RF MEASUREMENT REPORT

FCC ID:	2BFH8PLUG5LTE
IC:	32278-PLUG5LTE
Applicant:	UAB “Ruptela”
Product:	Plug5
Model No.:	Plug5-LTE-NA-BT-WiFi
Brand Name:	Ruptela
FCC Rule(s):	Part 2, 22 (H), 24 (E), 27, Part 90 (R)
ISED Rule(s):	RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 6 RSS-139 Issue 4, RSS-140 Issue 1, RSS-Gen Issue 5
Result:	Complies
Received Date:	2024-06-12
Test Date:	2024-06-13

Reviewed By: Kevin Guo

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

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.

Revision History

Report No.	Version	Description	Issue Date	Note
2403RSU012-U4	V01	Initial Report	2024-06-30	Valid

CONTENTS

1. General Information

1.1. Applicant

UAB “Ruptela”

Perkūnkiemio st. 6, LT-12130, Vilnius, Lithuania

1.2. Manufacturer

UAB “Ruptela”

Perkūnkiemio st. 6, LT-12130, Vilnius, Lithuania

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong)				
	D8 Building, No.2 Tian’edang Rd., Wuzhong Economic Development Zone, Suzhou, China				
	Laboratory Location (Suzhou - SIP)				
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen)				
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan)				
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: 3261				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	Plug5
Model No.	Plug5-LTE-NA-BT-WiFi
Brand Name	Ruptela
EUT Identification No.	20240307Sample#02
Wi-Fi Specification	802.11b/g/n
Bluetooth Specification	V5.1 Bluetooth LE
3GPP Specification	LTE Band 2/4/5/12/14
Operating Environment	In the vehicular environment
Supply Voltage Rating	9-32Vdc, typically 12Vdc
Antenna Specification	Refer to Section 1.6
Integrated Modular Information	
Cellular Modular Information	Model Number: EC25-AFDL Brand Name: QUECTEL FCC ID: XMR2021EC25AFDL IC: 10224A-21EC25AFDL
Remark: 1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer. 2. This device is based on the certification modular to assess the equivalent (Isotropic) Radiated Power.	

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 14: 788 ~ 798MHz
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 14: 758 ~ 768MHz
Support Bandwidth	Band 2, 4: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz Band 5, 12: 1.4MHz, 3MHz, 5MHz, 10MHz Band 14: 5MHz, 10MHz
Support Power Class	PC3
Modulation	UL & DL up to 64QAM

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE Band 2	1850 ~ 1910	LDS Antenna	2.35
LTE Band 4	1710 ~ 1755		2.35
LTE Band 5	824 ~ 849		2.35
LTE Band 12	699 ~ 716		2.35
LTE Band 14	788 ~ 798		2.35
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, Part 90
- RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 6, RSS-139 Issue 4, RSS-140 Issue 1, RSS-Gen Issue 5
- 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 Environment Condition

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

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Date	Cali. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06362	1 year	2024-02-05	2025-02-04	WZ-SR6
Shielding Room	HUAMING	WZ-SR6	MRTSUE06443	N/A	N/A	N/A	WZ-SR6
Signal Analyzer	Keysight	N9020B	MRTSUE06583	1 year	2023-09-28	2024-09-27	WZ-SR6
Radio Communication Analyzer	Anritsu	MT8821C	MRTSUE06960	1 year	2023-07-07	2024-07-06	WZ-SR6

Software	Version	Function
UCTS	V 6.23.217.99	license 3G & 4G & 5G

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.

Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.66dB

5. Test Result

5.1. Summary

FCC & ISED Part Section(s)	Test Description	Test Condition	Test Result
22.913(a)(5), 24.232(c) 27.50(c)(10) (d)(4), 90.542a7	Equivalent (Isotropic) Radiated Power	Conducted	Pass
RSS-130 §4.6, RSS-132 §5.4 RSS-133 §6.4, RSS-139 §5.5 RSS-140 §4.3			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.

5.2. Equivalent Isotropically Radiated Power Measurement

5.2.1. 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:

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 (30 dBm) watts EIRP.

