



## RF TEST REPORT

**Applicant** MeiG Smart Technology Co., Ltd  
**FCC ID** 2APJ4-SLM750VA  
**Product** SLM750  
**Brand** MEIGLink  
**Model** SLM750  
**Report No.** R2208A0783-R4  
**Issue Date** September 9, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2021)/ FCC CFR 47 Part 90S (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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## Summary of measurement results

| No. | Test Case                                    | Clause in FCC rules | Verdict |
|-----|----------------------------------------------|---------------------|---------|
| 1   | RF Power Output and Effective Radiated Power | 2.1046/90.635(b)    | PASS    |
| 2   | Occupied Bandwidth                           | 2.1049/ 90.209      | PASS    |
| 3   | Emission Masks                               | 2.1051 / 90.691     | PASS    |
| 4   | Peak-to-Average Power Ratio                  | KDB 971168 D01(5.7) | PASS    |
| 5   | Frequency Stability                          | 2.1055 / 90.213     | PASS    |
| 6   | Spurious Emissions at Antenna Terminals      | 2.1051 / 90.691     | PASS    |
| 7   | Radiates Spurious Emission                   | 2.1053 /90.691      | PASS    |

Date of Testing: September 3, 2019 ~ September 24, 2019

Date of Sample Received: (R2208A0783): August 25, 2022

Note: 1. PASS: The EUT complies with the essential requirements in the standard.

FAIL: The EUT does not comply with the essential requirements in the standard.

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.

2. SLM750 (Report No.: R2208A0783-R4) is a variant model of SLM750 (Report No.: R1908A0527-R4V1). Test values all duplicated from Original for variant. There is no test for variant in this report.

**The difference between model SLM750 (Variant) and SLM750 (Original) is show in the below table:**

|          | Model            | SLM750 (Variant)                          | SLM750 (Original)     |
|----------|------------------|-------------------------------------------|-----------------------|
| Hardware | Hardware Version | SLM750-V_MB_V1.01                         | SLM750-V_MB_V1.00     |
| Software | Software Version | SLM750-V_4.0.14_EQ101                     | SLM750-V_2.0.2D_EQ100 |
|          | Frequency band   | Software opens B7 and b66 frequency bands | /                     |
| Others   | The same         |                                           |                       |

Notes: The SLM750 (Variant) support LTE band 2/4/5/7/12/13/17/25/26/41/66, WCDMA B2/4/5, GSM 850/1900;

The SLM750 (Original) support LTE band 2/4/5/12/13/17/25/26/41, WCDMA B2/4/5, GSM 850/1900;

**The detailed product change description please refers to the Difference Declaration Letter.**



## 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 electromagnetic emissions measurements.

#### **A2LA (Certificate Number: 3857.01)**

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

### 1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.  
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## 2. General Description of Equipment under Test

### 2.1. Applicant and Manufacturer Information

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Applicant            | MeiG Smart Technology Co., Ltd                                                               |
| Applicant address    | 2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen |
| Manufacturer         | MeiG Smart Technology Co., Ltd                                                               |
| Manufacturer address | 2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen |

### 2.2. General Information

| EUT Description                                                                                             |                                                                                                                 |           |           |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------|-----------|
| Model                                                                                                       | SLM750                                                                                                          |           |           |
| IMEI                                                                                                        | 863879041726491                                                                                                 |           |           |
| Hardware Version                                                                                            | SLM750-V_MB_V1.01                                                                                               |           |           |
| Software Version                                                                                            | SLM750-V_4.0.14_EQ101                                                                                           |           |           |
| Power Supply                                                                                                | External Power Supply                                                                                           |           |           |
| Antenna Type                                                                                                | The EUT don't have standard Antenna. The Antenna used for testing in this report is the after-market accessory. |           |           |
| Antenna Gain                                                                                                | 1.8dBi                                                                                                          |           |           |
| Test Mode(s)                                                                                                | LTE Band 26;                                                                                                    |           |           |
| Test Modulation                                                                                             | QPSK 16QAM;                                                                                                     |           |           |
| LTE Category                                                                                                | 4                                                                                                               |           |           |
| Maximum E.R.P.                                                                                              | LTE Band 26:                                                                                                    | 22.95dBm  |           |
| Rated Power Supply Voltage                                                                                  | 3.8V                                                                                                            |           |           |
| Extreme Voltage                                                                                             | Minimum: 3.3V      Maximum: 4.2V                                                                                |           |           |
| Extreme Temperature                                                                                         | Lowest: -40°C      Highest: +85°C                                                                               |           |           |
| Testing Temperature                                                                                         | Lowest: -40°C      Highest: +90°C                                                                               |           |           |
| Operating Frequency Range(s)                                                                                | Band                                                                                                            | Tx (MHz)  | Rx (MHz)  |
|                                                                                                             | LTE Band 26                                                                                                     | 814 ~ 824 | 859 ~ 869 |
| Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. |                                                                                                                 |           |           |



### 3. Applied Standards

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

**Test standards:**

**FCC CFR 47 Part 90S (2021)**

**FCC CFR47 Part 2 (2021)**

**Reference standard:**

**ANSI C63.26-2015**

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

## 4. Test Configuration

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 (X axis, vertical polarization) and the worst case was recorded.

All mode and data rates and positions were investigated.

The following testing in LTE is set based on the maximum RF Output Power.

Test modes are chosen as the worst case configuration below for LTE Band 26

| Test items                              | Bandwidth (MHz)                                                                                                                       |   |   |    |    | Modulation |       | RB |     |      | Test Channel |   |   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---|---|----|----|------------|-------|----|-----|------|--------------|---|---|
|                                         | 1.4                                                                                                                                   | 3 | 5 | 10 | 15 | QPSK       | 16QAM | 1  | 50% | 100% | L            | M | H |
| RF power output                         | O                                                                                                                                     | O | O | O  | O  | O          | O     | O  | O   | O    | O            | O | O |
| Effective Isotropic Radiated power      | O                                                                                                                                     | O | O | O  | O  | O          | O     | O  | O   | O    | O            | O | O |
| Occupied Bandwidth                      | O                                                                                                                                     | O | O | O  | O  | O          | O     | -  | -   | O    | -            | O | - |
| Emission Mask                           | O                                                                                                                                     | O | O | O  | O  | O          | O     | O  | -   | O    | O            | - | O |
| Peak-to-Average Power Ratio             | O                                                                                                                                     | O | O | O  | O  | O          | O     | -  | -   | O    | -            | O | - |
| Frequency Stability                     | O                                                                                                                                     | O | O | O  | O  | O          | O     | O  | O   | O    | O            | O | O |
| Spurious Emissions at Antenna Terminals | O                                                                                                                                     | O | O | O  | O  | O          | O     | O  | O   | O    | O            | O | O |
| Radiates Spurious Emission              | O                                                                                                                                     | - | O | 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. |   |   |    |    |            |       |    |     |      |              |   |   |

## 5. Test Case

### 5.1. RF Power Output and Effective Radiated Power

#### Ambient condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

#### 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.

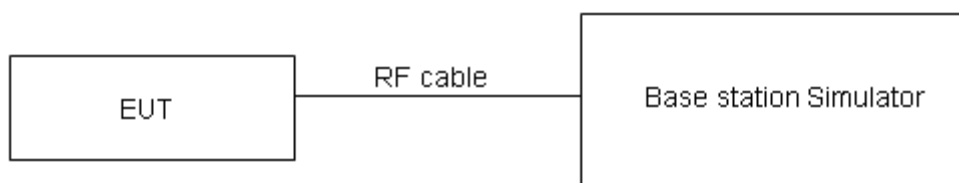
ERP can then be calculated as follows:

$$\text{EIRP (dBm)} = \text{Output Power (dBm)} - \text{Losses (dB)} + \text{Antenna Gain (dBi)}$$

where:dBd refers to gain relative to an ideal dipole.

$$\text{EIRP (dBm)} = \text{ERP (dBm)} + 2.15 \text{ (dB.)}$$

#### Test Setup



#### Limits

Part 90.635 (b) the maximum output power of the transmitter for mobile stations is 100 watts.

Rule Part 90.635(b) specifies that “The maximum output power of the transmitter for mobile stations is 100 watts”.

| Limit | ≤ 100 W (50 dBm) |
|-------|------------------|
|-------|------------------|

#### 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.

#### Test Results

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



## 5.2. Occupied Bandwidth

### Ambient condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

### 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.

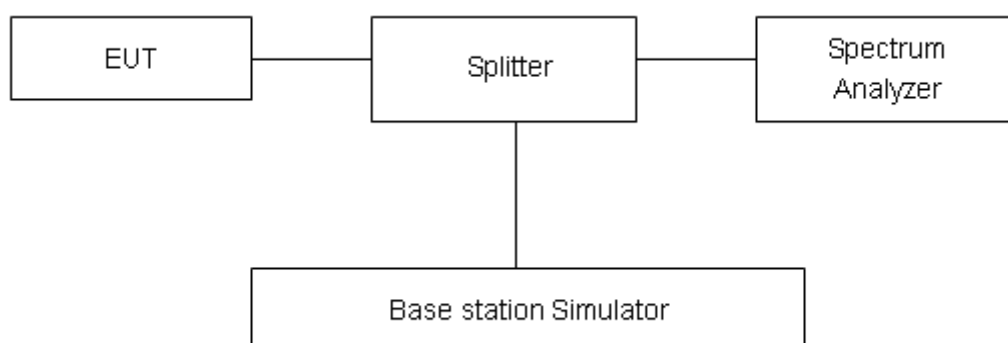
RBW is set to 51 kHz, VBW is set to 160 kHz for LTE Band 26 (1.4MHz),

RBW is set to 100 kHz, VBW is set to 300 kHz for LTE Band 26 (3MHz/5MHz).

RBW is set to 300 kHz, VBW is set to 1MHz for LTE Band 26 (10MHz).

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.

Part 90.209 (a) Each authorization issued to a station licensed under this part will show an emission designator representing the class of emission authorized. The designator will be prefixed by a specified necessary bandwidth. This number does not necessarily indicate the bandwidth occupied by the emission at any instant. In those cases where part 2.202 of this chapter does not provide a formula for the computation of necessary bandwidth, the occupied bandwidth, as defined in part 2 of this chapter, may be used in lieu of the necessary bandwidth.

### Measurement Uncertainty

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

### Test Results

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

### 5.3. Emission Mask

#### Ambient condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

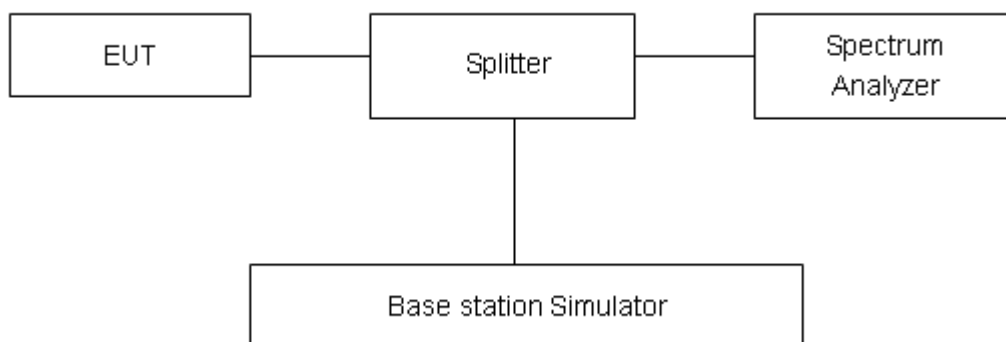
#### Method of Measurement

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 average detector is used.

RBW is set to 15kHz,VBW is set to 51kHz.

Spectrum analyzer plots are included on the following pages.

#### Test Setup



#### Limits

Rule Part 90.691(a) specifies that “ For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.”

