

RF MEASUREMENT REPORT

FCC ID: XMR202307EG92NA
Applicant: Quectel Wireless Solutions Co., Ltd
Product: LTE Cat 1 Module
Model No.: EG92-NA
Brand Name: QUECTEL
FCC Rule Part(s): Part 2, 22 (H), 24 (E), 27
Result: Complies
Received Date: 2023-08-03
Test Date: 2023-08-04 ~ 2023-08-14

Reviewed By:

Sunny Sun

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.26-2015. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2208RSU011-U1	V01	Initial Report	2023-08-22	Invalid
2208RSU011-U1	V02	Modify some description	2023-08-28	valid

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1.4. Product Information

Product Name	LTE Cat 1 Module
Model No.	EG92-NA
Brand Name	QUECTEL
IMEI	867544060001996
3GPP Specification	LTE Band 2/4/5/12/13/66/71
Operating Temperature	-35 ~ 75 °C
Supply Voltage	3.3 ~ 4.3Vdc, typical 3.8Vdc
Remark: 1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification Under Testing

E-UTRA Specification	
TX Frequency Range	LTE Band 2: 1850 ~ 1910MHz, LTE Band 4: 1710 ~ 1755MHz LTE Band 5: 824 ~ 849MHz, LTE Band 12: 699 ~ 716MHz LTE Band 13: 777 ~ 787MHz, LTE Band 66: 1710 ~ 1780MHz LTE Band 71: 663 ~ 698MHz,
RX Frequency Range	LTE Band 2: 1930 ~ 1990MHz, LTE Band 4: 2110 ~ 2155MHz LTE Band 5: 869 ~ 894MHz, LTE Band 12: 729 ~ 746MHz LTE Band 13: 746 ~ 756MHz, LTE Band 66: 2110 ~ 2200MHz LTE Band 71: 617 ~ 652MHz,
Modulation	UL up to 16QAM & DL up to 64QAM
Power Class	3

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE Band 2	1850 ~ 1910	Dipole	1.59
LTE Band 4	1710 ~ 1755		2.00
LTE Band 5	824 ~ 849		2.53
LTE Band 12	699 ~ 716		3.95
LTE Band 13	777 ~ 787		4.45
LTE Band 66	1710 ~ 1780		2.00
LTE Band 71	663 ~ 698		1.66

Note 1: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer.

Note 2: The typical antennas used to calculate the ERP (EIRP).

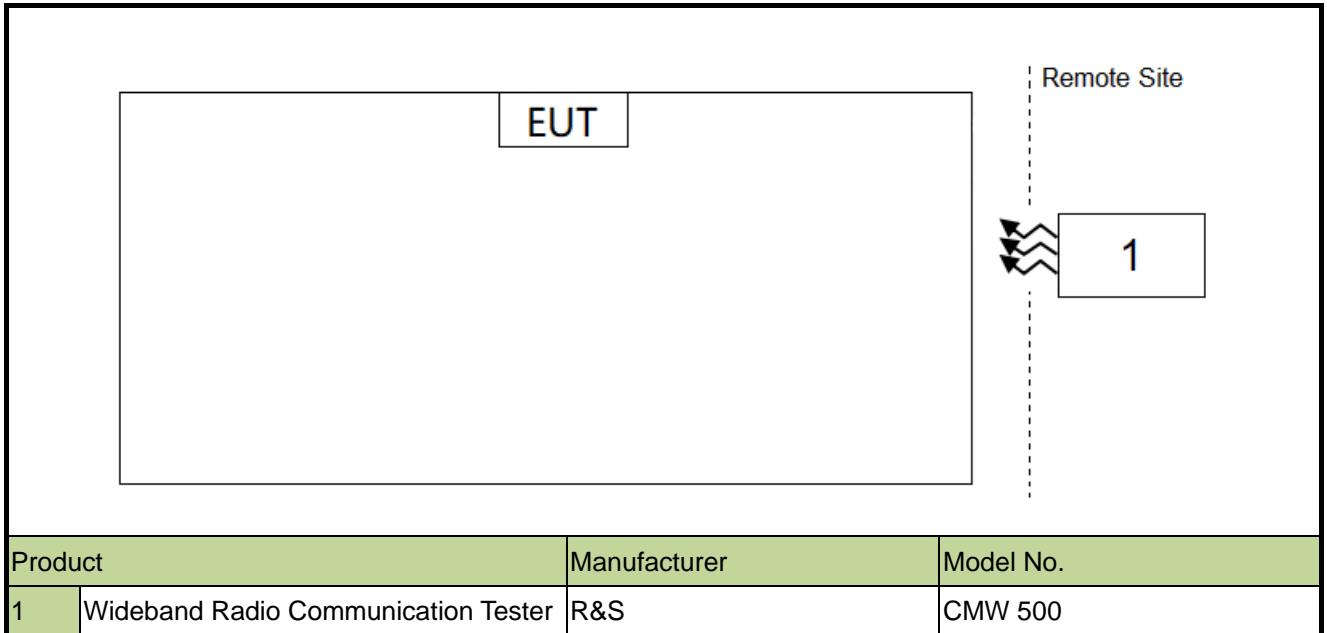
1.7. Test Methodology

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

- ANSI C63.26:2015
- FCC CFR 47 Part 2, Part 22, Part 24, Part 27
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r01: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01: Determining ERP and EIRP

2. Test Configuration

2.1. Test System Connection Diagram



2.2. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20% ~ 75%RH

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2024-05-15	WZ-AC2
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2023-09-29	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2024-05-23	WZ-AC2
Thermohygrometer	Mingle	ETH529	MRTSUE06170	1 year	2023-11-27	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2023-10-13	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2024-05-07	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2024-04-20	WZ-AC2
Horn Antenna	ETS	3117	MRTSUE06257	1 year	2023-09-18	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2023-11-05	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2024-01-12	WZ-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06987	1 year	2023-09-08	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11038	1 year	2023-11-01	WZ-AC2
Test loop antenna	MRT	d-2m	MRTSUE11131	N/A	N/A	WZ-AC2
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2023-10-08	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2024-05-31	WZ-TR3
Communication Tester	R&S	CMW500	MRTSUE06108	1 year	2023-11-25	WZ-SR6
Thermohygrometer	testo	608-H1	MRTSUE06362	1 year	2024-02-14	WZ-SR6
Shielding Room	HUAMING	WZ-SR6	MRTSUE06443	N/A	N/A	WZ-SR6
Signal Analyzer	Keysight	N9020B	MRTSUE06583	1 year	2023-10-08	WZ-SR6
Directional Coupler	narda	4226-10	MRTSUE06563	1 year	2023-10-27	WZ
Attenuator	MVE	MVE2213	MRTSUE11077	1 year	2024-06-08	WZ
Attenuator	MVE	MVE2213	MRTSUE11078	1 year	2024-06-08	WZ
Attenuator	MVE	MVE2213	MRTSUE11088	1 year	2024-06-08	WZ

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software
Controller_MF 7802	2.03C	RE Antenna & Turntable

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Radiated Spurious Emissions	
The maximum measurement uncertainty is evaluated as:	
Coaxial:	9kHz~30MHz: 2.59dB
Coplanar:	9kHz~30MHz: 2.60dB
Horizontal:	30MHz~200MHz: 3.85dB
	200MHz~1GHz: 4.36dB
	1GHz~40GHz: 4.98dB
Vertical:	30MHz~200MHz: 4.06dB
	200MHz~1GHz: 5.28dB
	1GHz~40GHz: 4.91dB
Conducted Spurious Emissions	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
2.3dB	
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
1.5dB	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
3.2%	
Frequency Stability	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$):	
79.9Hz	

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
2.1049	Occupied Bandwidth	Conducted	Pass
2.1055, 22.355, 24.235, 27.54	Frequency Stability		Pass
22.913(a)(5), 24.232(c) 27.50(b)(10) (c)(10) (d)(4)	Equivalent Radiated Power		Pass
22.913(d), 24.232(d), 27.50(d)(5)	Peak to Average Ratio		Pass
2.1051, 22.917(a), 24.238(a) 27.53(c) (f) (g) (h)	Band Edge		Pass
2.1051, 22.917(a), 24.238(a) 27.53(c) (f) (g) (h)	Spurious Emission		
2.1051, 22.917(a), 24.238(a) 27.53(c) (f) (g) (h)	Spurious Emissions	Radiated	Pass

Notes:

- 1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 2) All supported modulation types were evaluated. The worst-case emission of modulation was selected. Therefore, the Frequency Stability, Peak to Average Ratio, Channel Band Edge, Conducted Spurious Emission, Radiated Spurious Emission were presented the worst-case in the test report.
- 3) For radiated emission tests, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
- 4) LTE Band 66 (1710 ~ 1780 MHz) overlaps the entire frequency range of LTE Band 4 (1710 ~ 1755 MHz). Therefore, test data provided in this report covers Band 4 as well as Band 66.

5.2. Occupied Bandwidth Measurement

5.2.1. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

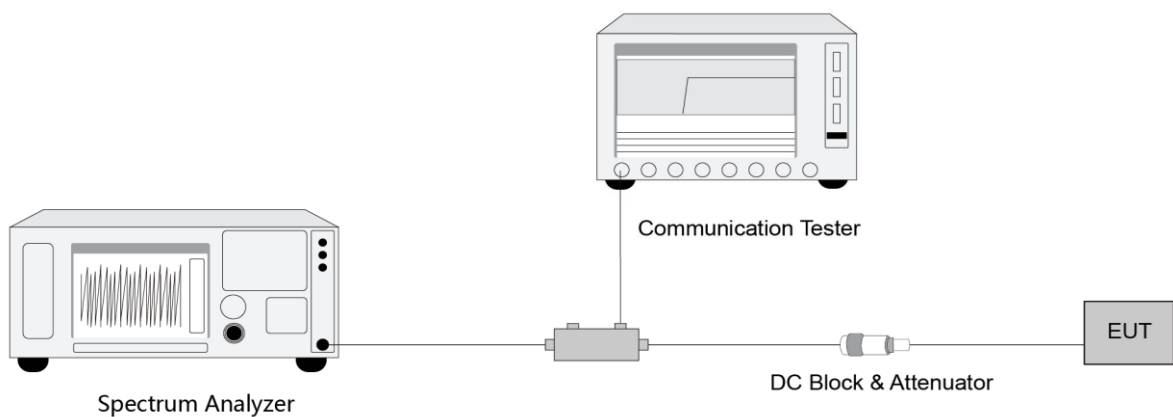
5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.4

5.2.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency
2. RBW = The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

5.3. Frequency Stability Measurement

5.3.1. Test Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

5.3.2. Test Procedure

ANSI C63.26-2015 - Section 5.6

5.3.3. Test Setting

1. Use the occupied bandwidth function of the instrument and record the low edge for low channel occupancy bandwidth and the high edge for high channel occupancy bandwidth.
2. Change the temperature of equipment and repeat Steps 1.
3. Change the Voltage of equipment and repeat Steps 1.
4. Use the frequency error function of the instrument and record the frequency error.
5. Change the temperature of equipment and repeat Steps 4.
6. Change the Voltage of equipment and repeat Steps 4.

Frequency Stability Under Temperature Variations:

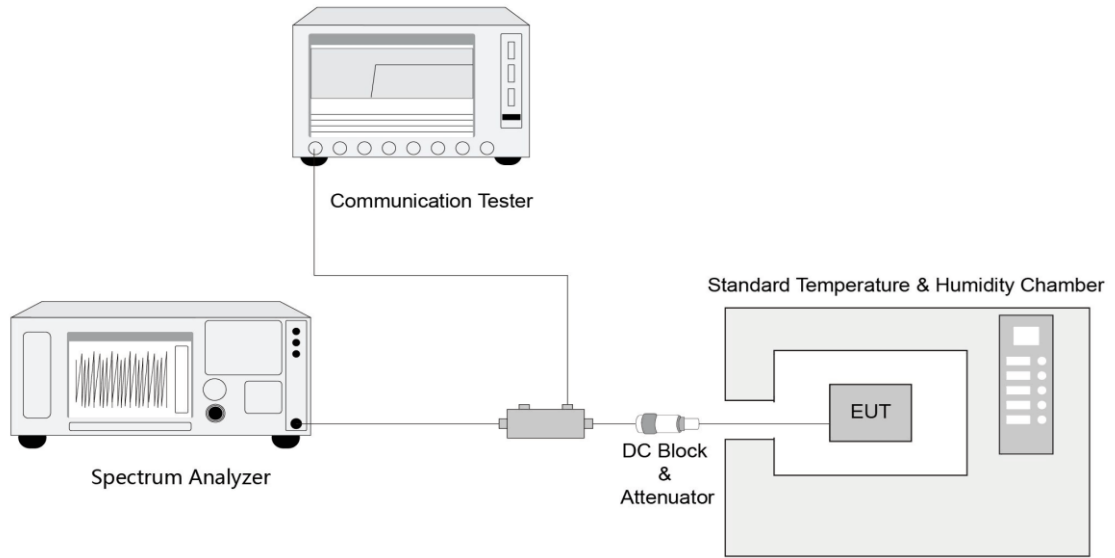
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

Refer to Appendix A.2.

5.4. Equivalent Isotropically Radiated Power Measurement

5.4.1. Test Limit

Band 2:

Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

Band 4/66:

Fixed, mobile stations operating in the 1710-1755 MHz band and mobile in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

Band 5:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

Band 12, 13:

Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 30 watts ERP.

