RF TEST REPORT

Applicant	Honor Device Co., Ltd.
FCC ID	2AYGCVNE-LX3
Product	Smart Phone
Model	VNE-LX3
Report No.	R2207A0619-R4V2
Issue Date	August 2, 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.

Prepared by: Xu Ying | *Approved by: Xu Kai*

TA Technology (Shanghai) Co., Ltd.

Building 3, 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

1. Test Laboratory 5
1.1. Notes of the Test Report 5
1.2. Test facility 5
1.3. Testing Location 5
2. General Description of Equipment under Test 6
2.1. Applicant and Manufacturer Information 6
2.2. General Information 6
3. Applied Standards 8
4. Test Configuration 9
5. Test Case 10
5.1. RF Power Output and Effective Radiated Power 10
5.2. Occupied Bandwidth 11
5.3. Emission Mask 12
5.4. Peak-to-Average Power Ratio (PAPR) 13
5.5. Frequency Stability 14
5.6. Spurious Emissions at Antenna Terminals 16
5.7. Radiates Spurious Emission 17
6. Test Results 20
6.1. RF Power Output and Effective Radiated Power 20
6.2. Occupied Bandwidth 24
6.3. Emission Mask 34
6.4. Peak-to-Average Power Ratio (PAPR) 40
6.5. Frequency Stability 41
6.6. Spurious Emissions at Antenna Terminals 43
6.7. Radiates Spurious Emission 45
7. Main Test Instruments 48
ANNEX A: The EUT Appearance 49
ANNEX B: Test Setup Photos 50

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

Version	Revision description	Issue Date
Rev.0	Initial issue of report.	July 25, 2022
Rev.1	Update description.	July 29, 2022
Rev.2	Update description.	August 2, 2022
Note: This revised report (Report No. R2207A0619-R4V2) supersedes and replaces the previously issued report (Report No. R2207A0619-R4V1). Please discard or destroy the previously issued report and dispose of it accordingly.		

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

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: July 18, 2022 ~ July 24, 2022
Date of Sample Received: July 5, 2022

Note: 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.

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 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.
Address:	Building 3, 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	Honor Device Co., Ltd.
Applicant address	Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, China
Manufacturer	Honor Device Co., Ltd.
Manufacturer address	Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, China

2.2. General Information

EUT Description			
Model	VNE-LX3		
SN	A96BNU2625200405		
Hardware Version	HL1VNEM		
Software Version	2.1.0.34(SP02C900E5R1P1)		
Power Supply	Battery / AC adapter		
Antenna Type	Internal Antenna		
Antenna Gain	Band	Main Antenna Gain(dBi)	Second Antenna Gain(dBi)
	LTE Band 26	-0.3	-1.7
Test Mode(s)	LTE Band 26		
Test Modulation	QPSK, 16QAM(Uplink); QPSK, 16QAM,64QAM(Downlink);		
LTE Category	4		
Maximum E.R.P.	LTE Band 26:	21.65dBm	
Rated Power Supply Voltage	3.87V		
Operating Voltage	Minimum: 3.6V Maximum: 4.45V		
Operating Temperature	Lowest: -0°C Highest: +35°C		
Testing Temperature	Lowest: -30°C Highest: +50°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	LTE Band 26	814 ~ 824	859 ~ 869

EUT Accessory			
Accessory	**Model**	**Manufacture**	**No.**
Adapter	HW-050200E02	Honor Device Co., Ltd. (Manufacturer: Huntkey)	1
		Honor Device Co., Ltd. (Manufacturer: BYD)	2
	HW-050200B02	Honor Device Co., Ltd. (Manufacturer: Huntkey)	3
		Honor Device Co., Ltd.	4

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

		(Manufacturer: BYD)	
	HW-050200U02	Honor Device Co., Ltd. (Manufacturer: Huntkey)	5
		Honor Device Co., Ltd. (Manufacturer: BYD)	6
Battery	HB496590EFW	Honor Device Co., Ltd. (Manufacturer: SCUD)	1
		Honor Device Co., Ltd. (Manufacturer: NVT)	2
	HB496590EFW-F	Honor Device Co., Ltd. (Manufacturer: SCUD)	3
		Honor Device Co., Ltd. (Manufacturer: NVT)	4
Earphone	MEND1532B528C00	Jiangxi Lianchuang Hongsheng Electronic Co., LTD.	1
	1293-3283-3.5mm-339	BOLUO COUNTY QUANCHENG ELECTRONIC CO.,LTD.	2
Data Cable	RY0002	NingBo Broad Telecommunication Co., Ltd.	1
	AU2-CRO013HF	Freeport Resources Enterprises Corp.	2
	2120-00001-0	MING JI ELECTRONICS CO., LTD.	3
	L125UC007-CS-H	LUXSHARE PRECISION INDUSTRY CO., LTD.	4
	CUDU01B-HC451-EH	FOXCONN INTERCONNECT TECHNOLOGY LIMITED	5

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 Adapter/ Earphone / Data cable/ Battery, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 6/ Earphone 1 / Data cable 1/ Battery 3) will be recorded in this report.

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 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

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 re spectively, 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 (Z 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 and Effective 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	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	O	O
Frequency Stability	O	O	O	O	O	O	O	O	-	-	-	O	-
Spurious Emissions at Antenna Terminals	O	O	O	O	O	O	-	O	-	-	O	O	O
Radiates Spurious Emission	O	-	O	-	O	O	-	O	-	-	-	O	-
Note	1. The mark “O” means that this configuration is chosen for testing. 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 Radiated Power

Ambient condition

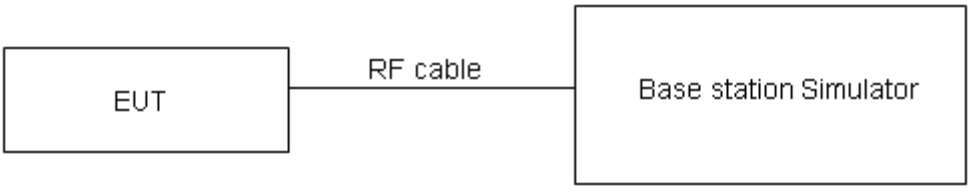
Temperature	Relative humidity
21°C ~25°C	40%~60%

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:
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

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.

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

5.2. Occupied Bandwidth

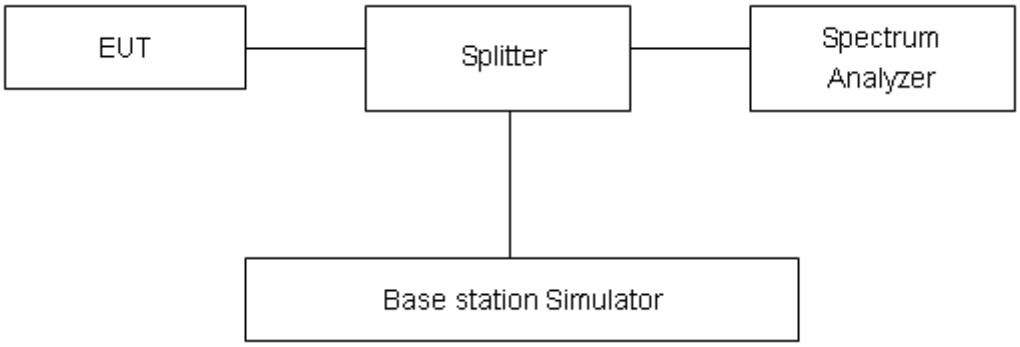
Ambient condition

Temperature	Relative humidity
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 30 kHz, VBW is set to 91 kHz for LTE Band 26 (1.4MHz),
RBW is set to 62 kHz, VBW is set to 180 kHz for LTE Band 26 (3MHz).
RBW is set to 100 kHz, VBW is set to 300 kHz for LTE Band 26 (5MHz).
RBW is set to 200 kHz, VBW is set to 620kHz 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= 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. Emission Mask

Ambient condition

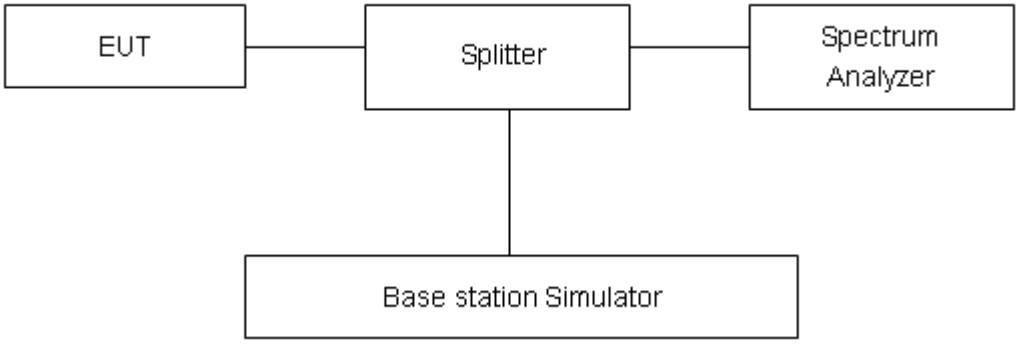
Temperature	Relative humidity
21°C ~25°C	40%~60%

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.
For Section 90.691(a) compliance testing, use RBW = 300 Hz for offsets less than 37.5 kHz from a channel edge; RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

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=0.684dB.

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)

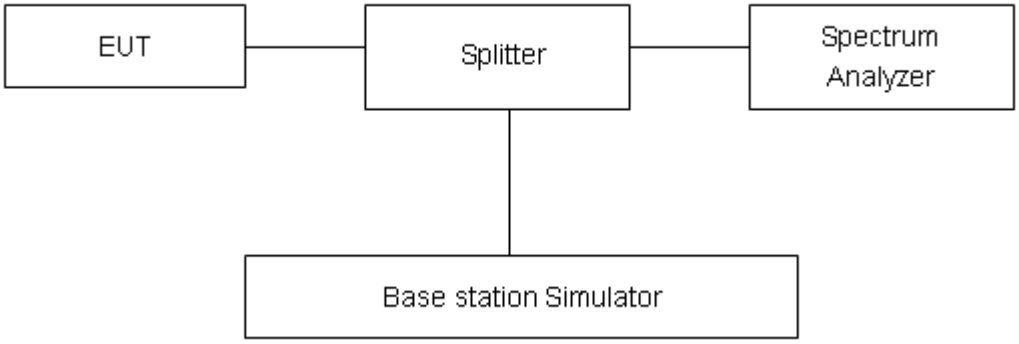
Ambient condition

Temperature	Relative humidity
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 peakto-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.

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

5.5. Frequency Stability

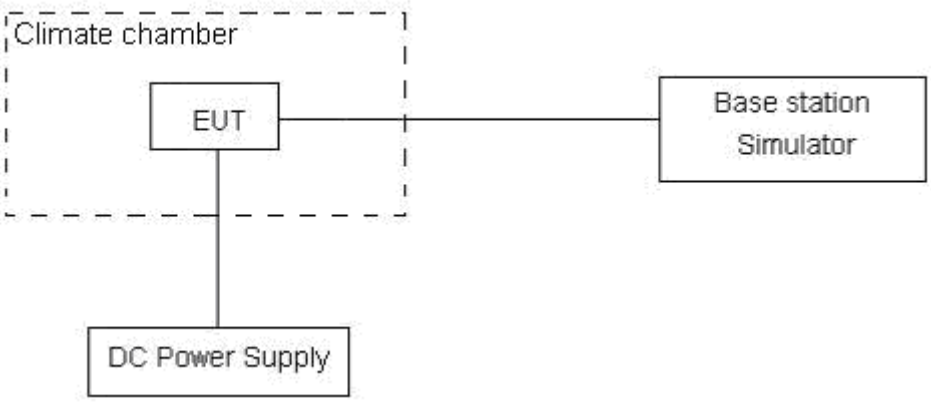
Ambient condition

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

Method of Measurement

1. Frequency Stability (Temperature Variation)
   The temperature inside the climate chamber is varied from -30°C to +50°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 -30°C to +50°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 3.6 V and 4.45 V, with a nominal voltage of 3.87V.

Test setup



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

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 (MHz)	Fixed and base stations	Mobile stations	
		Over 2 watts output power	2 watts or less output 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= 0.01ppm.