#### Measurement Uncertainty

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

#### Test Results

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

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

### Ambient condition

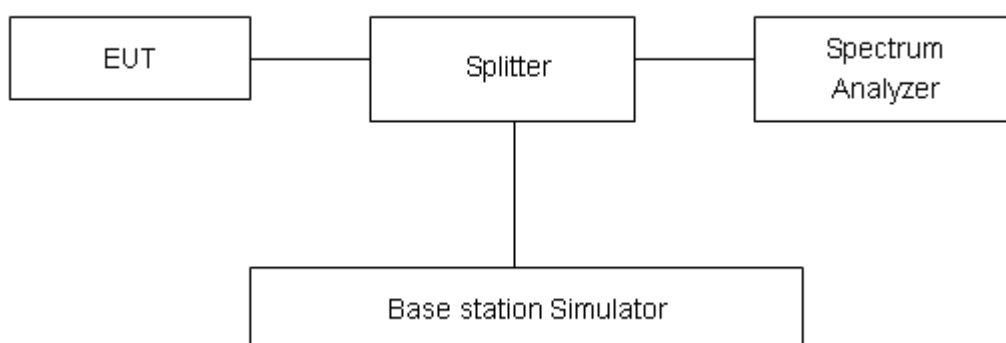
| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

### 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

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 in 24.232(d).

### 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.

### Test Results

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

## 5.5. Frequency Stability

### Ambient condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

### Method of Measurement

#### 1. Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -40°C to +85°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 -40°C to +85°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

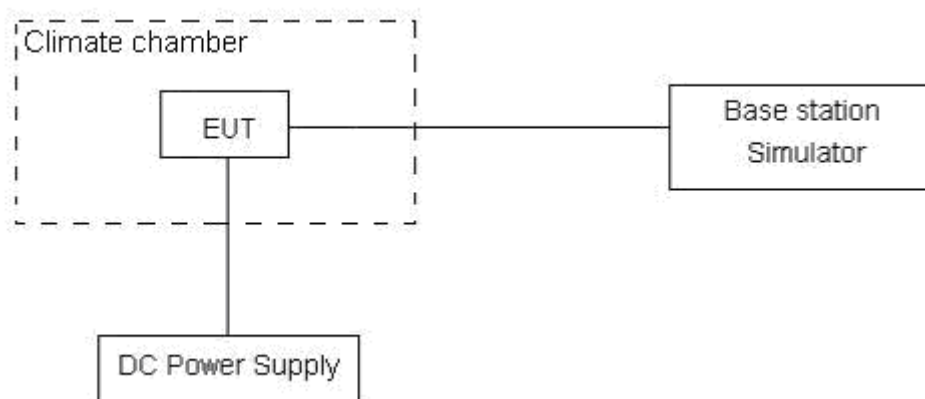
#### 2. Frequency Stability (Voltage Variation)

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 3.3 V and 4.2 V, with a nominal voltage of 3.8V.

### Test setup



## Limits

According to the Sec. 90.213.(a) Unless noted elsewhere, transmitters used in the services governed by this part must have a minimum frequency stability as specified in the following table.

Minimum Frequency Stability

[Parts per million (ppm)]

| Frequency range<br>(MHz) | Fixed and base<br>stations | Mobile stations              |                                 |
|--------------------------|----------------------------|------------------------------|---------------------------------|
|                          |                            | Over 2 watts output<br>power | 2 watts or less output<br>power |
| 814 ~ 824                | 1.5                        | 2.5                          | 2.5                             |

## Measurement Uncertainty

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

## Test Results

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

## 5.6. Spurious Emissions at Antenna Terminals

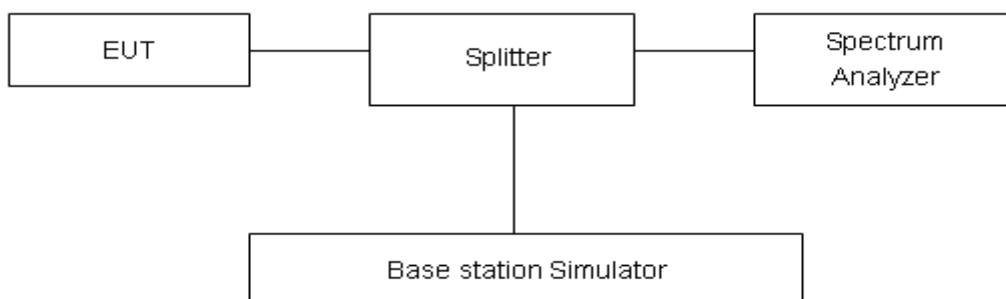
### Ambient condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

### 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 30MHz to the 10th harmonic of the carrier. The peak detector is used. RBW and VBW are set to 100 kHz, Sweep is set to ATUO.

### Test setup



### Limits

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.”

| Limit | -13 dBm |
|-------|---------|
|-------|---------|

### Measurement Uncertainty

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

| Frequency     | Uncertainty |
|---------------|-------------|
| 9kHz-1GHz     | 0.684 dB    |
| 1GHz-12.75GHz | 1.407 dB    |

### Test Results

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

## 5.7. Radiates Spurious Emission

### Ambient condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 21°C ~25°C  | 40%~60%           |

### Method of Measurement

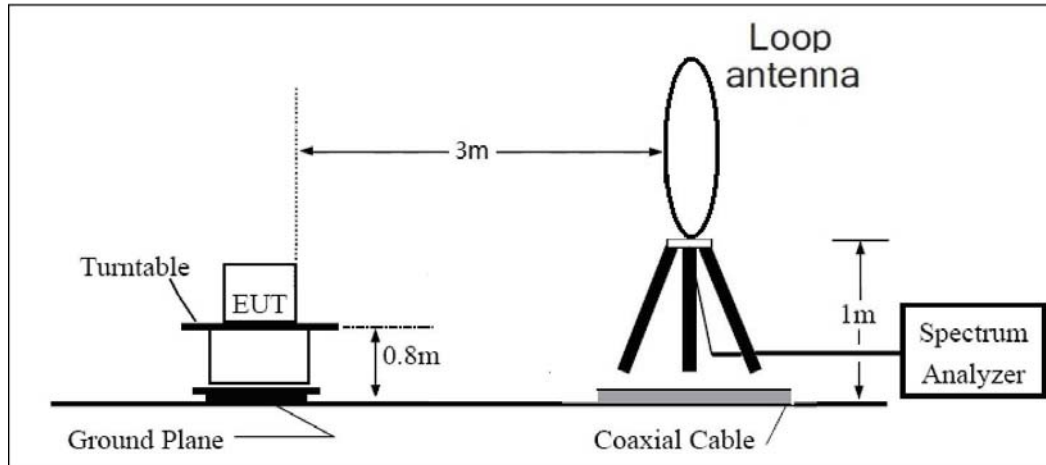
1. The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26-2015.
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable 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, 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:  
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
  
The measurement results are amend as described below:  
$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP

= EIRP-2.15dBi.

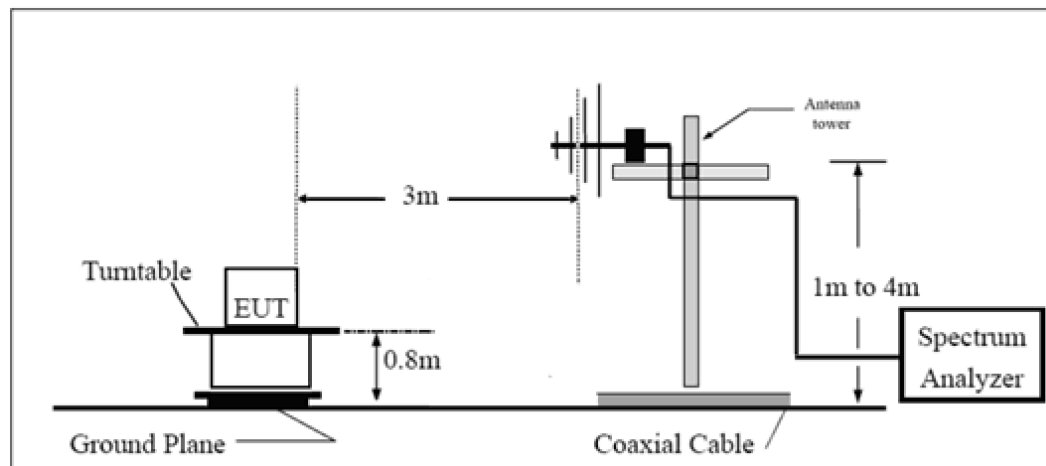
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

### Test setup

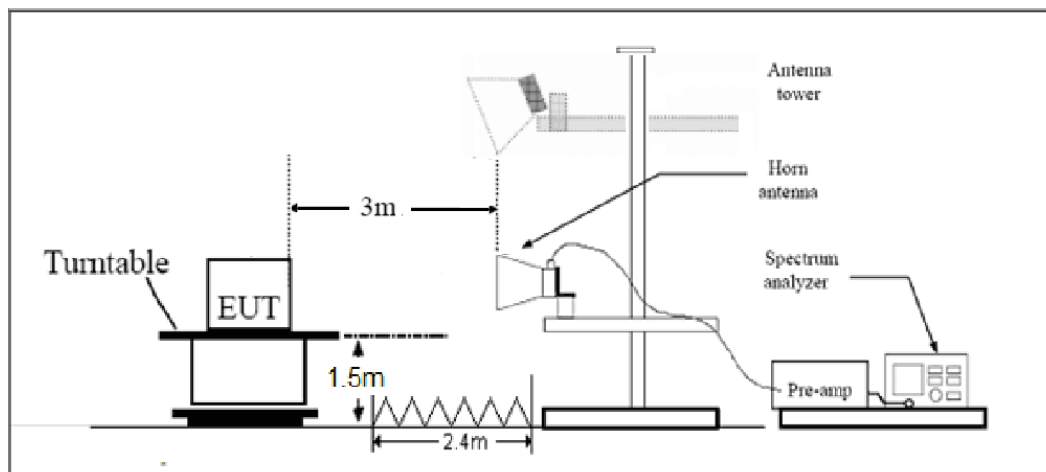
#### 9KHz~ 30MHz



#### 30MHz~ 1GHz



#### Above 1GHz



Note: Area side:2.4mX3.6m



## Limits

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.”

|       |         |
|-------|---------|
| Limit | -13 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.

## 6. Test Results

### 6.1. RF Power Output and Effective Radiated Power

| LTE Band 26 |            |         |           | Maximum Output Power(dBm) |               |                 | ERP (dBm)       |               |                 |
|-------------|------------|---------|-----------|---------------------------|---------------|-----------------|-----------------|---------------|-----------------|
| BW          | Modulation | RB size | RB offset | Channel/Frequency(MHz)    |               |                 |                 |               |                 |
|             |            |         |           | 26697/8<br>14.7           | 26740/8<br>19 | 26783/8<br>23.3 | 26697/8<br>14.7 | 26740/8<br>19 | 26783/8<br>23.3 |
| 1.4MHz      | QPSK       | 1       | 0         | 22.91                     | 23.21         | 23.10           | 22.56           | 22.86         | 22.75           |
|             |            | 1       | 2         | 23.00                     | 23.19         | 23.02           | 22.65           | 22.84         | 22.67           |
|             |            | 1       | 5         | 22.93                     | 23.30         | 23.15           | 22.58           | 22.95         | 22.8            |
|             |            | 3       | 0         | 22.16                     | 22.10         | 22.21           | 21.81           | 21.75         | 21.86           |
|             |            | 3       | 2         | 22.12                     | 22.14         | 22.19           | 21.77           | 21.79         | 21.84           |
|             |            | 3       | 3         | 22.12                     | 22.30         | 22.18           | 21.77           | 21.95         | 21.83           |
|             |            | 6       | 0         | 22.09                     | 22.32         | 22.30           | 21.74           | 21.97         | 21.95           |
|             | 16QAM      | 1       | 0         | 22.48                     | 21.84         | 21.66           | 22.13           | 21.49         | 21.31           |
|             |            | 1       | 2         | 22.62                     | 21.90         | 21.71           | 22.27           | 21.55         | 21.36           |
|             |            | 1       | 5         | 22.41                     | 21.95         | 21.42           | 22.06           | 21.60         | 21.07           |
|             |            | 3       | 0         | 21.14                     | 21.20         | 21.24           | 20.79           | 20.85         | 20.89           |
|             |            | 3       | 2         | 21.08                     | 21.23         | 21.22           | 20.73           | 20.88         | 20.87           |
|             |            | 3       | 3         | 21.01                     | 21.46         | 21.17           | 20.66           | 21.11         | 20.82           |
|             |            | 6       | 0         | 21.24                     | 21.42         | 21.51           | 20.89           | 21.07         | 21.16           |
| BW          | Modulation | RB size | RB offset | Channel/Frequency(MHz)    |               |                 |                 |               |                 |
|             |            |         |           | 26705/8<br>15.5           | 26740/8<br>19 | 26775/8<br>22.5 | 26705/8<br>15.5 | 26740/8<br>19 | 26775/8<br>22.5 |
| 3MHz        | QPSK       | 1       | 0         | 22.90                     | 23.17         | 23.08           | 22.55           | 22.82         | 22.73           |
|             |            | 1       | 7         | 22.98                     | 23.18         | 22.99           | 22.63           | 22.83         | 22.64           |
|             |            | 1       | 14        | 22.90                     | 23.25         | 23.11           | 22.55           | 22.90         | 22.76           |
|             |            | 8       | 0         | 22.14                     | 22.06         | 22.18           | 21.79           | 21.71         | 21.83           |
|             |            | 8       | 4         | 22.09                     | 22.09         | 22.15           | 21.74           | 21.74         | 21.8            |
|             |            | 8       | 7         | 22.09                     | 22.27         | 22.14           | 21.74           | 21.92         | 21.79           |
|             |            | 15      | 0         | 22.07                     | 22.28         | 22.25           | 21.72           | 21.93         | 21.9            |
|             | 16QAM      | 1       | 0         | 22.43                     | 21.82         | 21.64           | 22.08           | 21.47         | 21.29           |
|             |            | 1       | 7         | 22.60                     | 21.87         | 21.69           | 22.25           | 21.52         | 21.34           |
|             |            | 1       | 14        | 22.38                     | 21.91         | 21.39           | 22.03           | 21.56         | 21.04           |
|             |            | 8       | 0         | 21.11                     | 21.18         | 21.21           | 20.76           | 20.83         | 20.86           |



