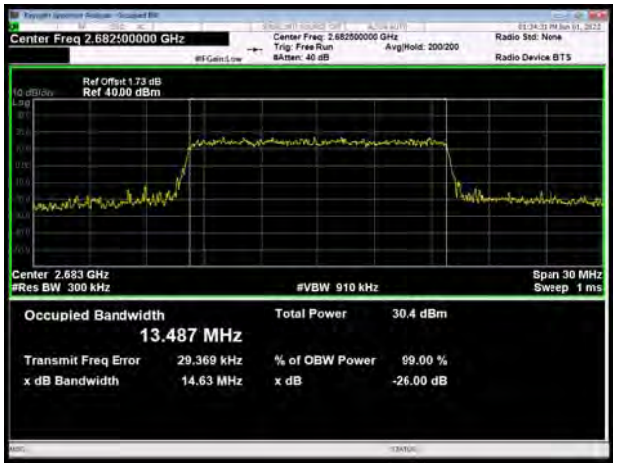

LTE Band 41 64QAM 15MHz CH-Middle



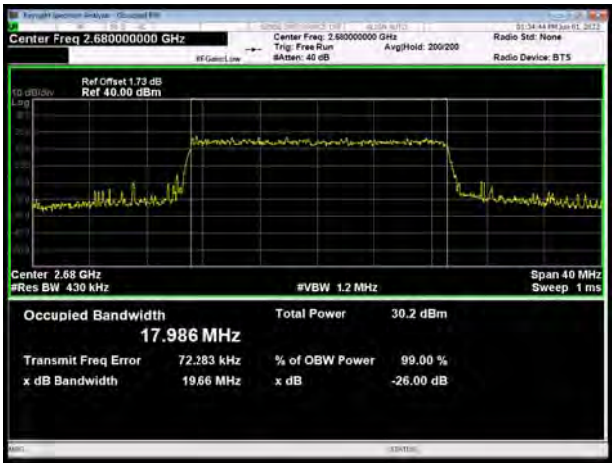

LTE Band 41 64QAM 20MHz CH-Middle




LTE Band 41 64QAM 15MHz CH-High




LTE Band 41 64QAM 20MHz CH-High





*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

CA_41C QPSK 5MHz +20MHz

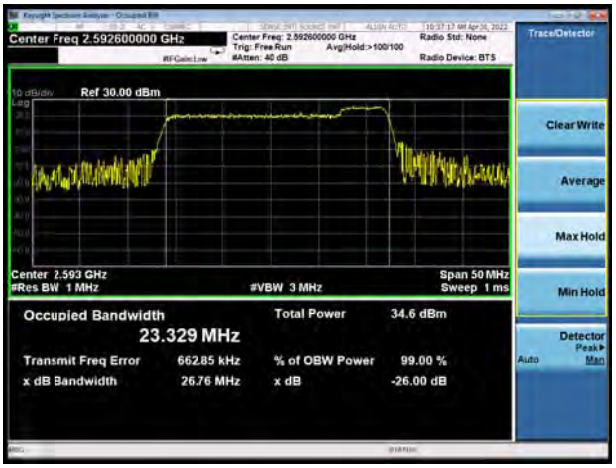

CA_41C QPSK 20MHz +5MHz


CA_41C 16QAM 5MHz +20MHz


CA_41C 16QAM 20MHz +5MHz


CA_41C 64QAM 5MHz +20MHz


CA_41C 64QAM 20MHz +5MHz

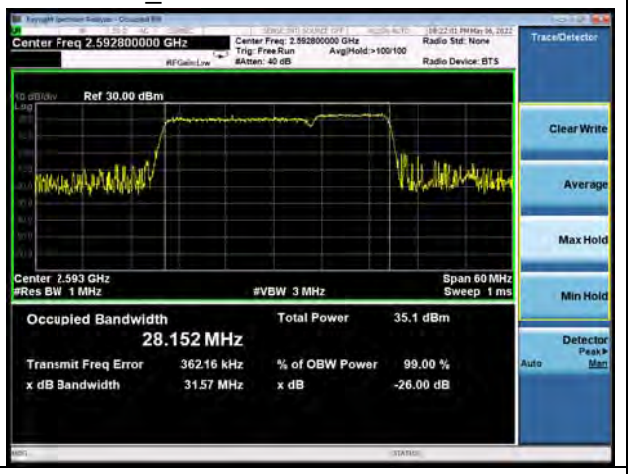




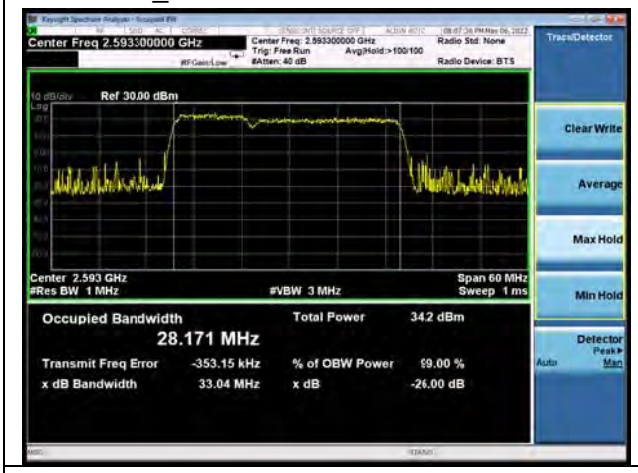
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

CA_41C QPSK 10MHz +20MHz

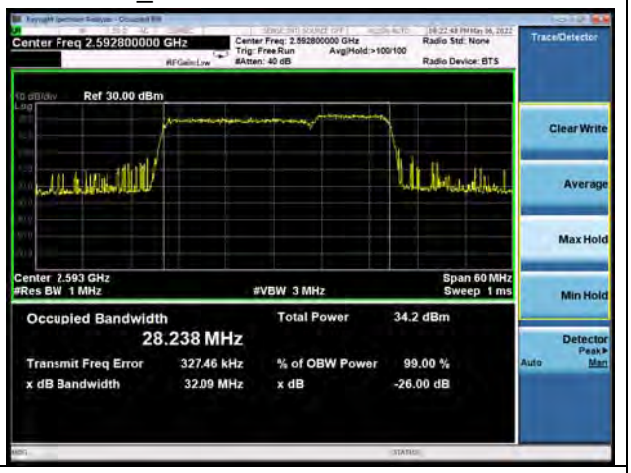

CA_41C QPSK 20MHz +10MHz




CA_41C 16QAM 10MHz +20MHz




CA_41C 16QAM 20MHz +10MHz




CA_41C 64QAM 10MHz +20MHz

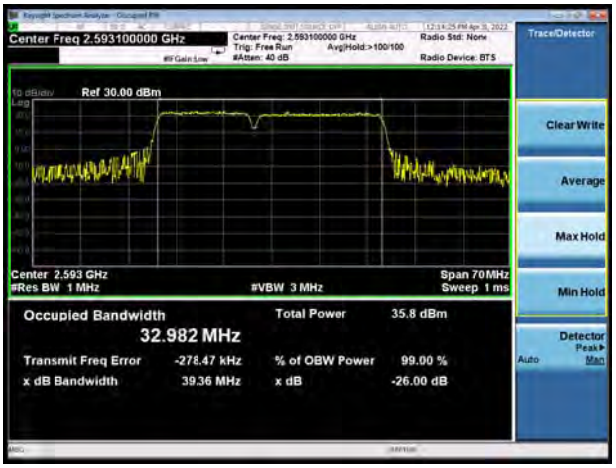

CA_41C 64QAM 20MHz +10MHz



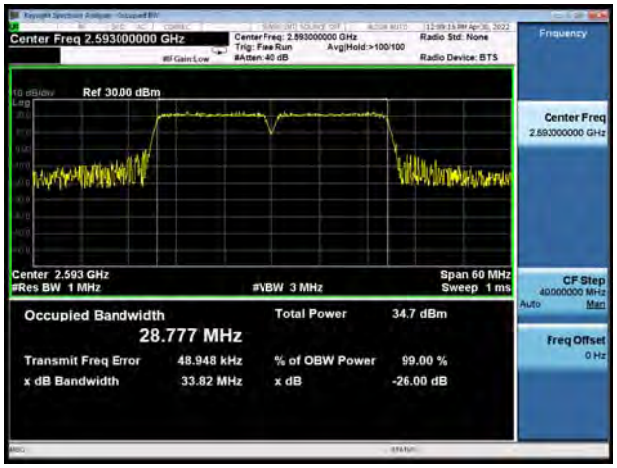
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