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

Band 71

Fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

5.4.2. Test Procedure

ANSI C63.26-2015 - Section 5.2

5.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T$$

where

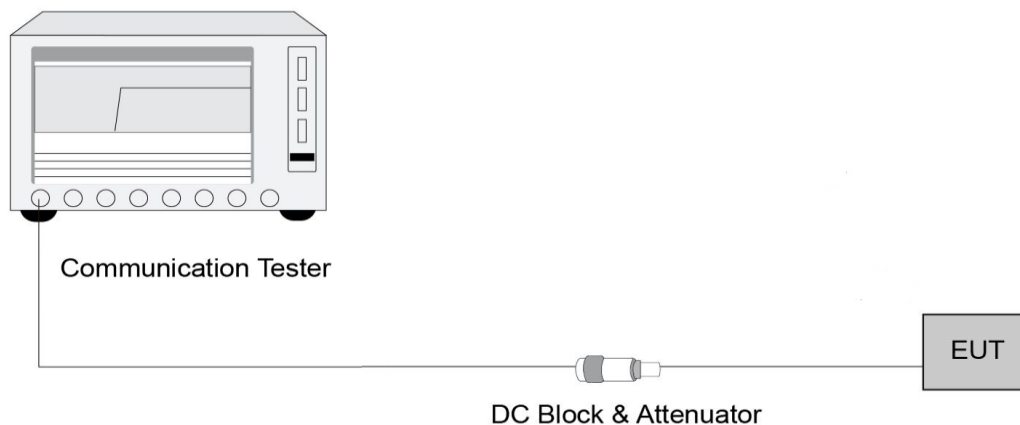
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)

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

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

$$\text{ERP} = \text{EIRP} - 2.15$$

5.4.4. Test Setup



5.4.5. Test Result

Refer to Appendix A.3.

5.5. Peak to Average Ratio Measurement

5.5.1. Test Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

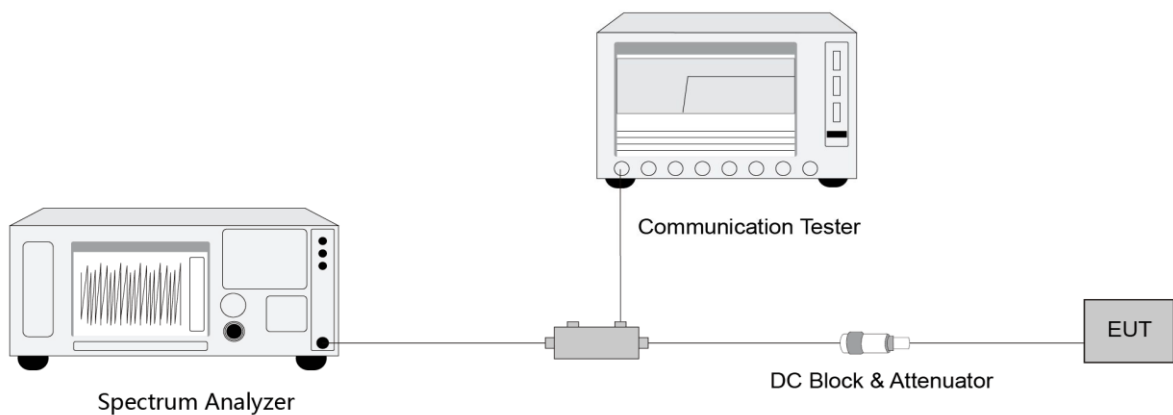
5.5.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.3.4 (CCDF).

5.5.3. Test Setting

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

5.5.4. Test Setup



5.5.5. Test Result

Refer to Appendix A.4

5.6. Band Edge Measurement

5.6.1. Test Limit

22.917(a), 24.238 (a), 27.53 (g) (h)

For operations in the 824 ~ 849 MHz, 1850 ~ 1910 MHz, 1930 ~ 1990 MHz, 600MHz & 698 ~ 746 MHz and 1710 ~ 1755 MHz, the FCC limit is $43 + 10\log_{10}(P_{\text{Watts}})$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P_{\text{Watts}})$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} (P_{\text{Watts}})$, dB, for mobile and portable equipment.

5.6.2. Test Procedure

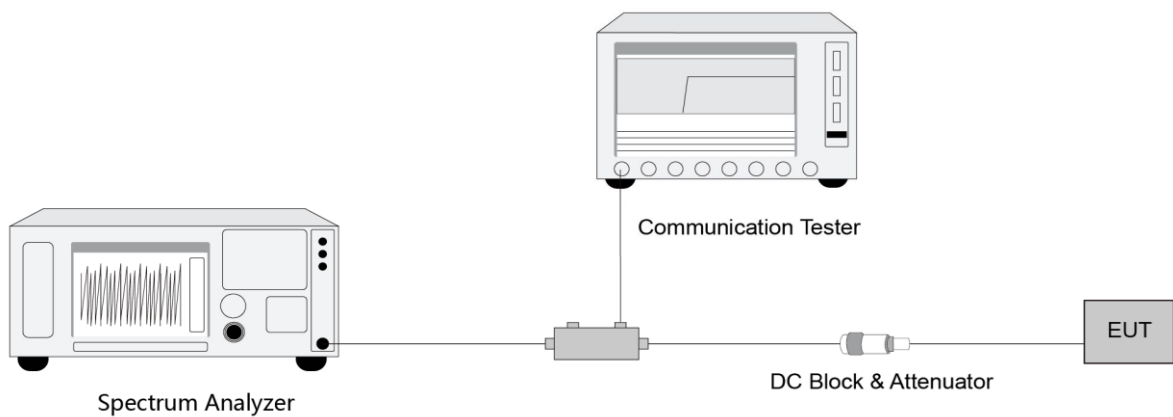
ANSI C63.26-2015 - Section 5.7

5.6.3. Test Setting

1. Set the analyzer frequency to low or high channel
2. $RBW \geq$ The nominal RBW shall be in the range of 1% of the anticipated OBW (in the 1MHz band immediately outside and adjacent to the band edge). For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. $VBW \geq 3*RBW$
4. Sweep time = auto
5. Detector = power averaging (rms)

6. Set sweep trigger to “free run.”
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.6.4. Test Setup



5.6.5. Test Result

Refer to Appendix A.5.

5.7. Conducted Spurious Emissions Measurement

5.7.1. Test Limit

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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.

For LTE Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

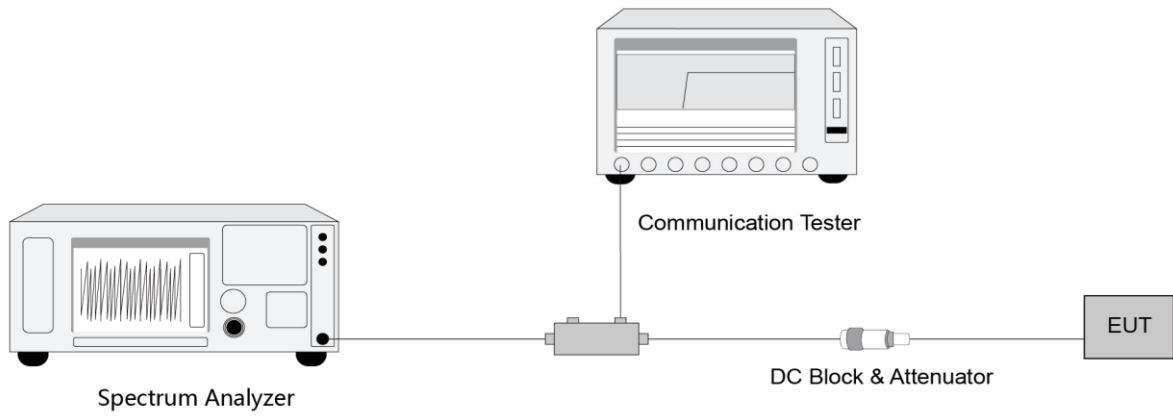
5.7.2. Test Procedure

ANSI C63.26-2015 - Section 5.7

5.7.3. Test Setting

1. Set the analyzer frequency to low, mid, high channel.
2. RBW = 1MHz
3. VBW $\geq 3 \cdot$ RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power.
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.7.4. Test Setup



5.7.5. Test Result

Refer to Appendix A.6

5.8. Radiated Spurious Emissions Measurement

5.8.1. Test Limit

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. The emission limit equal to -13dBm.

For LTE Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

E (dB μ V/m) = EIRP (dBm) - 20 log D + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dB μ V/m or 55.3dB μ V/m.

5.8.2. Test Procedure

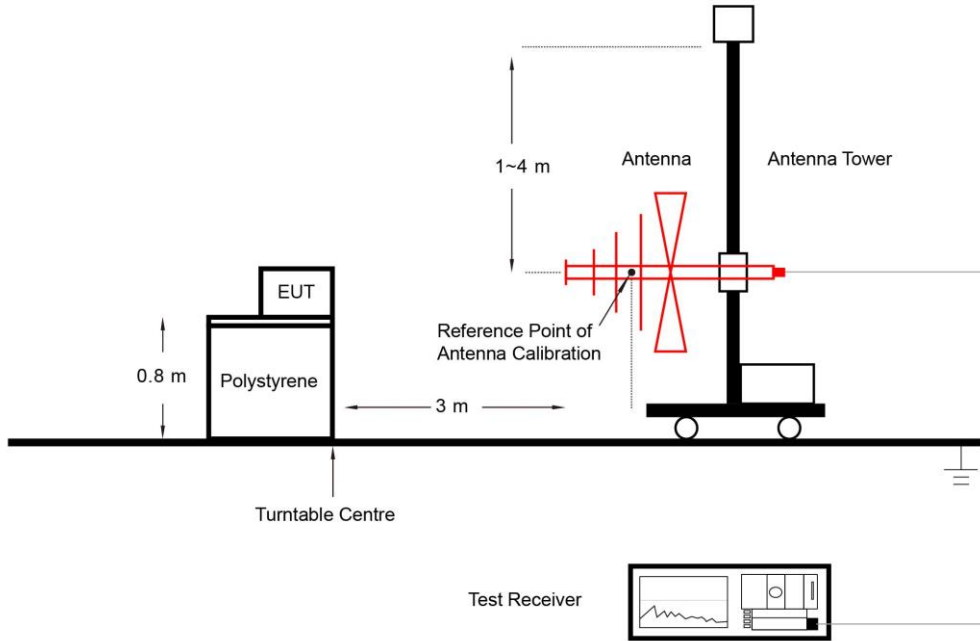
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

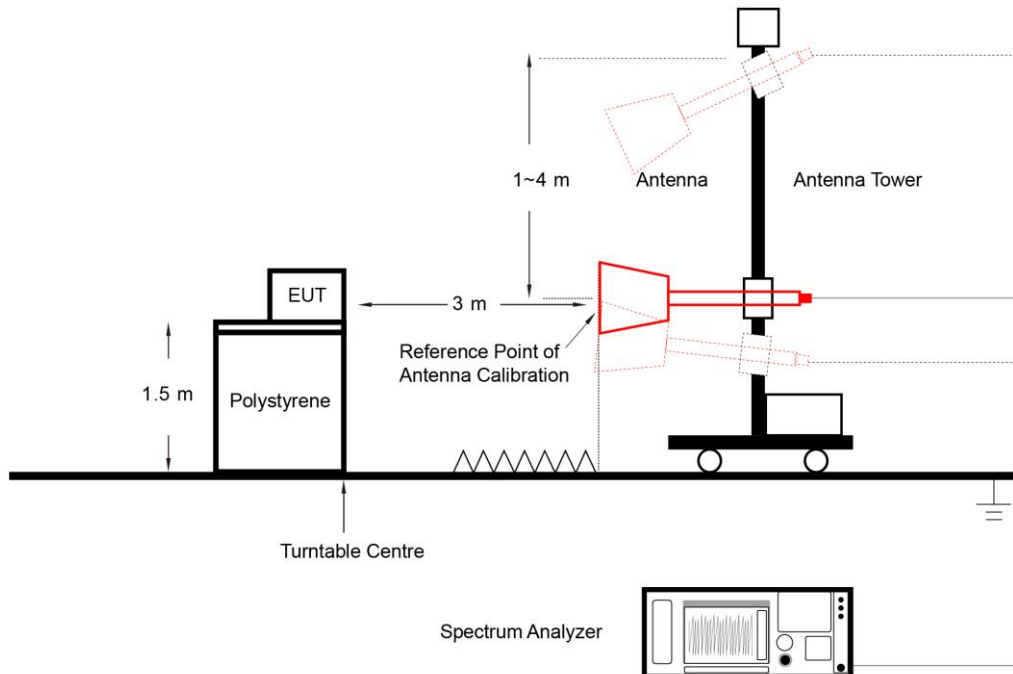
1. RBW = 1MHz
2. VBW \geq 3*RBW
3. Sweep time \geq 10 \times (number of points in sweep) \times (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.8.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.8.5. Test Result

Refer to Appendix A.7.

Appendix A - Test Result

A.1 Occupied Bandwidth Test Result

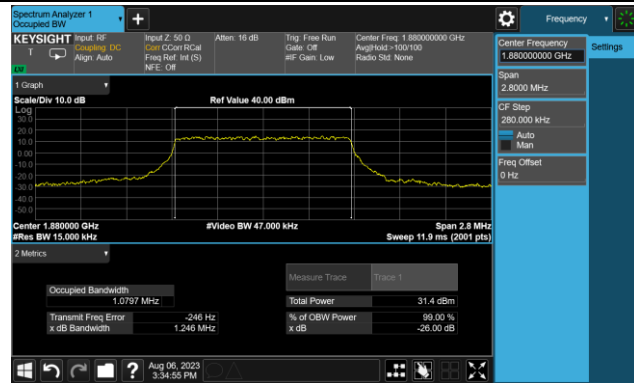
Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06	Test Band	Band 2

Modulation	Bandwidth (MHz)	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	1.4	1880.0	1.0797
	3		2.6853
	5		4.4868
	10		8.9354
	15		13.3820
	20		17.8360
16QAM	1.4	1880.0	1.0822
	3		2.6819
	5		4.4710
	10 (27RB)		4.8998
	15 (27RB)		4.8976
	20 (27RB)		4.9096

Note: UL Max. 5 Mbps for LTE Cat 1 Module, so the maximum number of RB supported by 16QAM is 27RB.