Band 5:

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

Band 12, 14:

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698–746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

Portable stations (hand-held devices) transmitting in the 758–768 MHz band and the 788–798 MHz band are limited to 3 watts ERP.

5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.4.2

5.2.3. 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:

ERP or EIRP = P_{Meas} + G_T

where

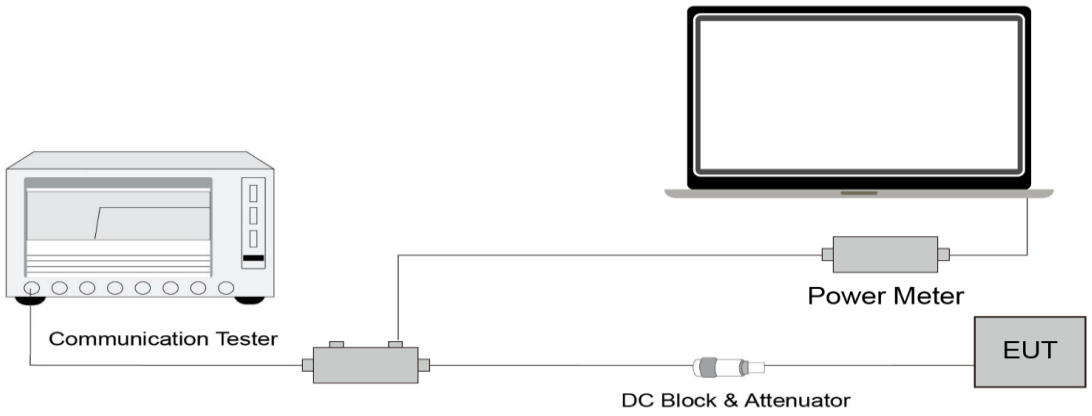
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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)