CA_41C QPSK 15MHz +15MHz


CA_41C QPSK 15MHz +20MHz

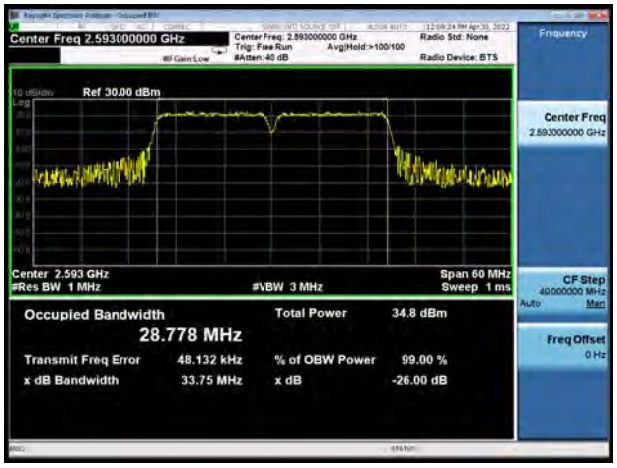



CA_41C 16QAM 15MHz +15MHz

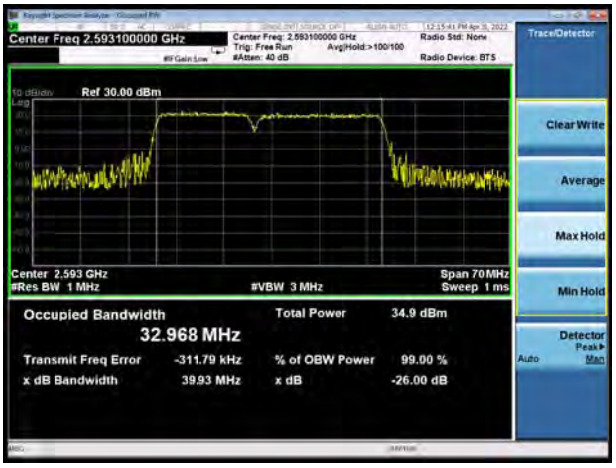



CA_41C 16QAM 15MHz +20MHz


CA_41C 64QAM 15MHz +15MHz



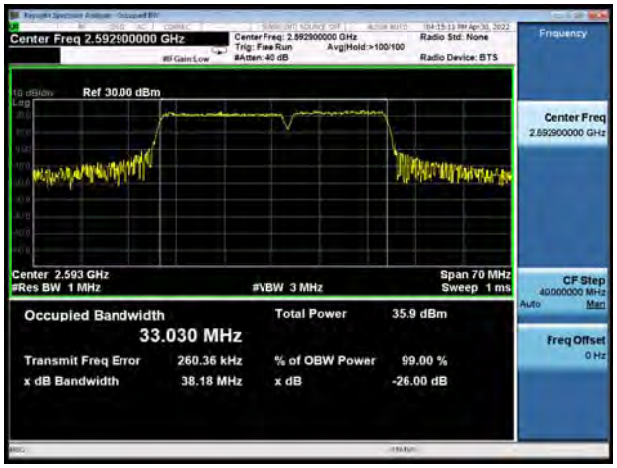

CA_41C 64QAM 15MHz +20MHz





*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

CA_41C QPSK 20MHz +15MHz

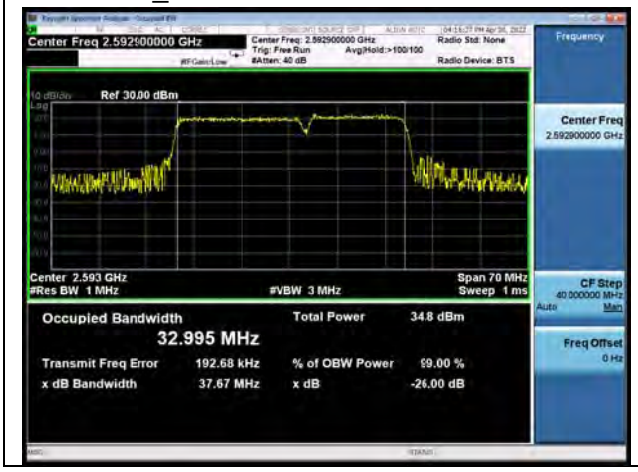



CA_41C QPSK 20MHz +20MHz


CA_41C 16QAM 20MHz +15MHz


CA_41C 16QAM 20MHz +20MHz


CA_41C 64QAM 20MHz +15MHz



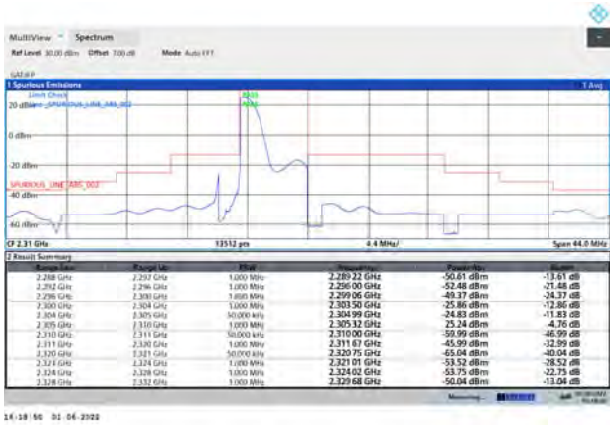
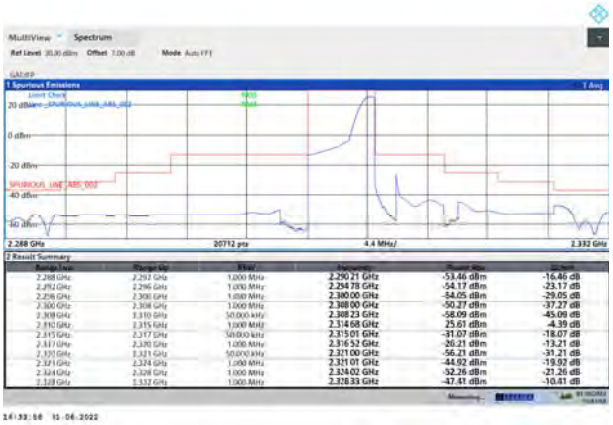
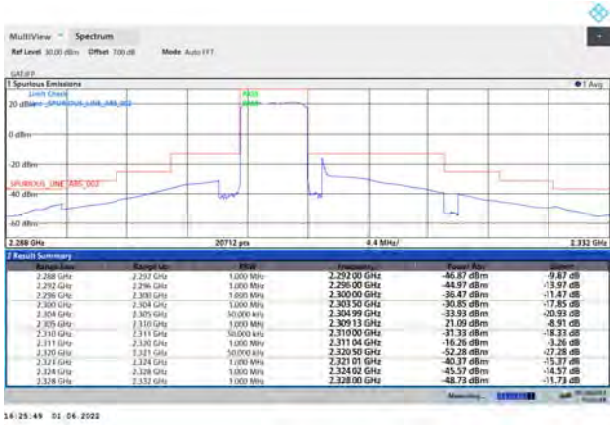
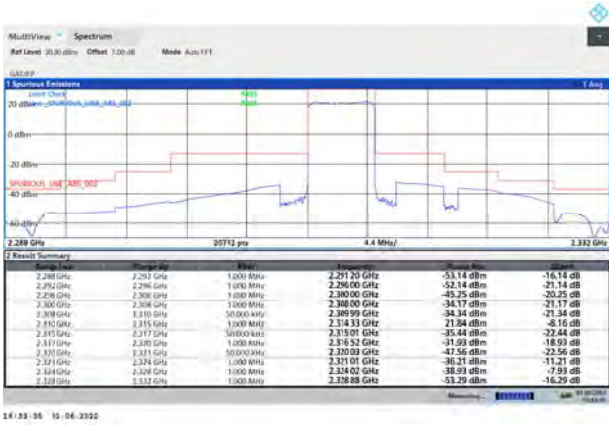
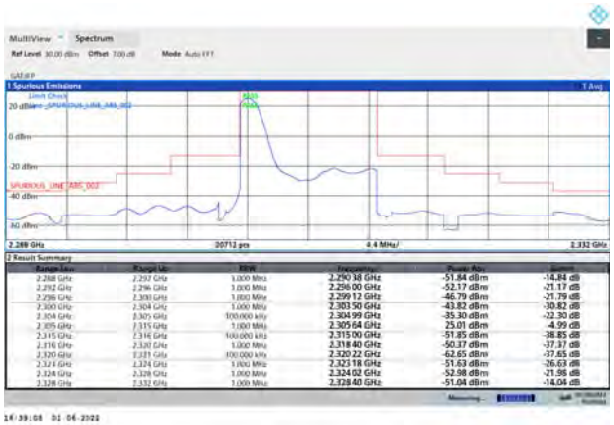
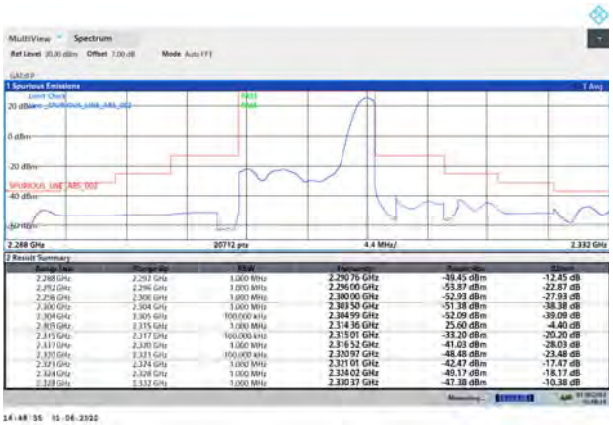

CA_41C 64QAM 20MHz +20MHz



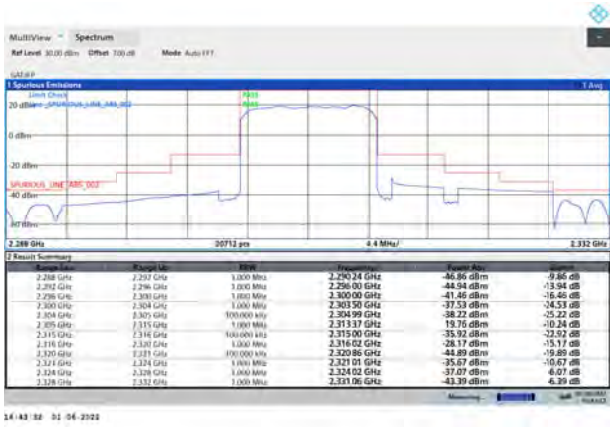
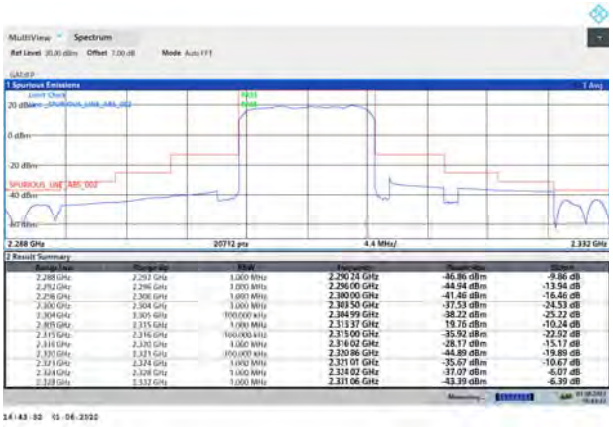
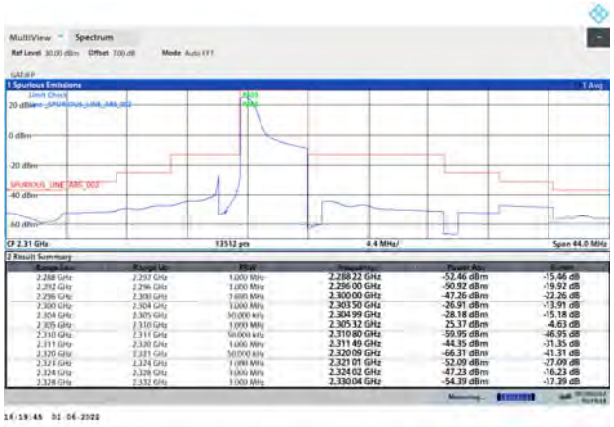
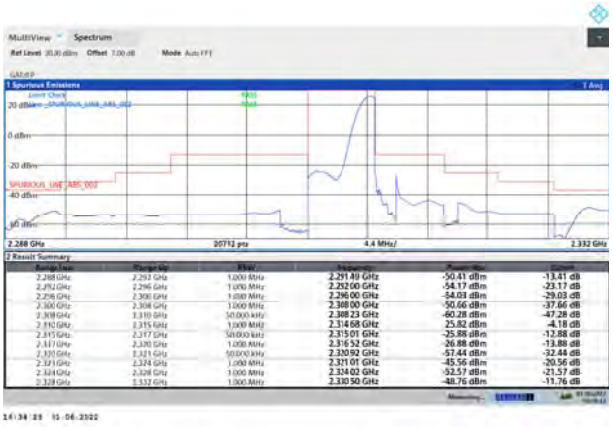
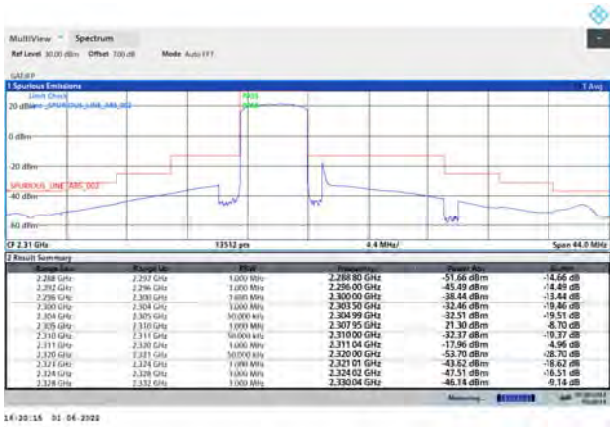
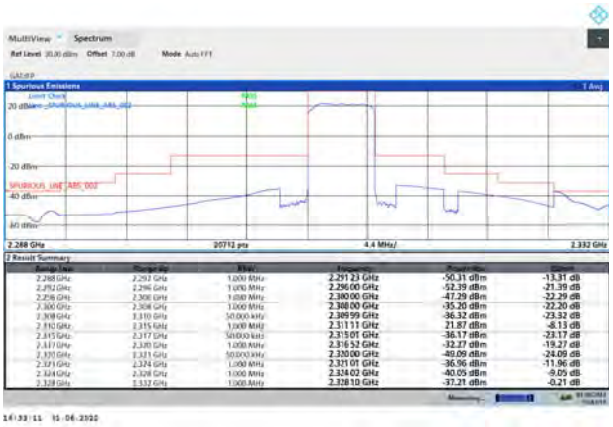
*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

## 6.3 Band Edge Compliance

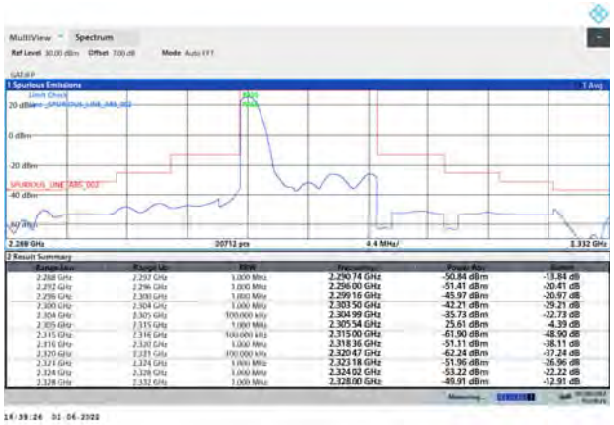
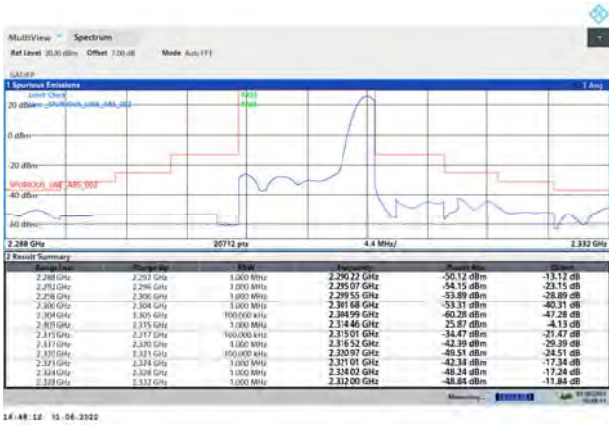
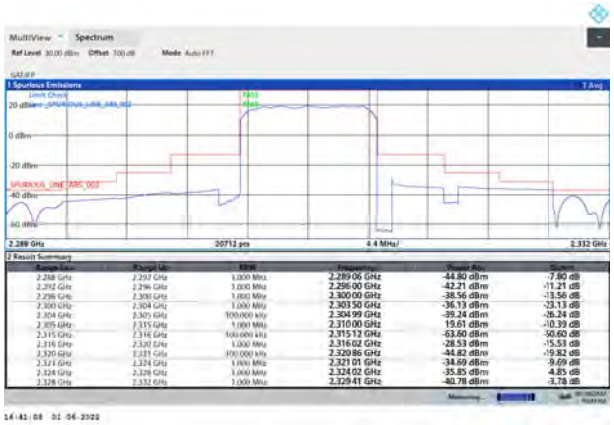
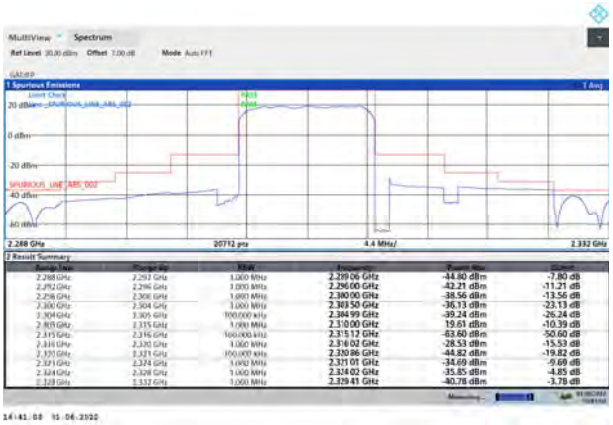
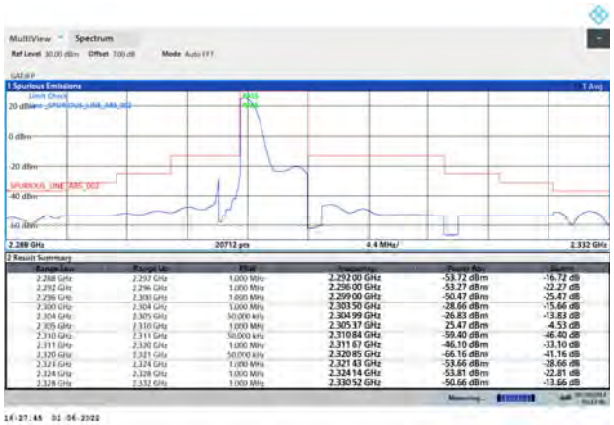
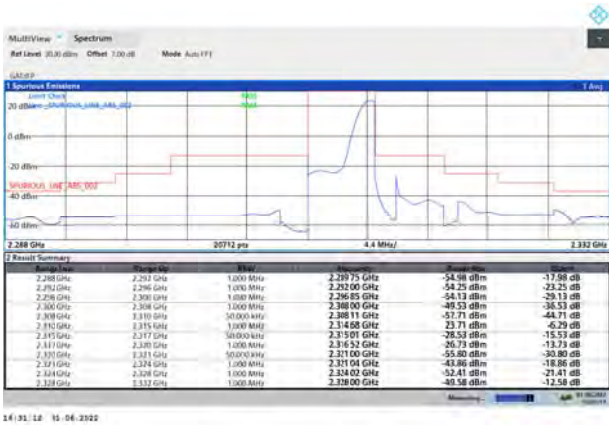
All the test traces in the plots shows the test results clearly.

| | |
|---|---|
| LTE Band 40 Subset 1 QPSK 5MHz CH-Low, 1 RB | LTE Band 40 Subset 1 QPSK 5MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 1 QPSK 5MHz CH-Low, 100%RB | LTE Band 40 Subset 1 QPSK 5MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 1 QPSK 10MHz CH-Low, 1 RB | LTE Band 40 Subset 1 QPSK 10MHz CH-High, 1 RB |
|  |  |