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

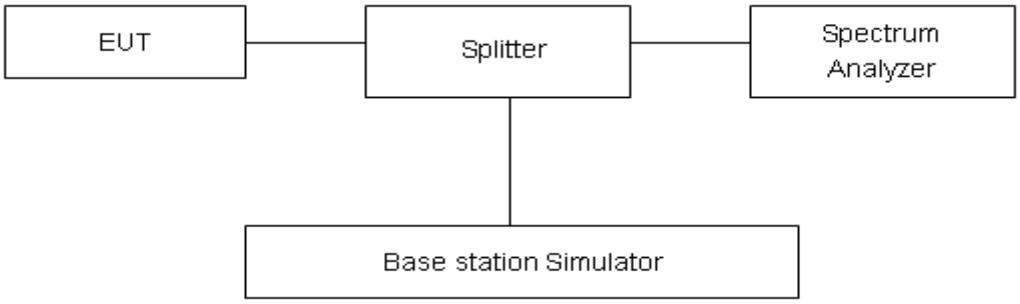
Ambient condition

Temperature	Relative humidity
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,
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)
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-10GHz	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
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:
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 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP

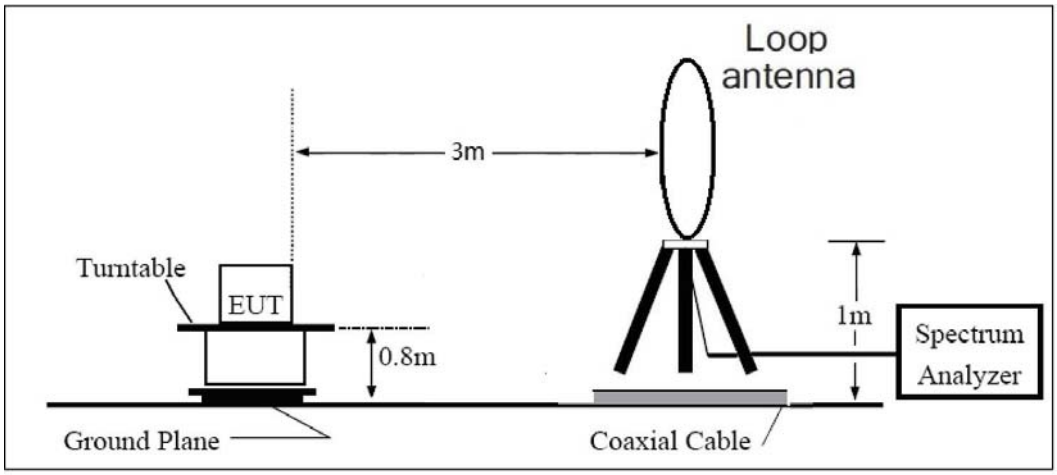
This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

= EIRP-2.15dBi.

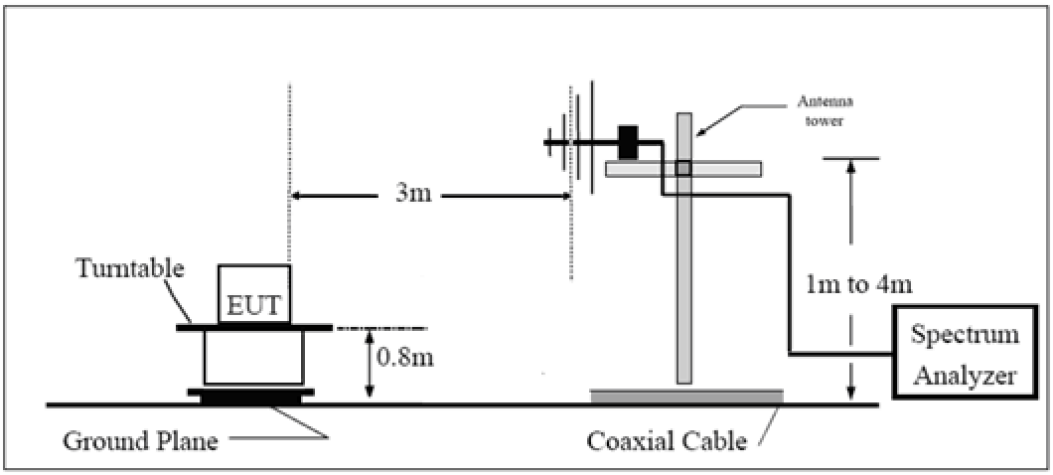
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

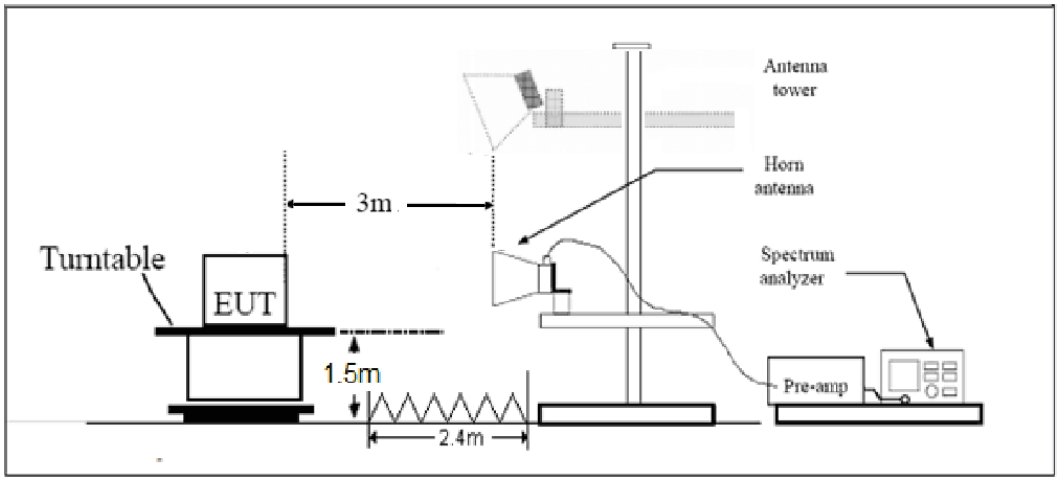
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

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

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.

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 Radiated Power

LTE Band 26							
Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Main Antenna ERP(dBm)	Second Antenna ERP(dBm)
1.4	26697	1	#0	QPSK	23.84	21.39	19.99
1.4	26697	1	#Mid	QPSK	24.10	21.65	20.25
1.4	26697	1	#Max	QPSK	23.86	21.41	20.01
1.4	26697	3	#0	QPSK	23.92	21.47	20.07
1.4	26697	3	#Mid	QPSK	23.88	21.43	20.03
1.4	26697	3	#Max	QPSK	23.88	21.43	20.03
1.4	26697	6	#0	QPSK	22.80	20.35	18.95
1.4	26697	1	#0	16QAM	22.76	20.31	18.91
1.4	26697	1	#Mid	16QAM	23.11	20.66	19.26
1.4	26697	1	#Max	16QAM	22.80	20.35	18.95
1.4	26697	3	#0	16QAM	22.99	20.54	19.14
1.4	26697	3	#Mid	16QAM	22.99	20.54	19.14
1.4	26697	3	#Max	16QAM	23.02	20.57	19.17
1.4	26697	6	#0	16QAM	21.83	19.38	17.98
1.4	26740	1	#0	QPSK	23.74	21.29	19.89
1.4	26740	1	#Mid	QPSK	23.99	21.54	20.14
1.4	26740	1	#Max	QPSK	23.74	21.29	19.89
1.4	26740	3	#0	QPSK	23.90	21.45	20.05
1.4	26740	3	#Mid	QPSK	23.88	21.43	20.03
1.4	26740	3	#Max	QPSK	23.82	21.37	19.97
1.4	26740	6	#0	QPSK	22.84	20.39	18.99
1.4	26740	1	#0	16QAM	22.93	20.48	19.08
1.4	26740	1	#Mid	16QAM	23.17	20.72	19.32
1.4	26740	1	#Max	16QAM	22.95	20.50	19.10
1.4	26740	3	#0	16QAM	22.88	20.43	19.03
1.4	26740	3	#Mid	16QAM	22.84	20.39	18.99
1.4	26740	3	#Max	16QAM	22.89	20.44	19.04
1.4	26740	6	#0	16QAM	21.79	19.34	17.94
1.4	26783	1	#0	QPSK	23.83	21.38	19.98
1.4	26783	1	#Mid	QPSK	24.08	21.63	20.23
1.4	26783	1	#Max	QPSK	23.89	21.44	20.04
1.4	26783	3	#0	QPSK	23.94	21.49	20.09
1.4	26783	3	#Mid	QPSK	23.95	21.50	20.10
1.4	26783	3	#Max	QPSK	23.81	21.36	19.96

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

1.4	26783	6	#0	QPSK	22.84	20.39	18.99
1.4	26783	1	#0	16QAM	22.70	20.25	18.85
1.4	26783	1	#Mid	16QAM	22.94	20.49	19.09
1.4	26783	1	#Max	16QAM	22.76	20.31	18.91
1.4	26783	3	#0	16QAM	22.89	20.44	19.04
1.4	26783	3	#Mid	16QAM	22.91	20.46	19.06
1.4	26783	3	#Max	16QAM	22.89	20.44	19.04
1.4	26783	6	#0	16QAM	21.87	19.42	18.02
3	26705	1	#0	QPSK	23.81	21.36	19.96
3	26705	1	#Mid	QPSK	23.81	21.36	19.96
3	26705	1	#Max	QPSK	23.79	21.34	19.94
3	26705	8	#0	QPSK	22.77	20.32	18.92
3	26705	8	#Mid	QPSK	22.76	20.31	18.91
3	26705	8	#Max	QPSK	22.85	20.40	19.00
3	26705	15	#0	QPSK	22.80	20.35	18.95
3	26705	1	#0	16QAM	22.99	20.54	19.14
3	26705	1	#Mid	16QAM	22.91	20.46	19.06
3	26705	1	#Max	16QAM	22.92	20.47	19.07
3	26705	8	#0	16QAM	21.84	19.39	17.99
3	26705	8	#Mid	16QAM	21.84	19.39	17.99
3	26705	8	#Max	16QAM	21.86	19.41	18.01
3	26705	15	#0	16QAM	21.71	19.26	17.86
3	26740	1	#0	QPSK	23.83	21.38	19.98
3	26740	1	#Mid	QPSK	23.92	21.47	20.07
3	26740	1	#Max	QPSK	23.88	21.43	20.03
3	26740	8	#0	QPSK	22.85	20.40	19.00
3	26740	8	#Mid	QPSK	22.83	20.38	18.98
3	26740	8	#Max	QPSK	22.84	20.39	18.99
3	26740	15	#0	QPSK	22.83	20.38	18.98
3	26740	1	#0	16QAM	22.67	20.22	18.82
3	26740	1	#Mid	16QAM	22.71	20.26	18.86
3	26740	1	#Max	16QAM	22.74	20.29	18.89
3	26740	8	#0	16QAM	21.87	19.42	18.02
3	26740	8	#Mid	16QAM	21.86	19.41	18.01
3	26740	8	#Max	16QAM	21.91	19.46	18.06
3	26740	15	#0	16QAM	21.88	19.43	18.03
3	26775	1	#0	QPSK	23.77	21.32	19.92
3	26775	1	#Mid	QPSK	23.84	21.39	19.99
3	26775	1	#Max	QPSK	23.81	21.36	19.96
3	26775	8	#0	QPSK	22.85	20.40	19.00
3	26775	8	#Mid	QPSK	22.81	20.36	18.96
3	26775	8	#Max	QPSK	22.88	20.43	19.03
3	26775	15	#0	QPSK	22.87	20.42	19.02

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

3	26775	1	#0	16QAM	23.09	20.64	19.24
3	26775	1	#Mid	16QAM	23.10	20.65	19.25
3	26775	1	#Max	16QAM	23.10	20.65	19.25
3	26775	8	#0	16QAM	21.89	19.44	18.04
3	26775	8	#Mid	16QAM	21.90	19.45	18.05
3	26775	8	#Max	16QAM	21.90	19.45	18.05
3	26775	15	#0	16QAM	21.87	19.42	18.02
5	26715	1	#0	QPSK	23.71	21.26	19.86
5	26715	1	#Mid	QPSK	23.84	21.39	19.99
5	26715	1	#Max	QPSK	23.70	21.25	19.85
5	26715	12	#0	QPSK	22.73	20.28	18.88
5	26715	12	#Mid	QPSK	22.74	20.29	18.89
5	26715	12	#Max	QPSK	22.84	20.39	18.99
5	26715	25	#0	QPSK	22.85	20.40	19.00
5	26715	1	#0	16QAM	22.89	20.44	19.04
5	26715	1	#Mid	16QAM	23.01	20.56	19.16
5	26715	1	#Max	16QAM	22.92	20.47	19.07
5	26715	12	#0	16QAM	21.71	19.26	17.86
5	26715	12	#Mid	16QAM	21.71	19.26	17.86
5	26715	12	#Max	16QAM	21.86	19.41	18.01
5	26715	25	#0	16QAM	21.88	19.43	18.03
5	26740	1	#0	QPSK	23.64	21.19	19.79
5	26740	1	#Mid	QPSK	23.80	21.35	19.95
5	26740	1	#Max	QPSK	23.67	21.22	19.82
5	26740	12	#0	QPSK	22.83	20.38	18.98
5	26740	12	#Mid	QPSK	22.84	20.39	18.99
5	26740	12	#Max	QPSK	22.87	20.42	19.02
5	26740	25	#0	QPSK	22.87	20.42	19.02
5	26740	1	#0	16QAM	22.94	20.49	19.09
5	26740	1	#Mid	16QAM	23.05	20.60	19.20
5	26740	1	#Max	16QAM	22.99	20.54	19.14
5	26740	12	#0	16QAM	21.86	19.41	18.01
5	26740	12	#Mid	16QAM	21.86	19.41	18.01
5	26740	12	#Max	16QAM	21.89	19.44	18.04
5	26740	25	#0	16QAM	21.93	19.48	18.08
5	26765	1	#0	QPSK	23.70	21.25	19.85
5	26765	1	#Mid	QPSK	23.90	21.45	20.05
5	26765	1	#Max	QPSK	23.73	21.28	19.88
5	26765	12	#0	QPSK	22.82	20.37	18.97
5	26765	12	#Mid	QPSK	22.82	20.37	18.97
5	26765	12	#Max	QPSK	22.81	20.36	18.96
5	26765	25	#0	QPSK	22.87	20.42	19.02
5	26765	1	#0	16QAM	23.01	20.56	19.16