ERP = EIRP -2.15

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

Appendix A - Test Result

A.1 Equivalent Isotropically Radited Power Test Result

Test Site	WZ-SR6	Test Engineer	Lucas Wang
Test Date	2024-06-13	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	19.10	21.45	< 33.01
	1880.00			18.96	21.31	< 33.01
	1909.30			18.37	20.72	< 33.01
1.4	1850.70	1	2	19.09	21.44	< 33.01
	1880.00			18.80	21.15	< 33.01
	1909.30			18.43	20.78	< 33.01
1.4	1850.70	1	6	19.02	21.37	< 33.01
	1880.00			18.66	21.01	< 33.01
	1909.30			18.40	20.75	< 33.01
1.4	1850.70	6	0	18.19	20.54	< 33.01
	1880.00			17.93	20.28	< 33.01
	1909.30			17.60	19.95	< 33.01
3	1851.50	1	0	19.06	21.41	< 33.01
	1880.00			18.88	21.23	< 33.01
	1908.50			18.50	20.85	< 33.01
3	1851.50	1	7	19.31	21.66	< 33.01
	1880.00			19.04	21.39	< 33.01
	1908.50			18.71	21.06	< 33.01
3	1851.50	1	14	19.03	21.38	< 33.01
	1880.00			18.77	21.12	< 33.01
	1908.50			18.47	20.82	< 33.01
3	1851.50	15	0	18.22	20.57	< 33.01
	1880.00			17.80	20.15	< 33.01
	1908.50			17.63	19.98	< 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	19.00	21.35	< 33.01
	1880.00			18.88	21.23	< 33.01
	1907.50			18.54	20.89	< 33.01
5	1852.50	1	12	19.03	21.38	< 33.01
	1880.00			18.85	21.20	< 33.01
	1907.50			18.71	21.06	< 33.01
5	1852.50	1	24	18.96	21.31	< 33.01
	1880.00			18.79	21.14	< 33.01
	1907.50			18.63	20.98	< 33.01
5	1852.50	25	0	18.08	20.43	< 33.01
	1880.00			17.93	20.28	< 33.01
	1907.50			17.61	19.96	< 33.01
10	1855.00	1	0	18.95	21.30	< 33.01
	1880.00			18.71	21.06	< 33.01
	1905.00			18.40	20.75	< 33.01
10	1855.00	1	24	19.16	21.51	< 33.01
	1880.00			18.89	21.24	< 33.01
	1905.00			19.07	21.42	< 33.01
10	1855.00	1	49	18.98	21.33	< 33.01
	1880.00			18.68	21.03	< 33.01
	1905.00			18.81	21.16	< 33.01
10	1855.00	50	0	18.13	20.48	< 33.01
	1880.00			17.97	20.32	< 33.01
	1905.00			17.84	20.19	< 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	19.10	21.45	< 33.01
	1880.00			18.92	21.27	< 33.01
	1902.50			18.63	20.98	< 33.01
15	1857.50	1	37	19.17	21.52	< 33.01
	1880.00			19.16	21.51	< 33.01
	1902.50			18.66	21.01	< 33.01
15	1857.50	1	74	19.26	21.61	< 33.01
	1880.00			18.80	21.15	< 33.01
	1902.50			18.91	21.26	< 33.01
15	1857.50	75	0	18.10	20.45	< 33.01
	1880.00			18.02	20.37	< 33.01
	1902.50			17.58	19.93	< 33.01
20	1860.00	1	0	19.02	21.37	< 33.01
	1880.00			19.06	21.41	< 33.01
	1900.00			18.83	21.18	< 33.01
20	1860.00	1	49	19.16	21.51	< 33.01
	1880.00			19.35	21.70	< 33.01
	1900.00			18.60	20.95	< 33.01
20	1860.00	1	99	19.06	21.41	< 33.01
	1880.00			18.65	21.00	< 33.01
	1900.00			18.81	21.16	< 33.01
20	1860.00	100	0	18.10	20.45	< 33.01