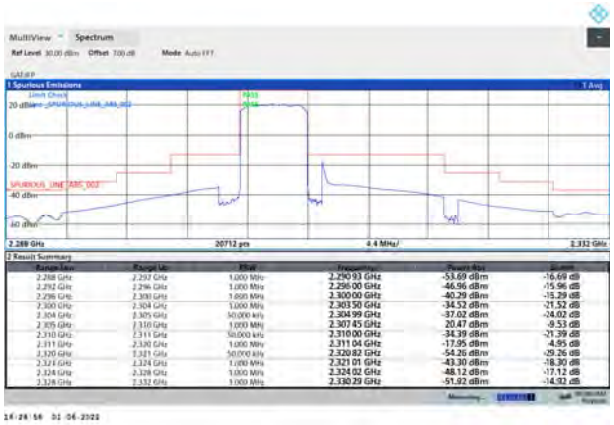
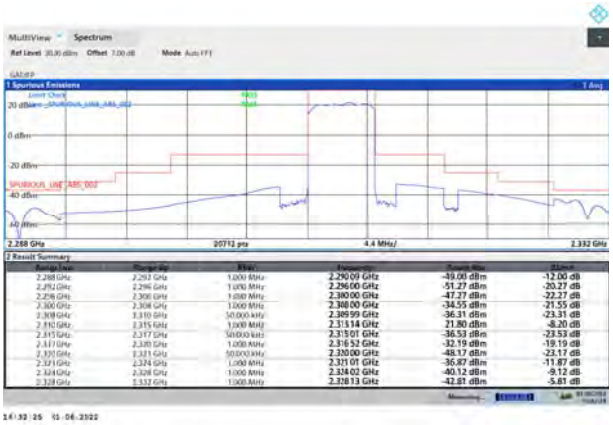
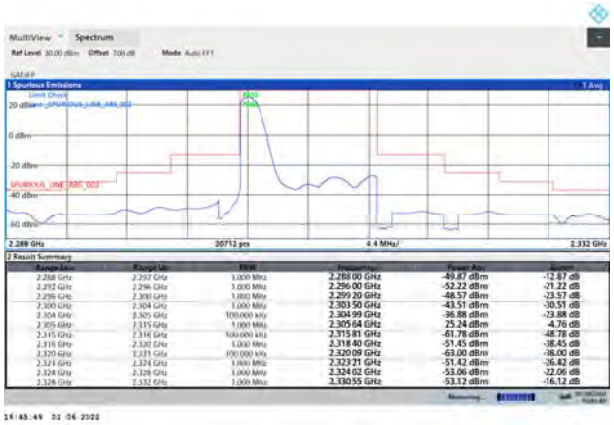
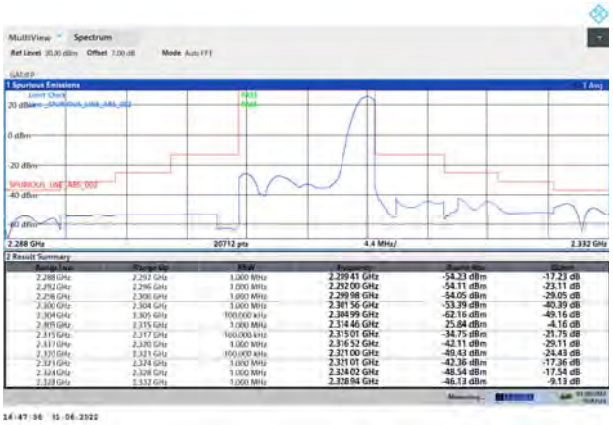
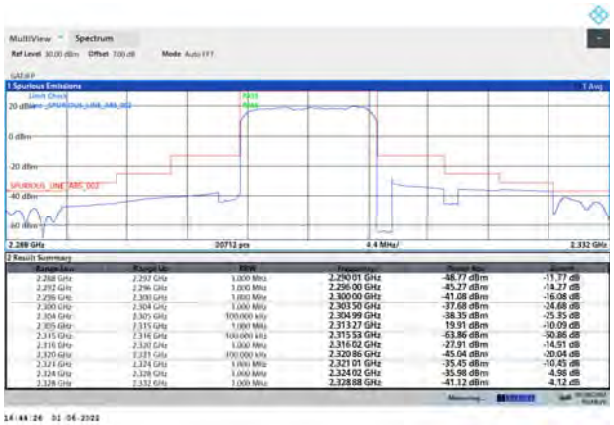
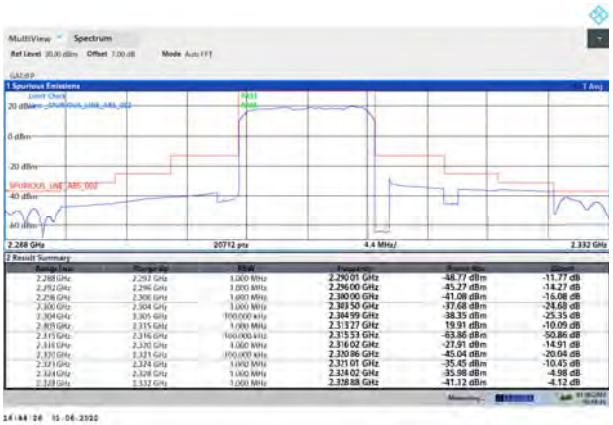

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | |
|---|---|
| LTE Band 40 Subset 1 QPSK 10MHz CH-Low, 100%RB | LTE Band 40 Subset 1 QPSK 10MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 1 16QAM 5MHz CH-Low, 1 RB | LTE Band 40 Subset 1 16QAM 5MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 1 16QAM 5MHz CH-Low, 100%RB | LTE Band 40 Subset 1 16QAM 5MHz CH-High, 100%RB |
|  |  |

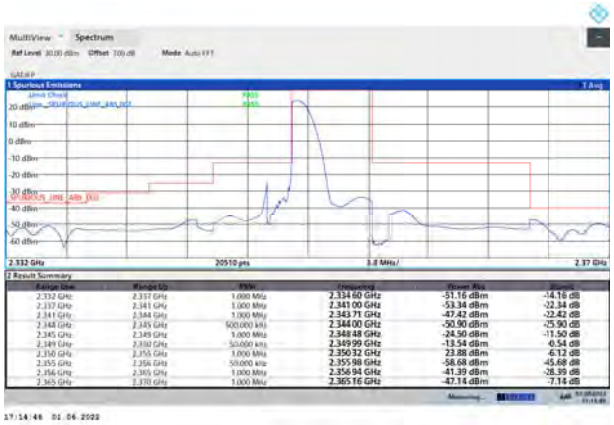
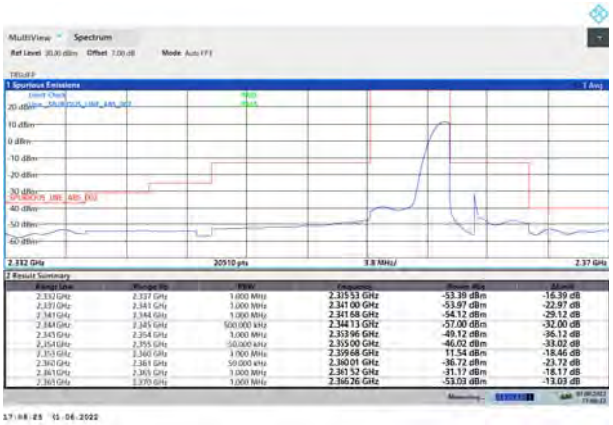
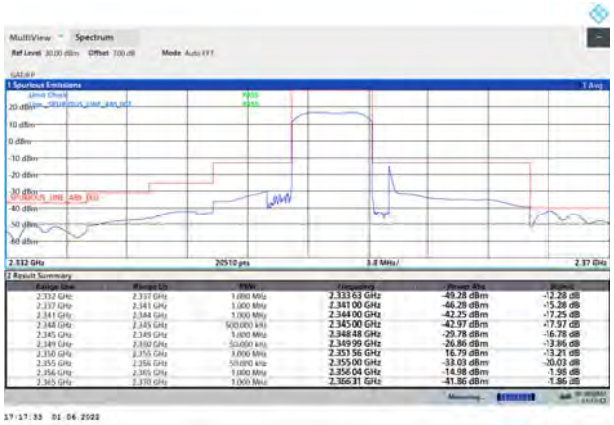
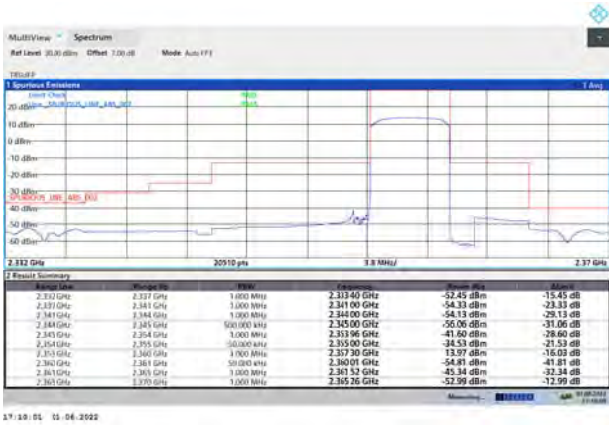
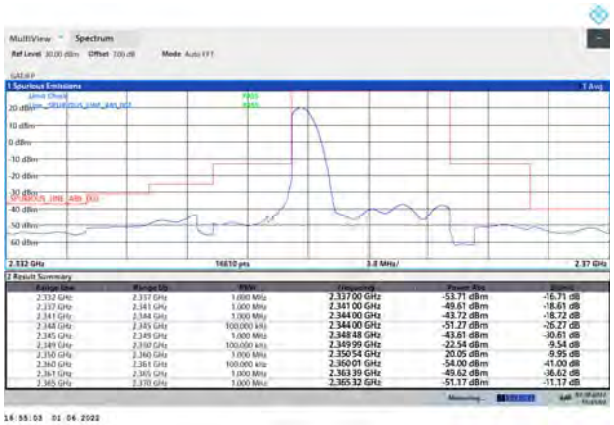
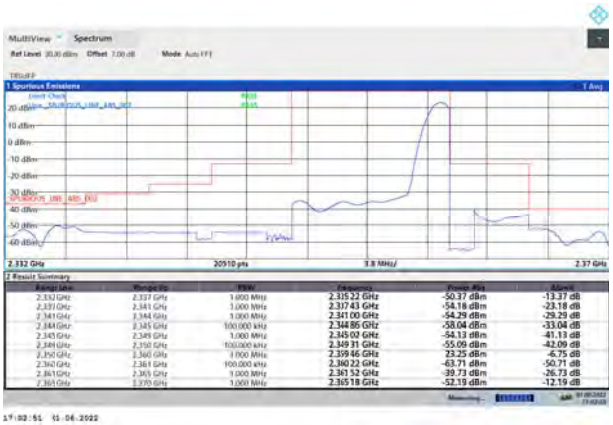

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | |
|---|---|
| LTE Band 40 Subset 1 16QAM 10MHz CH-Low, 1 RB | LTE Band 40 Subset 1 16QAM 10MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 1 16QAM 10MHz CH-Low, 100%RB | LTE Band 40 Subset 1 16QAM 10MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 1 64QAM 5MHz CH-Low, 1 RB | LTE Band 40 Subset 1 64QAM 5MHz CH-High, 1 RB |
|  |  |

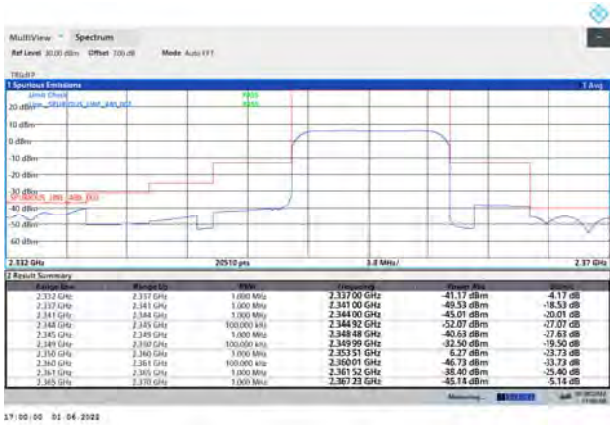
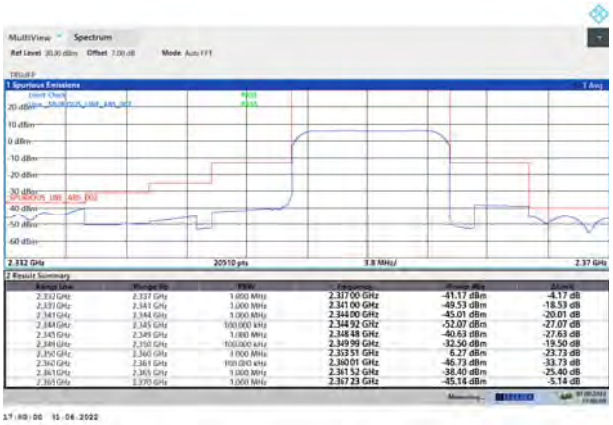
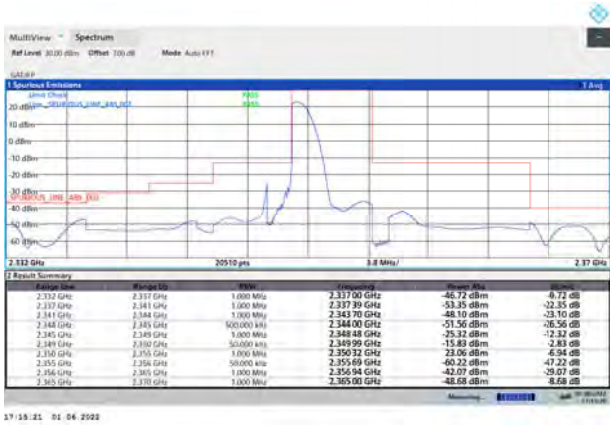
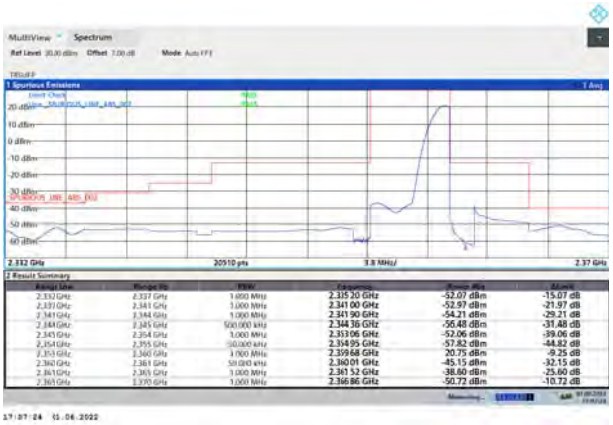
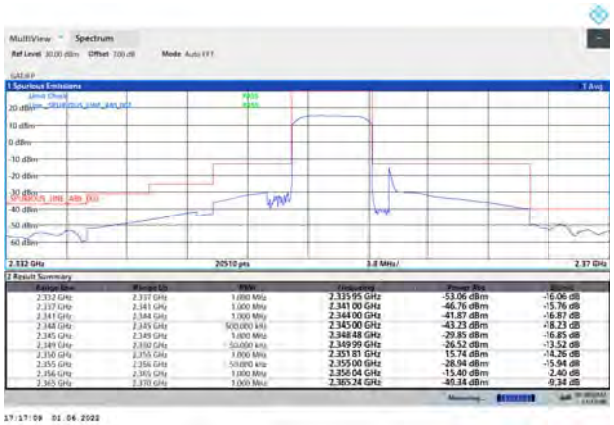
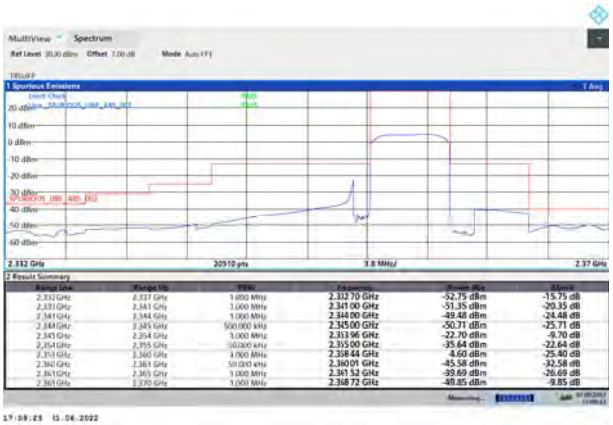