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

5	26765	1	#Mid	16QAM	23.21	20.76	19.36
5	26765	1	#Max	16QAM	23.05	20.60	19.20
5	26765	12	#0	16QAM	21.84	19.39	17.99
5	26765	12	#Mid	16QAM	21.82	19.37	17.97
5	26765	12	#Max	16QAM	21.81	19.36	17.96
5	26765	25	#0	16QAM	21.92	19.47	18.07
10	26740	1	#0	QPSK	23.83	21.38	19.98
10	26740	1	#Mid	QPSK	23.94	21.49	20.09
10	26740	1	#Max	QPSK	23.87	21.42	20.02
10	26740	25	#0	QPSK	22.83	20.38	18.98
10	26740	25	#Mid	QPSK	22.82	20.37	18.97
10	26740	25	#Max	QPSK	22.92	20.47	19.07
10	26740	50	#0	QPSK	22.87	20.42	19.02
10	26740	1	#0	16QAM	23.02	20.57	19.17
10	26740	1	#Mid	16QAM	23.17	20.72	19.32
10	26740	1	#Max	16QAM	23.02	20.57	19.17
10	26740	25	#0	16QAM	21.92	19.47	18.07
10	26740	25	#Mid	16QAM	21.89	19.44	18.04
10	26740	25	#Max	16QAM	22.02	19.57	18.17
10	26740	50	#0	16QAM	21.89	19.44	18.04

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 26						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	26697	814.7	1.09	1.28
			26740	819	1.09	1.29
			26783	823.3	1.10	1.29
		3	26705	815.5	2.69	2.92
			26740	819	2.70	2.92
			26775	822.5	2.69	2.91
		5	26715	816.5	4.50	4.89
			26740	819	4.51	4.94
			26765	821.5	4.50	4.91
		10	26740	819	8.96	9.75
	16QAM	1.4	26697	814.7	1.09	1.29
			26740	819	1.10	1.31
			26783	823.3	1.09	1.26
		3	26705	815.5	2.68	2.94
			26740	819	2.69	2.91
			26775	822.5	2.69	2.92
		5	26715	816.5	4.51	4.96
			26740	819	4.51	4.88
			26765	821.5	4.50	4.91
		10	26740	819	8.95	9.59
1RB	QPSK	1.4	26697	814.7	0.300	0.465
			26740	819	0.292	0.465
			26783	823.3	0.299	0.477
		3	26705	815.5	0.391	0.601
			26740	819	0.393	0.571
			26775	822.5	0.397	0.604
		5	26715	816.5	0.689	0.963
			26740	819	0.724	1.048
			26765	821.5	0.699	0.946
		10	26740	819	1.134	1.640

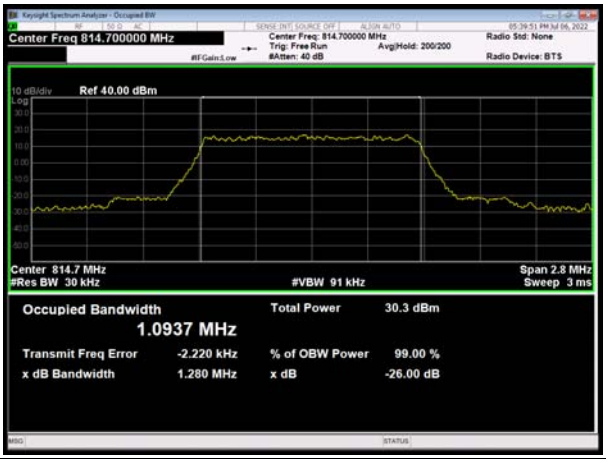
This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

	16QAM	1.4	26697	814.7	0.301	0.457
			26740	819	0.295	0.477
			26783	823.3	0.295	0.482
		3	26705	815.5	0.385	0.545
			26740	819	0.375	0.518
			26775	822.5	0.399	0.579
		5	26715	816.5	0.720	0.965
			26740	819	0.701	1.031
			26765	821.5	0.718	0.954
		10	26740	819	1.068	1.467

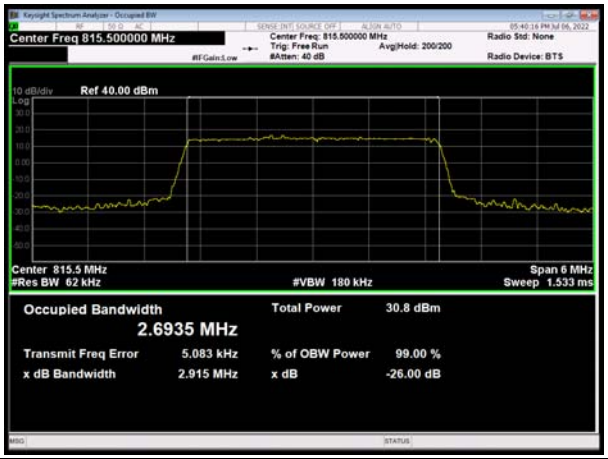
This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