	1880.00			18.01	20.36	< 33.01
	1900.00			17.94	20.29	< 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)
16QAM						
1.4	1850.70	1	0	17.74	20.09	< 33.01
	1880.00			17.74	20.09	< 33.01
	1909.30			17.21	19.56	< 33.01
1.4	1850.70	1	2	17.60	19.95	< 33.01
	1880.00			17.59	19.94	< 33.01
	1909.30			17.13	19.48	< 33.01
1.4	1850.70	1	6	17.79	20.14	< 33.01
	1880.00			17.56	19.91	< 33.01
	1909.30			17.43	19.78	< 33.01
1.4	1850.70	6	0	17.04	19.39	< 33.01
	1880.00			16.91	19.26	< 33.01
	1909.30			17.15	19.50	< 33.01
3	1851.50	1	0	17.92	20.27	< 33.01
	1880.00			17.48	19.83	< 33.01
	1908.50			17.10	19.45	< 33.01
3	1851.50	1	7	18.11	20.46	< 33.01
	1880.00			17.57	19.92	< 33.01
	1908.50			17.68	20.03	< 33.01
3	1851.50	1	14	17.76	20.11	< 33.01
	1880.00			17.58	19.93	< 33.01
	1908.50			17.14	19.49	< 33.01
3	1851.50	15	0	17.15	19.50	< 33.01
	1880.00			16.95	19.30	< 33.01
	1908.50			16.93	19.28	< 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	17.63	19.98	< 33.01
	1880.00			17.62	19.97	< 33.01
	1907.50			16.86	19.21	< 33.01
5	1852.50	1	12	17.59	19.94	< 33.01
	1880.00			17.33	19.68	< 33.01
	1907.50			17.81	20.16	< 33.01
5	1852.50	1	24	17.04	19.39	< 33.01
	1880.00			17.18	19.53	< 33.01
	1907.50			17.59	19.94	< 33.01
5	1852.50	25	0	16.98	19.33	< 33.01
	1880.00			17.04	19.39	< 33.01
	1907.50			16.73	19.08	< 33.01
10	1855.00	1	0	17.84	20.19	< 33.01
	1880.00			17.27	19.62	< 33.01
	1905.00			17.08	19.43	< 33.01
10	1855.00	1	24	17.50	19.85	< 33.01
	1880.00			17.60	19.95	< 33.01
	1905.00			17.29	19.64	< 33.01
10	1855.00	1	49	17.79	20.14	< 33.01
	1880.00			17.19	19.54	< 33.01
	1905.00			17.08	19.43	< 33.01
10	1855.00	27	0	17.12	19.47	< 33.01
	1880.00			17.17	19.52	< 33.01
	1905.00			16.81	19.16	< 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	17.82	20.17	< 33.01
	1880.00			17.83	20.18	< 33.01
	1902.50			17.10	19.45	< 33.01
15	1857.50	1	37	18.07	20.42	< 33.01
	1880.00			18.08	20.43	< 33.01
	1902.50			17.67	20.02	< 33.01
15	1857.50	1	74	17.73	20.08	< 33.01
	1880.00			17.32	19.67	< 33.01
	1902.50			17.35	19.70	< 33.01
15	1857.50	27	0	17.08	19.43	< 33.01
	1880.00			17.02	19.37	< 33.01
	1902.50			16.85	19.20	< 33.01
20	1860.00	1	0	17.61	19.96	< 33.01
	1880.00			17.46	19.81	< 33.01
	1900.00			18.19	20.54	< 33.01
20	1860.00	1	49	17.56	19.91	< 33.01
	1880.00			17.93	20.28	< 33.01
	1900.00			17.45	19.80	< 33.01
20	1860.00	1	99	17.34	19.69	< 33.01
	1880.00			17.01	19.36	< 33.01
	1900.00			17.82	20.17	< 33.01
20	1860.00	27	0	17.11	19.46	< 33.01
	1880.00			17.06	19.41	< 33.01
	1900.00			16.85	19.20	< 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)
64QAM						