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | |
|---|---|
| LTE Band 40 Subset 1 64QAM 5MHz CH-Low, 100%RB | LTE Band 40 Subset 1 64QAM 5MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 1 64QAM 10MHz CH-Low, 1 RB | LTE Band 40 Subset 1 64QAM 10MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 1 64QAM 10MHz CH-Low, 100%RB | LTE Band 40 Subset 1 64QAM 10MHz CH-High, 100%RB |
|  |  |

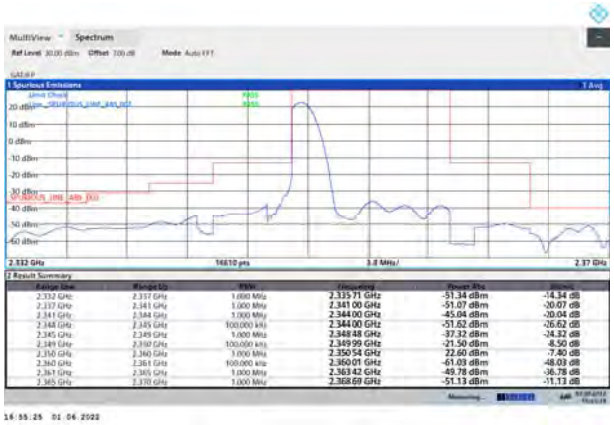
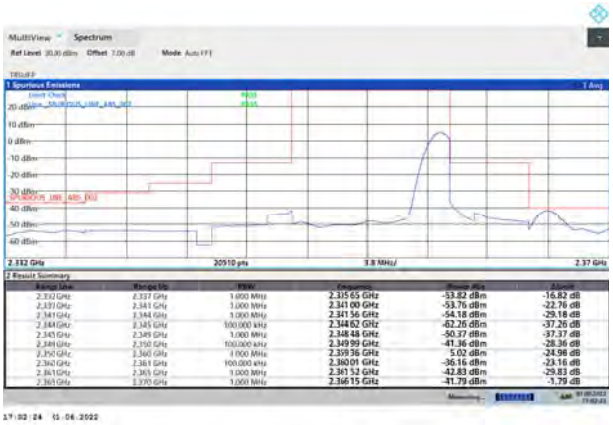
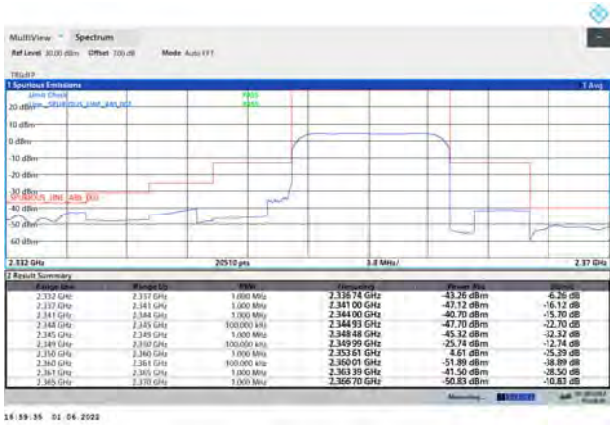
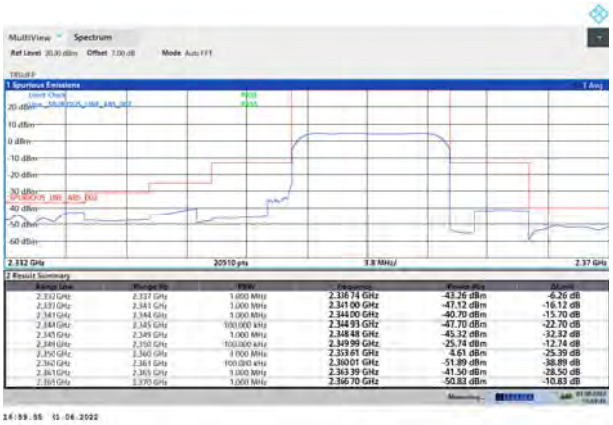
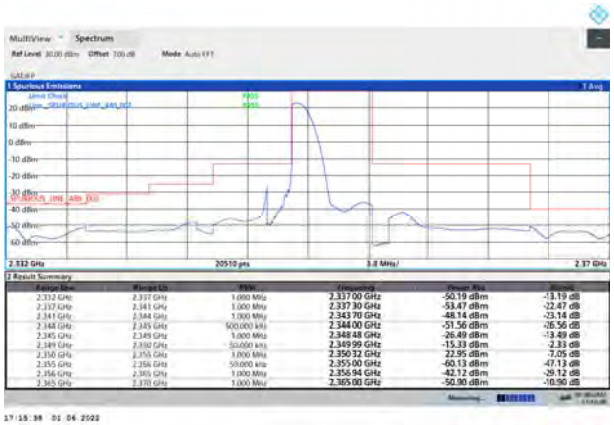
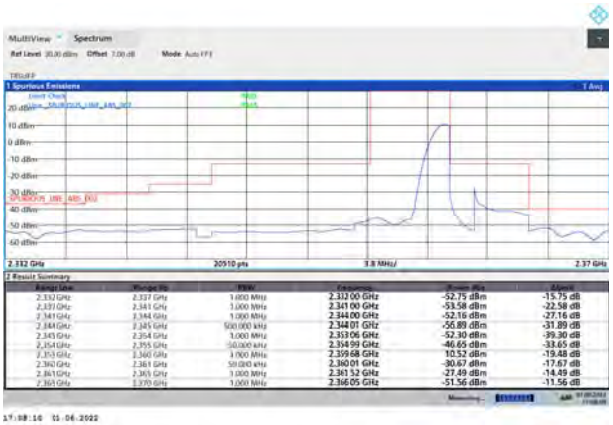

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | |
|---|---|
| LTE Band 40 Subset 2 QPSK 5MHz CH-Low, 1 RB | LTE Band 40 Subset 2 QPSK 5MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 2 QPSK 5MHz CH-Low, 100%RB | LTE Band 40 Subset 2 QPSK 5MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 2 QPSK 10MHz CH-Low, 1 RB | LTE Band 40 Subset 2 QPSK 10MHz CH-High, 1 RB |
|  |  |

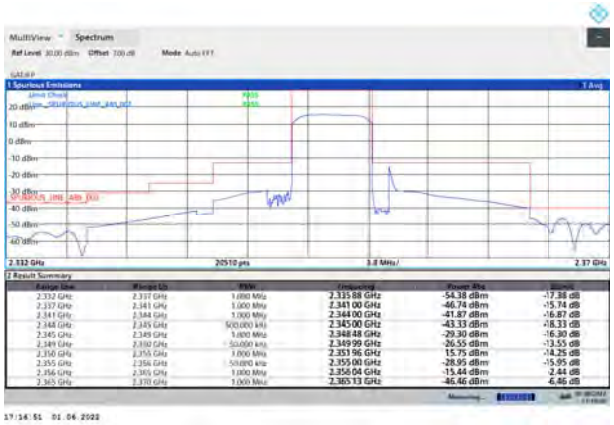
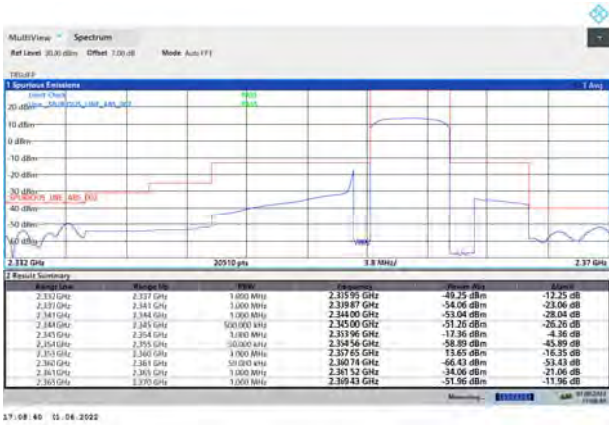
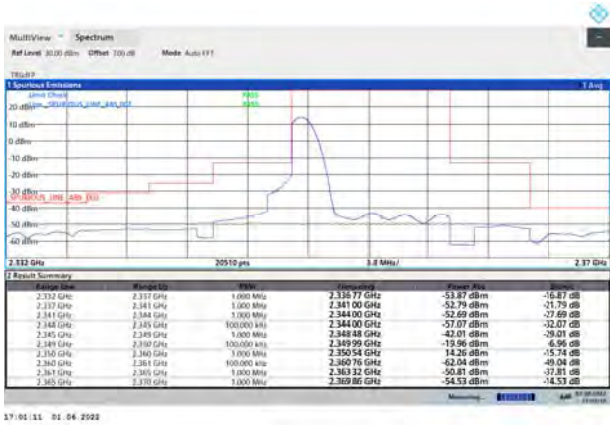
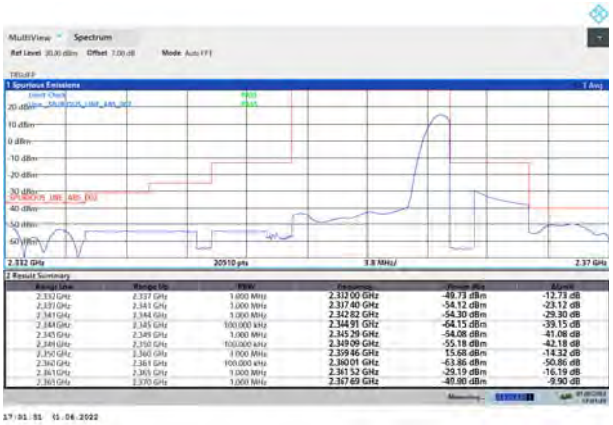
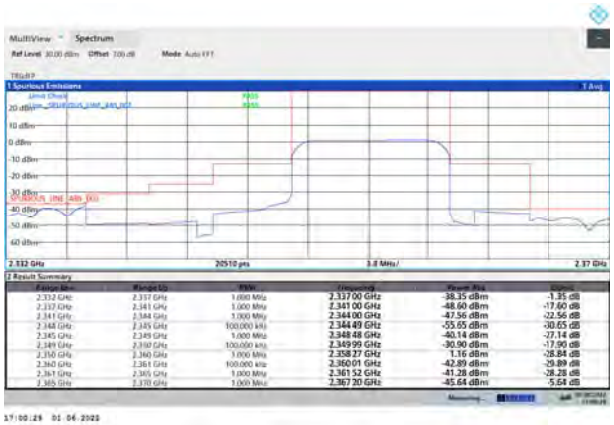
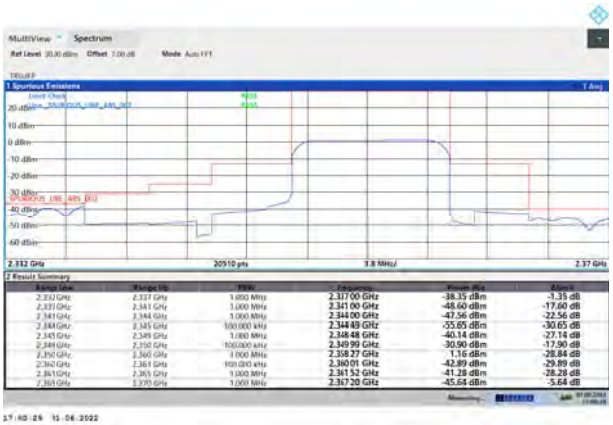

*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

| | |
|---|---|
| LTE Band 40 Subset 2 QPSK 10MHz CH-Low, 100%RB | LTE Band 40 Subset 2 QPSK 10MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 2 16QAM 5MHz CH-Low, 1 RB | LTE Band 40 Subset 2 16QAM 5MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 2 16QAM 5MHz CH-Low, 100%RB | LTE Band 40 Subset 2 16QAM 5MHz CH-High, 100%RB |
|  |  |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

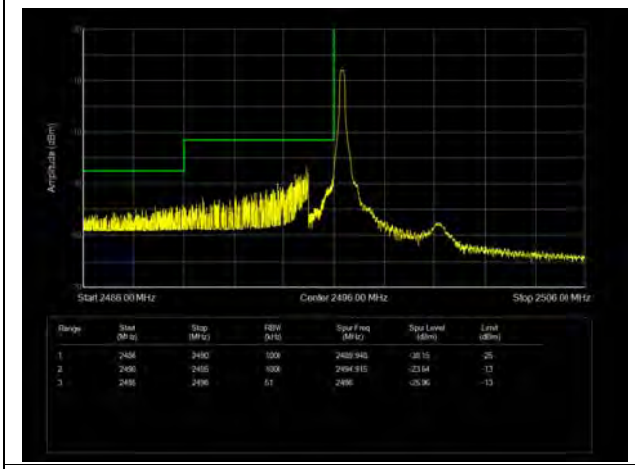
| | |
|---|---|
| LTE Band 40 Subset 2 16QAM 10MHz CH-Low, 1 RB | LTE Band 40 Subset 2 16QAM 10MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 2 16QAM 10MHz CH-Low, 100%RB | LTE Band 40 Subset 2 16QAM 10MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 2 64QAM 5MHz CH-Low, 1 RB | LTE Band 40 Subset 2 64QAM 5MHz CH-High, 1 RB |
|  |  |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

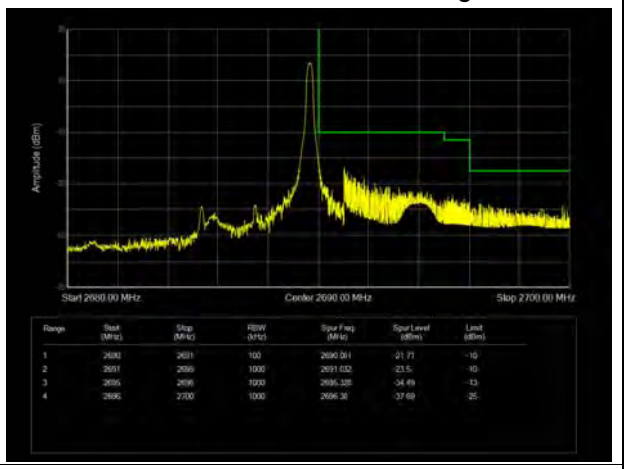
| | |
|---|---|
| LTE Band 40 Subset 2 64QAM 5MHz CH-Low, 100%RB | LTE Band 40 Subset 2 64QAM 5MHz CH-High, 100%RB |
|  |  |
| LTE Band 40 Subset 2 64QAM 10MHz CH-Low, 1 RB | LTE Band 40 Subset 2 64QAM 10MHz CH-High, 1 RB |
|  |  |
| LTE Band 40 Subset 2 64QAM 10MHz CH-Low, 100%RB | LTE Band 40 Subset 2 64QAM 10MHz CH-High, 100%RB |
|  |  |