100%RB

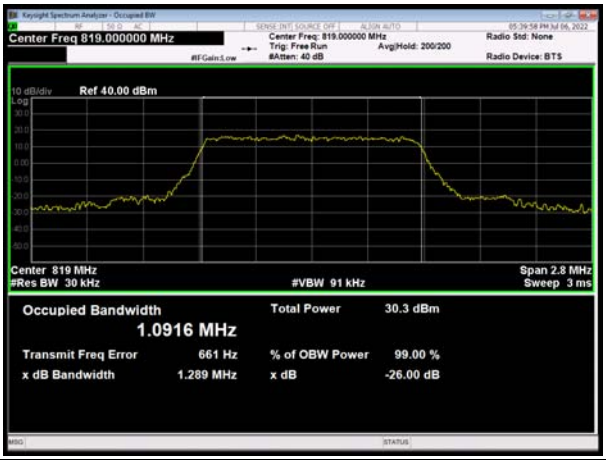
LTE Band 26 QPSK 1.4MHz CH Low



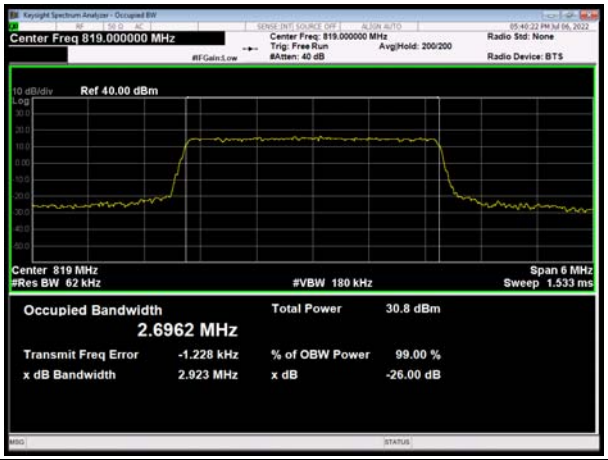
LTE Band 26 QPSK 3MHz CH Low



LTE Band 26 QPSK 1.4MHz CH Middle

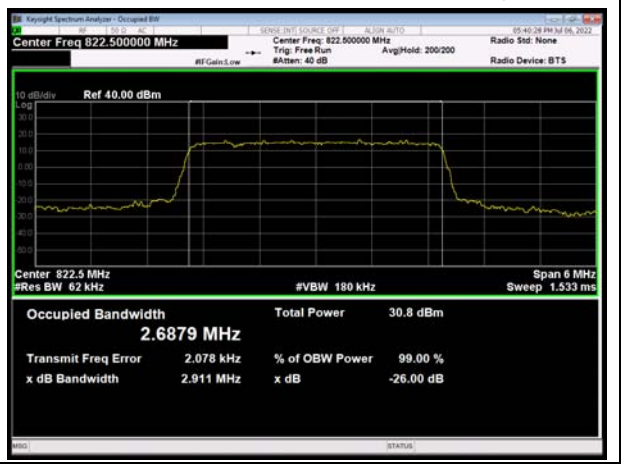


LTE Band 26 QPSK 3MHz CH Middle



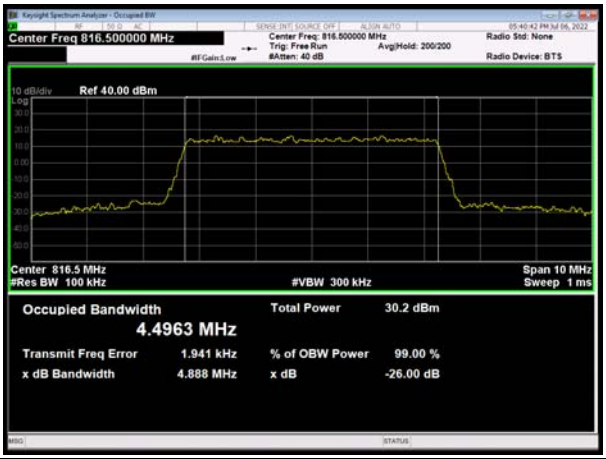
LTE Band 26 QPSK 1.4MHz CH High

LTE Band 26 QPSK 3MHz CH High

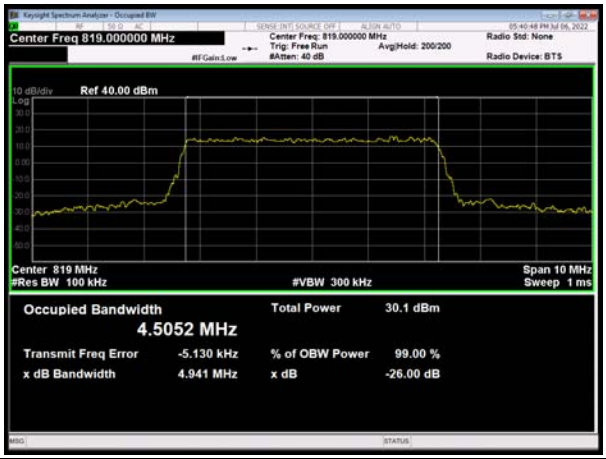


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

LTE Band 26 QPSK 5MHz CH Low

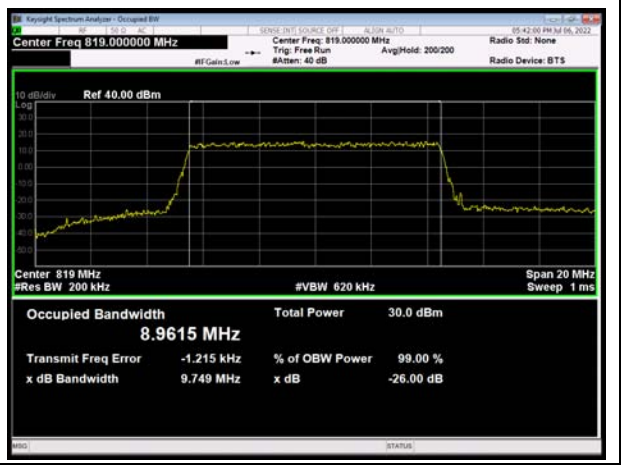


LTE Band 26 QPSK 5MHz CH Middle



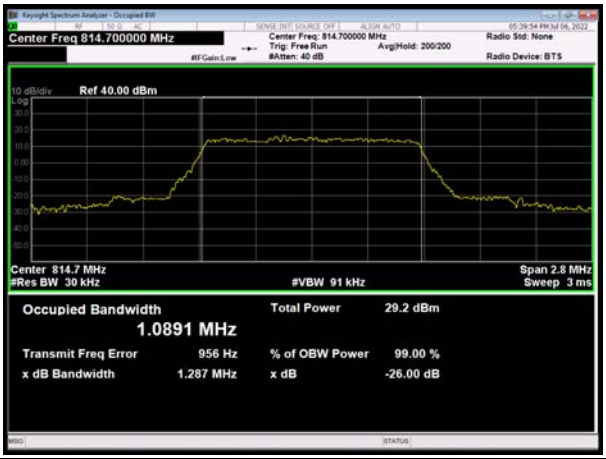
LTE Band 26 QPSK 5MHz CH High

LTE Band 26 QPSK 10MHz CH Middle

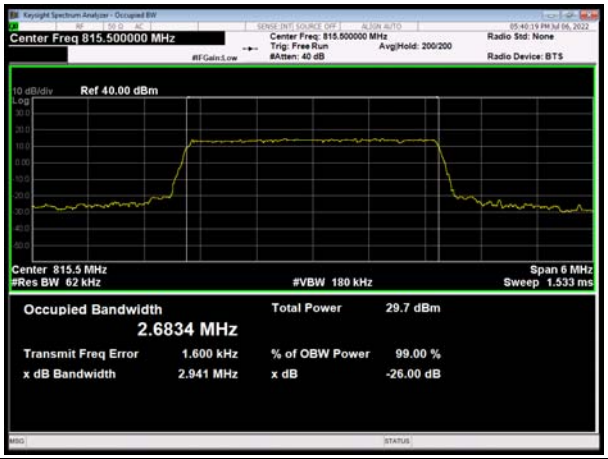


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

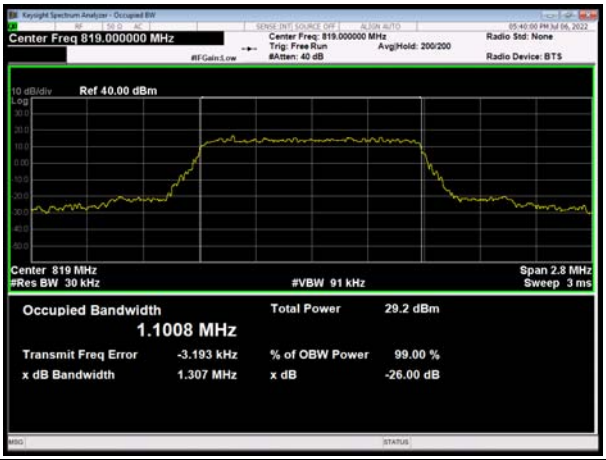
LTE Band 26 16QAM 1.4MHz CH Low



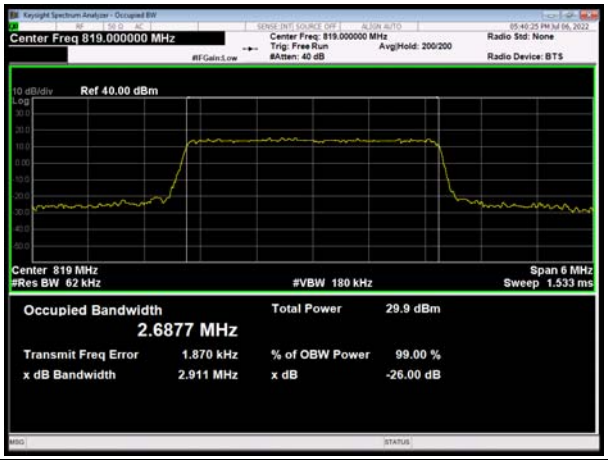
LTE Band 26 16QAM 3MHz CH Low



LTE Band 26 16QAM 1.4MHz CH Middle

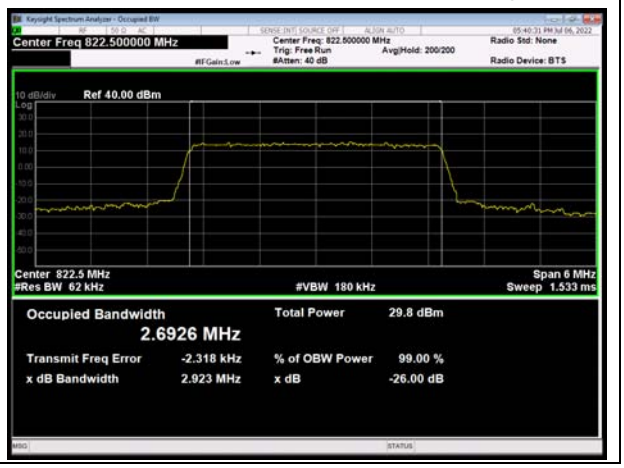


LTE Band 26 16QAM 3MHz CH Middle



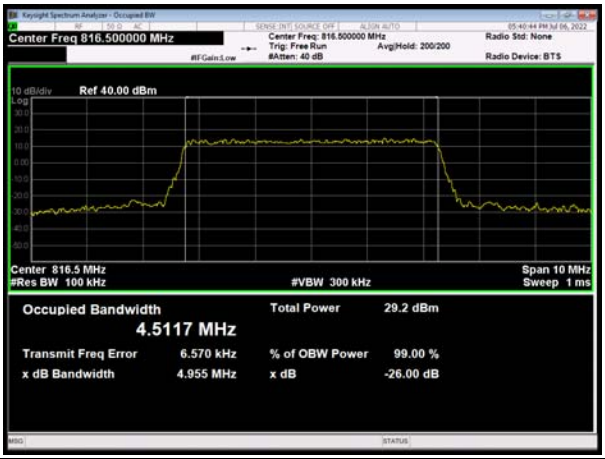
LTE Band 26 16QAM 1.4MHz CH High

LTE Band 26 16QAM 3MHz CH High

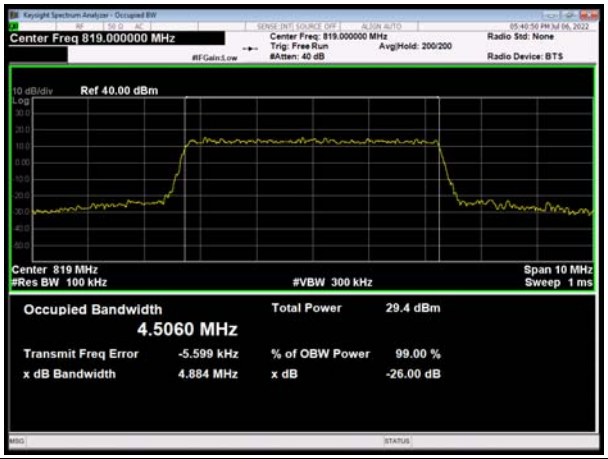


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

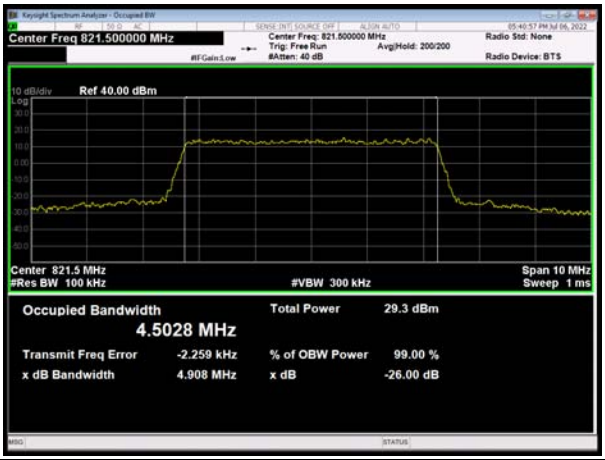
LTE Band 26 16QAM 5MHz CH Low



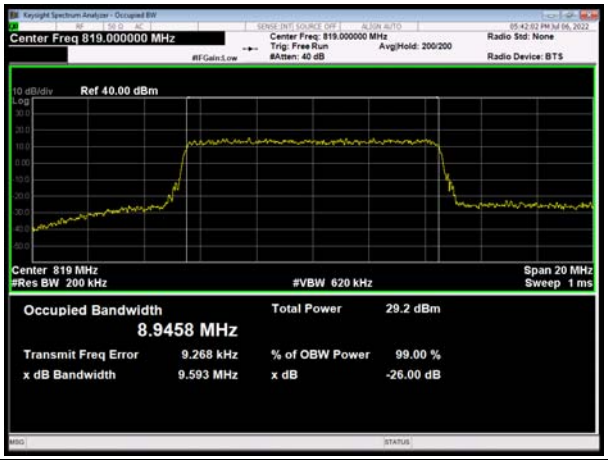
LTE Band 26 16QAM 5MHz CH Middle



LTE Band 26 16QAM 5MHz CH High



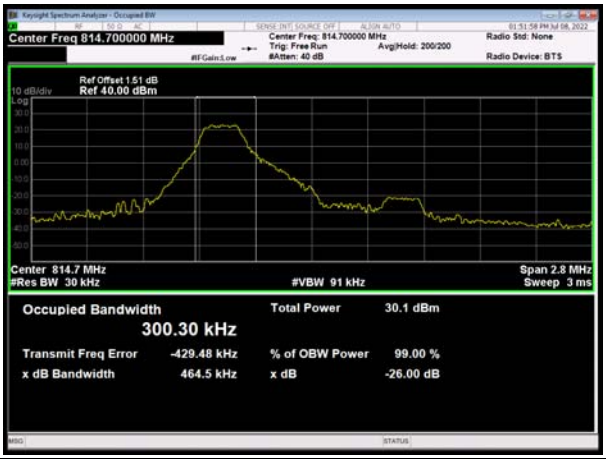
LTE Band 26 16QAM 10MHz CH Middle



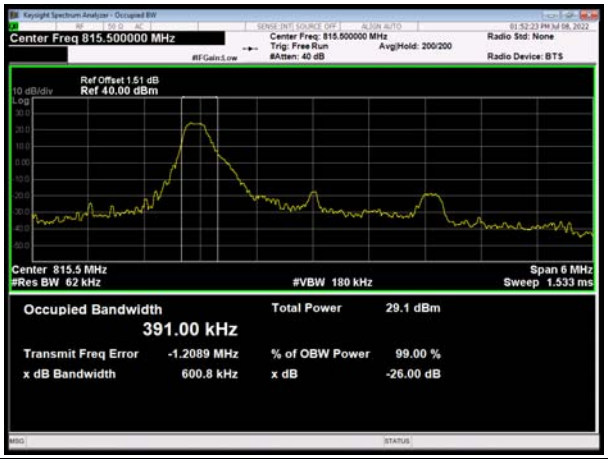
This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