99% Bandwidth - QPSK

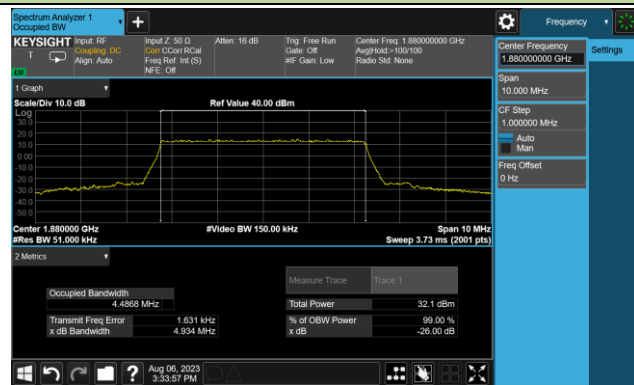
1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



5MHz Channel Bandwidth



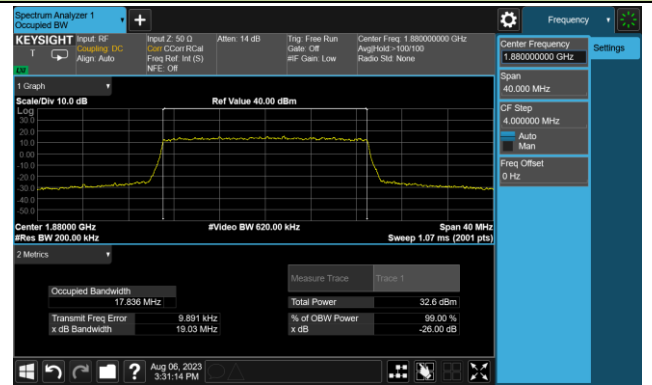
10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth

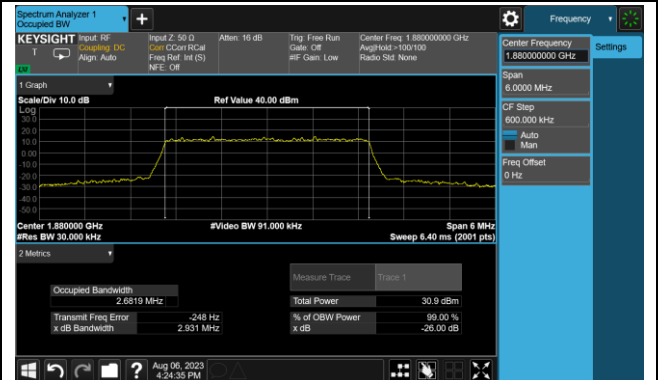


99% Bandwidth - 16QAM

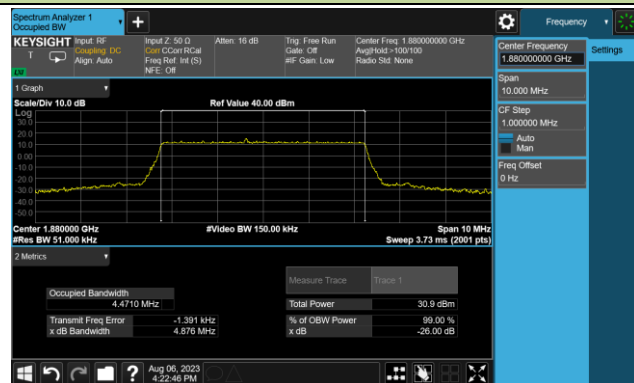
1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



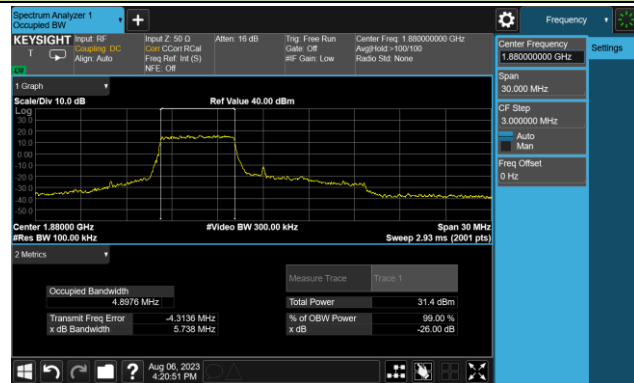
5MHz Channel Bandwidth



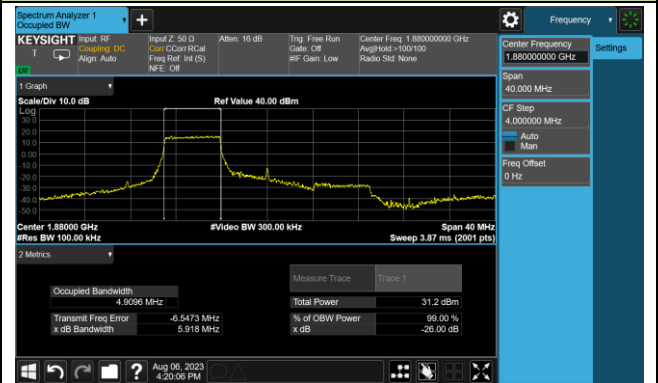
10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



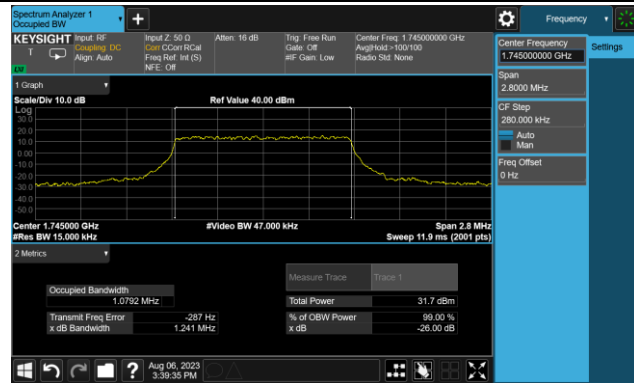
Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2022-08-06	Test Band	Band 4/66

Modulation	Bandwidth (MHz)	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	1.4	1745.0	1.0792
	3		2.6866
	5		4.4877
	10		8.9365
	15		13.4000
	20		17.8380
16QAM	1.4	1745.0	1.0813
	3		2.6836
	5		4.4770
	10 (27RB)		4.8920
	15 (27RB)		4.9014
	20 (27RB)		4.9006

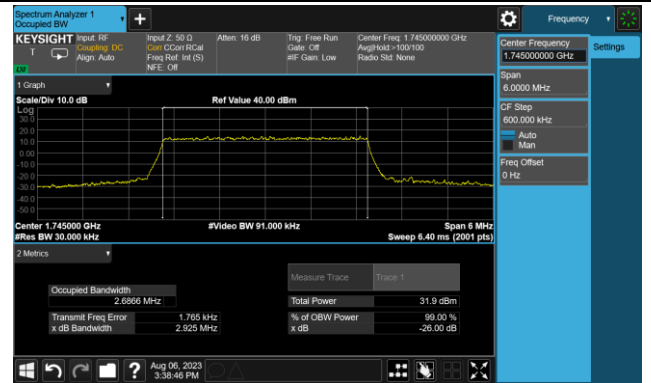
Note: UL Max. 5 Mbps for LTE Cat 1 Module, so the maximum number of RB supported by 16QAM is 27RB.

99% Bandwidth - QPSK

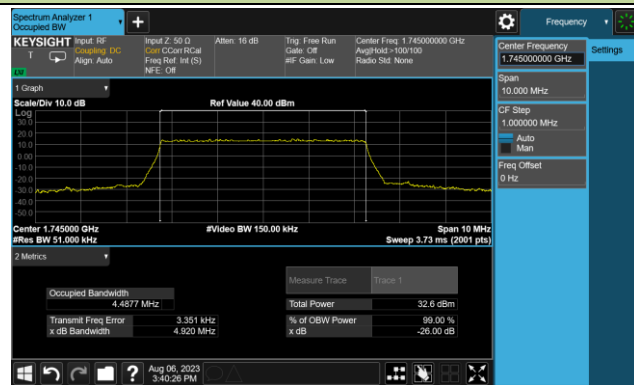
1.4MHz Channel Bandwidth



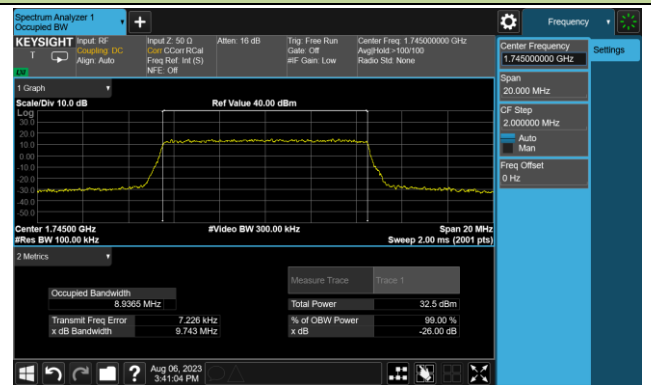
3MHz Channel Bandwidth



5MHz Channel Bandwidth



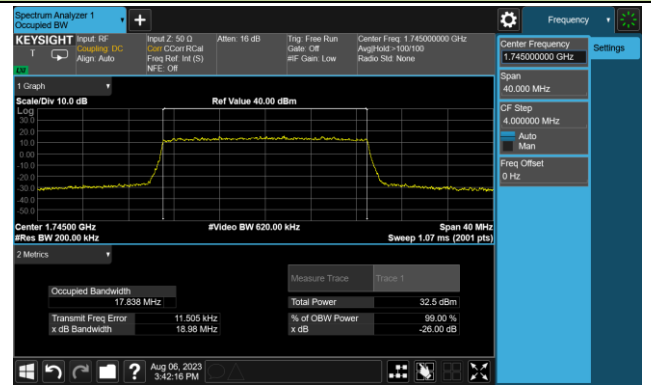
10MHz Channel Bandwidth



15MHz Channel Bandwidth

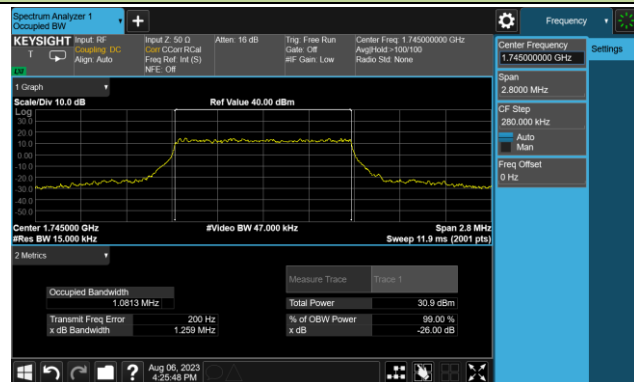


20MHz Channel Bandwidth



99% Bandwidth - 16QAM

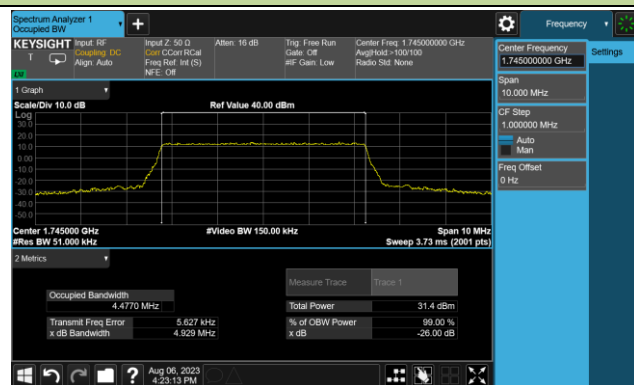
1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