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

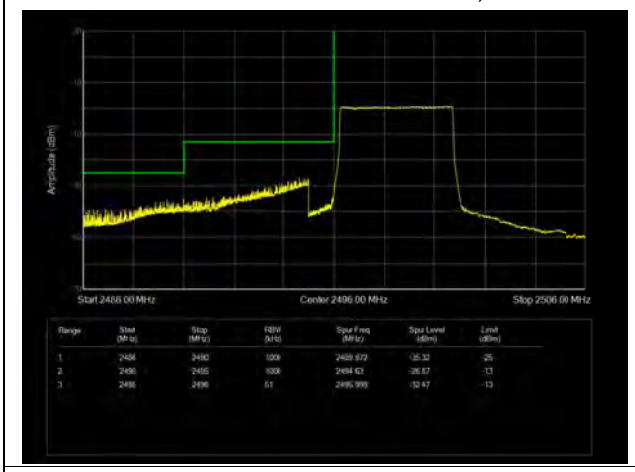
LTE Band 41 QPSK 5MHz CH-Low, 1 RB



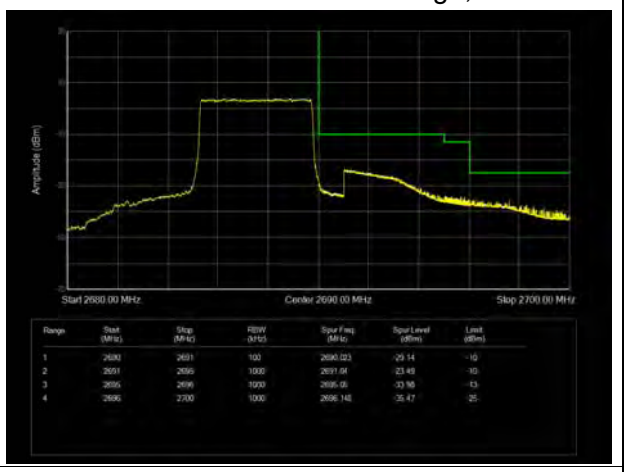

LTE Band 41 QPSK 5MHz CH-High, 1 RB



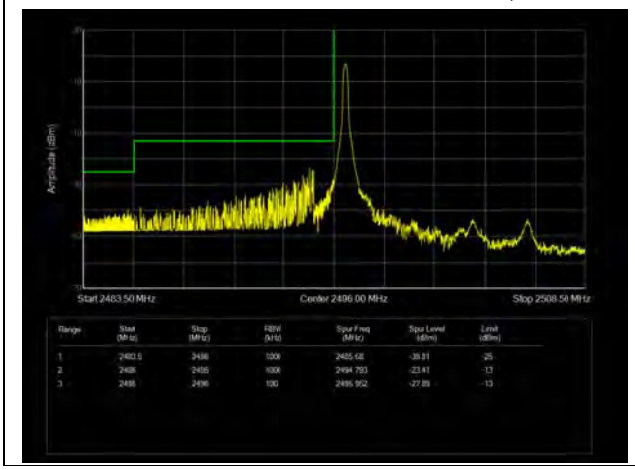

LTE Band 41 QPSK 5MHz CH-Low, 100%RB



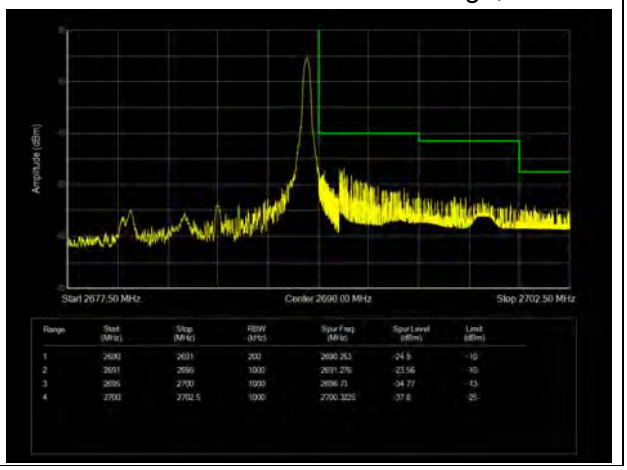

LTE Band 41 QPSK 5MHz CH-High, 100%RB




LTE Band 41 QPSK 10MHz CH-Low, 1 RB



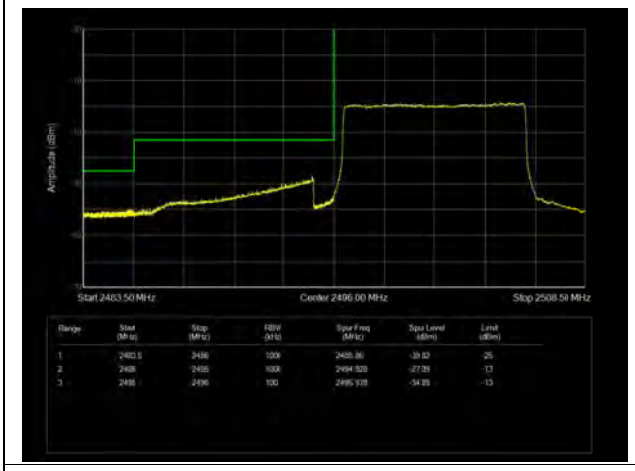

LTE Band 41 QPSK 10MHz CH-High, 1 RB



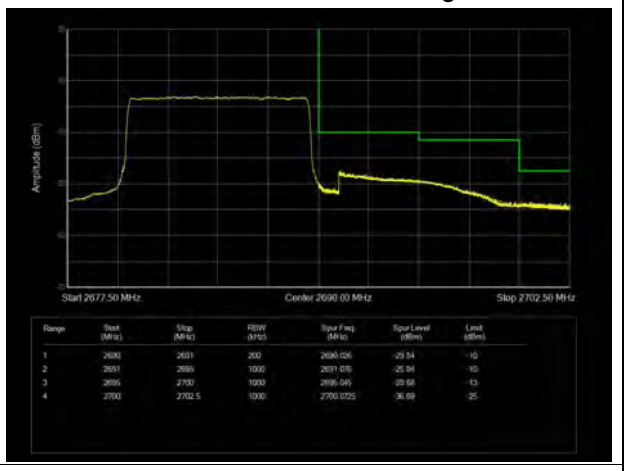


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

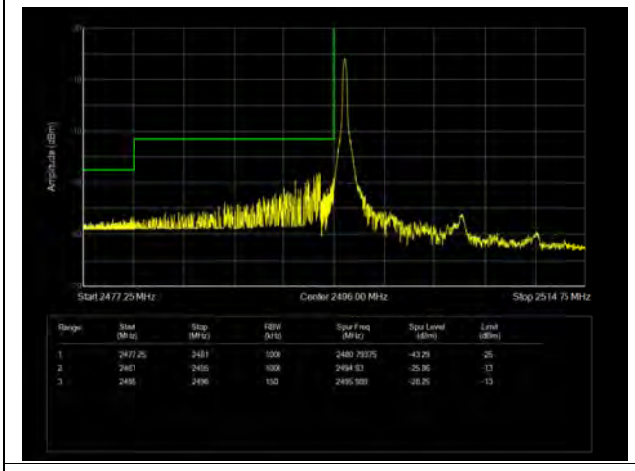
LTE Band 41 QPSK 10MHz CH-Low, 100%RB



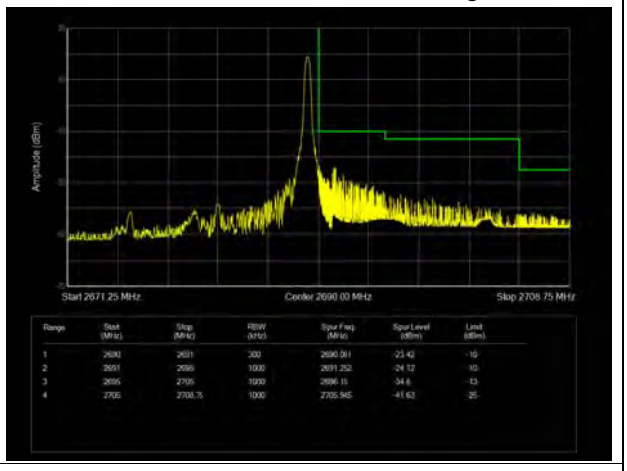

LTE Band 41 QPSK 10MHz CH-High, 100%RB



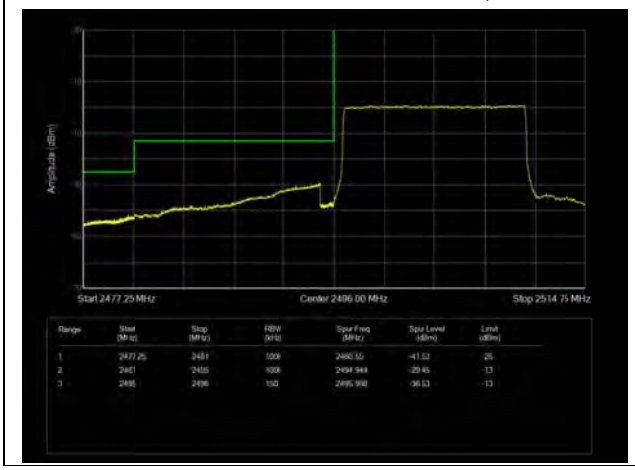

LTE Band 41 QPSK 15MHz CH-Low, 1 RB



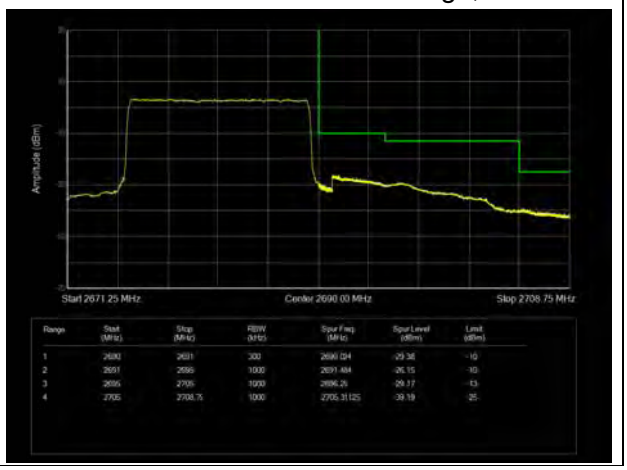

LTE Band 41 QPSK 15MHz CH-High, 1 RB




LTE Band 41 QPSK 15MHz CH-Low, 100%RB



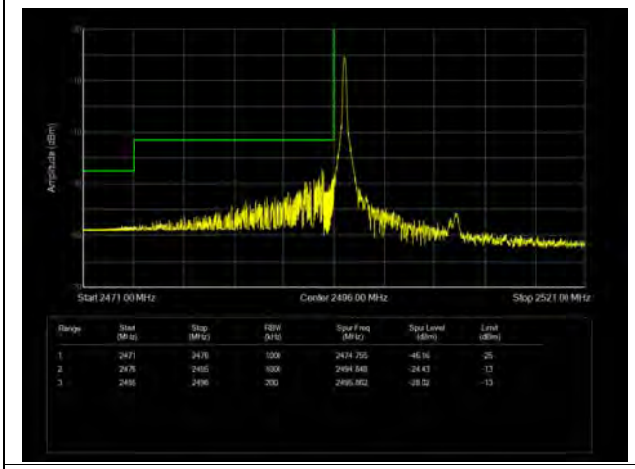

LTE Band 41 QPSK 15MHz CH-High, 100%RB



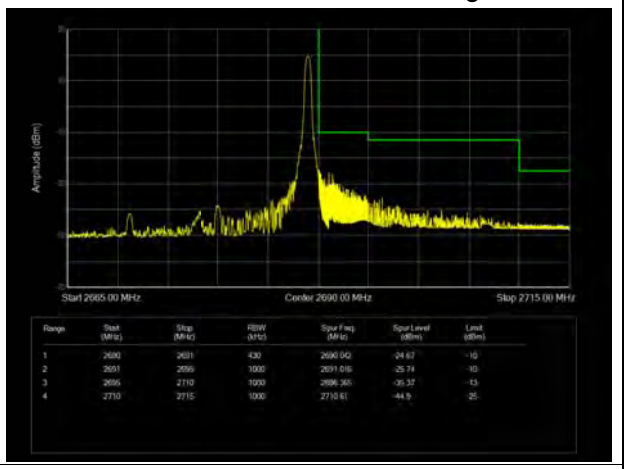


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

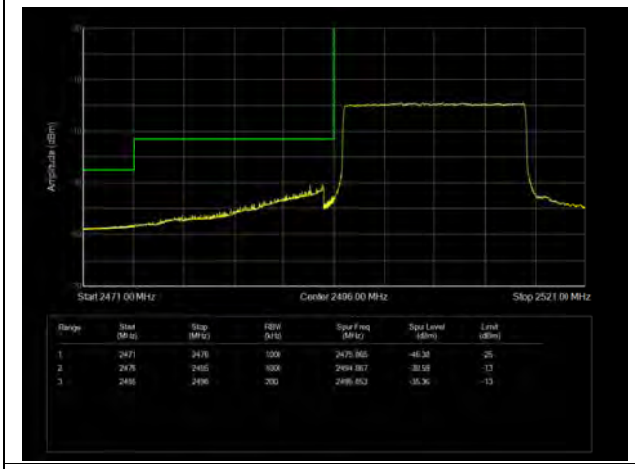
LTE Band 41 QPSK 20MHz CH-Low, 1 RB



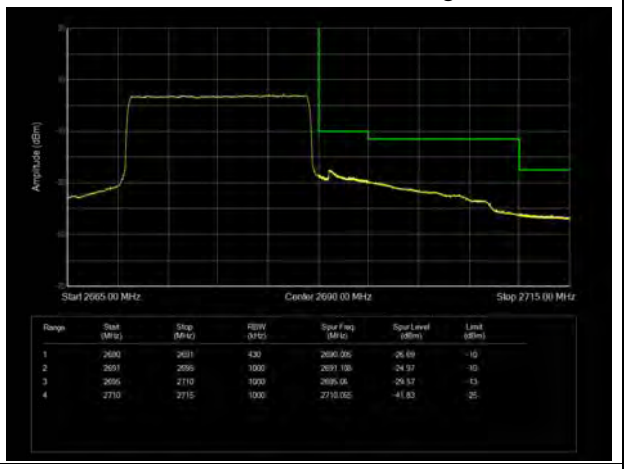

LTE Band 41 QPSK 20MHz CH-High, 1 RB



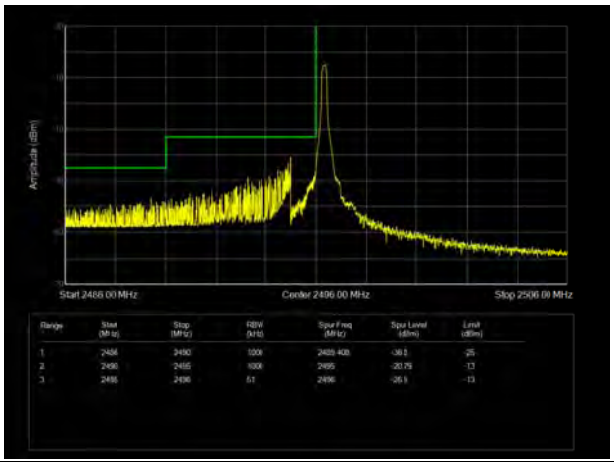

LTE Band 41 QPSK 20MHz CH-Low, 100%RB



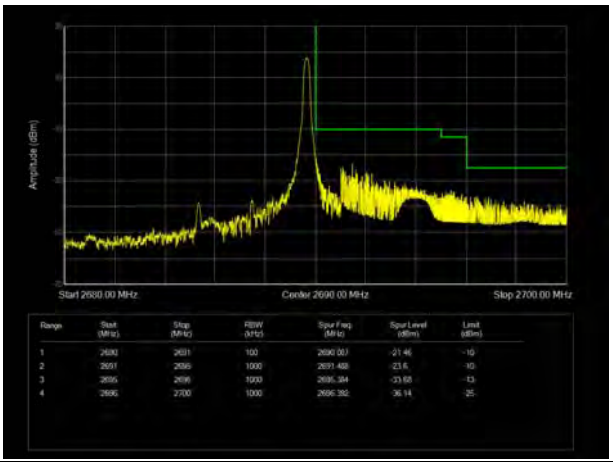

LTE Band 41 QPSK 20MHz CH-High, 100%RB




LTE Band 41 16QAM 5MHz CH-Low, 1 RB