1 RB

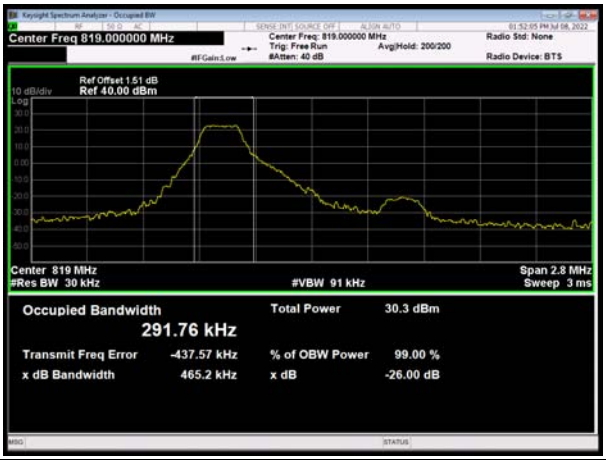
LTE Band 26 QPSK 1.4MHz CH Low



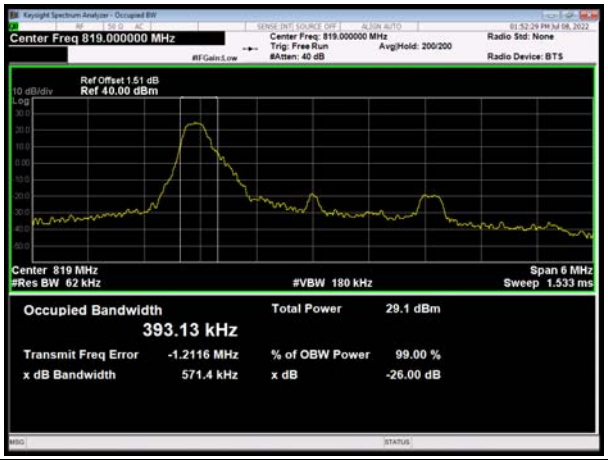
LTE Band 26 QPSK 3MHz CH Low



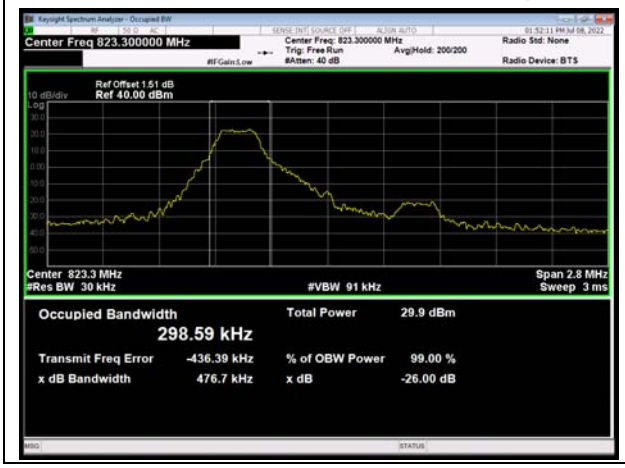
LTE Band 26 QPSK 1.4MHz CH Middle



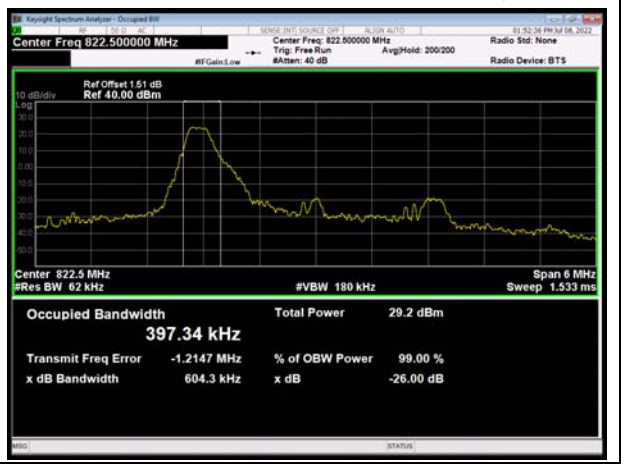
LTE Band 26 QPSK 3MHz CH Middle



LTE Band 26 QPSK 1.4MHz CH High

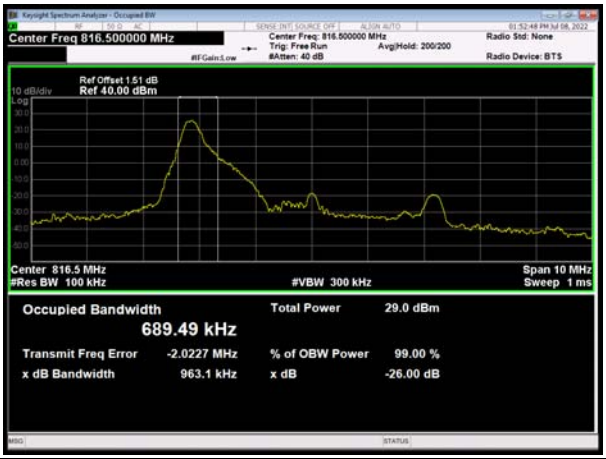


LTE Band 26 QPSK 3MHz CH High

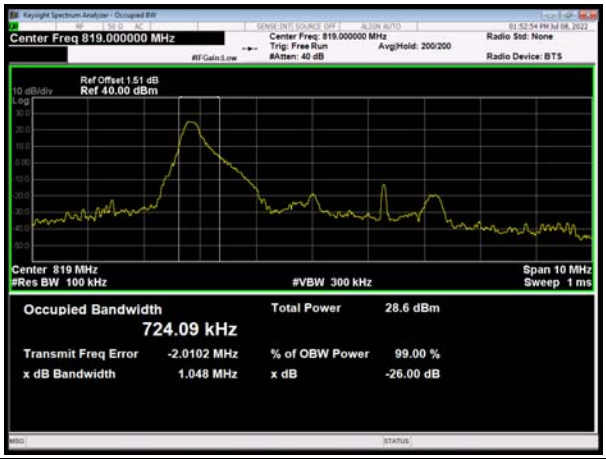


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

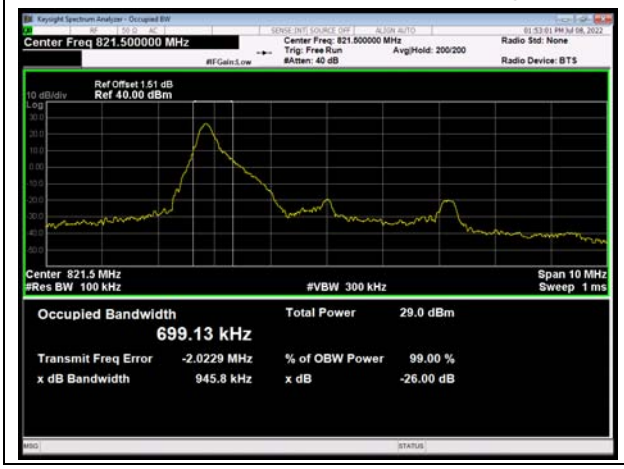
LTE Band 26 QPSK 5MHz CH Low



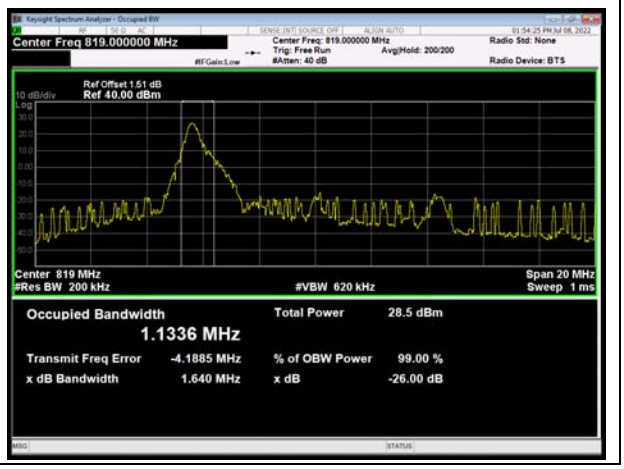
LTE Band 26 QPSK 5MHz CH Middle



LTE Band 26 QPSK 5MHz CH High

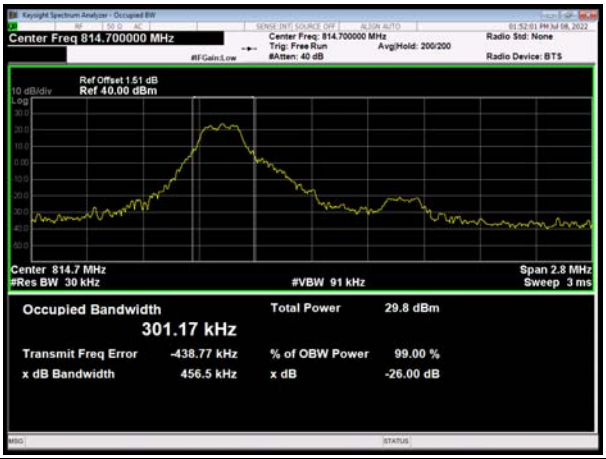


LTE Band 26 QPSK 10MHz CH Middle

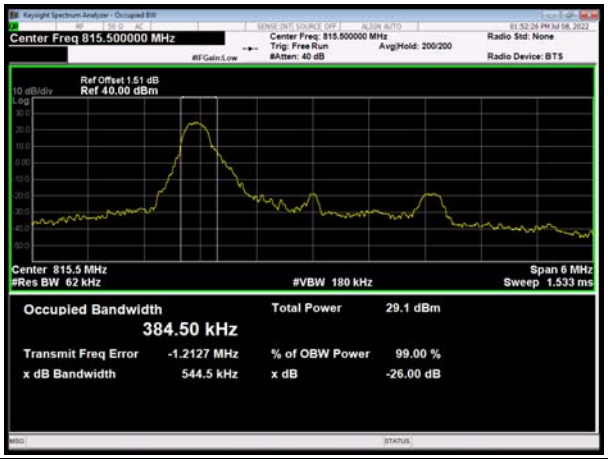


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

LTE Band 26 16QAM 1.4MHz CH Low

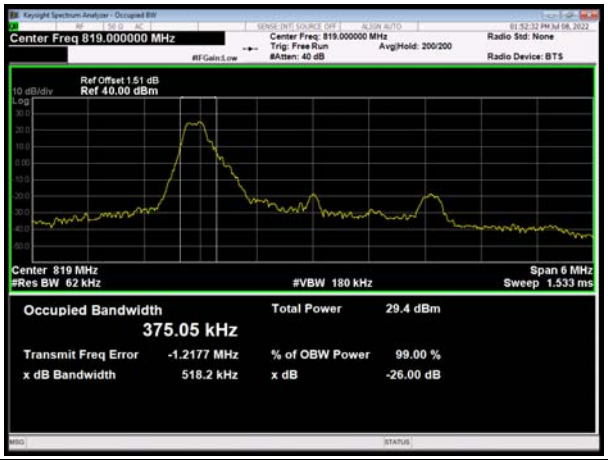


LTE Band 26 16QAM 3MHz CH Low

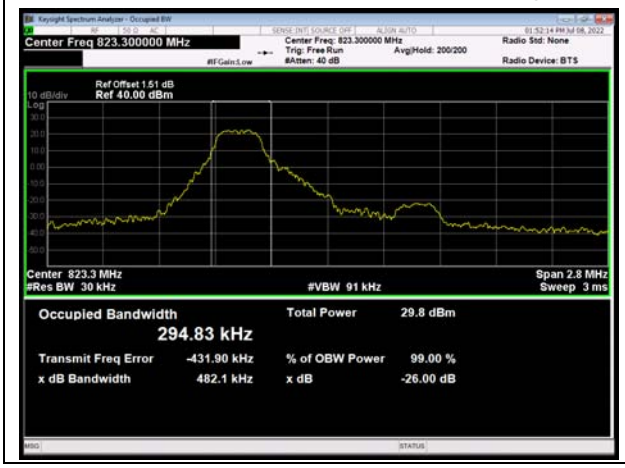


LTE Band 26 16QAM 1.4MHz CH Middle

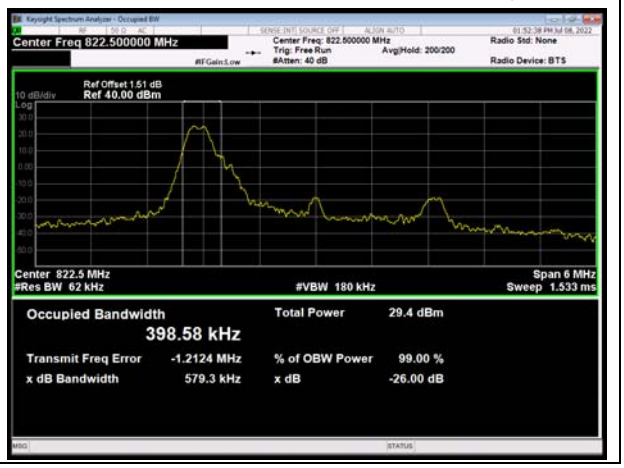
LTE Band 26 16QAM 3MHz CH Middle



LTE Band 26 16QAM 1.4MHz CH High

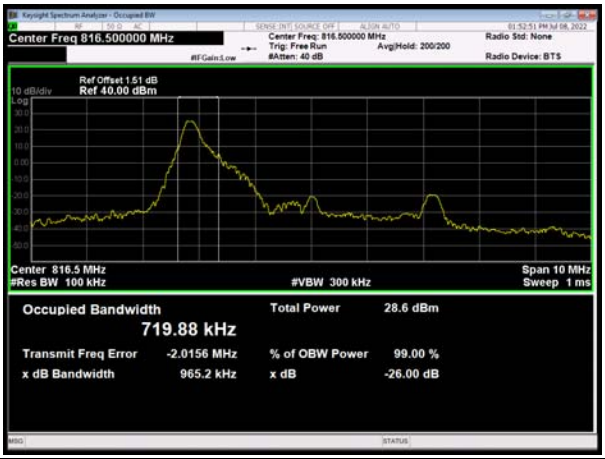


LTE Band 26 16QAM 3MHz CH High

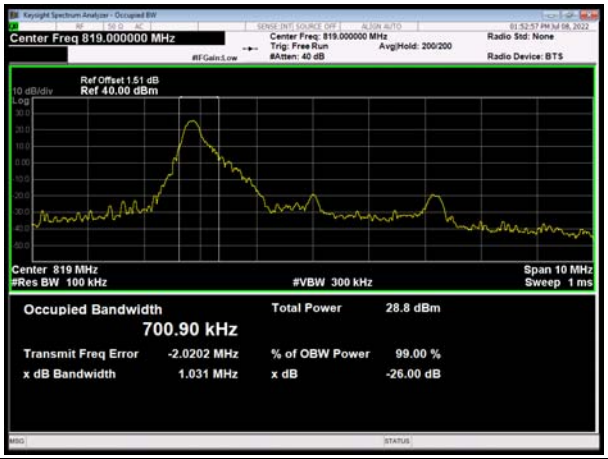


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

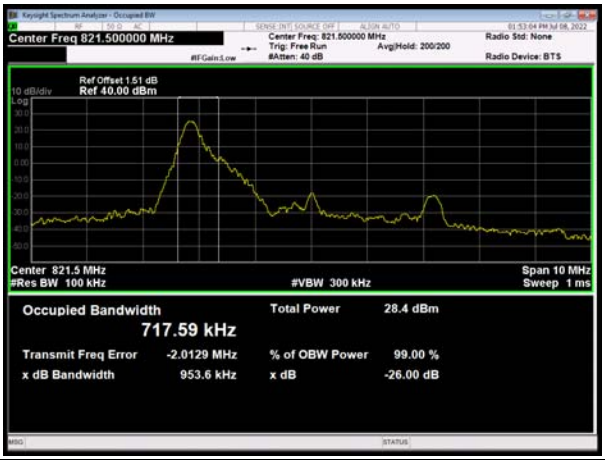
LTE Band 26 16QAM 5MHz CH Low



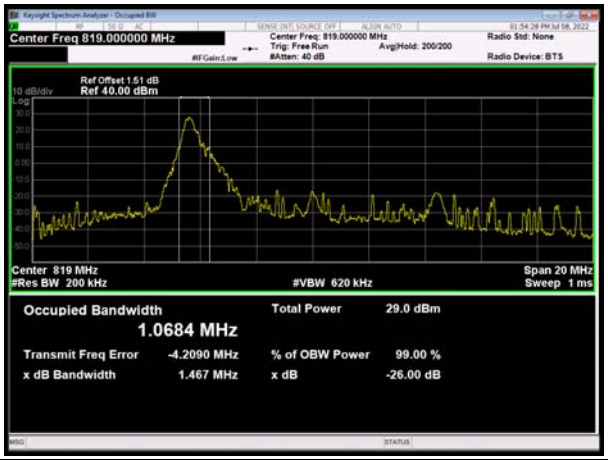