1.4	1850.70	1	0	18.02	20.37	< 33.01
	1880.00			17.77	20.12	< 33.01
	1909.30			17.45	19.80	< 33.01
1.4	1850.70	1	2	18.01	20.36	< 33.01
	1880.00			18.14	20.49	< 33.01
	1909.30			17.48	19.83	< 33.01
1.4	1850.70	1	6	18.17	20.52	< 33.01
	1880.00			17.79	20.14	< 33.01
	1909.30			17.51	19.86	< 33.01
1.4	1850.70	6	0	17.14	19.49	< 33.01
	1880.00			17.08	19.43	< 33.01
	1909.30			16.78	19.13	< 33.01
3	1851.50	1	0	18.13	20.48	< 33.01
	1880.00			18.07	20.42	< 33.01
	1908.50			17.48	19.83	< 33.01
3	1851.50	1	7	17.97	20.32	< 33.01
	1880.00			17.76	20.11	< 33.01
	1908.50			17.59	19.94	< 33.01
3	1851.50	1	14	18.09	20.44	< 33.01
	1880.00			17.88	20.23	< 33.01
	1908.50			17.64	19.99	< 33.01
3	1851.50	15	0	17.25	19.60	< 33.01
	1880.00			16.91	19.26	< 33.01
	1908.50			16.78	19.13	< 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)
64QAM						
5	1852.50	1	0	18.11	20.46	< 33.01
	1880.00			17.88	20.23	< 33.01
	1907.50			17.24	19.59	< 33.01
5	1852.50	1	12	17.83	20.18	< 33.01
	1880.00			17.69	20.04	< 33.01
	1907.50			17.50	19.85	< 33.01
5	1852.50	1	24	17.91	20.26	< 33.01
	1880.00			17.58	19.93	< 33.01
	1907.50			17.53	19.88	< 33.01
5	1852.50	25	0	17.21	19.56	< 33.01
	1880.00			17.01	19.36	< 33.01
	1907.50			16.89	19.24	< 33.01
10	1855.00	1	0	18.01	20.36	< 33.01
	1880.00			17.92	20.27	< 33.01
	1905.00			17.41	19.76	< 33.01
10	1855.00	1	24	18.11	20.46	< 33.01
	1880.00			18.12	20.47	< 33.01
	1905.00			17.68	20.03	< 33.01
10	1855.00	1	49	18.06	20.41	< 33.01
	1880.00			17.59	19.94	< 33.01
	1905.00			17.64	19.99	< 33.01
10	1855.00	27	0	17.21	19.56	< 33.01
	1880.00			17.20	19.55	< 33.01
	1905.00			16.86	19.21	< 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)
64QAM						
15	1857.50	1	0	18.31	20.66	< 33.01
	1880.00			17.66	20.01	< 33.01
	1902.50			17.58	19.93	< 33.01
15	1857.50	1	37	17.71	20.06	< 33.01
	1880.00			18.01	20.36	< 33.01
	1902.50			17.52	19.87	< 33.01
15	1857.50	1	74	17.69	20.04	< 33.01
	1880.00			17.78	20.13	< 33.01
	1902.50			17.49	19.84	< 33.01
15	1857.50	27	0	17.06	19.41	< 33.01
	1880.00			17.11	19.46	< 33.01
	1902.50			16.73	19.08	< 33.01
20	1860.00	1	0	18.10	20.45	< 33.01
	1880.00			17.94	20.29	< 33.01
	1900.00			17.80	20.15	< 33.01
20	1860.00	1	49	17.83	20.18	< 33.01
	1880.00			17.91	20.26	< 33.01
	1900.00			17.77	20.12	< 33.01
20	1860.00	1	99	18.04	20.39	< 33.01
	1880.00			17.41	19.76	< 33.01
	1900.00			17.75	20.10	< 33.01
20	1860.00	27	0	17.34	19.69	< 33.01
	1880.00			17.19	19.54	< 33.01
	1900.00			16.64	18.99	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Test Site	WZ-SR6	Test Engineer	Lucas Wang
Test Date	2024-06-13	Test Band	LTE Band 4