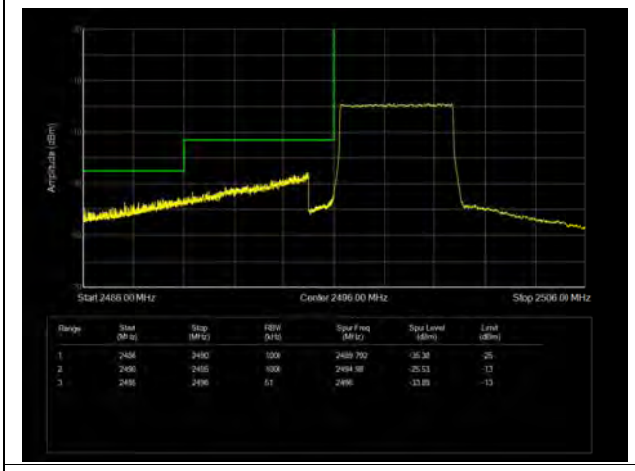

LTE Band 41 16QAM 5MHz CH-High, 1 RB



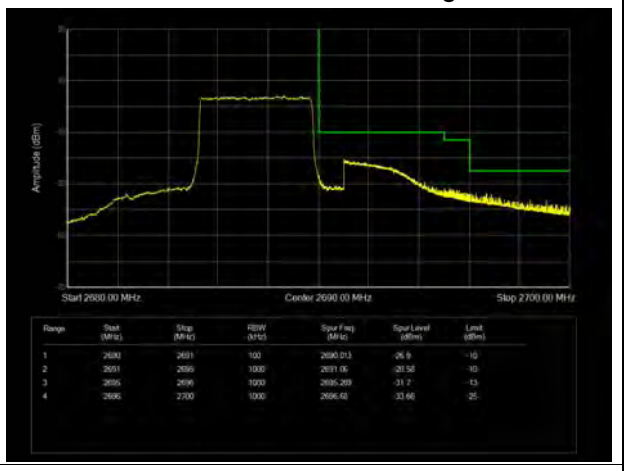


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

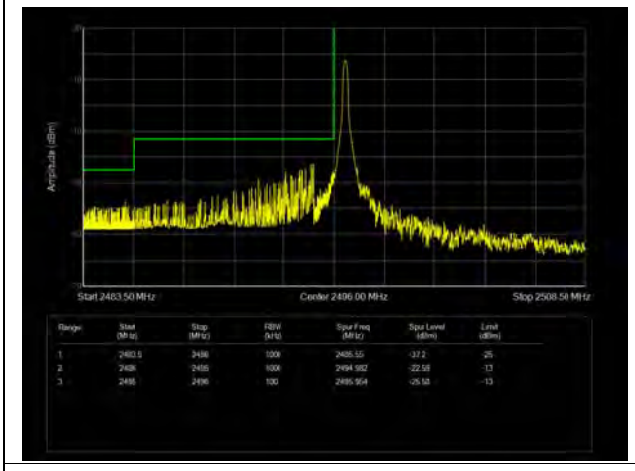
LTE Band 41 16QAM 5MHz CH-Low, 100%RB



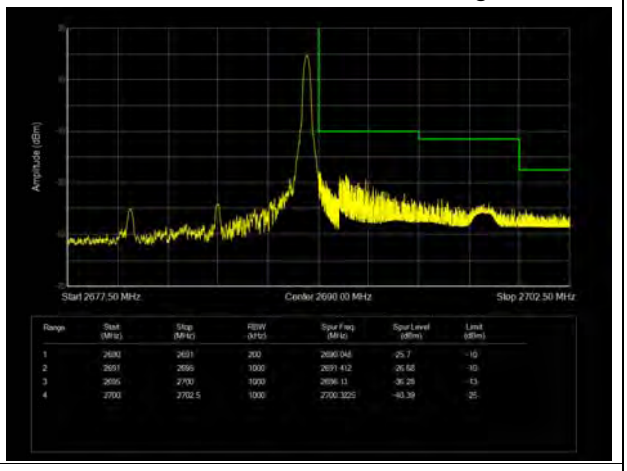

LTE Band 41 16QAM 5MHz CH-High, 100%RB



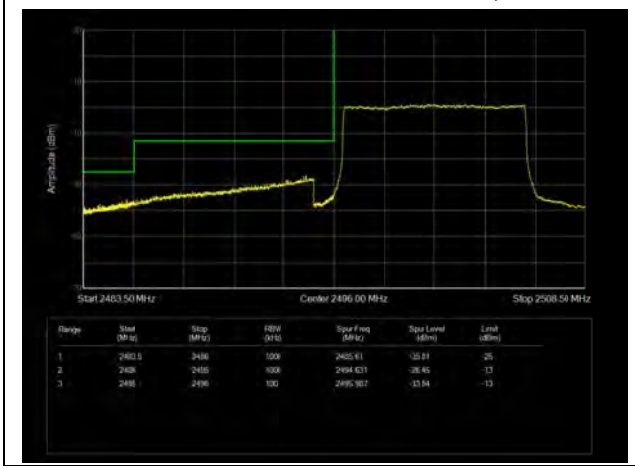

LTE Band 41 16QAM 10MHz CH-Low, 1 RB



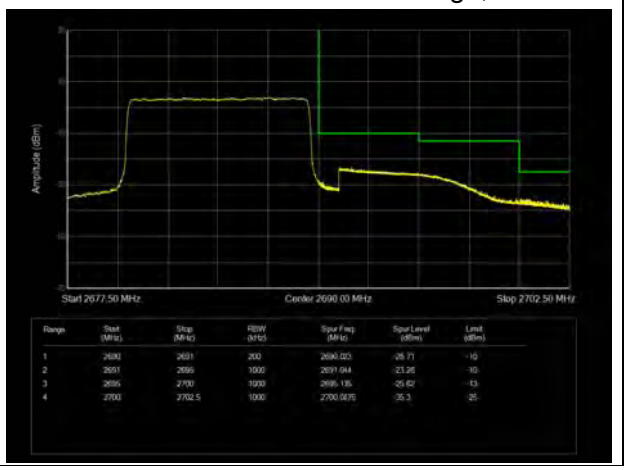

LTE Band 41 16QAM 10MHz CH-High, 1 RB




LTE Band 41 16QAM 10MHz CH-Low, 100%RB



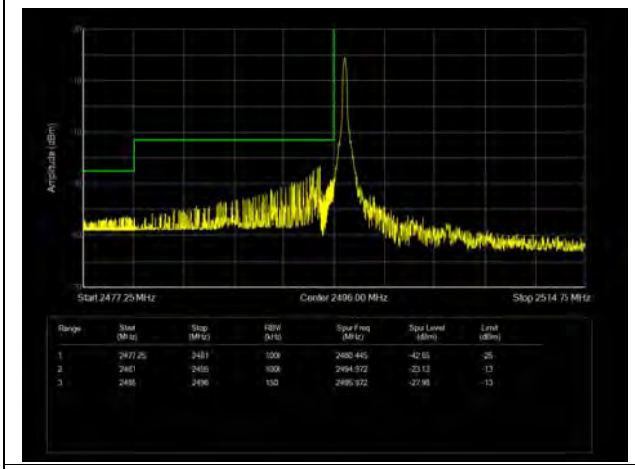

LTE Band 41 16QAM 10MHz CH-High, 100%RB



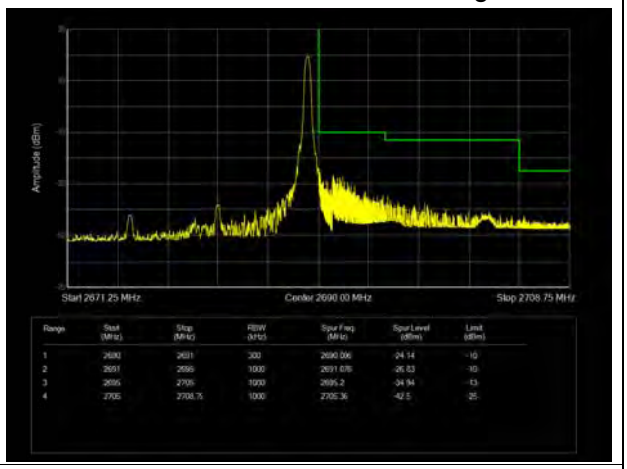


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

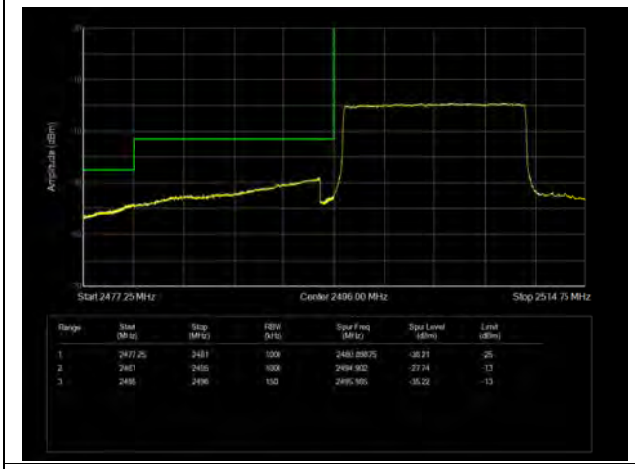
LTE Band 41 16QAM 15MHz CH-Low, 1 RB



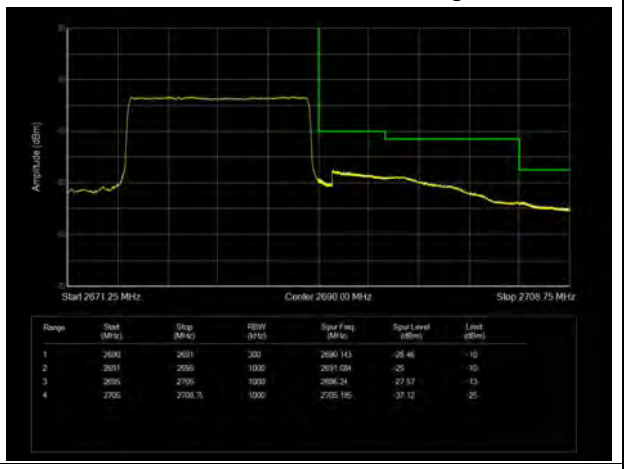

LTE Band 41 16QAM 15MHz CH-High, 1 RB



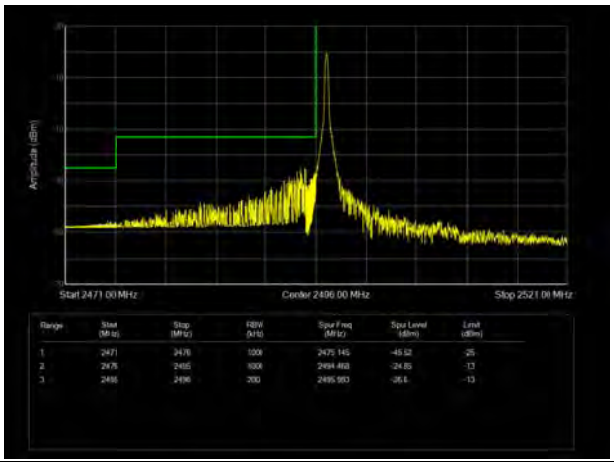

LTE Band 41 16QAM 15MHz CH-Low, 100%RB



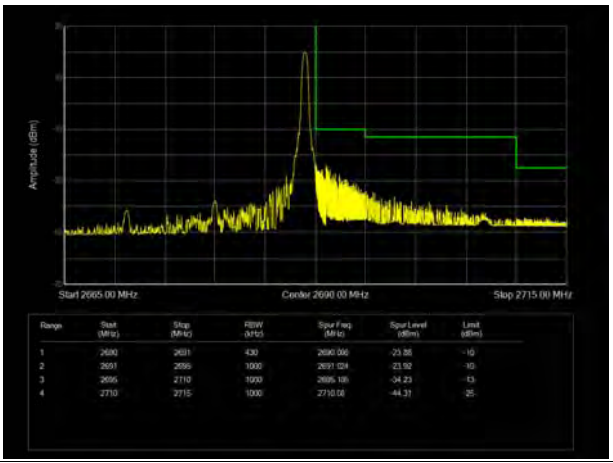

LTE Band 41 16QAM 15MHz CH-High, 100%RB




LTE Band 41 16QAM 20MHz CH-Low, RB 1



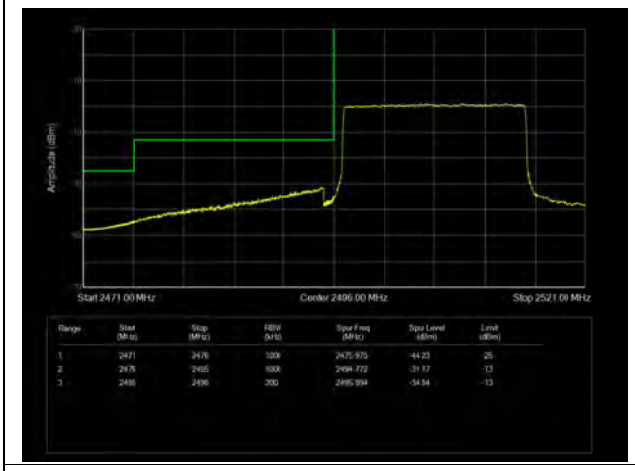

LTE Band 41 16QAM 20MHz CH-High, RB 1



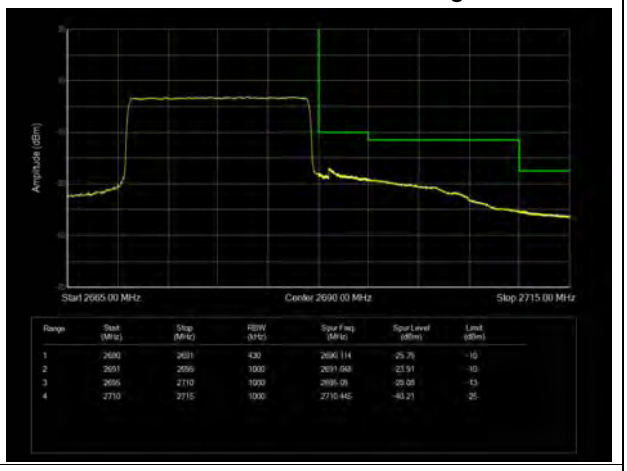


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

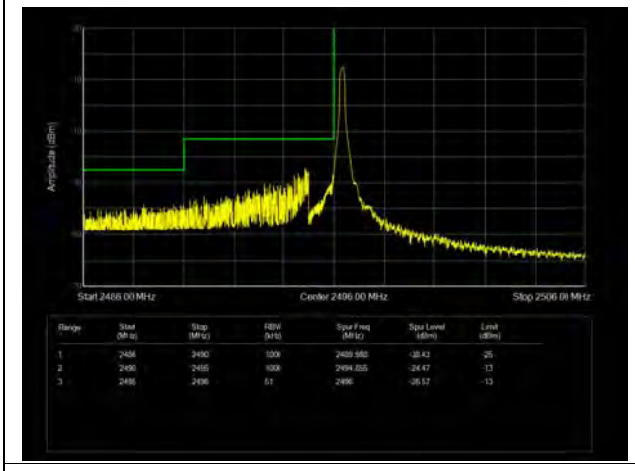
LTE Band 41 16QAM 20MHz CH-Low, 100%RB



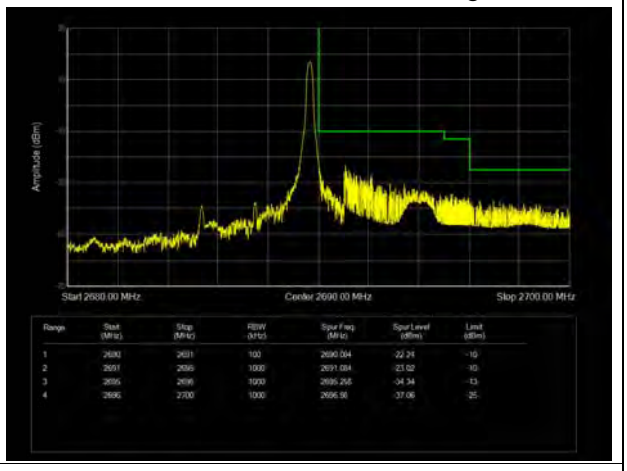

LTE Band 41 16QAM 20MHz CH-High, 100%RB



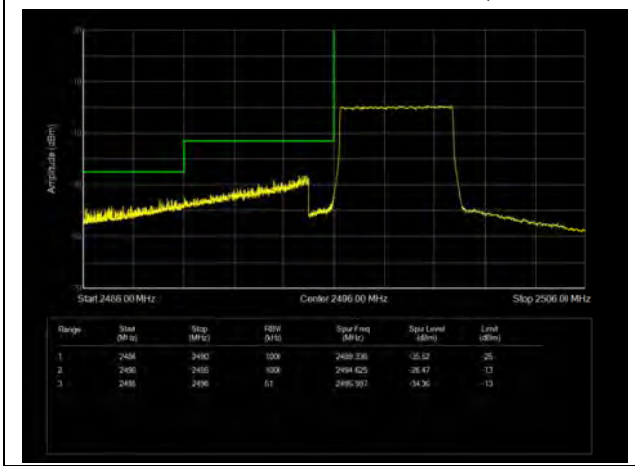

LTE Band 41 64QAM 5MHz CH-Low, 1 RB