|       |            | 8       | 4         | 21.05                  | 21.18         | 21.18           | 20.70           | 20.83         | 20.83           |
|-------|------------|---------|-----------|------------------------|---------------|-----------------|-----------------|---------------|-----------------|
|       |            | 8       | 7         | 20.99                  | 21.42         | 21.14           | 20.64           | 21.07         | 20.79           |
|       |            | 15      | 0         | 21.21                  | 21.37         | 21.47           | 20.86           | 21.02         | 21.12           |
| BW    | Modulation | RB size | RB offset | Channel/Frequency(MHz) |               |                 |                 |               |                 |
|       |            |         |           | 26715/8<br>16.5        | 26740/8<br>19 | 26765/8<br>22.5 | 26715/8<br>16.5 | 26740/8<br>19 | 26765/8<br>22.5 |
| 5MHz  | QPSK       | 1       | 0         | 22.87                  | 23.13         | 23.05           | 22.52           | 22.78         | 22.70           |
|       |            | 1       | 13        | 22.97                  | 23.14         | 22.97           | 22.62           | 22.79         | 22.62           |
|       |            | 1       | 24        | 22.88                  | 23.24         | 23.08           | 22.53           | 22.89         | 22.73           |
|       |            | 12      | 0         | 22.11                  | 22.01         | 22.14           | 21.76           | 21.66         | 21.79           |
|       |            | 12      | 6         | 22.07                  | 22.05         | 22.12           | 21.72           | 21.70         | 21.77           |
|       |            | 12      | 13        | 22.06                  | 22.22         | 22.10           | 21.71           | 21.87         | 21.75           |
|       |            | 25      | 0         | 22.04                  | 22.23         | 22.21           | 21.69           | 21.88         | 21.86           |
|       | 16QAM      | 1       | 0         | 22.41                  | 21.78         | 21.59           | 22.06           | 21.43         | 21.24           |
|       |            | 1       | 13        | 22.56                  | 21.85         | 21.65           | 22.21           | 21.50         | 21.3            |
|       |            | 1       | 24        | 22.36                  | 21.88         | 21.37           | 22.01           | 21.53         | 21.02           |
|       |            | 12      | 0         | 21.08                  | 21.14         | 21.18           | 20.73           | 20.79         | 20.83           |
|       |            | 12      | 6         | 21.02                  | 21.16         | 21.15           | 20.67           | 20.81         | 20.8            |
|       |            | 12      | 13        | 20.96                  | 21.37         | 21.10           | 20.61           | 21.02         | 20.75           |
|       |            | 25      | 0         | 21.19                  | 21.33         | 21.44           | 20.84           | 20.98         | 21.09           |
| BW    | Modulation | RB size | RB offset | Channel/Frequency(MHz) |               |                 |                 |               |                 |
|       |            |         |           | /                      | 26740/8<br>19 | /               | /               | 26740/8<br>19 | /               |
| 10MHz | QPSK       | 1       | 0         | /                      | 22.91         | /               | /               | 22.56         | /               |
|       |            | 1       | 25        | /                      | 23.20         | /               | /               | 22.85         | /               |
|       |            | 1       | 49        | /                      | 23.12         | /               | /               | 22.77         | /               |
|       |            | 25      | 0         | /                      | 21.82         | /               | /               | 21.47         | /               |
|       |            | 25      | 13        | /                      | 21.83         | /               | /               | 21.48         | /               |
|       |            | 25      | 25        | /                      | 21.84         | /               | /               | 21.49         | /               |
|       |            | 50      | 0         | /                      | 21.93         | /               | /               | 21.58         | /               |
|       | 16QAM      | 1       | 0         | /                      | 21.46         | /               | /               | 21.11         | /               |
|       |            | 1       | 25        | /                      | 21.35         | /               | /               | 21.00         | /               |
|       |            | 1       | 49        | /                      | 21.45         | /               | /               | 21.10         | /               |
|       |            | 25      | 0         | /                      | 21.10         | /               | /               | 20.75         | /               |
|       |            | 25      | 13        | /                      | 21.14         | /               | /               | 20.79         | /               |
|       |            | 25      | 25        | /                      | 21.21         | /               | /               | 20.86         | /               |
|       |            | 50      | 0         | /                      | 21.03         | /               | /               | 20.68         | /               |

## 6.2. Occupied Bandwidth

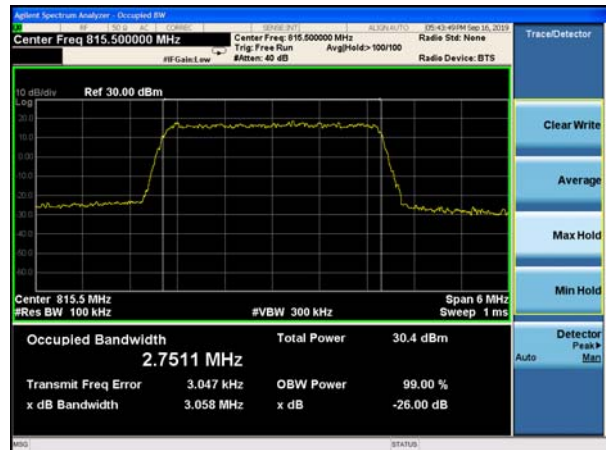
| LTE Band 26 |            |                 |         |                 |                          |                       |
|-------------|------------|-----------------|---------|-----------------|--------------------------|-----------------------|
| RB          | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Power Bandwidth(MHz) | -26dBc Bandwidth(MHz) |
| 100%        | QPSK       | 1.4             | 26697   | 814.7           | 1.1227                   | 1.349                 |
|             |            |                 | 26740   | 819             | 1.1250                   | 1.359                 |
|             |            |                 | 26783   | 823.3           | 1.1263                   | 1.336                 |
|             |            | 3               | 26705   | 815.5           | 2.7511                   | 3.058                 |
|             |            |                 | 26740   | 819             | 2.7382                   | 3.063                 |
|             |            |                 | 26775   | 822.5           | 2.7393                   | 3.051                 |
|             |            | 5               | 26715   | 816.5           | 4.5044                   | 4.969                 |
|             |            |                 | 26740   | 819             | 4.5042                   | 4.986                 |
|             |            |                 | 26765   | 821.5           | 4.5113                   | 5.040                 |
|             |            | 10              | 26740   | 819             | 8.9915                   | 10.06                 |
|             | 16QAM      | 1.4             | 26697   | 814.7           | 1.1214                   | 1.334                 |
|             |            |                 | 26740   | 819             | 1.1212                   | 1.332                 |
|             |            |                 | 26783   | 823.3           | 1.1111                   | 1.344                 |
|             |            | 3               | 26705   | 815.5           | 2.7386                   | 3.056                 |
|             |            |                 | 26740   | 819             | 2.7260                   | 3.057                 |
|             |            |                 | 26775   | 822.5           | 2.7409                   | 3.065                 |
|             |            | 5               | 26715   | 816.5           | 4.522                    | 4.990                 |
|             |            |                 | 26740   | 819             | 4.5206                   | 5.028                 |
|             |            |                 | 26765   | 821.5           | 4.5002                   | 4.981                 |
|             |            | 10              | 26740   | 819             | 8.9881                   | 9.984                 |