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK						
1.4	1710.70	1	0	20.65	23.00	< 30.00
	1745.00			20.42	22.77	< 30.00
	1779.30			19.87	22.22	< 30.00
1.4	1710.70	1	2	20.88	23.23	< 30.00
	1745.00			20.64	22.99	< 30.00
	1779.30			20.02	22.37	< 30.00
1.4	1710.70	1	6	20.98	23.33	< 30.00
	1745.00			20.27	22.62	< 30.00
	1779.30			19.78	22.13	< 30.00
1.4	1710.70	6	0	20.09	22.44	< 30.00
	1745.00			19.40	21.75	< 30.00
	1779.30			19.01	21.36	< 30.00
3	1711.50	1	0	20.36	22.71	< 30.00
	1745.00			19.91	22.26	< 30.00
	1778.50			19.93	22.28	< 30.00
3	1711.50	1	7	20.37	22.72	< 30.00
	1745.00			20.17	22.52	< 30.00
	1778.50			19.92	22.27	< 30.00
3	1711.50	1	14	20.21	22.56	< 30.00
	1745.00			20.07	22.42	< 30.00
	1778.50			19.52	21.87	< 30.00
3	1711.50	15	0	19.35	21.70	< 30.00
	1745.00			19.16	21.51	< 30.00
	1778.50			18.84	21.19	< 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	20.47	22.82	< 30.00
	1745.00			20.04	22.39	< 30.00
	1777.50			19.85	22.20	< 30.00
5	1712.50	1	12	20.36	22.71	< 30.00
	1745.00			20.20	22.55	< 30.00
	1777.50			19.82	22.17	< 30.00
5	1712.50	1	24	20.30	22.65	< 30.00
	1745.00			19.85	22.20	< 30.00
	1777.50			19.96	22.31	< 30.00
5	1712.50	25	0	19.38	21.73	< 30.00
	1745.00			18.95	21.30	< 30.00
	1777.50			18.79	21.14	< 30.00
10	1715.00	1	0	20.35	22.70	< 30.00
	1745.00			19.83	22.18	< 30.00
	1775.00			19.94	22.29	< 30.00
10	1715.00	1	24	20.12	22.47	< 30.00
	1745.00			20.05	22.40	< 30.00
	1775.00			19.65	22.00	< 30.00
10	1715.00	1	49	19.71	22.06	< 30.00
	1745.00			19.96	22.31	< 30.00
	1775.00			19.84	22.19	< 30.00
10	1715.00	50	0	19.12	21.47	< 30.00
	1745.00			18.95	21.30	< 30.00
	1775.00			18.75	21.10	< 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	20.62	22.97	< 30.00
	1745.00			20.08	22.43	< 30.00
	1772.50			20.37	22.72	< 30.00
15	1717.50	1	37	20.14	22.49	< 30.00
	1745.00			20.18	22.53	< 30.00
	1772.50			20.35	22.70	< 30.00
15	1717.50	1	74	20.10	22.45	< 30.00
	1745.00			20.28	22.63	< 30.00
	1772.50			19.90	22.25	< 30.00
15	1717.50	75	0	19.24	21.59	< 30.00
	1745.00			19.04	21.39	< 30.00
	1772.50			18.90	21.25	< 30.00
20	1720.00	1	0	20.58	22.93	< 30.00
	1745.00			20.22	22.57	< 30.00
	1770.00			20.42	22.77	< 30.00
20	1720.00	1	49	19.94	22.29	< 30.00
	1745.00			20.17	22.52	< 30.00
	1770.00			20.32	22.67	< 30.00
20	1720.00	1	99	20.20	22.55	< 30.00
	1745.00			20.37	22.72	< 30.00
	1770.00			20.12	22.47	< 30.00
20	1720.00	100	0	19.19	21.54	< 30.00
	1745.00			19.33	21.68	< 30.00
	1770.00			19.44	21.79	< 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	19.86	22.21	< 30.00
	1745.00			18.69	21.04	< 30.00
	1779.30			18.48	20.83	< 30.00
1.4	1710.70	1	2	19.93	22.28	< 30.00
	1745.00			18.78	21.13	< 30.00
	1779.30			18.68	21.03	< 30.00
1.4	1710.70	1	6	19.98	22.33	< 30.00
	1745.00			18.79	21.14	< 30.00
	1779.30			18.43	20.78	< 30.00
1.4	1710.70	6	0	19.16	21.51	< 30.00
	1745.00			18.34	20.69	< 30.00
	1779.30			18.22	20.57	< 30.00
3	1711.50	1	0	19.24	21.59	< 30.00
	1745.00			18.59	20.94	< 30.00
	1778.50			18.54	20.89	< 30.00
3	1711.50	1	7	19.47	21.82	< 30.00
	1745.00			18.92	21.27	< 30.00
	1778.50			18.61	20.96	< 30.00
3	1711.50	1	14	19.04	21.39	< 30.00
	1745.00			18.55	20.90	< 30.00
	1778.50			18.45	20.80	< 30.00
3	1711.50	15	0	18.54	20.89	< 30.00
	1745.00			18.32	20.67	< 30.00