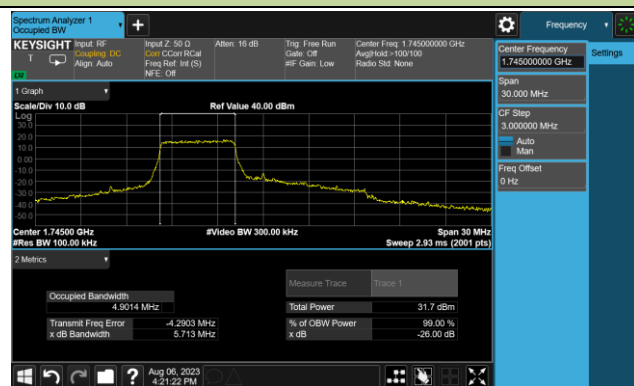
5MHz Channel Bandwidth



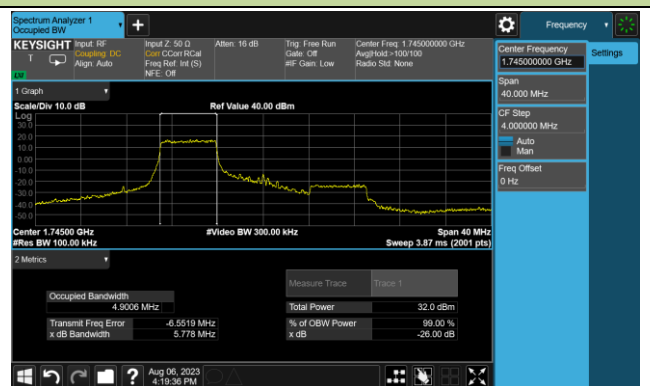
10MHz Channel Bandwidth



15MHz Channel Bandwidth



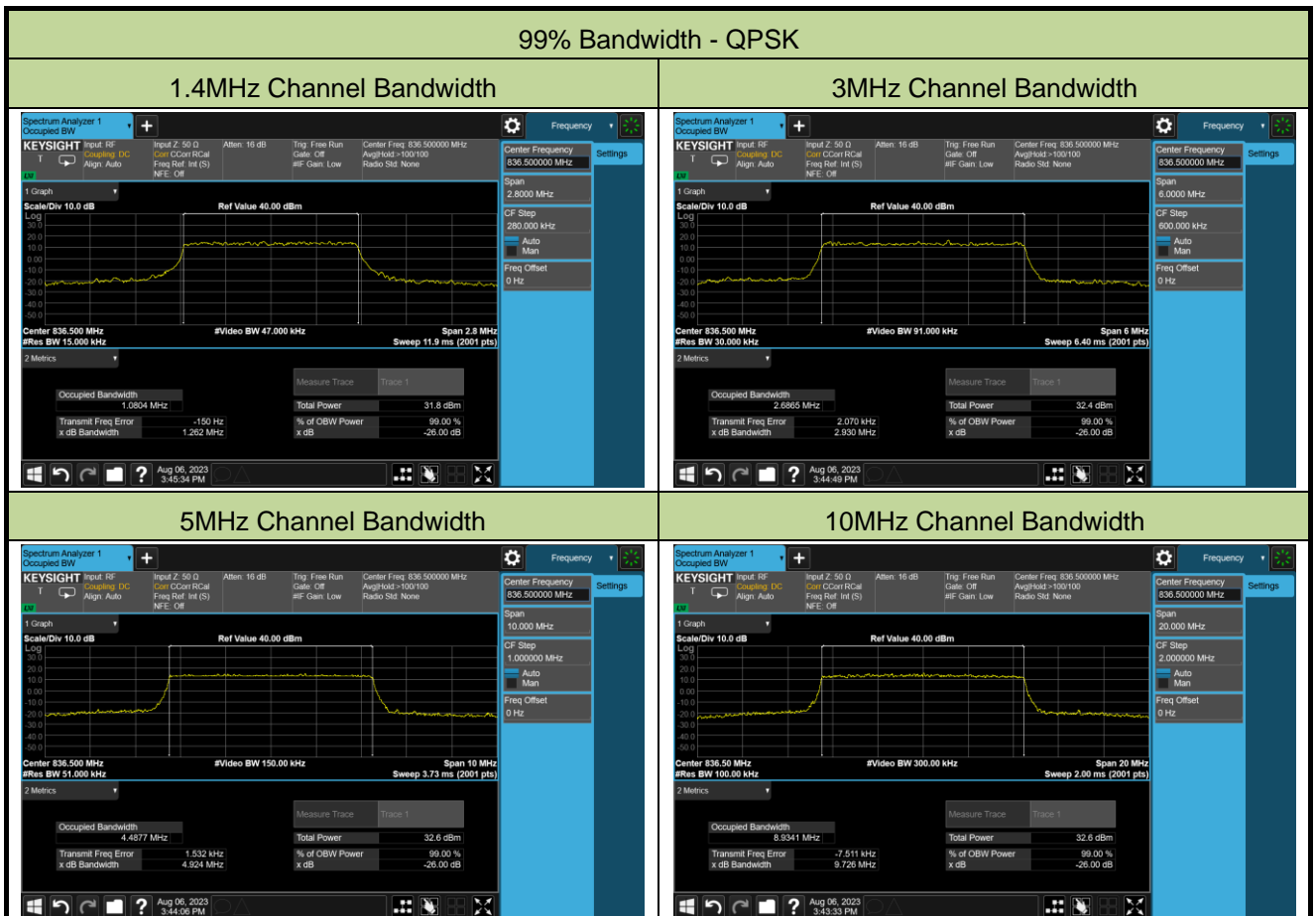
20MHz Channel Bandwidth



Test Site	WZ-SR1	Test Engineer	Larry Yan
Test Date	2023-08-06	Test Band	Band 5

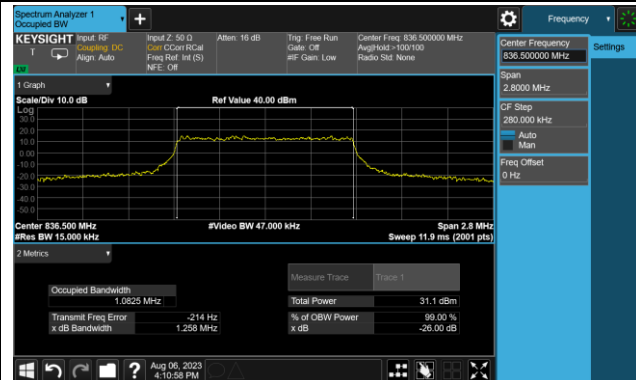
Modulation	Bandwidth (MHz)	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	1.4	836.5	1.0804
	3		2.6865
	5		4.4877
	10		8.9341
16QAM	1.4	836.5	1.0825
	3		2.6829
	5		4.4654
	10 (27RB)		4.9048

Note: UL Max. 5 Mbps for LTE Cat 1 Module, so the maximum number of RB supported by 16QAM is 27RB.

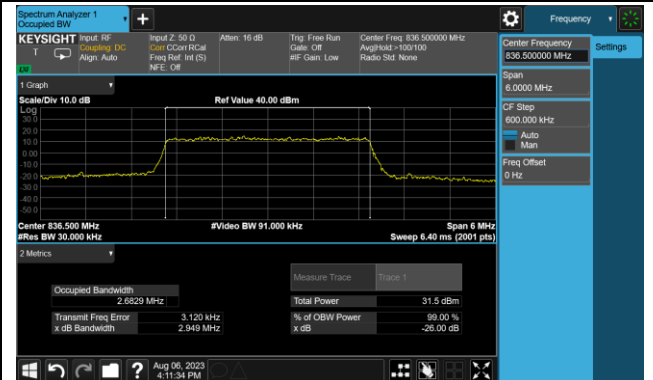


99% Bandwidth -16QAM

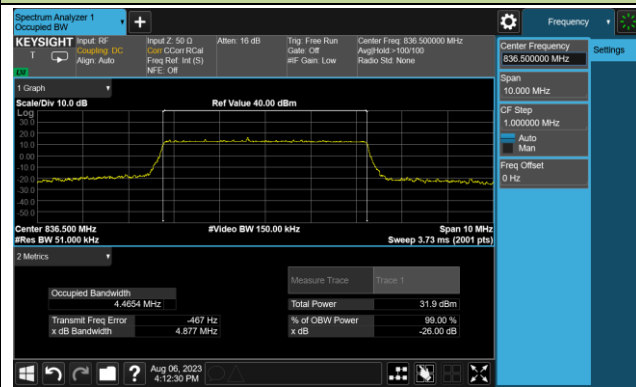
1.4MHz Channel Bandwidth



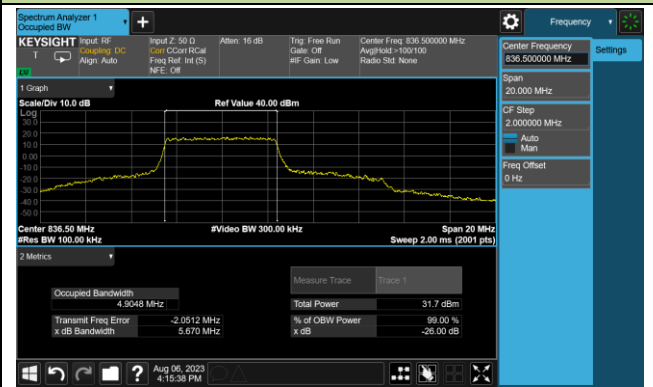
3MHz Channel Bandwidth



5MHz Channel Bandwidth



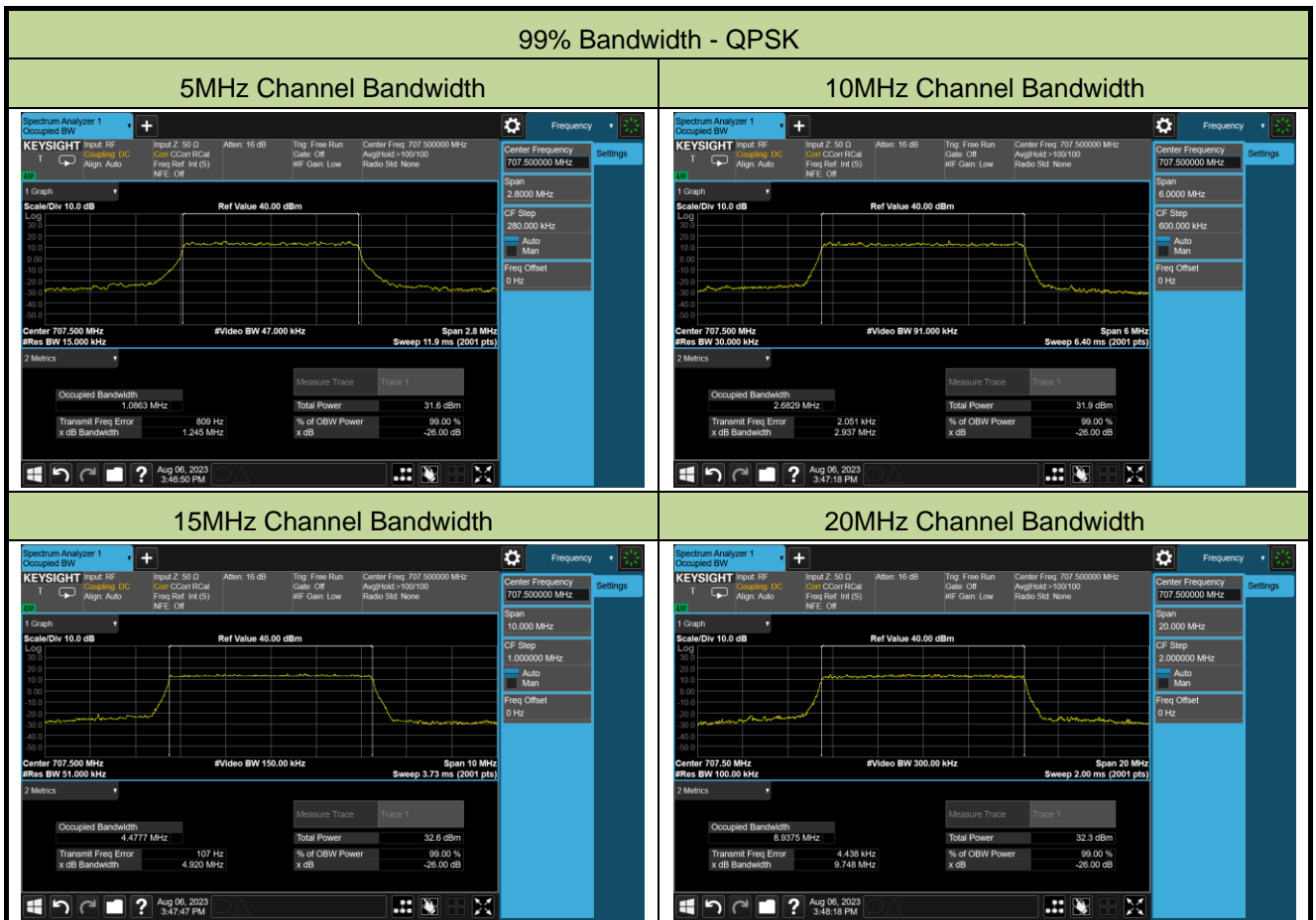
10MHz Channel Bandwidth



Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06	Test Band	LTE Band 12

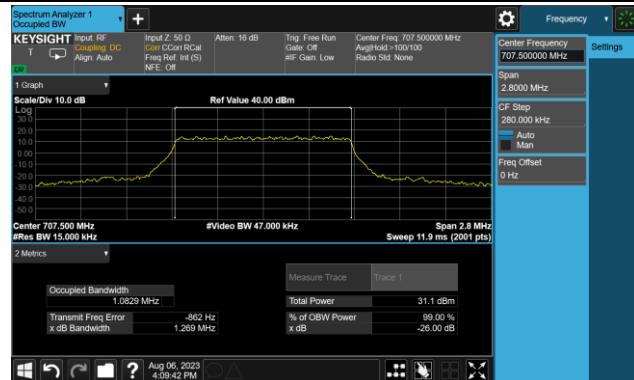
Modulation	Bandwidth (MHz)	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	1.4	707.5	1.0863
	3		2.6829
	5		4.4777
	10		8.9375
16QAM	1.4	707.5	1.0829
	3		2.6823
	5		4.4702
	10 (27RB)		4.9129

Note: UL Max. 5 Mbps for LTE Cat 1 Module, so the maximum number of RB supported by 16QAM is 27RB.