## LTE Band 26 QPSK 1.4MHz CH Low



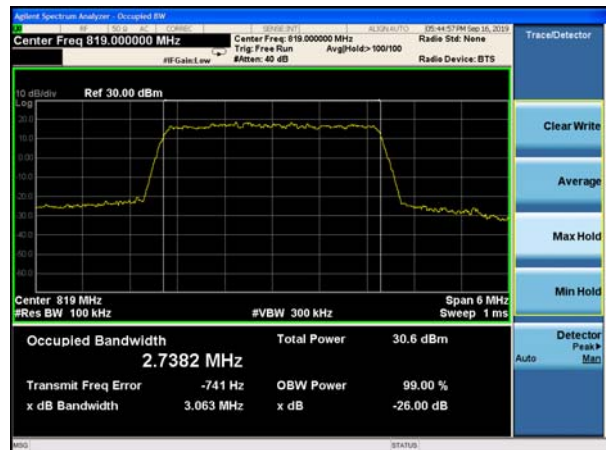
## LTE Band 26 QPSK 3MHz CH Low



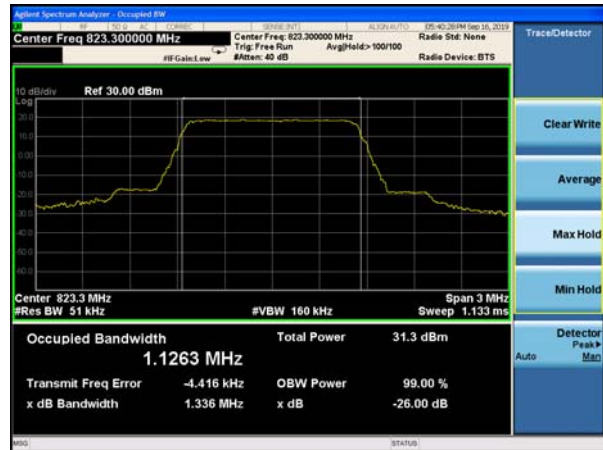
## LTE Band 26 QPSK 1.4MHz CH Middle



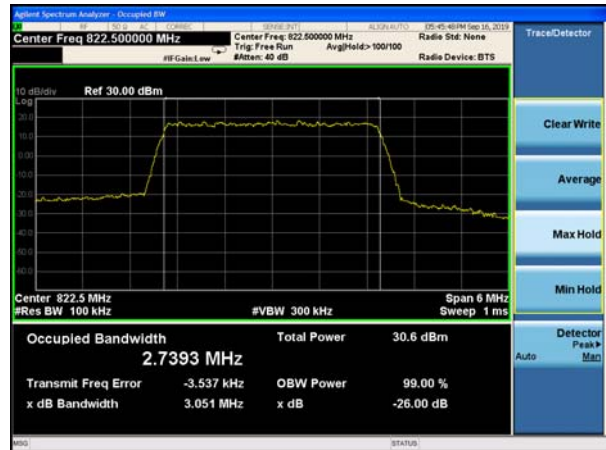
## LTE Band 26 QPSK 3MHz CH Middle



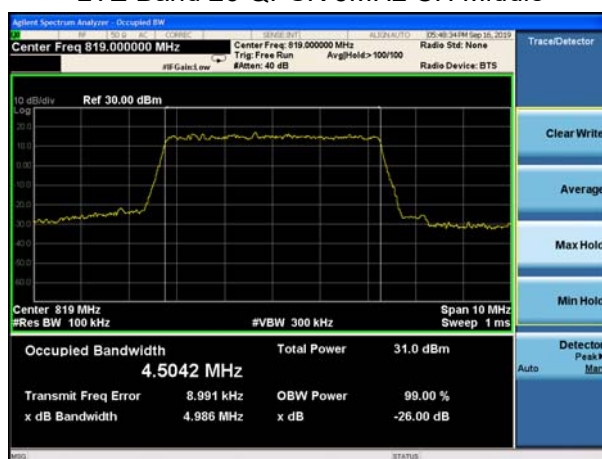
## LTE Band 26 QPSK 1.4MHz CH High



## LTE Band 26 QPSK 3MHz CH High



## LTE Band 26 QPSK 5MHz CH Middle

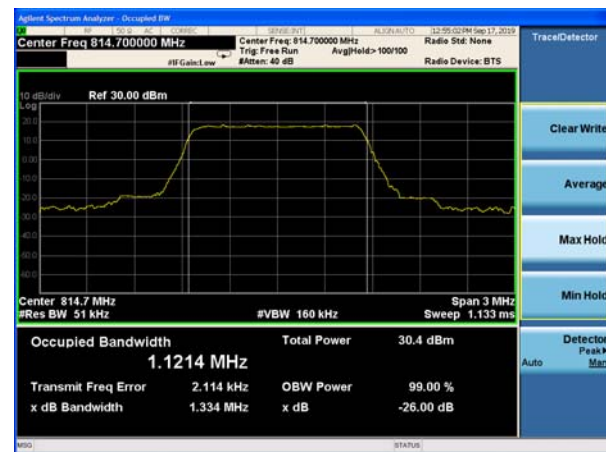


## LTE Band 26 QPSK 10MHz CH Middle

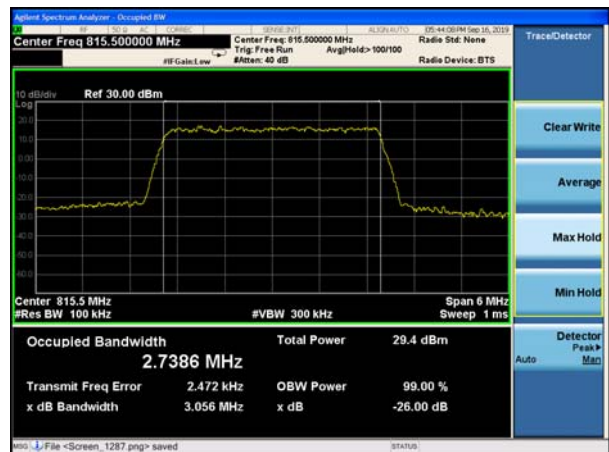




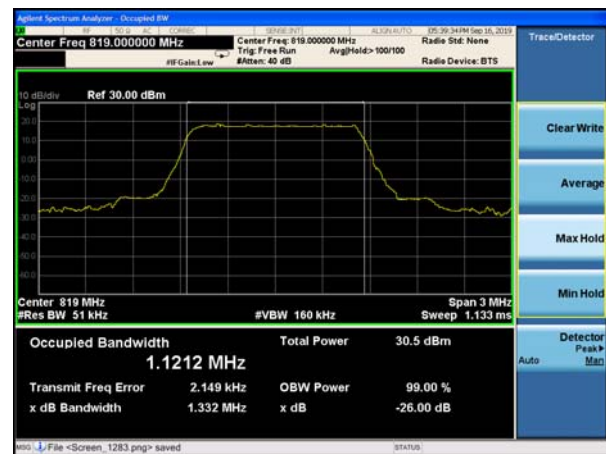
## LTE Band 26 16QAM 1.4MHz CH Low



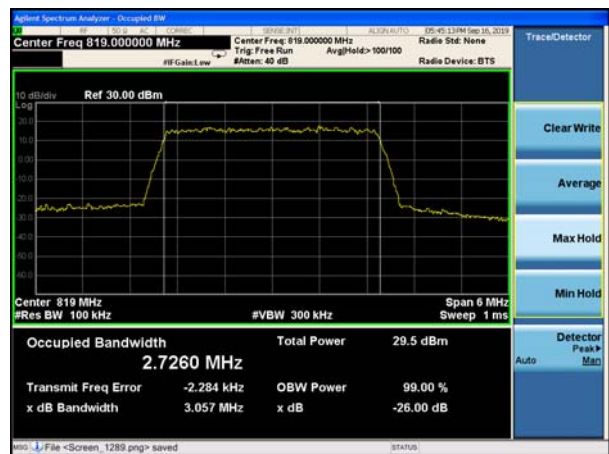
## LTE Band 26 16QAM 3MHz CH Low



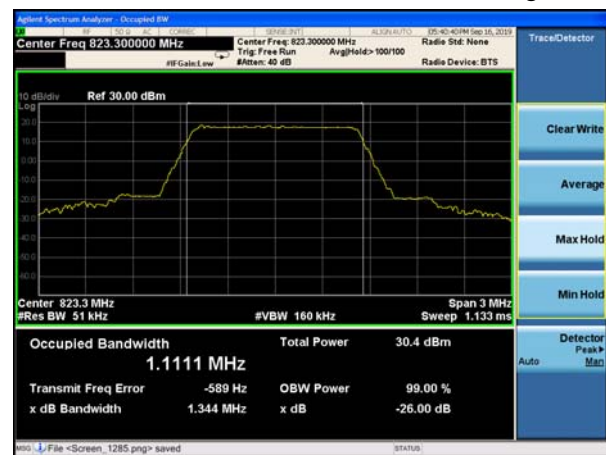
## LTE Band 26 16QAM 1.4MHz CH Middle



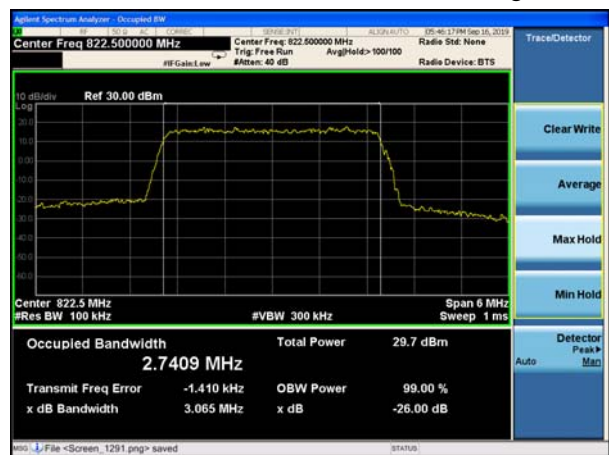
## LTE Band 26 16QAM 3MHz CH Middle



## LTE Band 26 16QAM 1.4MHz CH High



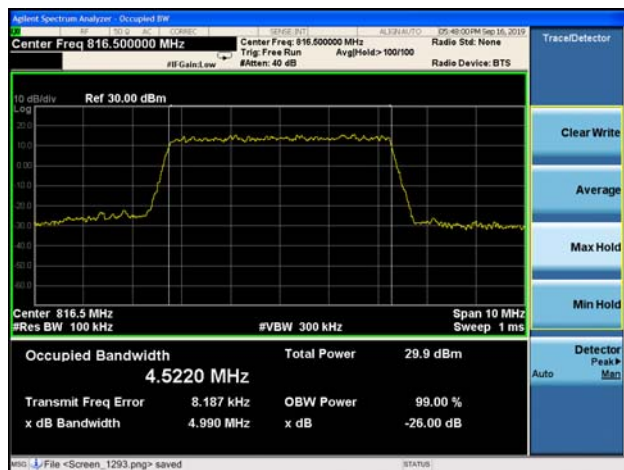
## LTE Band 26 16QAM 3MHz CH High







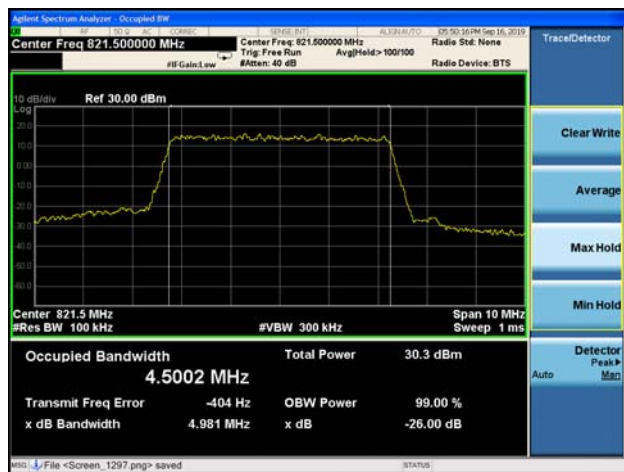
## LTE Band 26 16QAM 5MHz CH Low



## LTE Band 26 16QAM 5MHz CH Middle



## LTE Band 26 16QAM 5MHz CH High



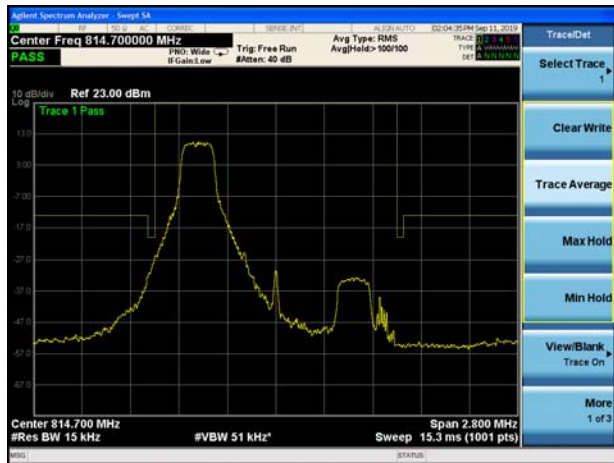