LTE Band 26 16QAM 5MHz CH Middle



LTE Band 26 16QAM 5MHz CH High



LTE Band 26 16QAM 10MHz CH Middle



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

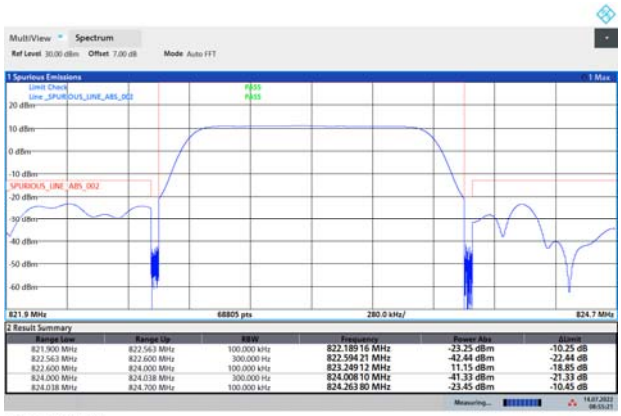
6.3. Emission Mask

LTE Band 26 QPSK 1.4MHz CH-Low 1RB

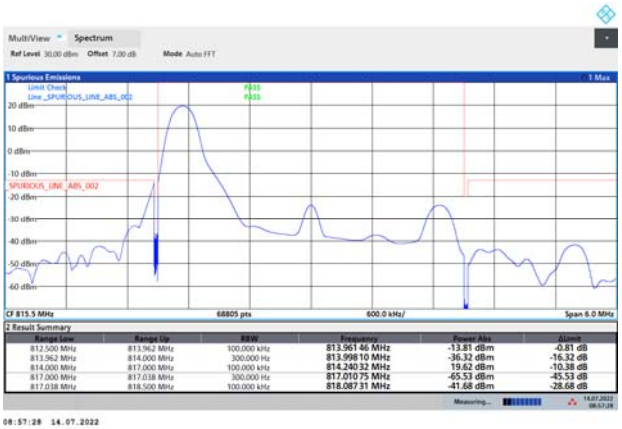
LTE Band 26 QPSK 1.4MHz CH-High 1RB

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

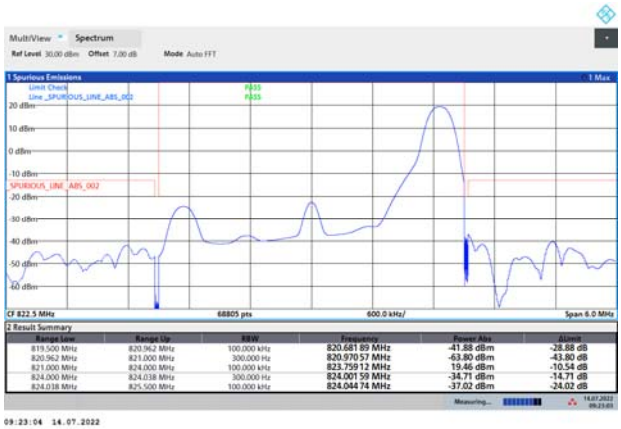
LTE Band 26 QPSK 1.4MHz CH-High 100%RB



LTE Band 26 QPSK 3MHz CH-Low 1RB

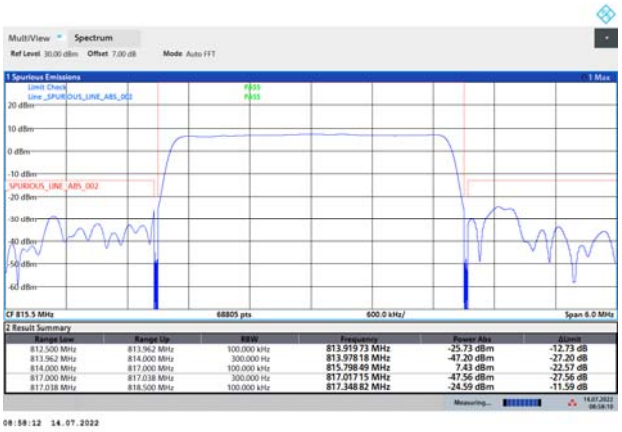


LTE Band 26 QPSK 3MHz CH-High 1RB

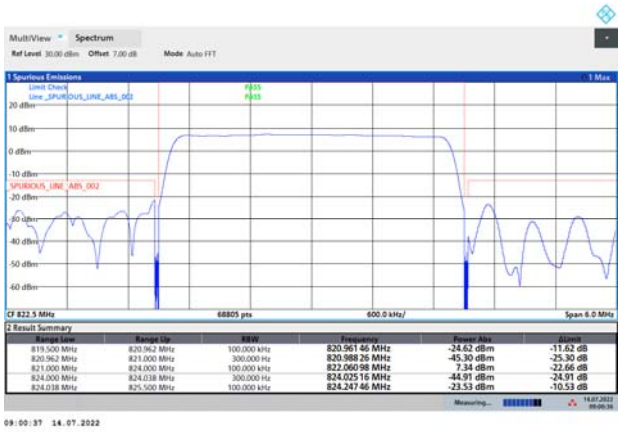


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

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

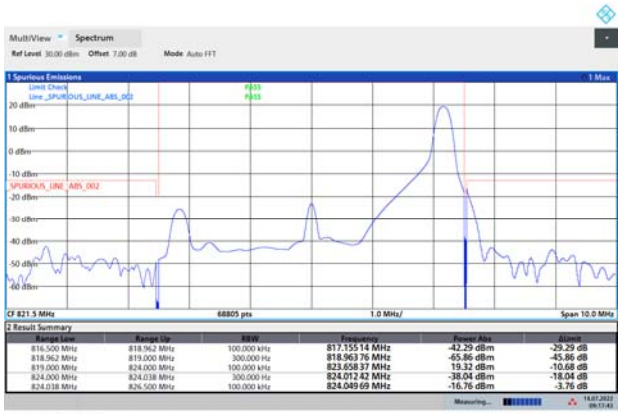


LTE Band 26 QPSK 3MHz CH-High 100%RB

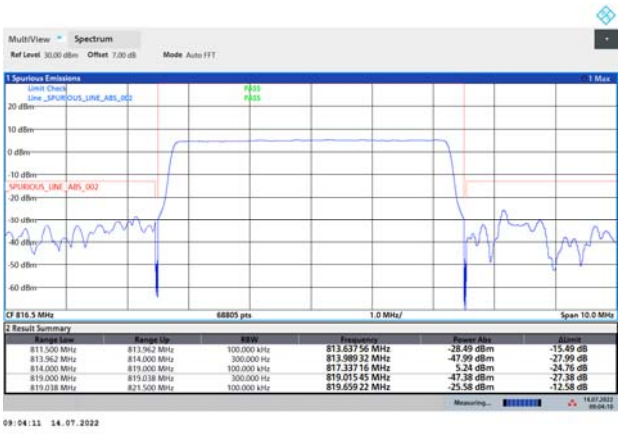


LTE Band 26 QPSK 5MHz CH-Low 1RB

LTE Band 26 QPSK 5MHz CH-High 1RB



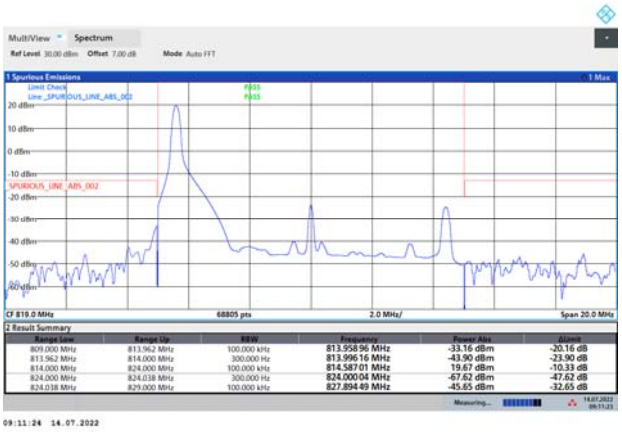
LTE Band 26 QPSK 5MHz CH-Low 100%RB



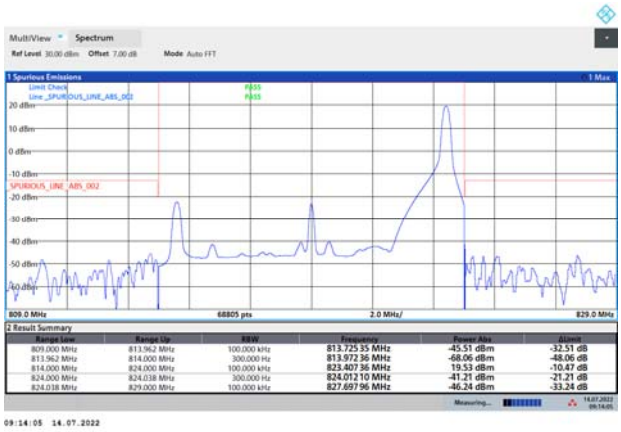
LTE Band 26 QPSK 5MHz CH-High 100%RB

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

LTE Band 26 QPSK 10MHz CH-Low 1RB

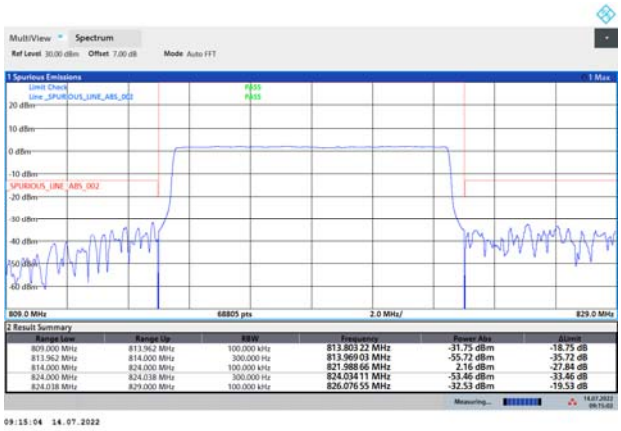


LTE Band 26 QPSK 10MHz CH-High 1RB



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

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



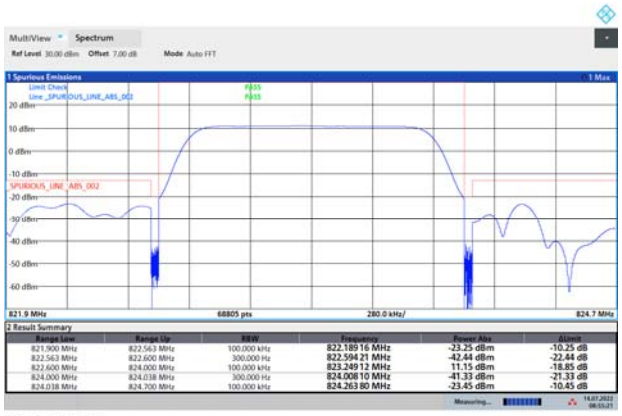
This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