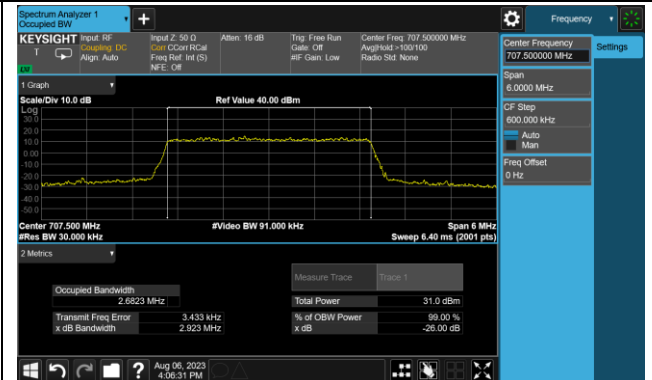


99% Bandwidth - 16QAM

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06	Test Band	LTE Band 13

Modulation	Bandwidth (MHz)	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	5	782.5	4.4878
	10		8.9241
16QAM	5	782.5	4.4775
	10 (27RB)		4.9016

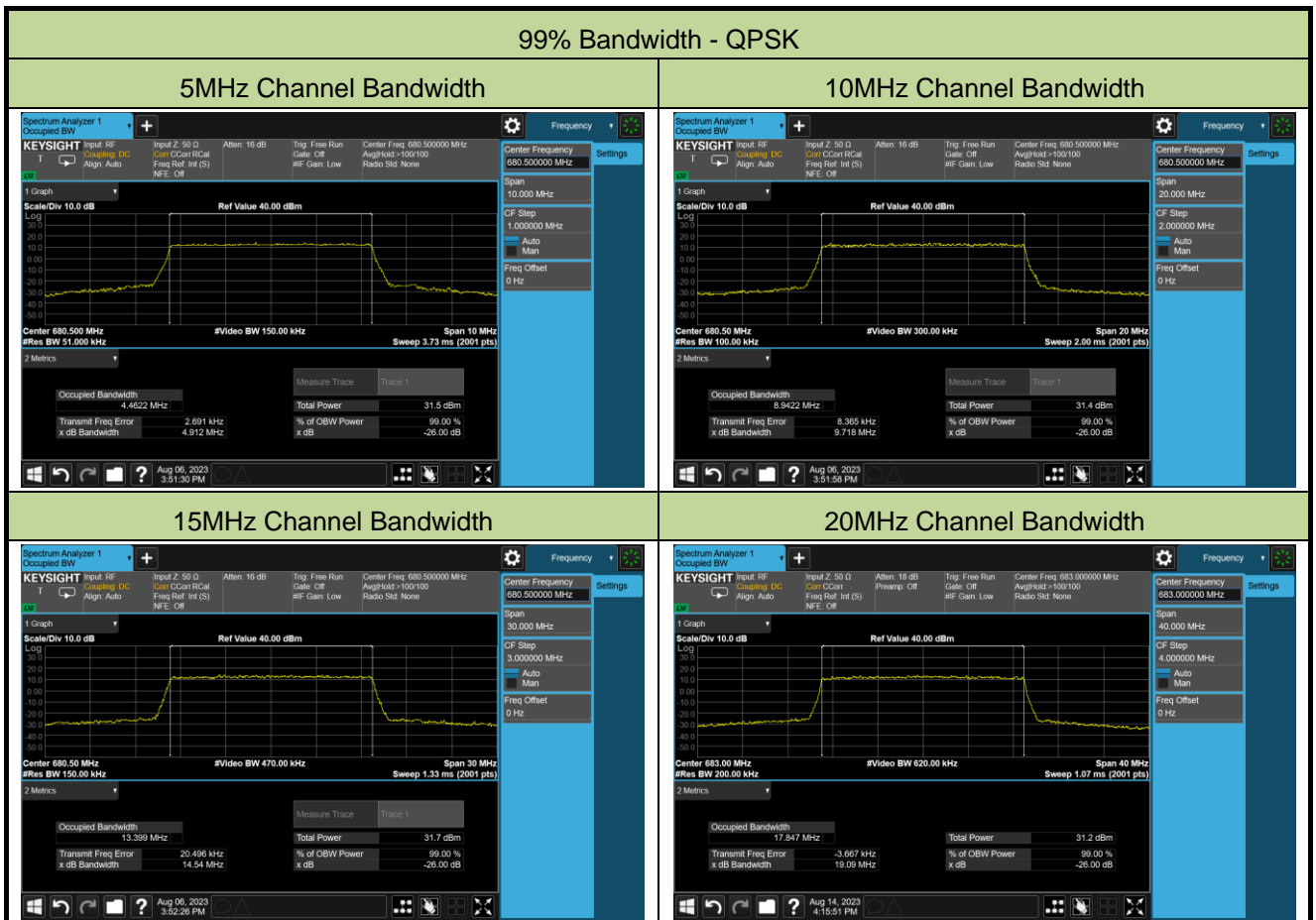
Note: UL Max. 5 Mbps for LTE Cat 1 Module, so the maximum number of RB supported by 16QAM is 27RB.



Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-14	Test Band	LTE Band 71

Modulation	Bandwidth (MHz)	Frequency (MHz)	99% Bandwidth (MHz)
QPSK	5	680.5	4.4622
	10		8.9422
	15		13.3990
	20	683.0	17.8470
16QAM	5	680.5	4.4694
	10 (27RB)		4.8870
	15 (27RB)		4.8983
	20 (27RB)	683.0	4.9028

Note: UL Max. 5 Mbps for LTE Cat 1 Module, so the maximum number of RB supported by 16QAM is 27RB.



99% Bandwidth - 16QAM

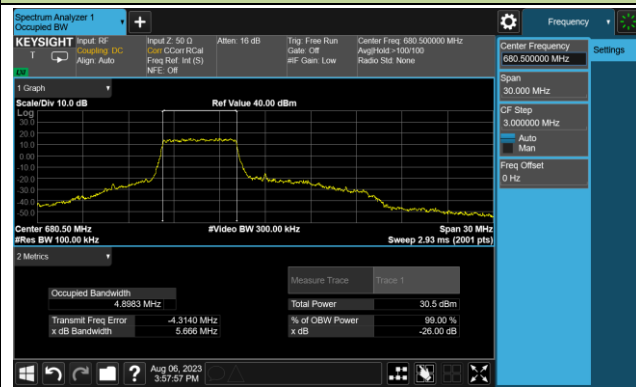
5MHz Channel Bandwidth



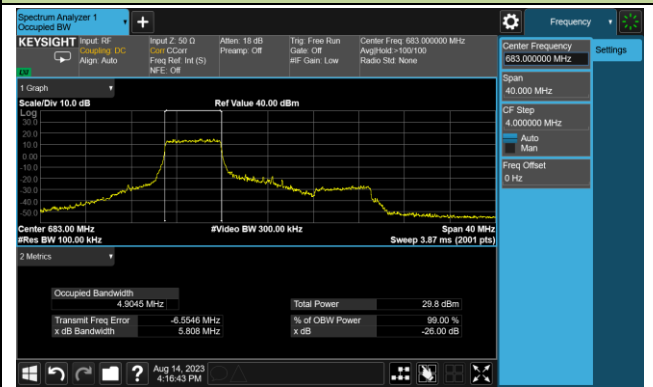
10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



A.2 Frequency Stability Test Result

Test Site	WZ-TR3	Test Engineer	Caitlin Chen
Test Date	2023-08-07	Test Band	LTE Band 2

Voltage	Temp (°C)	Frequency Range (MHz)		Frequency stability (ppm)	Within Authorized Frequency Block
		1850	1910		
		f _L	f _H		
Normal	+ 20 (Ref)	1850.1602	1909.8357	0	Pass
	+ 50	1850.1601	1909.8360	-0.0019	Pass
	+ 40	1850.1610	1909.8353	-0.0012	Pass
	+ 30	1850.1606	1909.8367	-0.0004	Pass
	+ 10	1850.1605	1909.8353	0.0000	Pass
	0	1850.1610	1909.8365	0.0001	Pass
	- 10	1850.1610	1909.8362	0.0003	Pass
	- 20	1850.1601	1909.8367	0.0003	Pass
	- 30	1850.1604	1909.8348	-0.0010	Pass
15%	+ 20	1850.1598	1909.8373	0.0003	Pass
-15%	+ 20	1850.1599	1909.8357	-0.0010	Pass

Test Site	WZ-TR3	Test Engineer	Caitlin Chen
Test Date	2023-08-07	Test Band	LTE Band 4/66

Voltage	Temp (°C)	Frequency Range (MHz)		Frequency stability (ppm)	Within Authorized Frequency Block
		1710	1780		
		f _L	f _H		
Normal	+ 20 (Ref)	1710.1606	1779.8375	0	Pass
	+ 50	1710.1604	1779.8377	-0.0023	Pass
	+ 40	1710.1596	1779.8362	-0.0015	Pass
	+ 30	1710.1602	1779.8355	-0.0006	Pass
	+ 10	1710.1596	1779.8375	-0.0011	Pass
	0	1710.1602	1779.8360	0.0001	Pass
	- 10	1710.1620	1779.8364	0.0000	Pass
	- 20	1710.1611	1779.8368	-0.0006	Pass
- 30	1710.1602	1779.8378	-0.0014	Pass	
15%	+ 20	1710.1602	1779.8363	-0.0015	Pass
-15%	+ 20	1710.1601	1779.8355	-0.0010	Pass

Test Site	WZ-TR3	Test Engineer	Caitlin Chen
Test Date	2023-08-07	Test Band	LTE Band 5

Voltage	Temp (°C)	Frequency Range (MHz)		Frequency stability (ppm)	Within Authorized Frequency Block
		824	849		
		f _L	f _H		
Normal	+ 20 (Ref)	824.1602	848.8356	0	Pass
	+ 50	824.1605	848.8385	0.0001	Pass
	+ 40	824.1597	848.8385	-0.0024	Pass
	+ 30	824.1602	848.8365	-0.0005	Pass
	+ 10	824.1597	848.8359	0.0036	Pass
	0	824.1607	848.8367	0.0041	Pass
	- 10	824.1601	848.8369	-0.0008	Pass
	- 20	824.1598	848.8358	-0.0012	Pass
	- 30	824.1598	848.8369	0.0045	Pass
15%	+ 20	824.1604	848.8363	0.0004	Pass
-15%	+ 20	824.1586	848.8386	0.0004	Pass

Test Site	WZ-TR3	Test Engineer	Caitlin Chen
Test Date	2023-08-07	Test Band	LTE Band 12

Voltage	Temp (°C)	Frequency Range (MHz)		Frequency stability (ppm)	Within Authorized Frequency Block
		699	716		
		f _L	f _H		
Normal	+ 20 (Ref)	699.1596	715.8350	0	Pass
	+ 50	699.1631	715.8362	-0.0001	Pass
	+ 40	699.1602	715.8362	-0.0014	Pass
	+ 30	699.1599	715.8353	0.0045	Pass
	+ 10	699.1611	715.8358	-0.0010	Pass
	0	699.1610	715.8360	0.0042	Pass
	- 10	699.1614	715.8392	0.0062	Pass
	- 20	699.1608	715.8378	0.0010	Pass
- 30	699.1606	715.8369	-0.0004	Pass	
15%	+ 20	699.1617	715.8351	-0.0018	Pass
-15%	+ 20	699.1591	715.8367	-0.0006	Pass

Test Site	WZ-TR3	Test Engineer	Caitlin Chen
Test Date	2023-08-07	Test Band	LTE Band 13

Voltage	Temp (°C)	Frequency Range (MHz)		Frequency stability (ppm)	Within Authorized Frequency Block
		777	787		
		f _L	f _H		
Normal	+ 20 (Ref)	777.2736	786.7439	0	Pass
	+ 50	777.2697	786.7437	0.0050	Pass
	+ 40	777.2688	786.7405	0.0015	Pass
	+ 30	777.2777	786.7463	0.0008	Pass
	+ 10	777.2769	786.7404	0.0019	Pass
	0	777.2716	786.7318	0.0050	Pass
	- 10	777.2830	786.7337	0.0061	Pass
	- 20	777.2756	786.7481	0.0068	Pass
	- 30	777.2740	786.7366	0.0026	Pass
15%	+ 20	777.2663	786.7448	0.0004	Pass
-15%	+ 20	777.2738	786.7448	0.0022	Pass

Test Site	WZ-TR3	Test Engineer	Caitlin Chen
Test Date	2023-08-07	Test Band	LTE Band 71

Voltage	Temp (°C)	Frequency Range (MHz)		Frequency stability (ppm)	Within Authorized Frequency Block
		663	698		
		f _L	f _H		
Normal	+ 20 (Ref)	663.2665	697.7419	0	Pass
	+ 50	663.2753	697.7345	0.0031	Pass
	+ 40	663.2693	697.7351	0.0040	Pass
	+ 30	663.2714	697.7441	0.0013	Pass
	+ 10	663.2725	697.7320	0.0051	Pass
	0	663.2766	697.7398	0.0038	Pass
	- 10	663.2747	697.7299	0.0051	Pass
	- 20	663.2727	697.7409	0.0101	Pass
	- 30	663.2707	697.7407	0.0035	Pass
15%	+ 20	663.2717	697.7363	0.0026	Pass
-15%	+ 20	663.2700	697.7347	0.0035	Pass

A.3 Equivalent Isotropically Radited Power Test Result

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-08	Test Band	LTE Band 2

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1.4	1850.70	1	0	23.09	24.68	< 33.01
	1880.00			22.97	24.56	< 33.01
	1909.30			23.12	24.71	< 33.01
1.4	1850.70	1	2	23.14	24.73	< 33.01
	1880.00			23.02	24.61	< 33.01
	1909.30			23.19	24.78	< 33.01
1.4	1850.70	1	6	23.32	24.91	< 33.01
	1880.00			23.17	24.76	< 33.01
	1909.30			23.11	24.70	< 33.01
1.4	1850.70	6	0	22.52	24.11	< 33.01
	1880.00			22.48	24.07	< 33.01
	1909.30			22.32	23.91	< 33.01
3	1851.50	1	0	22.84	24.43	< 33.01
	1880.00			22.71	24.30	< 33.01
	1908.50			23.12	24.71	< 33.01
3	1851.50	1	7	23.05	24.64	< 33.01
	1880.00			22.99	24.58	< 33.01
	1908.50			23.18	24.77	< 33.01
3	1851.50	1	14	23.01	24.60	< 33.01
	1880.00			22.81	24.40	< 33.01
	1908.50			23.21	24.80	< 33.01
3	1851.50	15	0	22.37	23.96	< 33.01
	1880.00			22.34	23.93	< 33.01
	1908.50			22.49	24.08	< 33.01