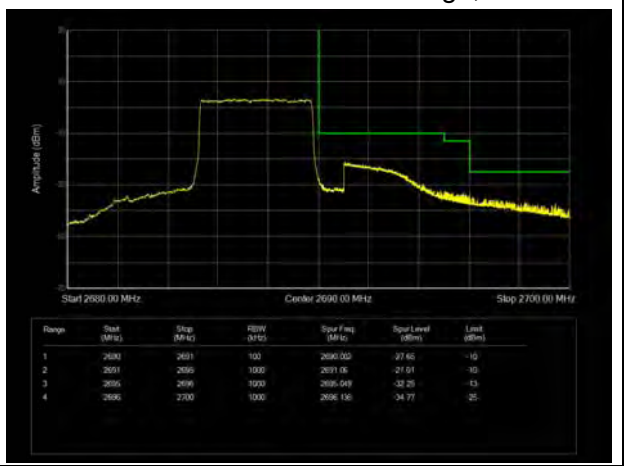

LTE Band 41 64QAM 5MHz CH-High, 1 RB




LTE Band 41 64QAM 5MHz CH-Low, 100%RB



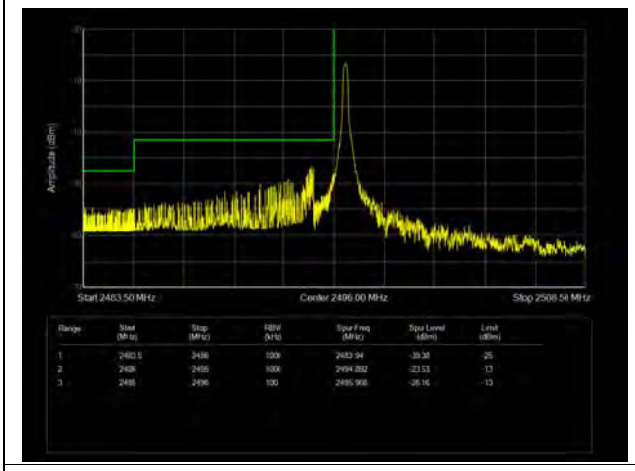

LTE Band 41 64QAM 5MHz CH-High, 100%RB



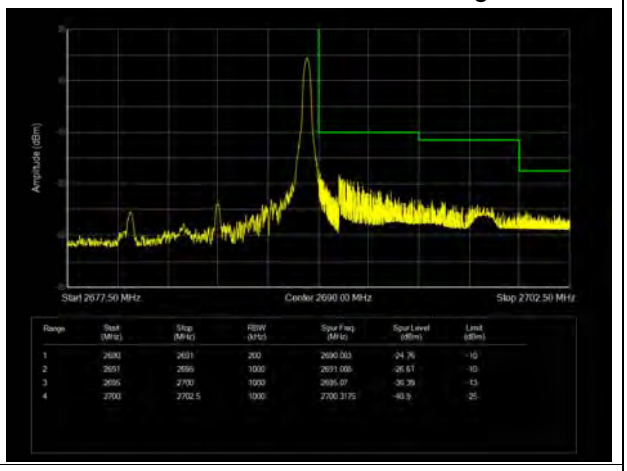


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

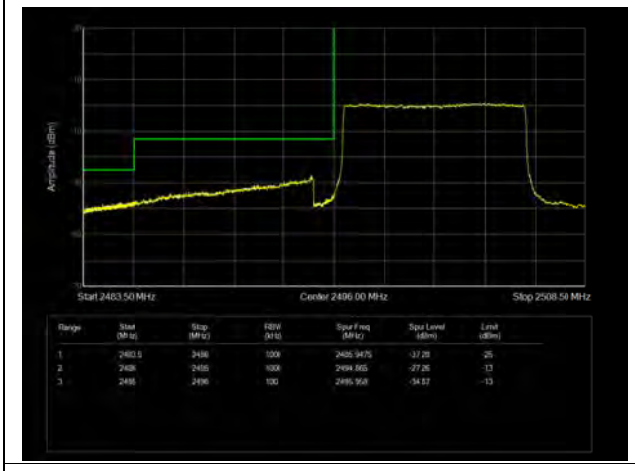
LTE Band 41 64QAM 10MHz CH-Low, 1 RB



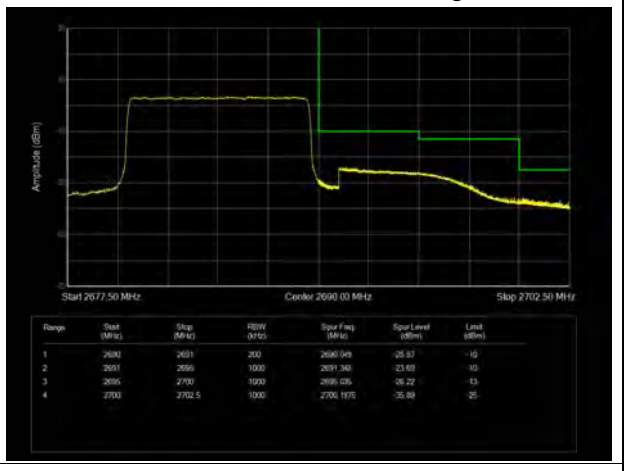

LTE Band 41 64QAM 10MHz CH-High, 1 RB



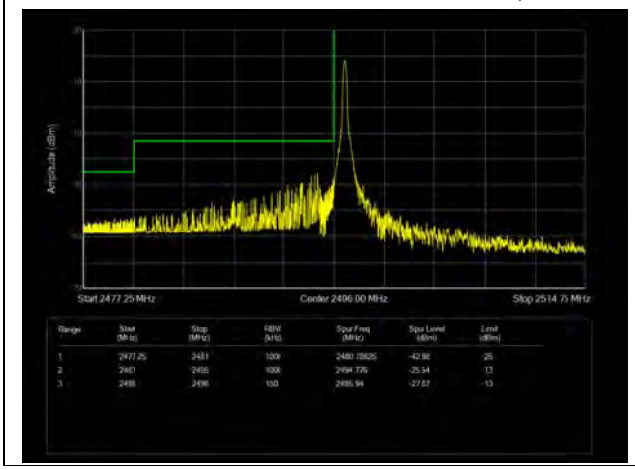

LTE Band 41 64QAM 10MHz CH-Low, 100%RB



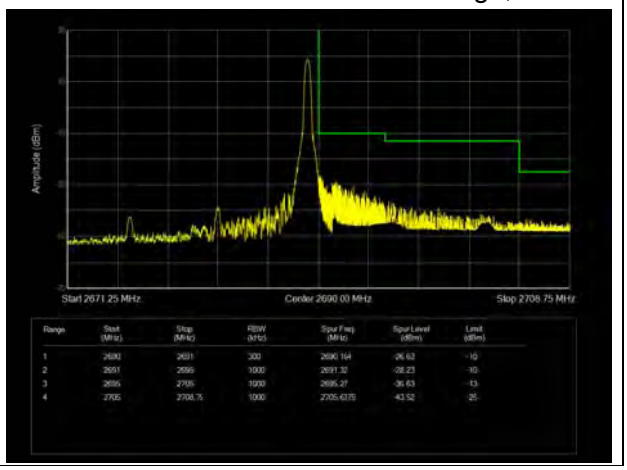

LTE Band 41 64QAM 10MHz CH-High, 100%RB




LTE Band 41 64QAM 15MHz CH-Low, 1 RB



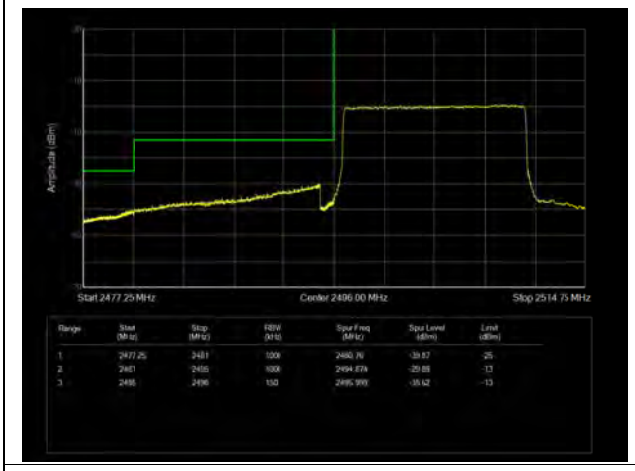

LTE Band 41 64QAM 15MHz CH-High, 1 RB



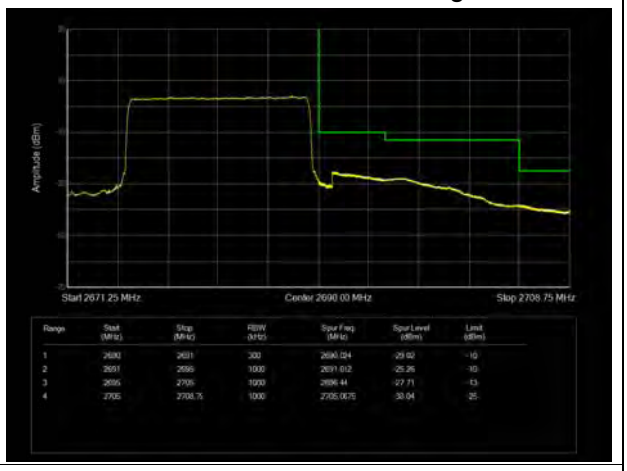


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

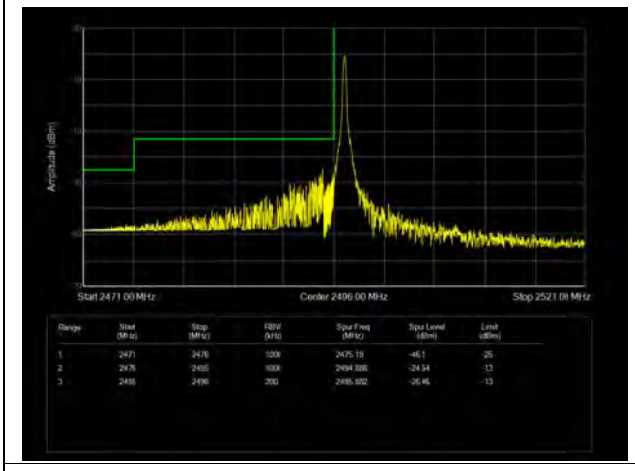
LTE Band 41 64QAM 15MHz CH-Low, 100%RB



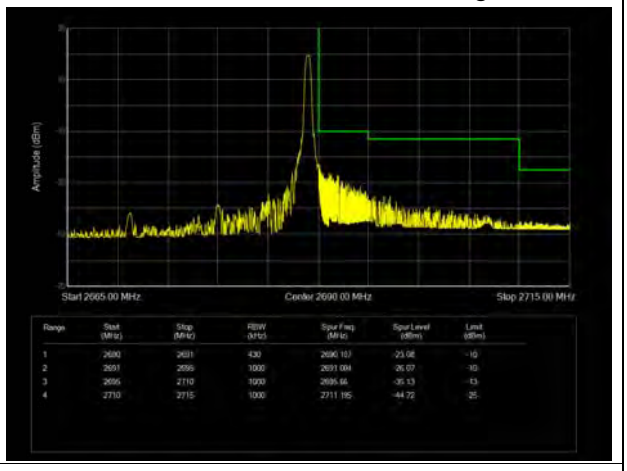

LTE Band 41 64QAM 15MHz CH-High, 100%RB



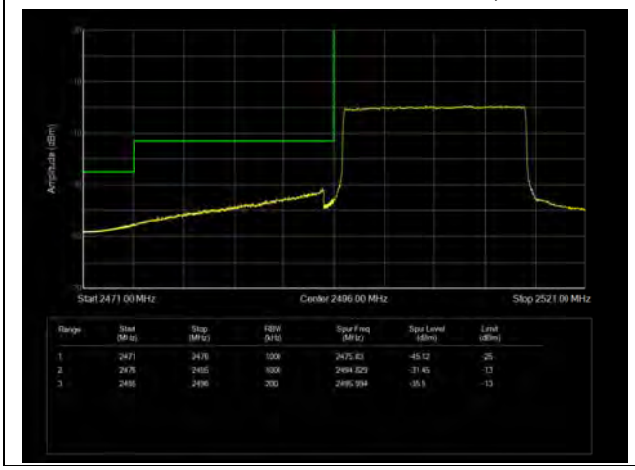

LTE Band 41 64QAM 20MHz CH-Low, 1 RB



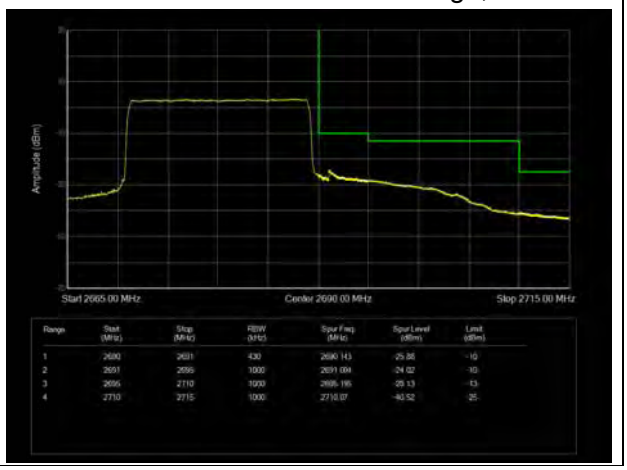

LTE Band 41 64QAM 20MHz CH-High, 1 RB




LTE Band 41 64QAM 20MHz CH-Low, 100%RB




LTE Band 41 64QAM 20MHz CH-High, 100%RB

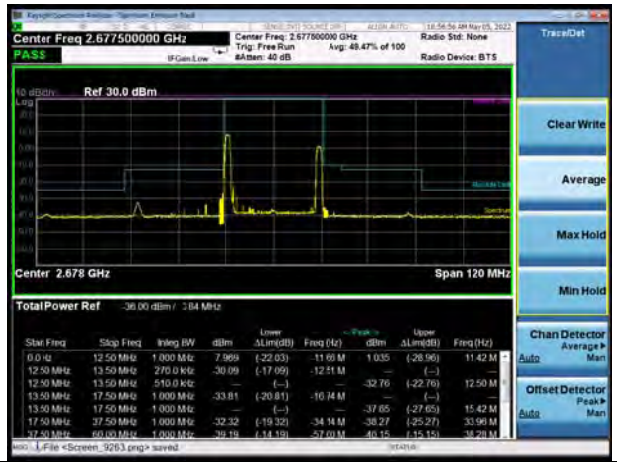




*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

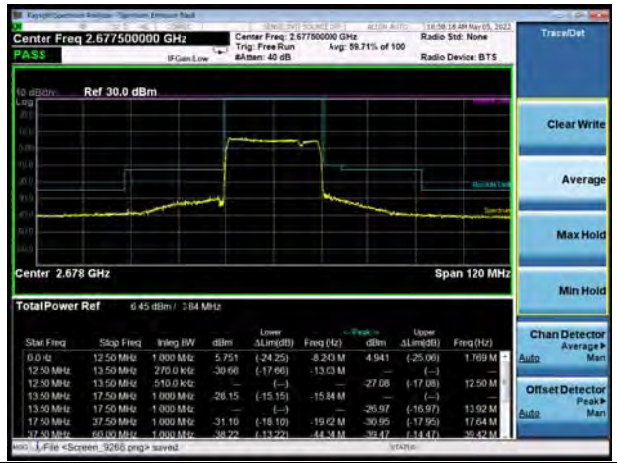
CA_41C QPSK 20MHz+5MHz CH-Low, RB 1


CA_41C QPSK 20MHz+5MHz CH- High, RB 1