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

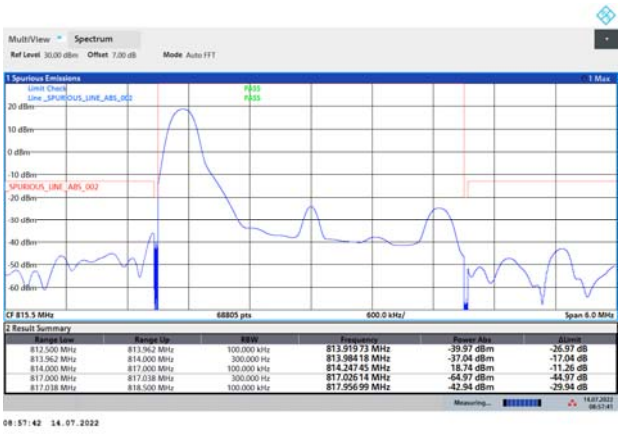
LTE Band 26 16QAM 1.4MHz CH-High 1RB

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

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



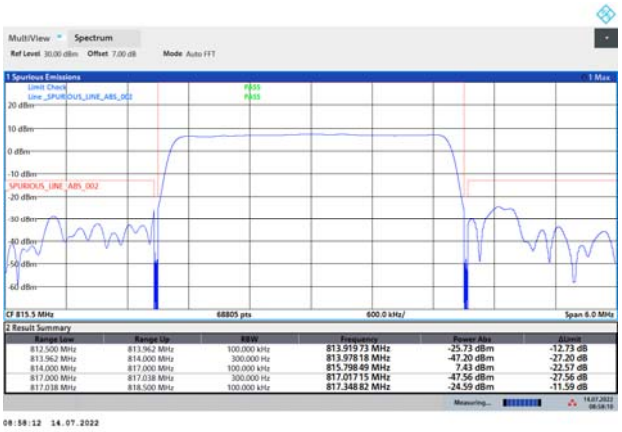
LTE Band 26 16QAM 3MHz CH-Low 1RB



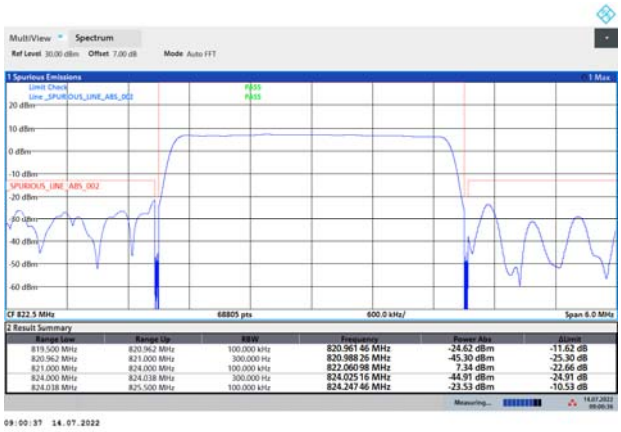
LTE Band 26 16QAM 3MHz CH-High 1RB

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

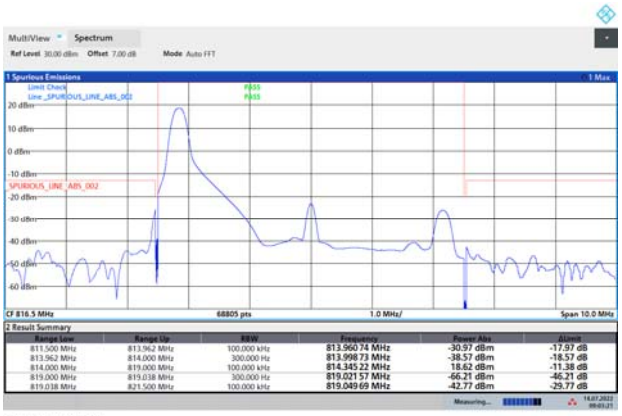
LTE Band 26 16QAM 3MHz CH-Low 100%RB



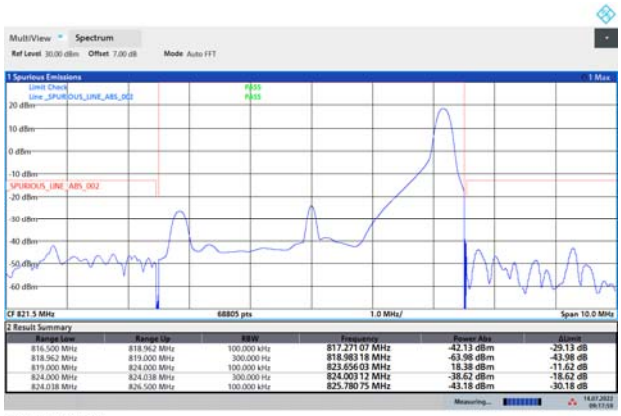
LTE Band 26 16QAM 3MHz CH-High 100%RB



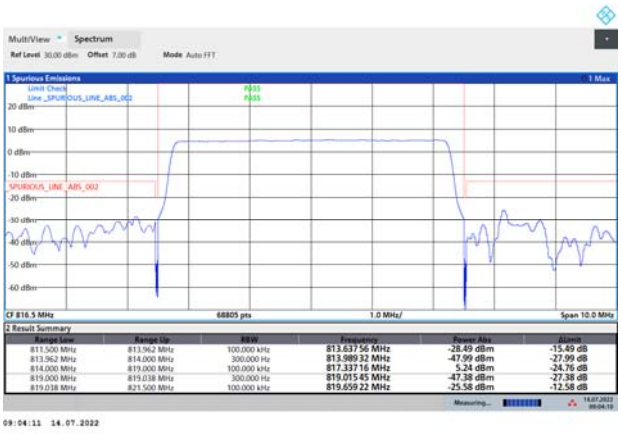
LTE Band 26 16QAM 5MHz CH-Low 1RB



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



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

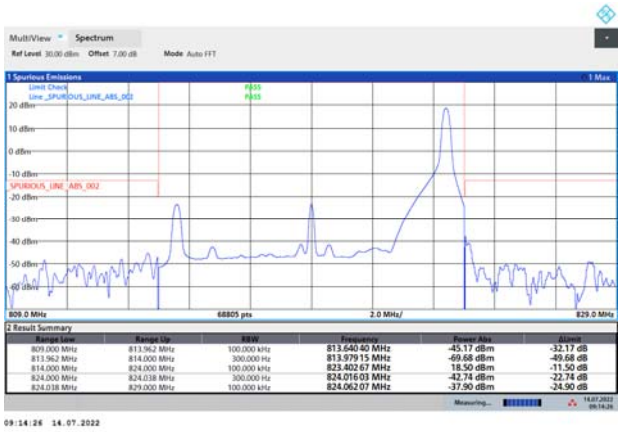


LTE Band 26 16QAM 5MHz CH-High 100%RB

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

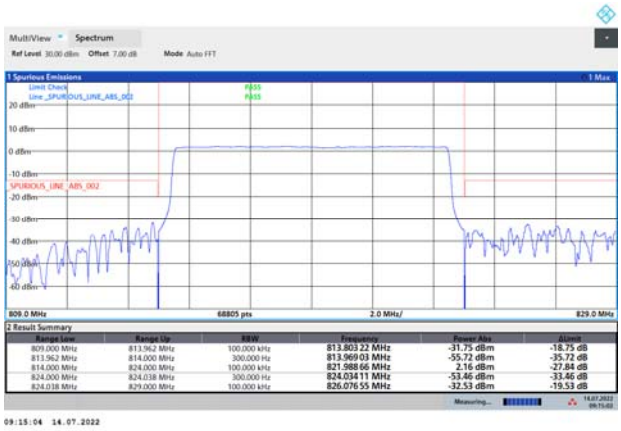
LTE Band 26 16QAM 10MHz CH-Low 1RB

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



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

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	27.63	22.18	5.45	13	PASS
	26740	819	27.56	22.18	5.38	13	PASS
	26783	823.3	27.91	22.22	5.69	13	PASS
3 MHz (QPSK)	26697	814.7	27.63	22.16	5.47	13	PASS
	26740	819	27.66	22.22	5.44	13	PASS
	26783	823.3	27.87	22.20	5.67	13	PASS
5 MHz (QPSK)	26697	814.7	27.74	22.20	5.54	13	PASS
	26740	819	27.75	22.25	5.50	13	PASS
	26783	823.3	27.84	22.21	5.63	13	PASS
10 MHz (QPSK)	26740	819	27.78	22.24	5.54	13	PASS

Mode	Channel	Frequency (MHz)	Peak(dBm)	Avg(dBm)	PAPR(dB)	Limit(dB)	Conclusion
1.4 MHz (16QAM)	26697	814.7	27.50	21.20	6.30	13	PASS
	26740	819	27.39	21.22	6.17	13	PASS
	26783	823.3	27.81	21.32	6.49	13	PASS
3 MHz (16QAM)	26697	814.7	27.51	21.21	6.30	13	PASS
	26740	819	27.54	21.32	6.22	13	PASS
	26783	823.3	27.77	21.27	6.50	13	PASS
5 MHz (16QAM)	26697	814.7	27.55	21.28	6.27	13	PASS
	26740	819	27.57	21.30	6.27	13	PASS
	26783	823.3	27.63	21.26	6.37	13	PASS
10 MHz (16QAM)	26740	819	27.64	21.31	6.33	13	PASS

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

6.5. Frequency Stability

LTE Band 26						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability（ppm）	Frequency Stability（ppm）	Verdict
BANDWIDTH	1.4MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal（25℃）	Normal	11.67	12.03	0.01424	0.01469	PASS
Extreme（50℃）		13.80	14.85	0.01685	0.01813	PASS
Extreme（40℃）		3.34	8.11	0.00408	0.00990	PASS
Extreme（30℃）		6.18	9.75	0.00754	0.01190	PASS
Extreme（20℃）		6.92	17.13	0.00845	0.02091	PASS
Extreme（10℃）		1.10	2.75	0.00135	0.00336	PASS
Extreme（0℃）		5.00	7.04	0.00611	0.00860	PASS
Extreme（-10℃）		16.39	11.95	0.02001	0.01459	PASS
Extreme（-20℃）		6.53	3.21	0.00797	0.00393	PASS
Extreme（-30℃）		3.14	1.91	0.00383	0.00234	PASS
25℃	LV	1.88	13.56	0.00229	0.01655	PASS
	HV	13.57	14.13	0.01657	0.01726	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability（ppm）	Frequency Stability（ppm）	Verdict
BANDWIDTH	3MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal（25℃）	Normal	4.51	8.14	0.00551	0.00993	PASS
Extreme（50℃）		6.20	11.12	0.00756	0.01357	PASS
Extreme（40℃）		13.31	5.34	0.01625	0.00652	PASS
Extreme（30℃）		16.32	10.85	0.01992	0.01325	PASS
Extreme（20℃）		5.90	8.22	0.00720	0.01003	PASS
Extreme（10℃）		5.60	11.50	0.00683	0.01404	PASS
Extreme（0℃）		4.67	4.61	0.00570	0.00562	PASS
Extreme（-10℃）		8.54	13.07	0.01043	0.01596	PASS
Extreme（-20℃）		7.07	16.31	0.00863	0.01992	PASS
Extreme（-30℃）		3.06	15.97	0.00374	0.01950	PASS
25℃	LV	15.26	11.16	0.01863	0.01363	PASS
	HV	2.52	1.67	0.00307	0.00204	PASS

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

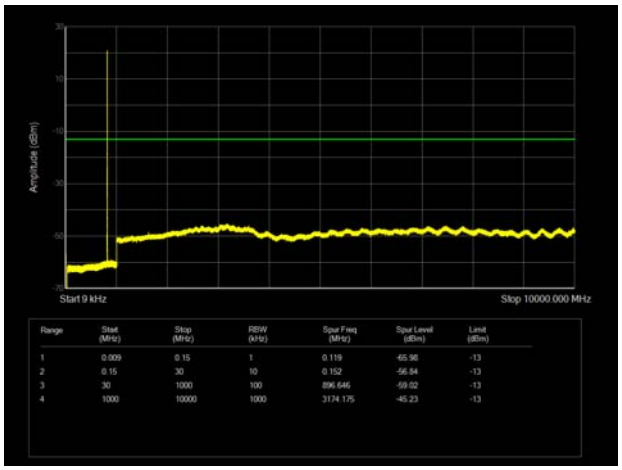
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability（ppm）	Frequency Stability（ppm）	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal（25℃）	Normal	13.08	3.05	0.01597	0.00373	PASS
Extreme（50℃）		13.08	7.13	0.01597	0.00870	PASS
Extreme（40℃）		4.58	12.41	0.00559	0.01516	PASS
Extreme（30℃）		14.28	3.90	0.01744	0.00476	PASS
Extreme（20℃）		17.62	3.76	0.02151	0.00459	PASS
Extreme（10℃）		17.66	11.53	0.02156	0.01408	PASS
Extreme（0℃）		6.27	12.02	0.00765	0.01468	PASS
Extreme（-10℃）		4.21	11.53	0.00514	0.01408	PASS
Extreme（-20℃）		4.94	17.27	0.00604	0.02108	PASS
Extreme（-30℃）		14.36	9.45	0.01754	0.01153	PASS
25℃	LV	9.16	6.65	0.01118	0.00812	PASS
	HV	6.14	9.44	0.00749	0.01153	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability（ppm）	Frequency Stability（ppm）	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal（25℃）	Normal	10.94	16.59	0.01336	0.02026	PASS
Extreme（50℃）		7.89	13.28	0.00963	0.01622	PASS
Extreme（40℃）		11.85	12.28	0.01447	0.01500	PASS
Extreme（30℃）		13.33	8.40	0.01628	0.01025	PASS
Extreme（20℃）		17.41	9.81	0.02126	0.01198	PASS
Extreme（10℃）		4.27	6.59	0.00521	0.00805	PASS
Extreme（0℃）		17.68	7.93	0.02159	0.00968	PASS
Extreme（-10℃）		12.15	17.13	0.01484	0.02092	PASS
Extreme（-20℃）		3.54	10.96	0.00432	0.01339	PASS
Extreme（-30℃）		3.74	2.60	0.00456	0.00318	PASS
25℃	LV	4.95	9.91	0.00605	0.01210	PASS
	HV	11.66	8.84	0.01423	0.01080	PASS

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

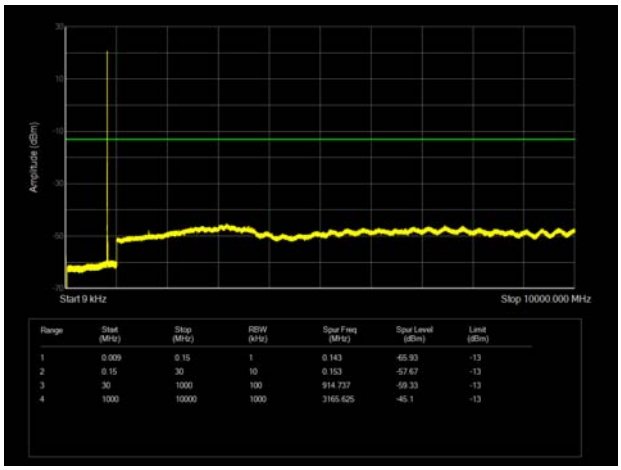
6.6. Spurious Emissions at Antenna Terminals

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.