## LTE Band 26 16QAM 10MHz CH Middle





### 6.3. Emission Mask

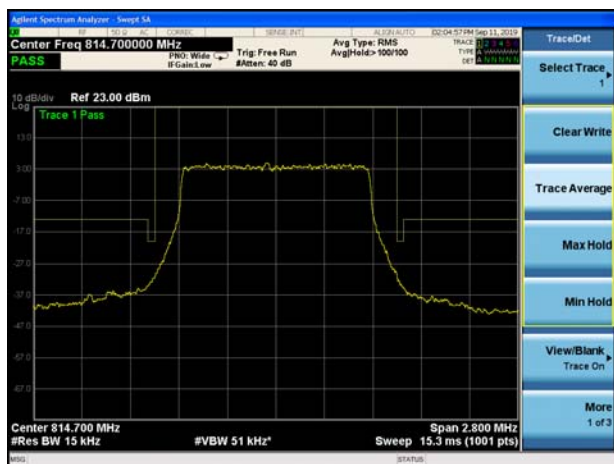
LTE Band 26 QPSK 1.4MHz CH-Low 1RB



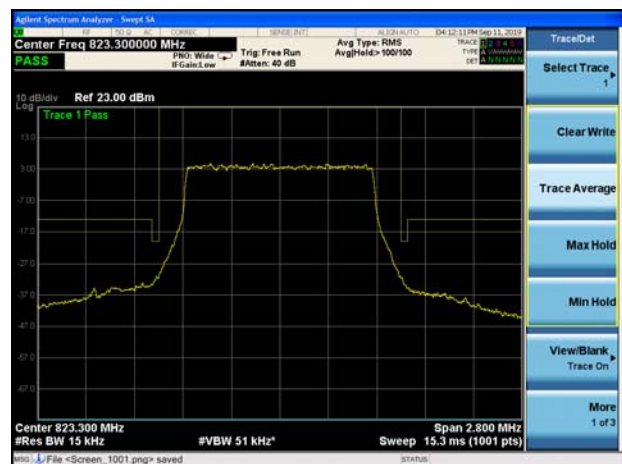
LTE Band 26 QPSK 1.4MHz CH-High 1RB



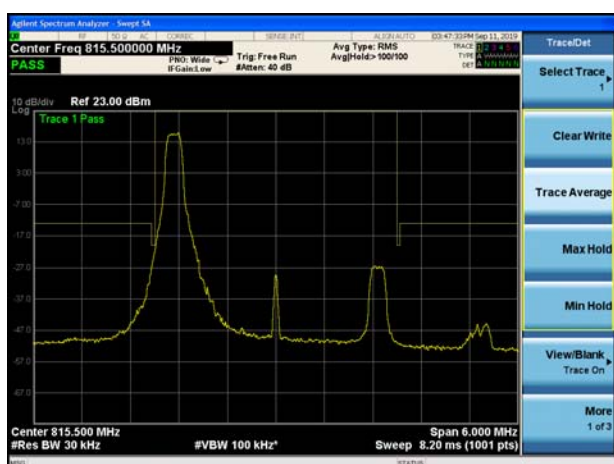
LTE Band 26 QPSK 1.4MHz CH-Low 100%RB



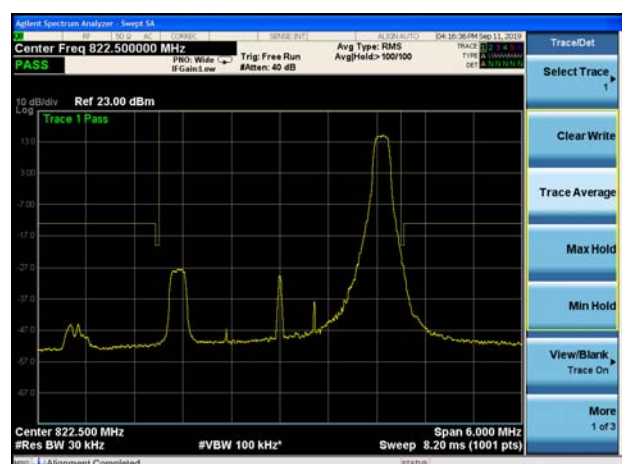
LTE Band 26 QPSK 1.4MHz CH-High 100%RB



LTE Band 26 QPSK 3MHz CH-Low 1RB

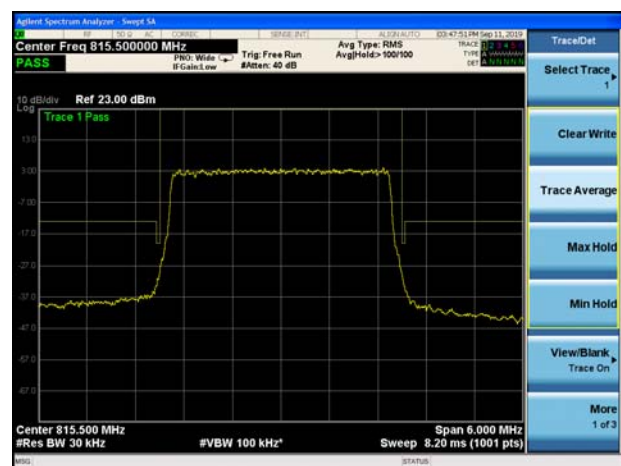


LTE Band 26 QPSK 3MHz CH-High 1RB





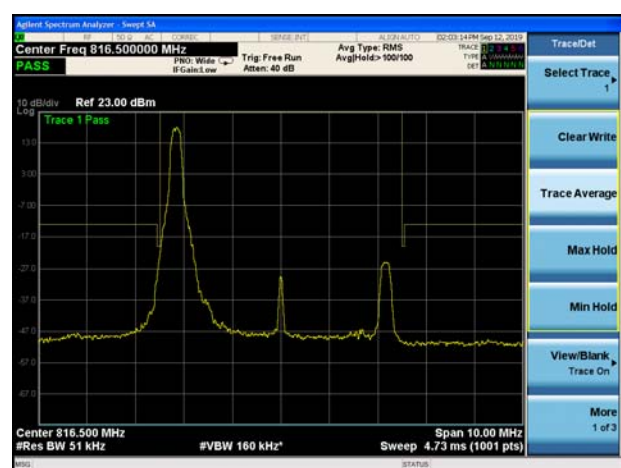
LTE Band 26 QPSK 3MHz CH-Low 100%RB



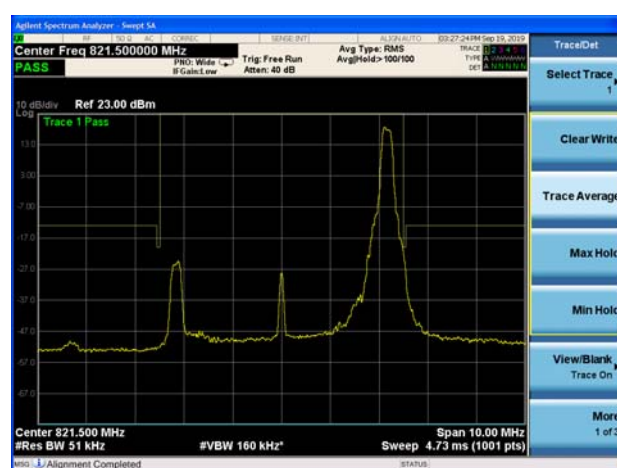
LTE Band 26 QPSK 3MHz CH-High 100%RB



LTE Band 26 QPSK 5MHz CH-Low 1RB



LTE Band 26 QPSK 5MHz CH-High 1RB



LTE Band 26 QPSK 5MHz CH-Low 100%RB

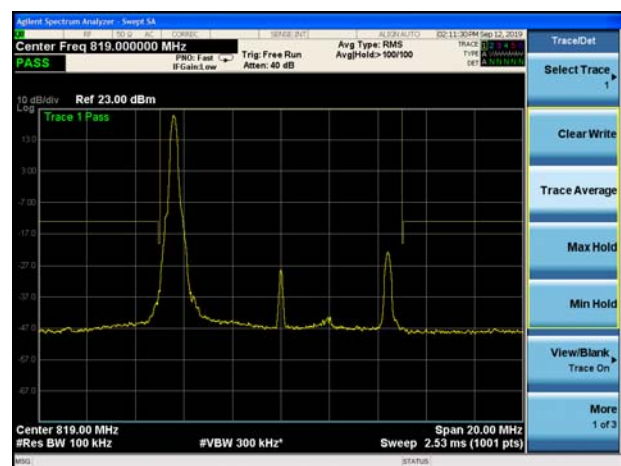


LTE Band 26 QPSK 5MHz CH-High 100%RB

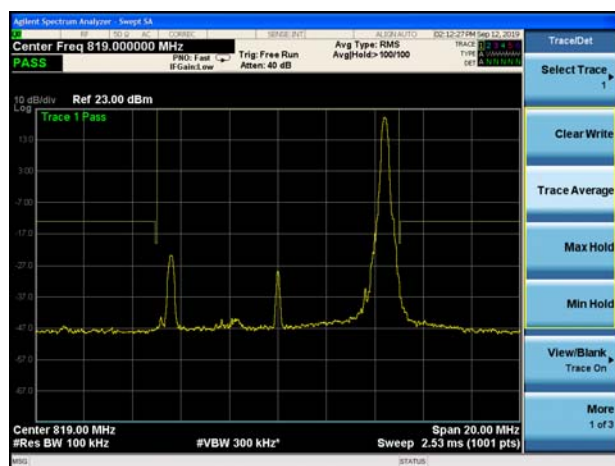




## LTE Band 26 QPSK 10MHz CH-Low 1RB



## LTE Band 26 QPSK 10MHz CH-High 1RB



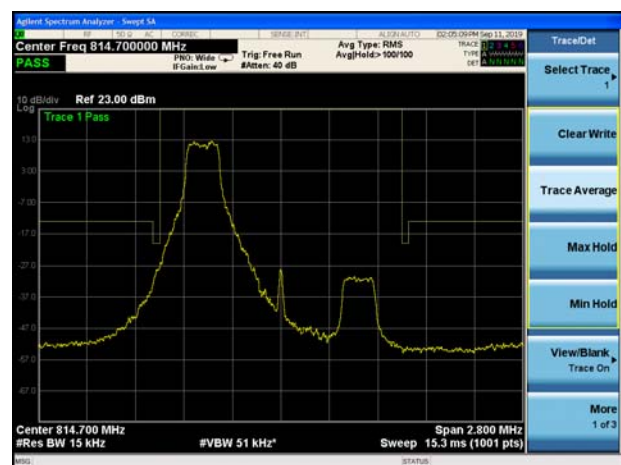
## LTE Band 26 QPSK 10MHz CH-Low 100%RB



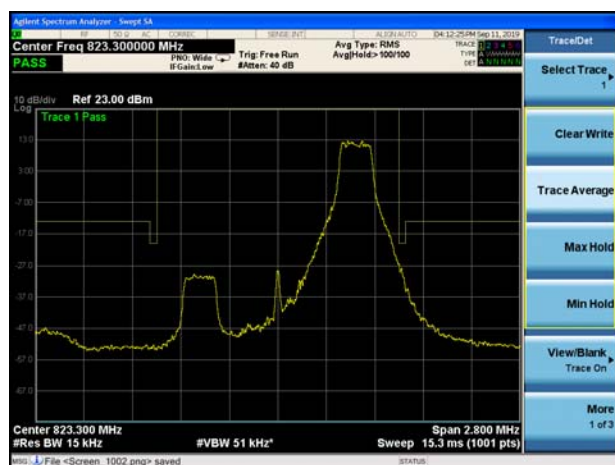
## LTE Band 26 QPSK 10MHz CH-High 100%RB