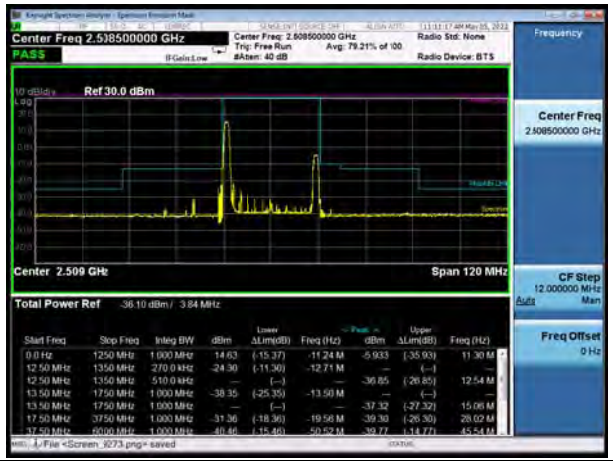



CA_41C QPSK 20MHz+5MHz CH-Low, 100%RB

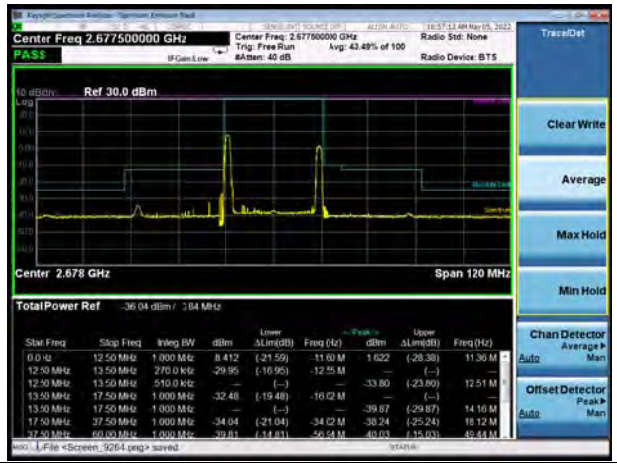

CA_41C QPSK 20MHz+5MHz CH- High, 100%RB




CA_41C 16QAM 20MHz+5MHz CH-Low, RB 1




CA_41C 16QAM 20MHz+5MHz CH- High, RB 1

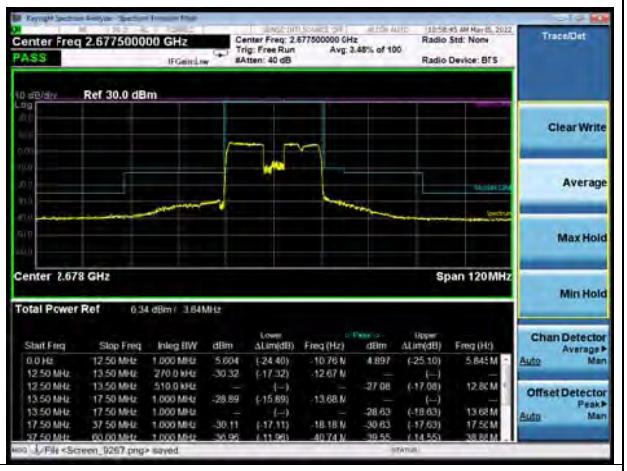




*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

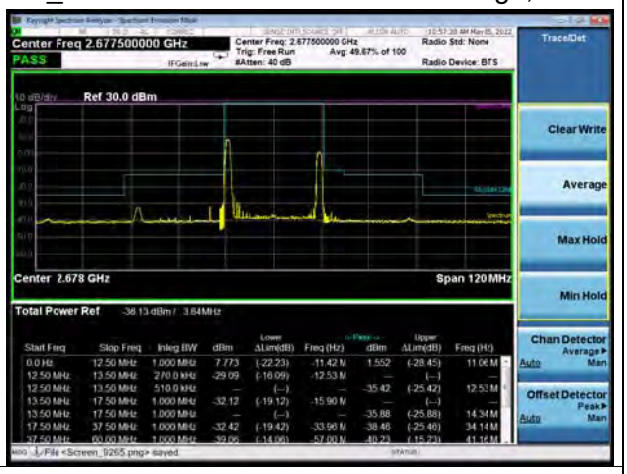
CA_41C 16QAM 20MHz+5MHz CH-Low, 100%RB


CA_41C 16QAM 20MHz+5MHz CH- High, 100%RB

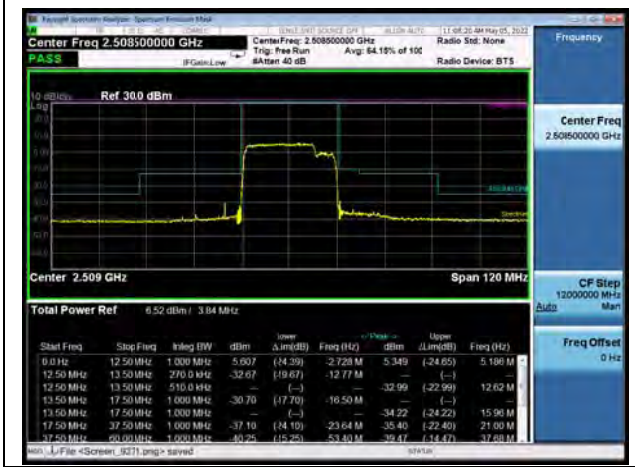



CA_41C 64QAM 20MHz+5MHz CH-Low, RB 1


CA_41C 64QAM 20MHz+5MHz CH- High, RB 1




CA_41C 64QAM 20MHz+5MHz CH-Low, 100%RB

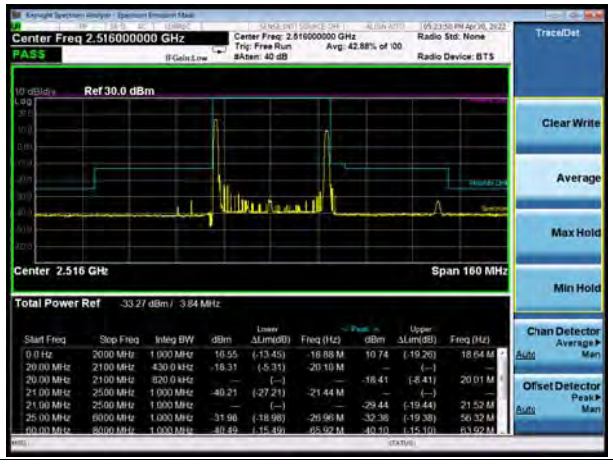



CA_41C 64QAM 20MHz+5MHz CH- High, 100%RB

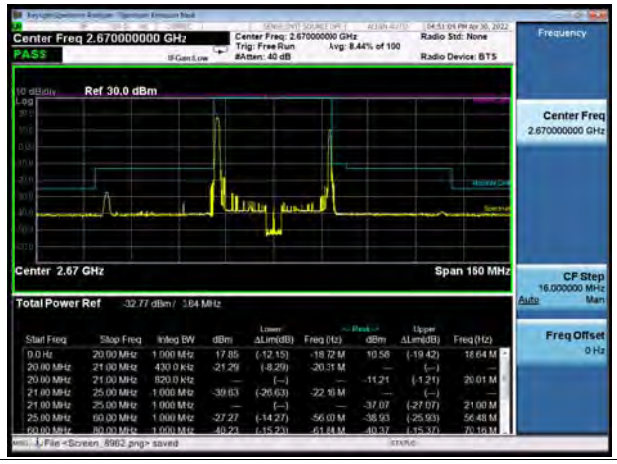


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

CA_41C QPSK 20MHz+20MHz CH-Low, RB 1



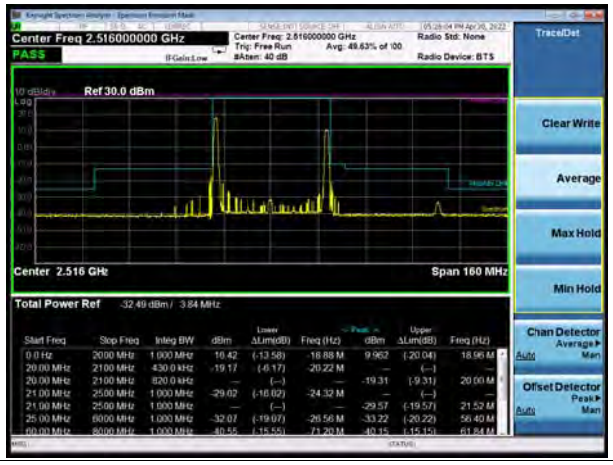

CA_41C QPSK 20MHz+20MHz CH- High, RB 1




CA_41C QPSK 20MHz+20MHz CH-Low, 100%RB


CA_41C QPSK 20MHz+20MHz CH- High, 100%RB


CA_41C 16QAM 20MHz+20MHz CH-Low, RB 1




CA_41C 16QAM 20MHz+20MHz CH- High, RB 1

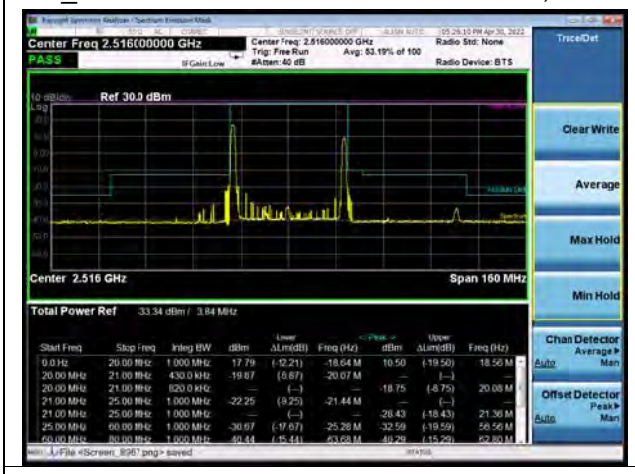


*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*

CA_41C 16QAM 20MHz+20MHz CH-Low, 100%RB


CA_41C 16QAM 20MHz+20MHz CH- High, 100%RB


CA_41C 64QAM 20MHz+20MHz CH-Low, RB 1




CA_41C 64QAM 20MHz+20MHz CH- High, RB 1


CA_41C 64QAM 20MHz+20MHz CH-Low, 100%RB


CA_41C 64QAM 20MHz+20MHz CH- High, 100%RB



*This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.*