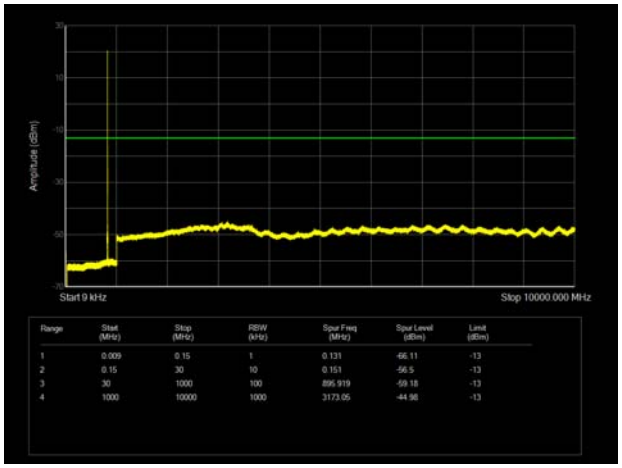
LTE Band 26 1.4MHz CH Low 9kHz~10GHz



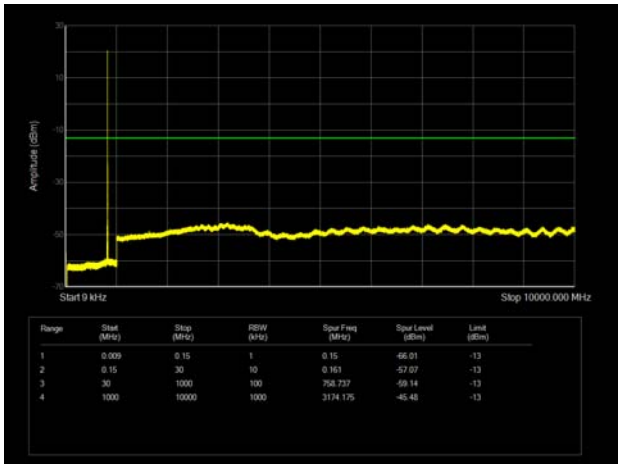
LTE Band 26 3MHz CH Low 9kHz~10GHz



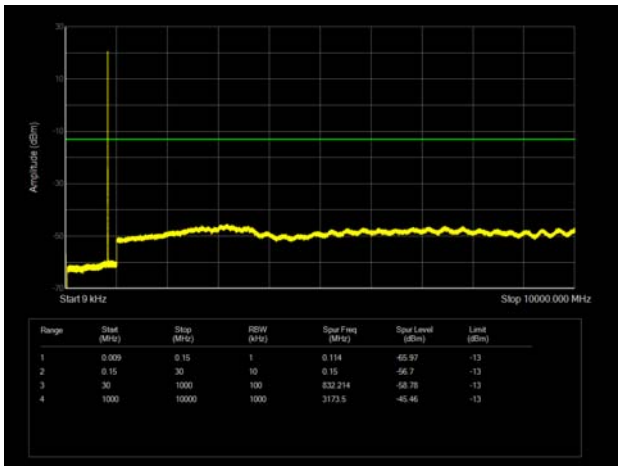
LTE Band 26 1.4MHz CH Middle 9kHz~10GHz



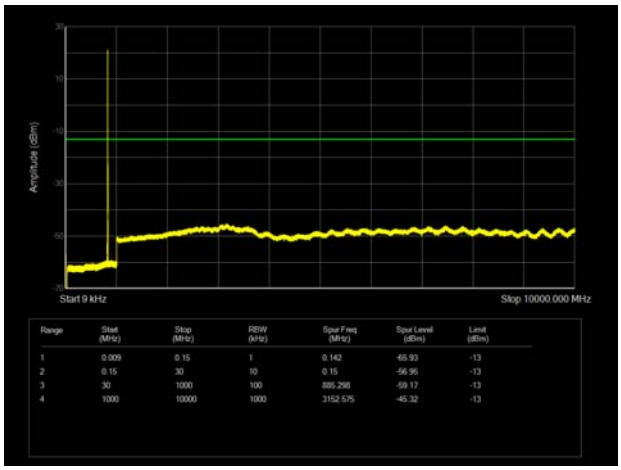
LTE Band 26 3MHz CH Middle 9kHz~10GHz



LTE Band 26 1.4MHz CH High 9kHz~10GHz

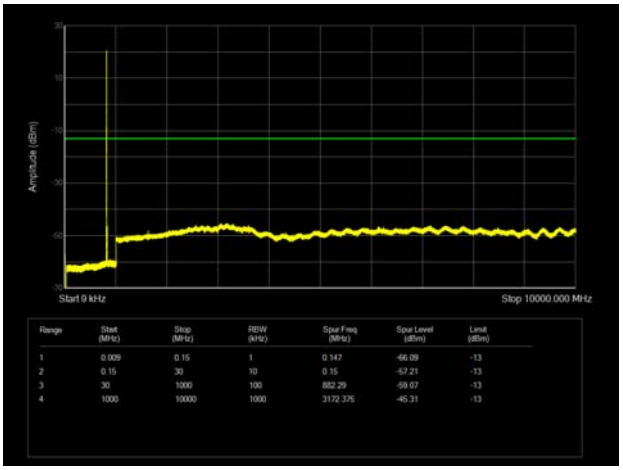


LTE Band 26 3MHz CH High 9kHz~10GHz

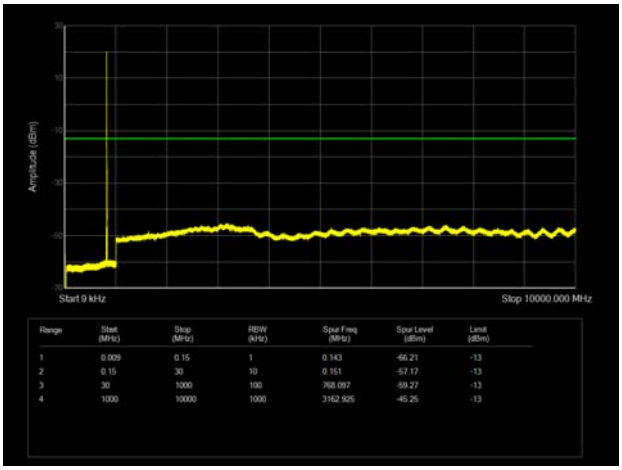


This report shall not be reproduced except in full, without the written approval of TA Technology (Shanghai) Co., Ltd.

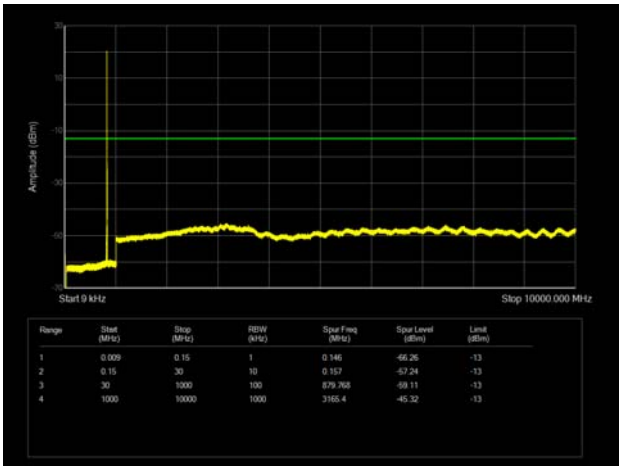
LTE Band 26 5MHz CH Low 9kHz~10GHz



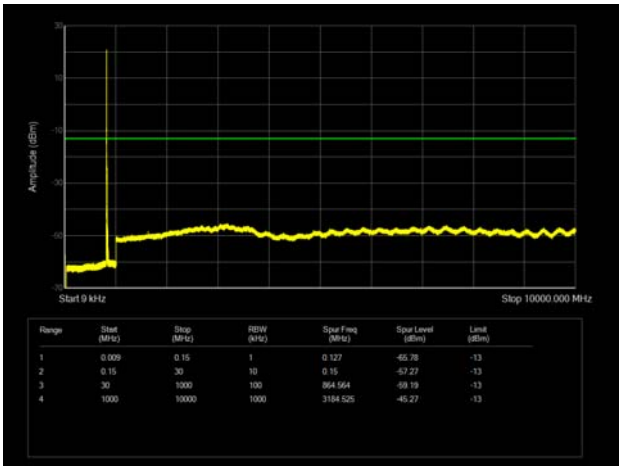
LTE Band 26 5MHz CH Middle 9kHz~10GHz



LTE Band 26 5MHz CH High 3kHz~10GHz



LTE Band 26 10MHz CH Middle 9kHz~10GHz



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

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.

Main Antenna

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	1637.00	-65.02	1.70	8.70	Vertical	-60.17	-13.00	47.17	45
3	2454.90	-66.30	2.30	12.00	Vertical	-58.75	-13.00	45.75	180
4	3273.20	-63.54	2.20	13.10	Vertical	-54.79	-13.00	41.79	180
5	4091.50	-63.05	3.00	12.50	Vertical	-55.70	-13.00	42.70	225
6	4909.80	-64.12	3.10	12.50	Vertical	-56.87	-13.00	43.87	270
7	5728.10	-56.99	3.40	12.50	Vertical	-50.04	-13.00	37.04	0
8	6546.40	-51.94	3.80	11.50	Vertical	-46.39	-13.00	33.39	180
9	7364.70	-51.11	4.20	12.20	Vertical	-45.26	-13.00	32.26	45
10	8183.00	-53.90	4.30	12.30	Vertical	-48.05	-13.00	35.05	180
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 Vertical 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	1633.60	-65.56	1.70	8.70	Vertical	-60.71	-13.00	47.71	0
3	2450.55	-62.68	2.30	12.00	Vertical	-55.13	-13.00	42.13	180
4	3266.00	-65.62	2.20	13.10	Vertical	-56.87	-13.00	43.87	180
5	4082.50	-62.99	3.00	12.50	Vertical	-55.64	-13.00	42.64	315
6	4899.00	-63.87	3.10	12.50	Vertical	-56.62	-13.00	43.62	0
7	5715.50	-61.13	3.40	12.50	Vertical	-54.18	-13.00	41.18	315
8	6532.00	-54.87	3.80	11.50	Vertical	-49.32	-13.00	36.32	270
9	7348.50	-52.75	4.20	12.20	Vertical	-46.90	-13.00	33.90	0
10	8165.00	-54.25	4.30	12.30	Vertical	-48.40	-13.00	35.40	180
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 Vertical position.									

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

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	1628.95	-64.81	1.70	8.70	Vertical	-59.96	-13.00	46.96	315
3	2442.00	-65.99	2.30	12.00	Vertical	-58.44	-13.00	45.44	0
4	3256.00	-65.29	2.20	13.10	Vertical	-56.54	-13.00	43.54	315
5	4070.00	-64.45	3.00	12.50	Vertical	-57.10	-13.00	44.10	45
6	4884.00	-63.80	3.10	12.50	Vertical	-56.55	-13.00	43.55	0
7	5698.00	-61.03	3.40	12.50	Vertical	-54.08	-13.00	41.08	0
8	6512.00	-54.60	3.80	11.50	Vertical	-49.05	-13.00	36.05	180
9	7326.00	-53.48	4.20	12.20	Vertical	-47.63	-13.00	34.63	45
10	8140.00	-54.11	4.30	12.30	Vertical	-48.26	-13.00	35.26	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 Vertical position.									

Second Antenna

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	1637.00	-60.63	1.70	8.70	Horizontal	-55.78	-13.00	42.78	45
3	2454.90	-56.48	2.30	12.00	Horizontal	-48.93	-13.00	35.93	45
4	3273.20	-65.49	2.20	13.10	Horizontal	-56.74	-13.00	43.74	180
5	4091.50	-63.87	3.00	12.50	Horizontal	-56.52	-13.00	43.52	225
6	4909.80	-64.04	3.10	12.50	Horizontal	-56.79	-13.00	43.79	270
7	5728.10	-63.72	3.40	12.50	Horizontal	-56.77	-13.00	43.77	0
8	6546.40	-55.37	3.80	11.50	Horizontal	-49.82	-13.00	36.82	180
9	7364.70	-53.69	4.20	12.20	Horizontal	-47.84	-13.00	34.84	45
10	8183.00	-54.41	4.30	12.30	Horizontal	-48.56	-13.00	35.56	180
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.									

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

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	1633.60	-65.28	1.70	8.70	Horizontal	-60.43	-13.00	47.43	0
3	2450.55	-49.22	2.30	12.00	Horizontal	-41.67	-13.00	28.67	180
4	3266.00	-65.72	2.20	13.10	Horizontal	-56.97	-13.00	43.97	180
5	4082.50	-64.18	3.00	12.50	Horizontal	-56.83	-13.00	43.83	315
6	4899.00	-64.07	3.10	12.50	Horizontal	-56.82	-13.00	43.82	0
7	5715.50	-63.58	3.40	12.50	Horizontal	-56.63	-13.00	43.63	315
8	6532.00	-60.32	3.80	11.50	Horizontal	-54.77	-13.00	41.77	270
9	7348.50	-56.62	4.20	12.20	Horizontal	-50.77	-13.00	37.77	0
10	8165.00	-54.58	4.30	12.30	Horizontal	-48.73	-13.00	35.73	180
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	1628.95	-61.03	1.70	8.70	Horizontal	-56.18	-13.00	43.18	270
3	2442.00	-59.16	2.30	12.00	Horizontal	-51.61	-13.00	38.61	90
4	3256.00	-64.47	2.20	13.10	Horizontal	-55.72	-13.00	42.72	315
5	4070.00	-64.19	3.00	12.50	Horizontal	-56.84	-13.00	43.84	45
6	4884.00	-64.43	3.10	12.50	Horizontal	-57.18	-13.00	44.18	0
7	5698.00	-62.00	3.40	12.50	Horizontal	-55.05	-13.00	42.05	0
8	6512.00	-54.03	3.80	11.50	Horizontal	-48.48	-13.00	35.48	180
9	7326.00	-54.07	4.20	12.20	Horizontal	-48.22	-13.00	35.22	45
10	8140.00	-54.24	4.30	12.30	Horizontal	-48.39	-13.00	35.39	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.									

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

7. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMW500	113824	2022-05-14	2023-05-13
Spectrum Analyzer	Keysight	N9020A	MY50510203	2021-12-12	2022-12-11
Universal Radio Communication Tester	Agilent	E5515C	GB44400275	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Climatic Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
Radiates Spurious Emission					
Signal Analyzer	R&S	FSV30	100815	2021-12-12	2022-12-11
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2019-12-16	2022-12-15
Horn Antenna	R&S	HF907	102723	2020-08-11	2023-08-10
Software	R&S	EMC32	10.35.10	/	/

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

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

ANNEX A: The EUT Appearance

The EUT Appearance is submitted separately.

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

ANNEX B: Test Setup Photos

The Test Setup Photos is submitted separately.

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