## LTE Band 26 16QAM 1.4MHz CH-Low 1RB

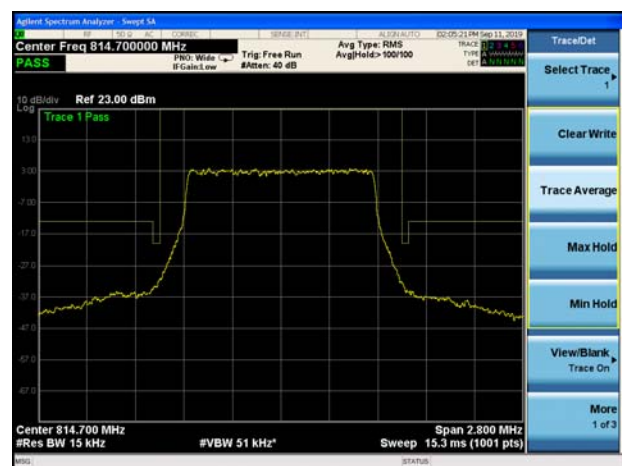


## LTE Band 26 16QAM 1.4MHz CH-High 1RB

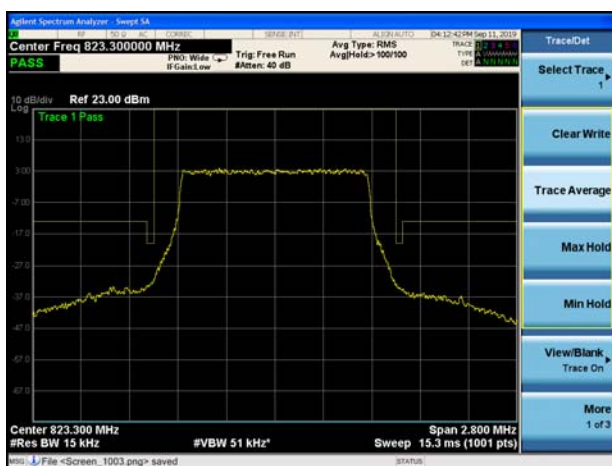




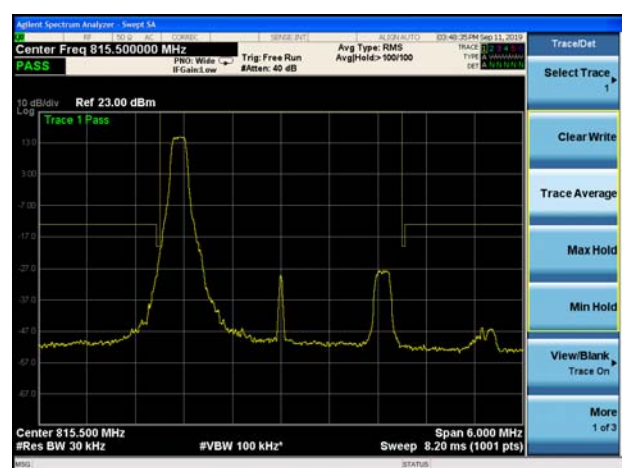
LTE Band 26 16QAM 1.4MHz CH-Low 100%RB



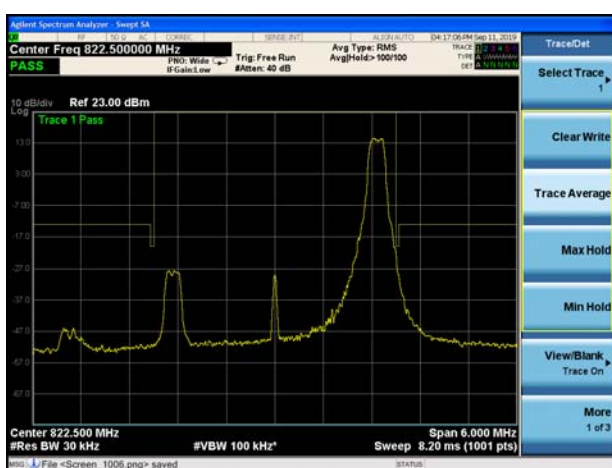
LTE Band 26 16QAM 1.4MHz CH-High 100%RB



LTE Band 26 16QAM 3MHz CH-Low 1RB



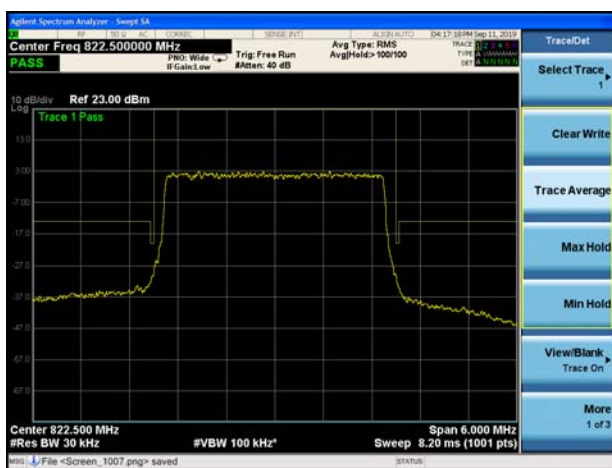
LTE Band 26 16QAM 3MHz CH-High 1RB



LTE Band 26 16QAM 3MHz CH-Low 100%RB



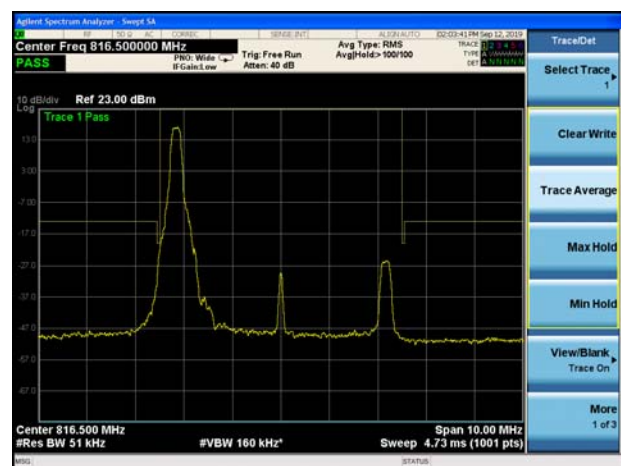
LTE Band 26 16QAM 3MHz CH-High 100%RB



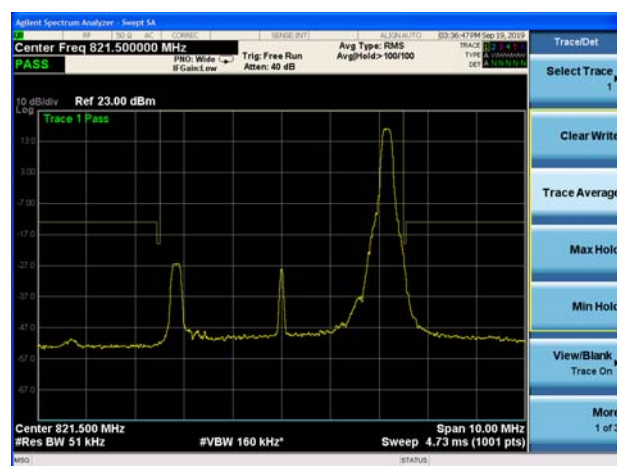




LTE Band 26 16QAM 5MHz CH-Low 1RB



LTE Band 26 16QAM 5MHz CH-High 1RB



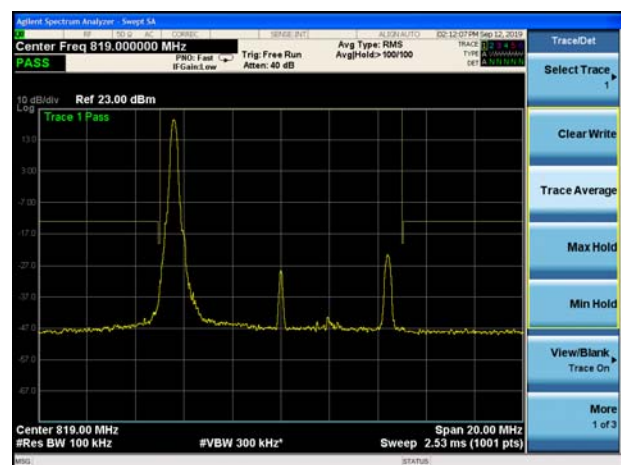
LTE Band 26 16QAM 5MHz CH-Low 100%RB



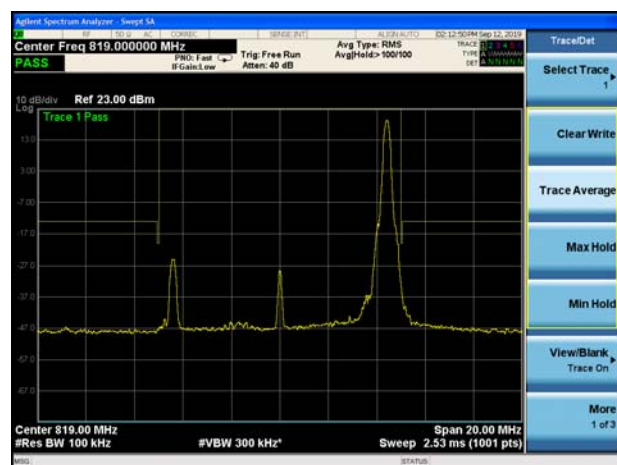
LTE Band 26 16QAM 5MHz CH-High 100%RB



LTE Band 26 16QAM 10MHz CH-Low 1RB



LTE Band 26 16QAM 10MHz CH-High 1RB





## LTE Band 26 16QAM 10MHz CH-Low 100%RB



## LTE Band 26 16QAM 10MHz CH-High 100%RB



#### 6.4. Peak-to-Average Power Ratio (PAPR)

| Mode           | Channel | Frequency (MHz) | Peak(dBm) | Avg(dBm) | PAPR(dB) | Limit(dB) | Conclusion |
|----------------|---------|-----------------|-----------|----------|----------|-----------|------------|
| 1.4 MHz (QPSK) | 26697   | 814.7           | 27.33     | 23.07    | 4.26     | 13        | PASS       |
|                | 26740   | 819             | 27.10     | 22.74    | 4.36     | 13        | PASS       |
|                | 26783   | 823.3           | 27.38     | 22.79    | 4.59     | 13        | PASS       |
| 3 MHz (QPSK)   | 26697   | 814.7           | 27.29     | 22.96    | 4.33     | 13        | PASS       |
|                | 26740   | 819             | 27.13     | 22.88    | 4.25     | 13        | PASS       |
|                | 26783   | 823.3           | 27.40     | 22.86    | 4.54     | 13        | PASS       |
| 5 MHz (QPSK)   | 26697   | 814.7           | 27.25     | 22.94    | 4.31     | 13        | PASS       |
|                | 26740   | 819             | 27.06     | 22.90    | 4.16     | 13        | PASS       |
|                | 26783   | 823.3           | 27.28     | 22.92    | 4.36     | 13        | PASS       |
| 10 MHz (QPSK)  | 26740   | 819             | 27.51     | 23.34    | 4.17     | 13        | PASS       |

| Mode            | Channel | Frequency (MHz) | Peak(dBm) | Avg(dBm) | PAPR(dB) | Limit(dB) | Conclusion |
|-----------------|---------|-----------------|-----------|----------|----------|-----------|------------|
| 1.4 MHz (16QAM) | 26697   | 814.7           | 27.38     | 22.20    | 5.18     | 13        | PASS       |
|                 | 26740   | 819             | 27.33     | 22.67    | 4.66     | 13        | PASS       |
|                 | 26783   | 823.3           | 27.45     | 21.99    | 5.46     | 13        | PASS       |
| 3 MHz (16QAM)   | 26697   | 814.7           | 27.05     | 21.78    | 5.27     | 13        | PASS       |
|                 | 26740   | 819             | 27.38     | 22.37    | 5.01     | 13        | PASS       |
|                 | 26783   | 823.3           | 27.17     | 21.70    | 5.47     | 13        | PASS       |
| 5 MHz (16QAM)   | 26697   | 814.7           | 27.06     | 21.76    | 5.30     | 13        | PASS       |
|                 | 26740   | 819             | 27.08     | 22.13    | 4.95     | 13        | PASS       |
|                 | 26783   | 823.3           | 27.25     | 22.14    | 5.11     | 13        | PASS       |
| 10 MHz (16QAM)  | 26740   | 819             | 27.24     | 22.98    | 4.26     | 13        | PASS       |

## 6.5. Frequency Stability

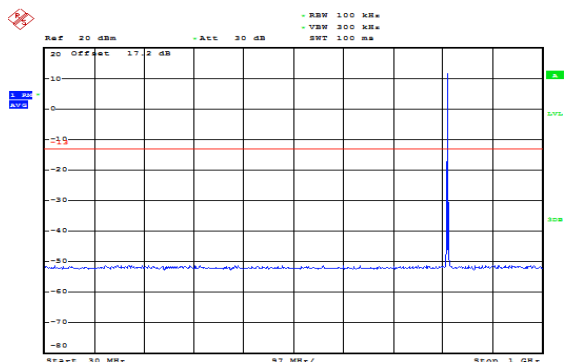
| LTE Band 26    |         |                    |                    |                                 |                                 |         |
|----------------|---------|--------------------|--------------------|---------------------------------|---------------------------------|---------|
| Condition      |         | Freq.Error<br>(Hz) | Freq.Error<br>(Hz) | Frequency<br>Stability<br>(ppm) | Frequency<br>Stability<br>(ppm) | Verdict |
| BANDWIDTH      | 10MHz   |                    |                    |                                 |                                 |         |
| Temperature    | Voltage | 16QAM              | QPSK               | 16QAM                           | QPSK                            |         |
| Normal (25℃)   | Normal  | 13.81              | 15.98              | 0.00735                         | 0.00850                         | PASS    |
| Extreme (90℃)  |         | 7.73               | 7.09               | 0.00411                         | 0.00377                         | PASS    |
| Extreme (80℃)  |         | 17.36              | 14.10              | 0.00924                         | 0.00750                         | PASS    |
| Extreme (70℃)  |         | 2.17               | 14.46              | 0.00115                         | 0.00769                         | PASS    |
| Extreme (60℃)  |         | 9.13               | 17.60              | 0.00486                         | 0.00936                         | PASS    |
| Extreme (50℃)  |         | 16.41              | 1.34               | 0.00873                         | 0.00072                         | PASS    |
| Extreme (40℃)  |         | 9.59               | 13.31              | 0.00510                         | 0.00708                         | PASS    |
| Extreme (30℃)  |         | 12.45              | 13.92              | 0.00662                         | 0.00741                         | PASS    |
| Extreme (20℃)  |         | 1.31               | 6.88               | 0.00070                         | 0.00366                         | PASS    |
| Extreme (10℃)  |         | 12.33              | 14.25              | 0.00656                         | 0.00758                         | PASS    |
| Extreme (0℃)   |         | 14.78              | 9.31               | 0.00786                         | 0.00495                         | PASS    |
| Extreme (-10℃) |         | 2.59               | 8.54               | 0.00138                         | 0.00455                         | PASS    |
| Extreme (-20℃) |         | 17.83              | 10.92              | 0.00948                         | 0.00581                         | PASS    |
| Extreme (-30℃) |         | 8.77               | 7.85               | 0.00466                         | 0.00417                         | PASS    |
| Extreme (-40℃) |         | 3.83               | 12.40              | 0.00204                         | 0.00660                         | PASS    |
| 25℃            | LV      | 5.21               | 16.59              | 0.00277                         | 0.00882                         | PASS    |
|                | HV      | 4.99               | 5.09               | 0.00266                         | 0.00271                         | PASS    |