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
5	1852.50	1	0	22.92	24.51	< 33.01
	1880.00			22.89	24.48	< 33.01
	1907.50			23.09	24.68	< 33.01
5	1852.50	1	12	23.18	24.77	< 33.01
	1880.00			22.93	24.52	< 33.01
	1907.50			23.19	24.78	< 33.01
5	1852.50	1	24	22.92	24.51	< 33.01
	1880.00			22.92	24.51	< 33.01
	1907.50			23.27	24.86	< 33.01
5	1852.50	25	0	22.34	23.93	< 33.01
	1880.00			22.35	23.94	< 33.01
	1907.50			22.41	24.00	< 33.01
10	1855.00	1	0	23.23	24.82	< 33.01
	1880.00			23.00	24.59	< 33.01
	1905.00			23.06	24.65	< 33.01
10	1855.00	1	24	22.81	24.40	< 33.01
	1880.00			23.13	24.72	< 33.01
	1905.00			22.97	24.56	< 33.01
10	1855.00	1	49	22.80	24.39	< 33.01
	1880.00			23.27	24.86	< 33.01
	1905.00			23.05	24.64	< 33.01
10	1855.00	50	0	22.63	24.22	< 33.01
	1880.00			22.67	24.26	< 33.01
	1905.00			22.70	24.29	< 33.01

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
15	1857.50	1	0	23.23	24.82	< 33.01
	1880.00			23.18	24.77	< 33.01
	1902.50			23.12	24.71	< 33.01
15	1857.50	1	37	23.11	24.70	< 33.01
	1880.00			23.20	24.79	< 33.01
	1902.50			23.05	24.64	< 33.01
15	1857.50	1	74	23.09	24.68	< 33.01
	1880.00			23.19	24.78	< 33.01
	1902.50			23.26	24.85	< 33.01
15	1857.50	75	0	22.65	24.24	< 33.01
	1880.00			22.67	24.26	< 33.01
	1902.50			22.71	24.30	< 33.01
20	1860.00	1	0	23.13	24.72	< 33.01
	1880.00			23.30	24.89	< 33.01
	1900.00			22.88	24.47	< 33.01
20	1860.00	1	49	23.05	24.64	< 33.01
	1880.00			23.42	25.01	< 33.01
	1900.00			23.33	24.92	< 33.01
20	1860.00	1	99	22.89	24.48	< 33.01
	1880.00			23.46	25.05	< 33.01
	1900.00			23.53	25.12	< 33.01
20	1860.00	100	0	22.64	24.23	< 33.01
	1880.00			22.61	24.20	< 33.01
	1900.00			22.80	24.39	< 33.01

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1.4	1850.70	1	0	22.03	23.62	< 33.01
	1880.00			22.08	23.67	< 33.01
	1909.30			22.33	23.92	< 33.01
1.4	1850.70	1	2	22.14	23.73	< 33.01
	1880.00			21.80	23.39	< 33.01
	1909.30			22.11	23.70	< 33.01
1.4	1850.70	1	6	22.09	23.68	< 33.01
	1880.00			22.07	23.66	< 33.01
	1909.30			22.13	23.72	< 33.01
1.4	1850.70	6	0	21.42	23.01	< 33.01
	1880.00			21.35	22.94	< 33.01
	1909.30			21.51	23.10	< 33.01
3	1851.50	1	0	22.05	23.64	< 33.01
	1880.00			21.94	23.53	< 33.01
	1908.50			22.08	23.67	< 33.01
3	1851.50	1	7	22.27	23.86	< 33.01
	1880.00			22.34	23.93	< 33.01
	1908.50			22.50	24.09	< 33.01
3	1851.50	1	14	22.17	23.76	< 33.01
	1880.00			22.04	23.63	< 33.01
	1908.50			21.95	23.54	< 33.01
3	1851.50	15	0	21.20	22.79	< 33.01
	1880.00			21.43	23.02	< 33.01
	1908.50			21.43	23.02	< 33.01

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
5	1852.50	1	0	22.05	23.64	< 33.01
	1880.00			21.97	23.56	< 33.01
	1907.50			22.04	23.63	< 33.01
5	1852.50	1	12	21.79	23.38	< 33.01
	1880.00			21.84	23.43	< 33.01
	1907.50			21.83	23.42	< 33.01
5	1852.50	1	24	21.94	23.53	< 33.01
	1880.00			22.12	23.71	< 33.01
	1907.50			22.04	23.63	< 33.01
5	1852.50	25	0	21.11	22.70	< 33.01
	1880.00			21.24	22.83	< 33.01
	1907.50			21.51	23.10	< 33.01
10	1855.00	1	0	22.21	23.80	< 33.01
	1880.00			22.12	23.71	< 33.01
	1905.00			22.23	23.82	< 33.01
10	1855.00	1	24	21.77	23.36	< 33.01
	1880.00			21.99	23.58	< 33.01
	1905.00			22.02	23.61	< 33.01
10	1855.00	1	49	21.97	23.56	< 33.01
	1880.00			22.09	23.68	< 33.01
	1905.00			22.23	23.82	< 33.01
10	1855.00	27	0	21.92	23.51	< 33.01
	1880.00			21.72	23.31	< 33.01
	1905.00			21.64	23.23	< 33.01

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
15	1857.50	1	0	22.24	23.83	< 33.01
	1880.00			22.00	23.59	< 33.01
	1902.50			21.94	23.53	< 33.01
15	1857.50	1	37	21.86	23.45	< 33.01
	1880.00			22.34	23.93	< 33.01
	1902.50			22.00	23.59	< 33.01
15	1857.50	1	74	21.90	23.49	< 33.01
	1880.00			22.03	23.62	< 33.01
	1902.50			22.15	23.74	< 33.01
15	1857.50	27	0	21.75	23.34	< 33.01
	1880.00			21.66	23.25	< 33.01
	1902.50			21.65	23.24	< 33.01
20	1860.00	1	0	22.50	24.09	< 33.01
	1880.00			22.62	24.21	< 33.01
	1900.00			21.78	23.37	< 33.01
20	1860.00	1	49	21.83	23.42	< 33.01
	1880.00			22.23	23.82	< 33.01
	1900.00			22.29	23.88	< 33.01
20	1860.00	1	99	22.05	23.64	< 33.01
	1880.00			21.87	23.46	< 33.01
	1900.00			22.56	24.15	< 33.01
20	1860.00	27	0	21.60	23.19	< 33.01
	1880.00			21.73	23.32	< 33.01
	1900.00			21.63	23.22	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-08	Test Band	LTE Band 4/66

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1.4	1710.70	1	0	23.11	25.11	< 30.00
	1745.00			23.06	25.06	< 30.00
	1779.30			23.19	25.19	< 30.00
1.4	1710.70	1	2	23.16	25.16	< 30.00
	1745.00			23.36	25.36	< 30.00
	1779.30			23.23	25.23	< 30.00
1.4	1710.70	1	6	23.09	25.09	< 30.00
	1745.00			23.19	25.19	< 30.00
	1779.30			23.16	25.16	< 30.00
1.4	1710.70	6	0	22.58	24.58	< 30.00
	1745.00			22.66	24.66	< 30.00
	1779.30			22.67	24.67	< 30.00
3	1711.50	1	0	23.03	25.03	< 30.00
	1745.00			23.12	25.12	< 30.00
	1778.50			23.28	25.28	< 30.00
3	1711.50	1	7	23.19	25.19	< 30.00
	1745.00			23.45	25.45	< 30.00
	1778.50			23.45	25.45	< 30.00
3	1711.50	1	14	23.36	25.36	< 30.00
	1745.00			23.31	25.31	< 30.00
	1778.50			23.32	25.32	< 30.00
3	1711.50	15	0	22.51	24.51	< 30.00
	1745.00			22.65	24.65	< 30.00
	1778.50			22.65	24.65	< 30.00

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
5	1712.50	1	0	23.03	25.03	< 30.00
	1745.00			23.37	25.37	< 30.00
	1777.50			23.10	25.10	< 30.00
5	1712.50	1	12	23.06	25.06	< 30.00
	1745.00			23.16	25.16	< 30.00
	1777.50			23.28	25.28	< 30.00
5	1712.50	1	24	23.18	25.18	< 30.00
	1745.00			23.28	25.28	< 30.00
	1777.50			23.35	25.35	< 30.00
5	1712.50	25	0	22.50	24.50	< 30.00
	1745.00			22.46	24.46	< 30.00
	1777.50			22.66	24.66	< 30.00
10	1715.00	1	0	23.15	25.15	< 30.00
	1745.00			23.06	25.06	< 30.00
	1775.00			22.98	24.98	< 30.00
10	1715.00	1	24	23.13	25.13	< 30.00
	1745.00			23.28	25.28	< 30.00
	1775.00			23.34	25.34	< 30.00
10	1715.00	1	49	23.16	25.16	< 30.00
	1745.00			22.93	24.93	< 30.00
	1775.00			23.37	25.37	< 30.00
10	1715.00	50	0	22.64	24.64	< 30.00
	1745.00			22.68	24.68	< 30.00
	1775.00			22.61	24.61	< 30.00

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
15	1717.50	1	0	23.13	25.13	< 30.00
	1745.00			23.34	25.34	< 30.00
	1772.50			22.93	24.93	< 30.00
15	1717.50	1	37	23.31	25.31	< 30.00
	1745.00			23.33	25.33	< 30.00
	1772.50			23.35	25.35	< 30.00
15	1717.50	1	74	23.42	25.42	< 30.00
	1745.00			23.27	25.27	< 30.00
	1772.50			23.38	25.38	< 30.00
15	1717.50	75	0	22.62	24.62	< 30.00
	1745.00			22.71	24.71	< 30.00
	1772.50			22.59	24.59	< 30.00
20	1720.00	1	0	23.08	25.08	< 30.00
	1745.00			23.40	25.40	< 30.00
	1770.00			23.14	25.14	< 30.00
20	1720.00	1	49	23.62	25.62	< 30.00
	1745.00			23.50	25.50	< 30.00
	1770.00			23.47	25.47	< 30.00
20	1720.00	1	99	23.61	25.61	< 30.00
	1745.00			23.29	25.29	< 30.00
	1770.00			23.41	25.41	< 30.00
20	1720.00	100	0	22.78	24.78	< 30.00
	1745.00			22.64	24.64	< 30.00
	1770.00			22.73	24.73	< 30.00

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
1.4	1710.70	1	0	22.01	24.01	< 30.00
	1745.00			21.89	23.89	< 30.00
	1779.30			22.31	24.31	< 30.00
1.4	1710.70	1	2	21.80	23.80	< 30.00
	1745.00			21.89	23.89	< 30.00
	1779.30			21.81	23.81	< 30.00
1.4	1710.70	1	6	21.76	23.76	< 30.00
	1745.00			21.88	23.88	< 30.00
	1779.30			22.02	24.02	< 30.00
1.4	1710.70	6	0	21.67	23.67	< 30.00
	1745.00			21.52	23.52	< 30.00
	1779.30			21.60	23.60	< 30.00
3	1711.50	1	0	21.81	23.81	< 30.00
	1745.00			22.38	24.38	< 30.00
	1778.50			22.05	24.05	< 30.00
3	1711.50	1	7	22.25	24.25	< 30.00
	1745.00			22.69	24.69	< 30.00
	1778.50			22.59	24.59	< 30.00
3	1711.50	1	14	21.97	23.97	< 30.00
	1745.00			22.26	24.26	< 30.00
	1778.50			22.26	24.26	< 30.00
3	1711.50	15	0	21.45	23.45	< 30.00
	1745.00			21.63	23.63	< 30.00
	1778.50			21.64	23.64	< 30.00

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
5	1712.50	1	0	21.81	23.81	< 30.00
	1745.00			22.38	24.38	< 30.00
	1777.50			22.05	24.05	< 30.00
5	1712.50	1	12	22.25	24.25	< 30.00
	1745.00			22.69	24.69	< 30.00
	1777.50			22.59	24.59	< 30.00
5	1712.50	1	24	21.97	23.97	< 30.00
	1745.00			22.26	24.26	< 30.00
	1777.50			22.26	24.26	< 30.00
5	1712.50	25	0	21.45	23.45	< 30.00
	1745.00			21.63	23.63	< 30.00
	1777.50			21.64	23.64	< 30.00
10	1715.00	1	0	21.99	23.99	< 30.00
	1745.00			21.80	23.80	< 30.00
	1775.00			22.30	24.30	< 30.00
10	1715.00	1	24	21.92	23.92	< 30.00
	1745.00			22.08	24.08	< 30.00
	1775.00			22.09	24.09	< 30.00
10	1715.00	1	49	22.31	24.31	< 30.00
	1745.00			21.86	23.86	< 30.00
	1775.00			22.31	24.31	< 30.00
10	1715.00	27	0	21.47	23.47	< 30.00
	1745.00			21.45	23.45	< 30.00
	1775.00			21.56	23.56	< 30.00

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM						
15	1717.50	1	0	22.09	24.09	< 30.00
	1745.00			22.34	24.34	< 30.00
	1772.50			21.97	23.97	< 30.00
15	1717.50	1	37	22.65	24.65	< 30.00
	1745.00			22.52	24.52	< 30.00
	1772.50			22.69	24.69	< 30.00
15	1717.50	1	74	22.48	24.48	< 30.00
	1745.00			22.36	24.36	< 30.00
	1772.50			22.48	24.48	< 30.00
15	1717.50	27	0	21.61	23.61	< 30.00
	1745.00			21.70	23.70	< 30.00
	1772.50			21.60	23.60	< 30.00
20	1720.00	1	0	21.90	23.90	< 30.00
	1745.00			22.40	24.40	< 30.00
	1770.00			21.71	23.71	< 30.00
20	1720.00	1	49	22.19	24.19	< 30.00
	1745.00			22.26	24.26	< 30.00
	1770.00			22.37	24.37	< 30.00
20	1720.00	1	99	22.15	24.15	< 30.00
	1745.00			22.42	24.42	< 30.00
	1770.00			22.19	24.19	< 30.00
20	1720.00	27	0	21.65	23.65	< 30.00
	1745.00			21.73	23.73	< 30.00
	1770.00			21.60	23.60	< 30.00

Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-08	Test Band	LTE Band 5

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
1.4	824.70	1	0	23.34	23.72	< 38.45
	836.50			22.93	23.31	< 38.45
	848.30			23.05	23.43	< 38.45
1.4	824.70	1	2	23.49	23.87	< 38.45
	836.50			23.27	23.65	< 38.45
	848.30			23.17	23.55	< 38.45
1.4	824.70	1	6	23.34	23.72	< 38.45
	836.50			23.10	23.48	< 38.45
	848.30			22.95	23.33	< 38.45
1.4	824.70	6	0	22.88	23.26	< 38.45
	836.50			22.82	23.20	< 38.45
	848.30			22.66	23.04	< 38.45
3	825.50	1	0	23.38	23.76	< 38.45
	836.50			23.51	23.89	< 38.45
	847.50			23.15	23.53	< 38.45
3	825.50	1	7	23.16	23.54	< 38.45
	836.50			23.46	23.84	< 38.45
	847.50			23.26	23.64	< 38.45
3	825.50	1	14	23.23	23.61	< 38.45
	836.50			23.22	23.60	< 38.45
	847.50			22.97	23.35	< 38.45
3	825.50	15	0	22.87	23.25	< 38.45
	836.50			22.83	23.21	< 38.45
	847.50			22.69	23.07	< 38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
5	826.50	1	0	23.22	23.60	< 38.45
	836.50			23.22	23.60	< 38.45
	846.50			23.31	23.69	< 38.45
5	826.50	1	12	23.53	23.91	< 38.45
	836.50			23.30	23.68	< 38.45
	846.50			23.08	23.46	< 38.45
5	826.50	1	24	23.10	23.48	< 38.45
	836.50			23.10	23.48	< 38.45
	846.50			23.07	23.45	< 38.45
5	826.50	25	0	22.72	23.10	< 38.45
	836.50			22.58	22.96	< 38.45
	846.50			22.98	23.36	< 38.45
10	829.00	1	0	23.27	23.65	< 38.45
	836.50			23.42	23.80	< 38.45
	844.00			23.13	23.51	< 38.45
10	829.00	1	24	22.98	23.36	< 38.45
	836.50			23.10	23.48	< 38.45
	844.00			23.30	23.68	< 38.45
10	829.00	1	49	22.95	23.33	< 38.45
	836.50			23.28	23.66	< 38.45
	844.00			22.98	23.36	< 38.45
10	829.00	50	0	23.07	23.45	< 38.45
	836.50			22.99	23.37	< 38.45
	844.00			22.97	23.35	< 38.45

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
1.4	824.70	1	0	22.47	22.85	< 38.45
	836.50			22.44	22.82	< 38.45
	848.30			22.16	22.54	< 38.45
1.4	824.70	1	2	22.75	23.13	< 38.45
	836.50			22.51	22.89	< 38.45
	848.30			22.06	22.44	< 38.45
1.4	824.70	1	6	22.54	22.92	< 38.45
	836.50			22.42	22.80	< 38.45
	848.30			22.47	22.85	< 38.45
1.4	824.70	6	0	21.82	22.20	< 38.45
	836.50			21.95	22.33	< 38.45
	848.30			21.75	22.13	< 38.45
3	825.50	1	0	22.50	22.88	< 38.45
	836.50			22.47	22.85	< 38.45
	847.50			21.99	22.37	< 38.45
3	825.50	1	7	22.93	23.31	< 38.45
	836.50			22.74	23.12	< 38.45
	847.50			22.91	23.29	< 38.45
3	825.50	1	14	22.41	22.79	< 38.45
	836.50			21.99	22.37	< 38.45
	847.50			22.39	22.77	< 38.45
3	825.50	15	0	21.81	22.19	< 38.45
	836.50			21.89	22.27	< 38.45
	847.50			21.60	21.98	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
5	826.50	1	0	22.63	23.01	< 38.45
	836.50			22.35	22.73	< 38.45
	846.50			22.56	22.94	< 38.45
5	826.50	1	12	22.16	22.54	< 38.45
	836.50			22.13	22.51	< 38.45
	846.50			22.16	22.54	< 38.45
5	826.50	1	24	21.76	22.14	< 38.45
	836.50			22.00	22.38	< 38.45
	846.50			22.10	22.48	< 38.45
5	826.50	25	0	21.81	22.19	< 38.45
	836.50			21.86	22.24	< 38.45
	846.50			21.56	21.94	< 38.45
10	829.00	1	0	22.25	22.63	< 38.45
	836.50			22.34	22.72	< 38.45
	844.00			22.44	22.82	< 38.45
10	829.00	1	24	21.94	22.32	< 38.45
	836.50			22.36	22.74	< 38.45
	844.00			22.19	22.57	< 38.45
10	829.00	1	49	22.15	22.53	< 38.45
	836.50			22.40	22.78	< 38.45
	844.00			22.20	22.58	< 38.45
10	829.00	27	0	21.80	22.18	< 38.45
	836.50			22.03	22.41	< 38.45
	844.00			21.92	22.30	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-08	Test Band	LTE Band 12

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
1.4	699.70	1	0	22.94	24.74	< 34.77
	707.50			23.04	24.84	< 34.77
	715.30			23.17	24.97	< 34.77
1.4	699.70	1	2	23.17	24.97	< 34.77
	707.50			23.25	25.05	< 34.77
	715.30			23.20	25.00	< 34.77
1.4	699.70	1	6	23.13	24.93	< 34.77
	707.50			22.97	24.77	< 34.77
	715.30			22.93	24.73	< 34.77
1.4	699.70	6	0	22.69	24.49	< 34.77
	707.50			22.84	24.64	< 34.77
	715.30			22.73	24.53	< 34.77
3	700.50	1	0	23.26	25.06	< 34.77
	707.50			23.46	25.26	< 34.77
	714.50			23.32	25.12	< 34.77
3	700.50	1	7	23.38	25.18	< 34.77
	707.50			23.22	25.02	< 34.77
	714.50			23.28	25.08	< 34.77
3	700.50	1	14	23.04	24.84	< 34.77
	707.50			23.17	24.97	< 34.77
	714.50			23.18	24.98	< 34.77
3	700.50	15	0	22.86	24.66	< 34.77
	707.50			22.82	24.62	< 34.77
	714.50			22.75	24.55	< 34.77

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
5	701.50	1	0	23.25	25.05	< 34.77
	707.50			23.23	25.03	< 34.77
	713.50			23.11	24.91	< 34.77
5	701.50	1	12	23.31	25.11	< 34.77
	707.50			23.27	25.07	< 34.77
	713.50			23.25	25.05	< 34.77
5	701.50	1	24	23.15	24.95	< 34.77
	707.50			23.01	24.81	< 34.77
	713.50			23.11	24.91	< 34.77
5	701.50	25	0	22.84	24.64	< 34.77
	707.50			22.76	24.56	< 34.77
	713.50			22.73	24.53	< 34.77
10	704.00	1	0	23.10	24.90	< 34.77
	707.50			23.14	24.94	< 34.77
	711.00			23.09	24.89	< 34.77
10	704.00	1	24	23.21	25.01	< 34.77
	707.50			23.20	25.00	< 34.77
	711.00			23.10	24.90	< 34.77
10	704.00	1	49	22.96	24.76	< 34.77
	707.50			22.93	24.73	< 34.77
	711.00			23.14	24.94	< 34.77
10	704.00	50	0	22.92	24.72	< 34.77
	707.50			22.84	24.64	< 34.77
	711.00			22.75	24.55	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
1.4	699.70	1	0	22.36	24.16	< 34.77
	707.50			22.30	24.10	< 34.77
	715.30			22.38	24.18	< 34.77
1.4	699.70	1	2	22.50	24.30	< 34.77
	707.50			22.37	24.17	< 34.77
	715.30			22.40	24.20	< 34.77
1.4	699.70	1	6	22.62	24.42	< 34.77
	707.50			22.40	24.20	< 34.77
	715.30			22.46	24.26	< 34.77
1.4	699.70	6	0	21.68	23.48	< 34.77
	707.50			21.65	23.45	< 34.77
	715.30			21.67	23.47	< 34.77
3	700.50	1	0	22.61	24.41	< 34.77
	707.50			22.58	24.38	< 34.77
	714.50			22.53	24.33	< 34.77
3	700.50	1	7	23.01	24.81	< 34.77
	707.50			22.78	24.58	< 34.77
	714.50			22.84	24.64	< 34.77
3	700.50	1	14	22.45	24.25	< 34.77
	707.50			22.46	24.26	< 34.77
	714.50			22.53	24.33	< 34.77
3	700.50	15	0	21.82	23.62	< 34.77
	707.50			21.78	23.58	< 34.77
	714.50			21.74	23.54	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
5	701.50	1	0	22.73	24.53	< 34.77
	707.50			22.31	24.11	< 34.77
	713.50			22.71	24.51	< 34.77
5	701.50	1	12	22.80	24.60	< 34.77
	707.50			22.83	24.63	< 34.77
	713.50			22.65	24.45	< 34.77
5	701.50	1	24	22.73	24.53	< 34.77
	707.50			22.58	24.38	< 34.77
	713.50			22.00	23.80	< 34.77
5	701.50	25	0	21.79	23.59	< 34.77
	707.50			21.73	23.53	< 34.77
	713.50			21.73	23.53	< 34.77
10	704.00	1	0	22.79	24.59	< 34.77
	707.50			22.61	24.41	< 34.77
	711.00			22.68	24.48	< 34.77
10	704.00	1	24	22.37	24.17	< 34.77
	707.50			22.40	24.20	< 34.77
	711.00			22.35	24.15	< 34.77
10	704.00	1	49	22.56	24.36	< 34.77
	707.50			22.56	24.36	< 34.77
	711.00			22.57	24.37	< 34.77
10	704.00	27	0	21.95	23.75	< 34.77
	707.50			21.93	23.73	< 34.77
	711.00			21.96	23.76	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-08	Test Band	LTE Band 13

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
5	779.5	1	0	23.22	25.52	< 34.77
	782.0			23.10	25.40	< 34.77
	784.5			23.16	25.46	< 34.77
5	779.5	1	12	23.14	25.44	< 34.77
	782.0			23.03	25.33	< 34.77
	784.5			23.17	25.47	< 34.77
5	779.5	1	24	23.05	25.35	< 34.77
	782.0			23.26	25.56	< 34.77
	784.5			23.11	25.41	< 34.77
5	779.5	25	0	22.62	24.92	< 34.77
	782.0			22.75	25.05	< 34.77
	784.5			22.81	25.11	< 34.77
10	782.0	1	0	23.26	25.56	< 34.77
	782.0	1	24	23.06	25.36	< 34.77
	782.0	1	49	23.03	25.33	< 34.77
	782.0	50	0	22.77	25.07	< 34.77

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
5	779.5	1	0	22.49	24.79	< 34.77
	782.0			22.56	24.86	< 34.77
	784.5			22.14	24.44	< 34.77
5	779.5	1	12	22.18	24.48	< 34.77
	782.0			22.13	24.43	< 34.77
	784.5			22.51	24.81	< 34.77
5	779.5	1	24	22.11	24.41	< 34.77
	782.0			22.18	24.48	< 34.77
	784.5			22.10	24.40	< 34.77
5	779.5	25	0	21.61	23.91	< 34.77
	782.0			21.72	24.02	< 34.77
	784.5			21.79	24.09	< 34.77
10	782.0	1	0	22.67	24.97	< 34.77
	782.0	1	24	22.29	24.59	< 34.77
	782.0	1	49	22.07	24.37	< 34.77
	782.0	27	0	21.75	24.05	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2023-08-06 ~ 2023-08-08	Test Band	LTE Band 71

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
5	665.50	1	0	22.72	22.23	< 30.00
	680.50			22.72	22.23	< 30.00
	695.50			22.85	22.36	< 30.00
5	665.50	1	12	22.69	22.20	< 30.00
	680.50			22.85	22.36	< 30.00
	695.50			22.78	22.29	< 30.00
5	665.50	1	24	22.48	21.99	< 30.00
	680.50			22.75	22.26	< 30.00
	695.50			22.82	22.33	< 30.00
5	665.50	25	0	21.58	21.09	< 30.00
	680.50			21.92	21.43	< 30.00
	695.50			21.93	21.44	< 30.00
10	668.00	1	0	22.73	22.24	< 30.00
	680.50			22.80	22.31	< 30.00
	693.00			22.93	22.44	< 30.00
10	668.00	1	24	22.56	22.07	< 30.00
	680.50			23.10	22.61	< 30.00
	693.00			22.80	22.31	< 30.00
10	668.00	1	49	22.43	21.94	< 30.00
	680.50			22.95	22.46	< 30.00
	693.00			23.02	22.53	< 30.00
10	668.00	50	0	21.94	21.45	< 30.00
	680.50			22.13	21.64	< 30.00
	693.00			22.07	21.58	< 30.00

Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
15	670.50	1	0	22.87	22.38	< 30.00
	680.50			22.93	22.44	< 30.00
	690.50			23.16	22.67	< 30.00
15	670.50	1	37	22.85	22.36	< 30.00
	680.50			23.15	22.66	< 30.00
	690.50			22.96	22.47	< 30.00
15	670.50	1	74	22.78	22.29	< 30.00
	680.50			22.68	22.19	< 30.00
	690.50			22.95	22.46	< 30.00
15	670.50	75	0	21.94	21.45	< 30.00
	680.50			22.04	21.55	< 30.00
	690.50			22.02	21.53	< 30.00
20	673.00	1	0	22.73	22.24	< 30.00
	683.00			22.77	22.28	< 30.00
	688.00			23.10	22.61	< 30.00
20	673.00	1	49	22.79	22.30	< 30.00
	683.00			22.75	22.26	< 30.00
	688.00			23.12	22.63	< 30.00
20	673.00	1	99	22.55	22.06	< 30.00
	683.00			22.83	22.34	< 30.00
	688.00			22.64	22.15	< 30.00
20	673.00	100	0	21.91	21.42	< 30.00
	683.00			22.06	21.57	< 30.00
	688.00			22.18	21.69	< 30.00
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
5	665.50	1	0	21.32	20.83	< 30.00
	680.50			21.48	20.99	< 30.00
	695.50			21.40	20.91	< 30.00
5	665.50	1	12	21.24	20.75	< 30.00
	680.50			21.51	21.02	< 30.00
	695.50			21.35	20.86	< 30.00
5	665.50	1	24	21.54	21.05	< 30.00
	680.50			21.47	20.98	< 30.00
	695.50			21.71	21.22	< 30.00
5	665.50	25	0	20.62	20.13	< 30.00
	680.50			20.91	20.42	< 30.00
	695.50			20.91	20.42	< 30.00
10	668.00	1	0	21.12	20.63	< 30.00
	680.50			21.36	20.87	< 30.00
	693.00			20.97	20.48	< 30.00
10	668.00	1	24	21.11	20.62	< 30.00
	680.50			21.53	21.04	< 30.00
	693.00			21.10	20.61	< 30.00
10	668.00	1	49	21.14	20.65	< 30.00
	680.50			21.23	20.74	< 30.00
	693.00			21.32	20.83	< 30.00
10	668.00	27	0	21.03	20.54	< 30.00
	680.50			21.30	20.81	< 30.00
	693.00			21.29	20.80	< 30.00
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM						
15	670.50	1	0	21.37	20.88	< 30.00
	680.50			21.54	21.05	< 30.00
	690.50			21.47	20.98	< 30.00
15	670.50	1	37	21.24	20.75	< 30.00
	680.50			21.72	21.23	< 30.00
	690.50			21.29	20.80	< 30.00
15	670.50	1	74	21.24	20.75	< 30.00
	680.50			21.21	20.72	< 30.00
	690.50			21.53	21.04	< 30.00
15	670.50	27	0	20.94	20.45	< 30.00
	680.50			21.12	20.63	< 30.00
	690.50			20.98	20.49	< 30.00
20	673.00	1	0	20.78	20.29	< 30.00
	683.00			21.48	20.99	< 30.00
	688.00			21.32	20.83	< 30.00
20	673.00	1	49	21.19	20.70	< 30.00
	683.00			21.80	21.31	< 30.00
	688.00			21.64	21.15	< 30.00
20	673.00	1	99	20.98	20.49	< 30.00
	683.00			21.07	20.58	< 30.00
	688.00			21.35	20.86	< 30.00
20	673.00	27	0	21.05	20.56	< 30.00
	683.00			21.17	20.68	< 30.00
	688.00			21.22	20.73	< 30.00
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

A.4 Peak to Average Radio Test Result

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2022-08-06	Test Band	Band 2

Channel Bandwidth (MHz)	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK				
20	1880.0	5.08	≤ 13.00	Pass
16QAM				
20	1880.0	5.89	≤ 13.00	Pass



Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2022-08-06	Test Band	Band 4/66

Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK				
20	1745.0	5.01	≤ 13.00	Pass
16QAM				
20	1745.0	5.79	≤ 13.00	Pass



Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2022-08-06	Test Band	Band 5

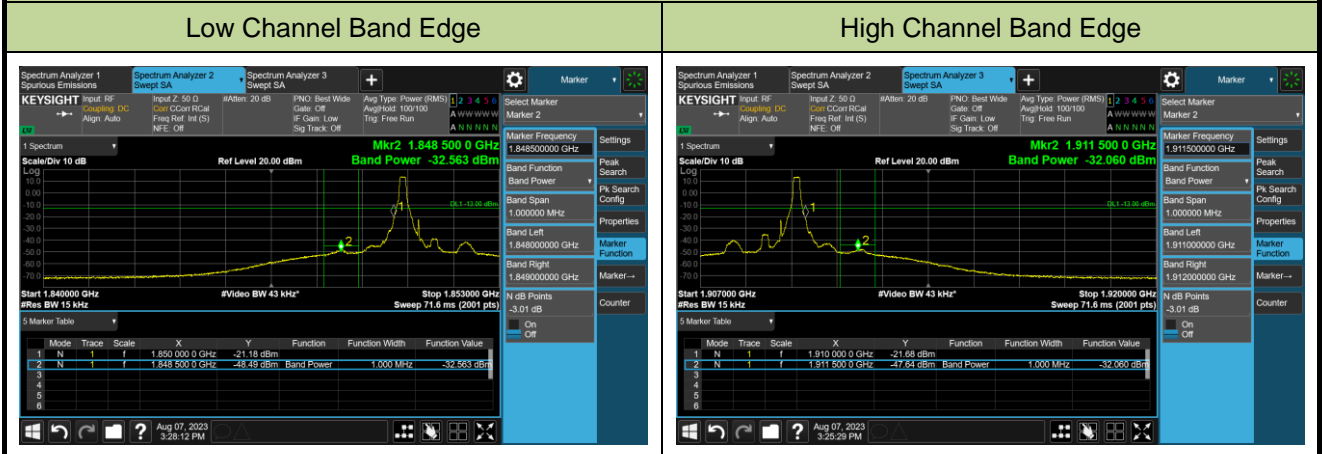
Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK				
10	836.5	4.57	≤ 13.00	Pass
16QAM				
10	836.5	4.92	≤ 13.00	Pass



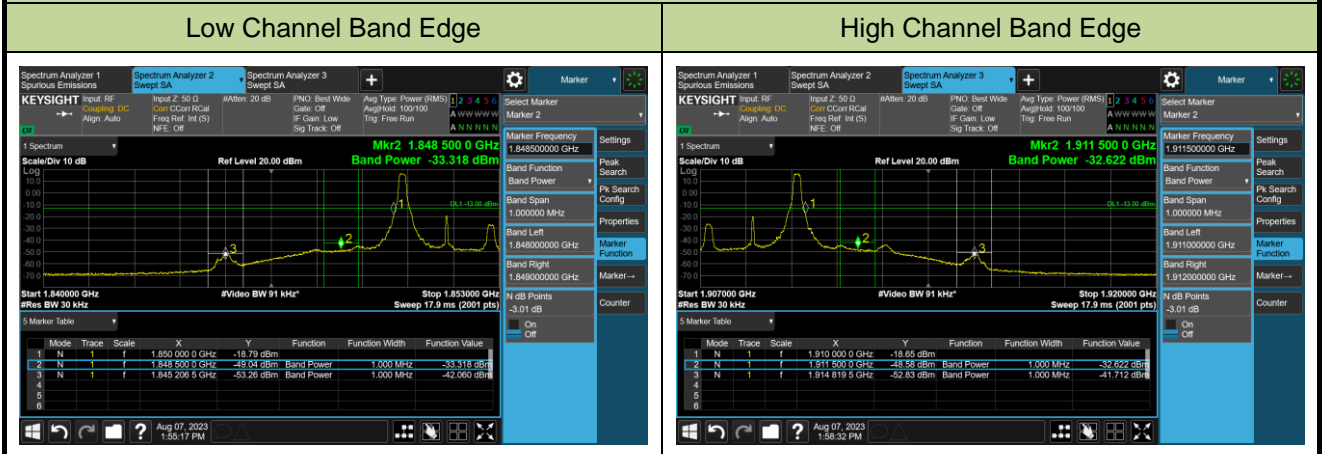
A.5 Band Edge Test Result

Test Site	WZ-SR6	Test Engineer	Larry Yan
Test Date	2022-08-07	Test Band	LTE Band 2

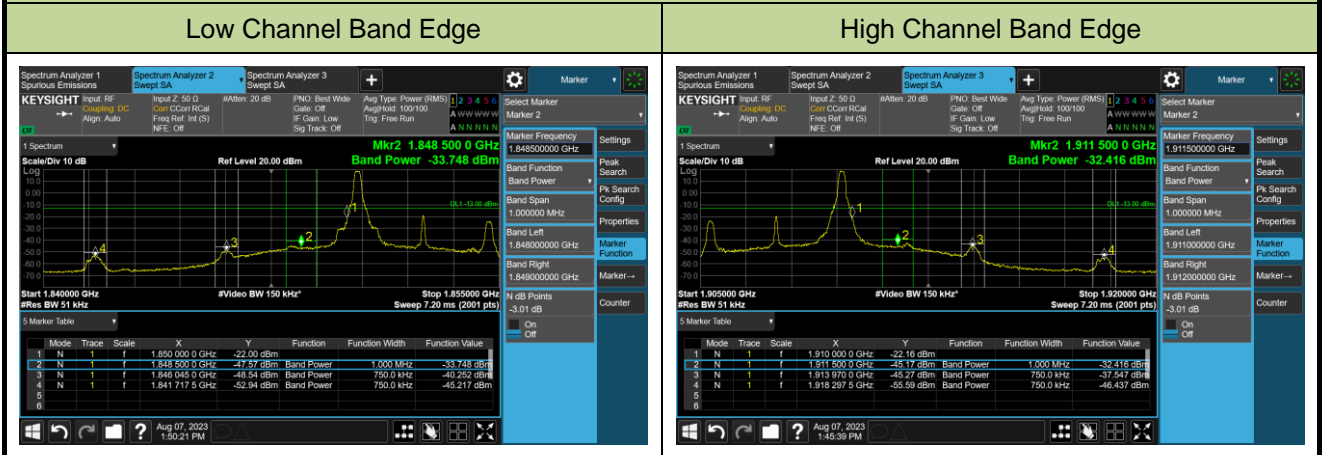
1.4MHz Channel Bandwidth - 1RB



3MHz Channel Bandwidth - 1RB

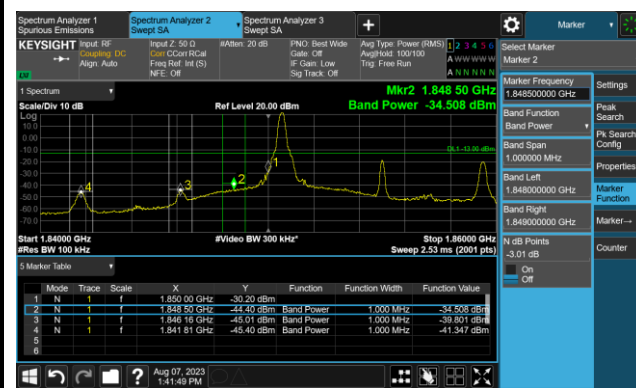


5MHz Channel Bandwidth - 1RB

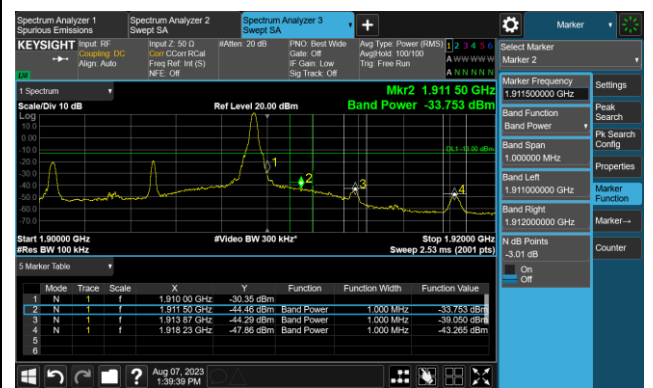


10MHz Channel Bandwidth - 1RB

Low Channel Band Edge

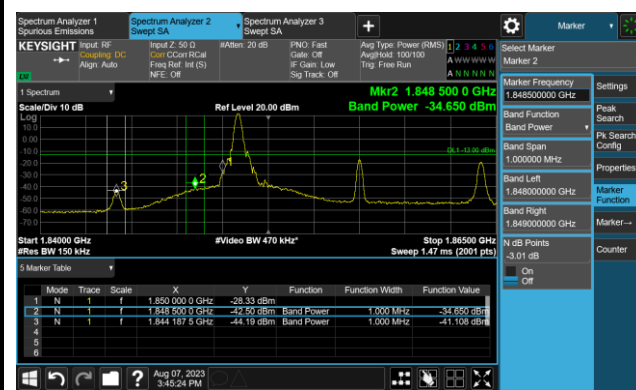


High Channel Band Edge

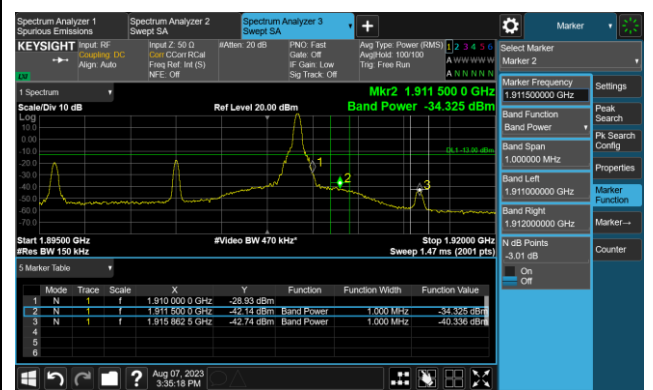


15MHz Channel Bandwidth - 1RB

Low Channel Band Edge

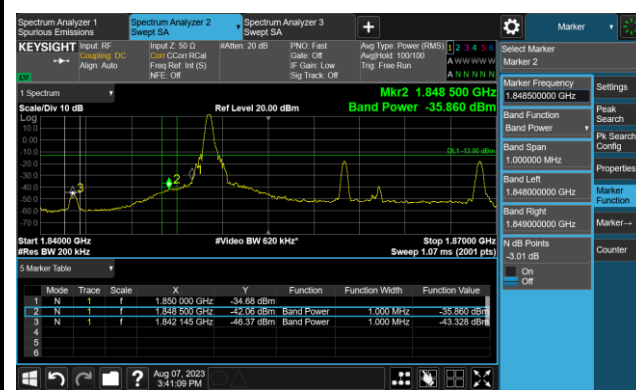


High Channel Band Edge



20MHz Channel Bandwidth - 1RB

Low Channel Band Edge



High Channel Band Edge