## 6.6. Spurious Emissions at Antenna Terminals

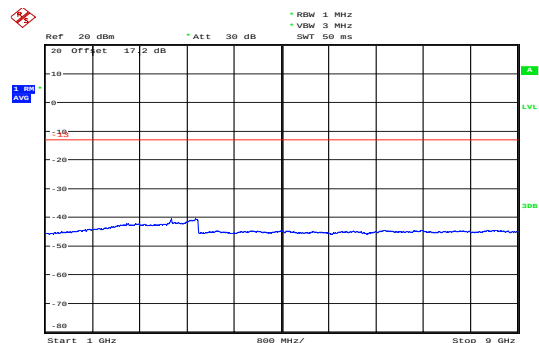
If disturbances were found more than 20dB below limit line, the mark is not required for the EUT.  
The signal beyond the limit is carrier.

LTE Band 26 1.4MHz CH Low 30MHz~1GHz



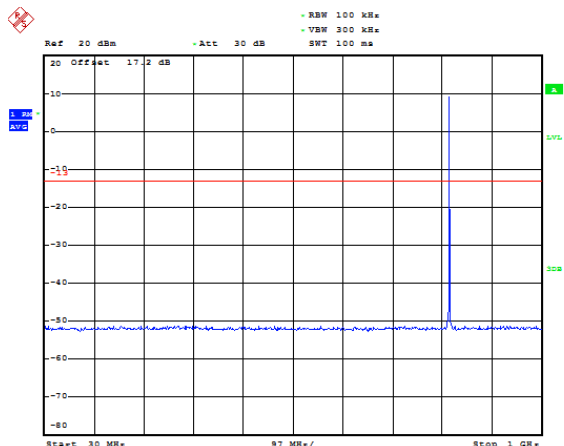
Date: 9.SEP.2019 21:07:58

LTE Band 26 1.4MHz CH Low 1GHz~9GHz



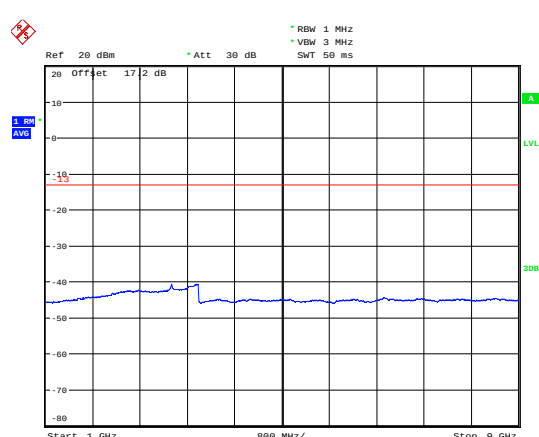
Date: 12.SEP.2019 11:35:36

LTE Band 26 1.4MHz CH Middle 30MHz~1GHz



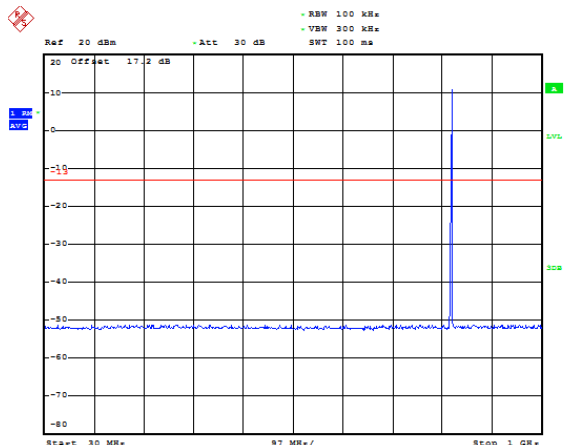
Date: 9.SEP.2019 21:08:17

LTE Band 26 1.4MHz CH Middle 1GHz~9GHz



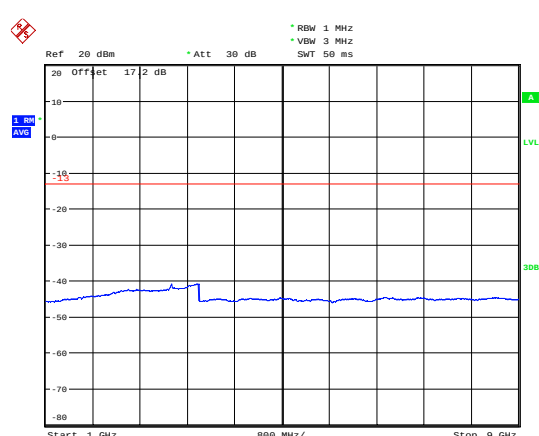
Date: 12.SEP.2019 11:35:49

LTE Band 26 1.4MHz CH High 30MHz~1GHz



Date: 9.SEP.2019 21:08:36

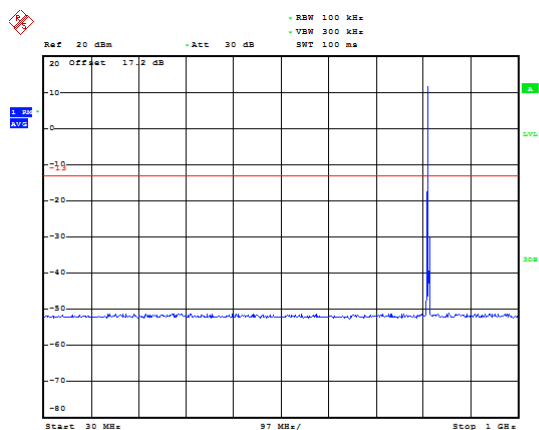
LTE Band 26 1.4MHz CH High 1GHz~9GHz



Date: 12.SEP.2019 11:36:13

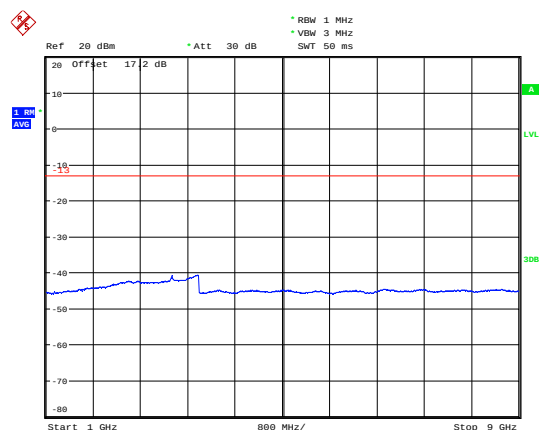


## LTE Band 26 3MHz CH Low 30MHz~1GHz



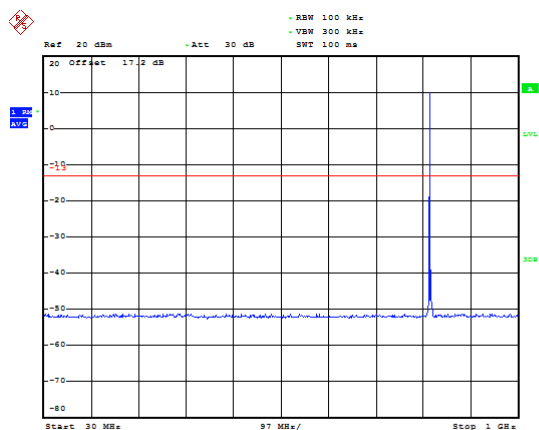
Date: 9.SEP.2019 21:08:57

## LTE Band 26 3MHz CH Low 1GHz~9GHz



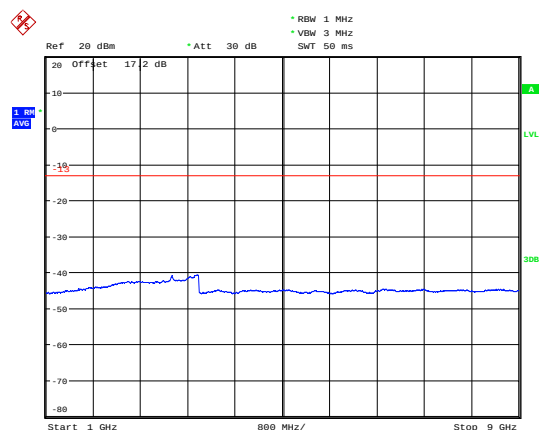
Date: 12.SEP.2019 11:36:31

## LTE Band 26 3MHz CH Middle 30MHz~1GHz



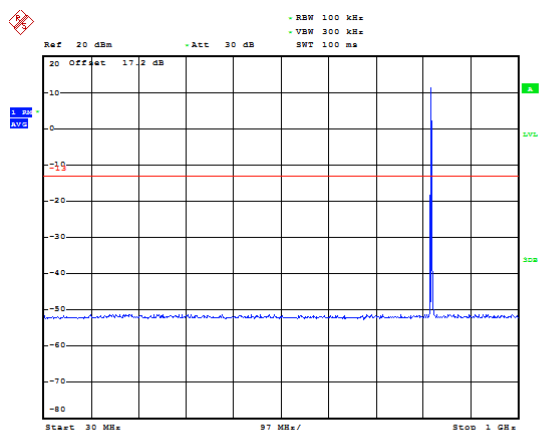
Date: 9.SEP.2019 21:09:14

## LTE Band 26 3MHz CH Middle 1GHz~9GHz



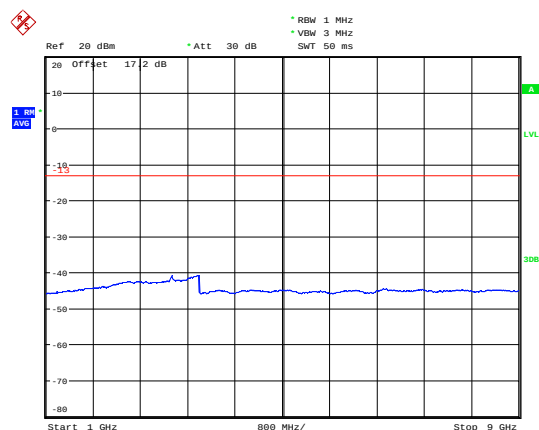
Date: 12.SEP.2019 11:36:48

## LTE Band 26 3MHz CH High 30MHz~1GHz



Date: 9.SEP.2019 21:09:27

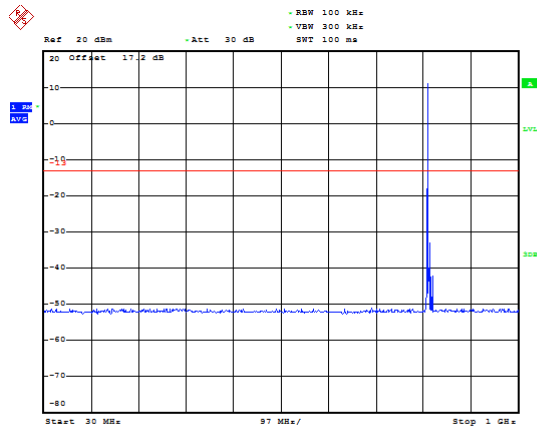
## LTE Band 26 3MHz CH High 1GHz~9GHz



Date: 12.SEP.2019 11:37:26

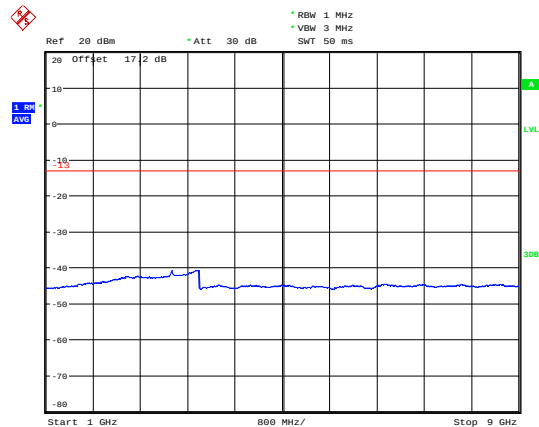


## LTE Band 26 5MHz CH Low 30MHz~1GHz



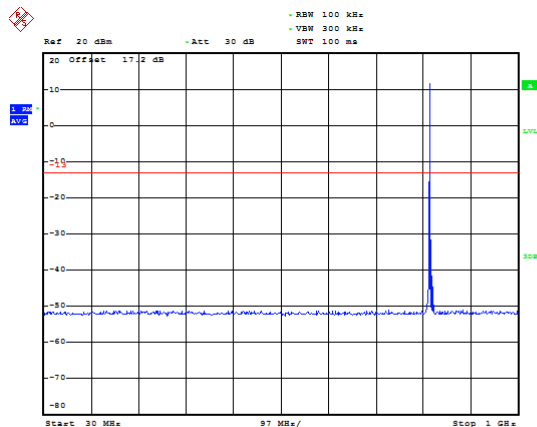
Date: 9.SEP.2019 21:09:46

## LTE Band 26 5MHz CH Low 1GHz~9GHz



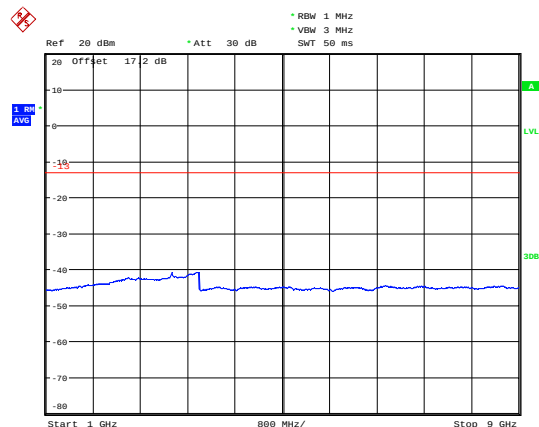
Date: 12.SEP.2019 11:37:56

## LTE Band 26 5MHz CH Middle 30MHz~1GHz



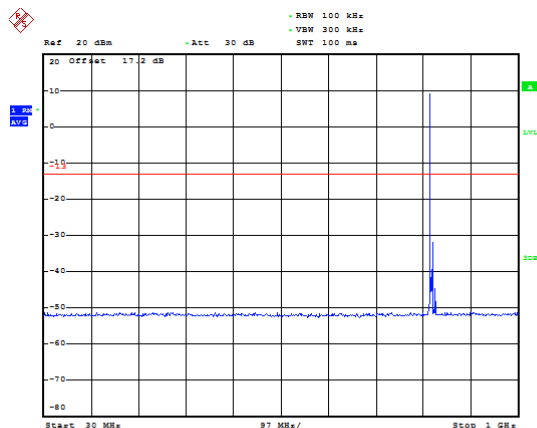
Date: 9.SEP.2019 21:10:00

## LTE Band 26 5MHz CH Middle 1GHz~9GHz



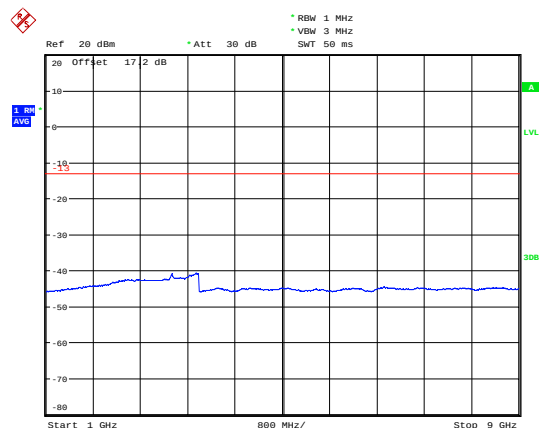
Date: 12.SEP.2019 11:38:22

## LTE Band 26 5MHz CH High 30MHz~1GHz



Date: 9.SEP.2019 21:10:28

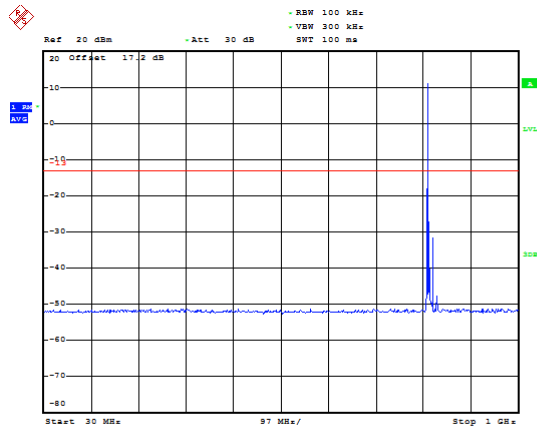
## LTE Band 26 5MHz CH High 1GHz~9GHz



Date: 12.SEP.2019 11:38:56

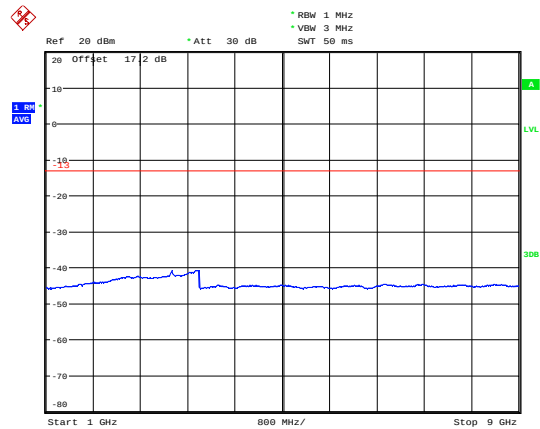


## LTE Band 26 10MHz CH Middle 30MHz~1GHz



Date: 9.SEP.2019 21:10:42

## LTE Band 26 10MHz CH Middle 1GHz~9GHz



Date: 12.SEP.2019 11:39:02

## 6.7. Radiates Spurious Emission

Sweep the whole frequency band through the range from 30MHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

LTE Band 26 1.4MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2        | 1638.0          | -69.65   | 2.00            | 10.75      | vertical             | -60.90          | -13.00      | 47.90       | 315           |
| 3        | 2457.0          | -66.93   | 2.51            | 11.05      | vertical             | -58.39          | -13.00      | 45.39       | 225           |
| 4        | 3346.0          | -66.01   | 4.20            | 11.15      | vertical             | -59.06          | -13.00      | 46.06       | 45            |
| 5        | 4182.5          | -63.44   | 5.20            | 11.15      | vertical             | -57.49          | -13.00      | 44.49       | 225           |
| 6        | 5019.0          | -62.30   | 5.50            | 11.95      | vertical             | -55.85          | -13.00      | 42.85       | 135           |
| 7        | 5855.5          | -62.96   | 5.70            | 13.55      | vertical             | -55.11          | -13.00      | 42.11       | 180           |
| 8        | 6692.0          | -61.48   | 6.30            | 13.75      | vertical             | -54.03          | -13.00      | 41.03       | 45            |
| 9        | 7528.5          | -58.56   | 6.80            | 13.85      | vertical             | -51.51          | -13.00      | 38.51       | 135           |
| 10       | 8365.0          | -57.06   | 6.90            | 14.25      | vertical             | -49.71          | -13.00      | 36.71       | 225           |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.

LTE Band 26 5MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2        | 1638.0          | -68.85   | 2.00            | 10.75      | vertical             | -60.10          | -13.00      | 47.10       | 45            |
| 3        | 2457.0          | -64.16   | 2.51            | 11.05      | vertical             | -55.62          | -13.00      | 42.62       | 225           |
| 4        | 3276.0          | -66.18   | 4.20            | 11.15      | vertical             | -59.23          | -13.00      | 46.23       | 90            |
| 5        | 4095.0          | -64.28   | 5.20            | 11.15      | vertical             | -58.33          | -13.00      | 45.33       | 135           |
| 6        | 4914.0          | -63.81   | 5.50            | 11.95      | vertical             | -57.36          | -13.00      | 44.36       | 45            |
| 7        | 5733.0          | -63.85   | 5.70            | 13.55      | vertical             | -56.00          | -13.00      | 43.00       | 135           |
| 8        | 6552.0          | -62.32   | 6.30            | 13.75      | vertical             | -54.87          | -13.00      | 41.87       | 90            |
| 9        | 7371.0          | -57.44   | 6.80            | 13.85      | vertical             | -50.39          | -13.00      | 37.39       | 180           |
| 10       | 8190.0          | -57.28   | 6.90            | 14.25      | vertical             | -49.93          | -13.00      | 36.93       | 0             |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.



## LTE Band 26 10MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2        | 1638.0          | -68.59   | 2.00            | 10.75      | vertical             | -59.84          | -13.00      | 46.84       | 90            |
| 3        | 2457.0          | -65.81   | 2.51            | 11.05      | vertical             | -57.27          | -13.00      | 44.27       | 135           |
| 4        | 3276.0          | -65.80   | 4.20            | 11.15      | vertical             | -58.85          | -13.00      | 45.85       | 270           |
| 5        | 4095.0          | -64.35   | 5.20            | 11.15      | vertical             | -58.40          | -13.00      | 45.40       | 315           |
| 6        | 4914.0          | -63.83   | 5.50            | 11.95      | vertical             | -57.38          | -13.00      | 44.38       | 45            |
| 7        | 5733.0          | -63.36   | 5.70            | 13.55      | vertical             | -55.51          | -13.00      | 42.51       | 0             |
| 8        | 6552.0          | -61.84   | 6.30            | 13.75      | vertical             | -54.39          | -13.00      | 41.39       | 225           |
| 9        | 7371.0          | -57.64   | 6.80            | 13.85      | vertical             | -50.59          | -13.00      | 37.59       | 315           |
| 10       | 8190.0          | -58.20   | 6.90            | 14.25      | vertical             | -50.85          | -13.00      | 37.85       | 315           |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.



## 7. Main Test Instruments

| Name                   | Manufacturer | Type         | Serial Number | Calibration Date | Expiration Date |
|------------------------|--------------|--------------|---------------|------------------|-----------------|
| Base Station Simulator | R&S          | CMW500       | 113824        | 2019-05-19       | 2020-05-18      |
| Power Splitter         | Hua Xiang    | SHX-GF2-2-13 | 10120101      | /                | /               |
| Spectrum Analyzer      | Agilent      | N9010A       | MY50210259    | 2019-05-19       | 2020-05-18      |
| Signal Analyzer        | R&S          | FSV30        | 100815        | 2018-12-16       | 2019-12-15      |
| Trilog Antenna         | SCHWARZBECK  | VUBL 9163    | 9163-201      | 2017-11-18       | 2020-11-17      |
| Horn Antenna           | R&S          | HF907        | 100126        | 2018-07-07       | 2020-07-06      |
| Signal generator       | R&S          | SMF 100A     | 102235        | 2019-05-19       | 2020-05-18      |
| Climatic Chamber       | ESPEC        | SU-242       | 93000506      | 2017-12-17       | 2020-12-16      |
| RF Cable               | Agilent      | SMA 15cm     | 0001          | 2019-06-14       | 2019-09-13      |
| Software               | R&S          | EMC32        | 9.26.0        | /                | /               |

\*\*\*\*\*END OF REPORT \*\*\*\*\*



## **ANNEX A: The EUT Appearance**

The EUT Appearance is submitted separately.





## **ANNEX B: Test Setup Photos**

The Test Setup Photos is submitted separately.



## **ANNEX C: Product Change Description**

The Product Change Description are submitted separately.