	1778.50			17.90	20.25	< 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	19.15	21.50	< 30.00
	1745.00			18.53	20.88	< 30.00
	1777.50			18.70	21.05	< 30.00
5	1712.50	1	12	18.90	21.25	< 30.00
	1745.00			18.89	21.24	< 30.00
	1777.50			18.34	20.69	< 30.00
5	1712.50	1	24	18.32	20.67	< 30.00
	1745.00			18.59	20.94	< 30.00
	1777.50			18.09	20.44	< 30.00
5	1712.50	25	0	18.22	20.57	< 30.00
	1745.00			18.03	20.38	< 30.00
	1777.50			17.76	20.11	< 30.00
10	1715.00	1	0	18.82	21.17	< 30.00
	1745.00			18.22	20.57	< 30.00
	1775.00			18.60	20.95	< 30.00
10	1715.00	1	24	18.76	21.11	< 30.00
	1745.00			18.56	20.91	< 30.00
	1775.00			18.38	20.73	< 30.00
10	1715.00	1	49	18.31	20.66	< 30.00
	1745.00			18.73	21.08	< 30.00
	1775.00			18.46	20.81	< 30.00
10	1715.00	27	0	18.14	20.49	< 30.00
	1745.00			18.03	20.38	< 30.00
	1775.00			17.79	20.14	< 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	19.05	21.40	< 30.00
	1745.00			18.55	20.90	< 30.00
	1772.50			18.88	21.23	< 30.00
15	1717.50	1	37	18.68	21.03	< 30.00
	1745.00			19.07	21.42	< 30.00
	1772.50			19.12	21.47	< 30.00
15	1717.50	1	74	18.70	21.05	< 30.00
	1745.00			18.74	21.09	< 30.00
	1772.50			18.49	20.84	< 30.00
15	1717.50	27	0	18.10	20.45	< 30.00
	1745.00			18.05	20.40	< 30.00
	1772.50			17.86	20.21	< 30.00
20	1720.00	1	0	18.59	20.94	< 30.00
	1745.00			18.42	20.77	< 30.00
	1770.00			18.52	20.87	< 30.00
20	1720.00	1	49	18.38	20.73	< 30.00
	1745.00			18.70	21.05	< 30.00
	1770.00			18.89	21.24	< 30.00
20	1720.00	1	99	18.40	20.75	< 30.00
	1745.00			19.20	21.55	< 30.00
	1770.00			18.54	20.89	< 30.00
20	1720.00	27	0	18.12	20.47	< 30.00
	1745.00			18.22	20.57	< 30.00
	1770.00			18.30	20.65	< 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)
64QAM						
1.4	1710.70	1	0	20.03	22.38	< 30.00
	1745.00			19.12	21.47	< 30.00
	1779.30			18.58	20.93	< 30.00
1.4	1710.70	1	2	19.97	22.32	< 30.00
	1745.00			19.16	21.51	< 30.00
	1779.30			19.06	21.41	< 30.00
1.4	1710.70	1	6	19.69	22.04	< 30.00
	1745.00			18.89	21.24	< 30.00
	1779.30			18.53	20.88	< 30.00
1.4	1710.70	6	0	18.93	21.28	< 30.00
	1745.00			18.21	20.56	< 30.00
	1779.30			17.95	20.30	< 30.00
3	1711.50	1	0	19.55	21.90	< 30.00
	1745.00			18.97	21.32	< 30.00
	1778.50			18.66	21.01	< 30.00
3	1711.50	1	7	19.20	21.55	< 30.00
	1745.00			18.90	21.25	< 30.00
	1778.50			18.84	21.19	< 30.00
3	1711.50	1	14	19.28	21.63	< 30.00
	1745.00			18.74	21.09	< 30.00
	1778.50			18.78	21.13	< 30.00
3	1711.50	15	0	18.42	20.77	< 30.00
	1745.00			18.31	20.66	< 30.00
	1778.50			17.79	20.14	< 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)
64QAM						
5	1712.50	1	0	19.57	21.92	< 30.00
	1745.00			18.83	21.18	< 30.00
	1777.50			18.85	21.20	< 30.00
5	1712.50	1	12	19.30	21.65	< 30.00
	1745.00			18.99	21.34	< 30.00
	1777.50			18.79	21.14	< 30.00
5	1712.50	1	24	19.26	21.61	< 30.00
	1745.00			18.25	20.60	< 30.00
	1777.50			18.89	21.24	< 30.00
5	1712.50	25	0	18.27	20.62	< 30.00
	1745.00			17.99	20.34	< 30.00
	1777.50			17.76	20.11	< 30.00
10	1715.00	1	0	19.44	21.79	< 30.00
	1745.00			18.95	21.30	< 30.00
	1775.00			18.74	21.09	< 30.00
10	1715.00	1	24	19.39	21.74	< 30.00
	1745.00			18.95	21.30	< 30.00
	1775.00			18.77	21.12	< 30.00
10	1715.00	1	49	18.45	20.80	< 30.00
	1745.00			19.00	21.35	< 30.00
	1775.00			19.15	21.50	< 30.00
10	1715.00	27	0	18.41	20.76	< 30.00
	1745.00			17.99	20.34	< 30.00
	1775.00			17.75	20.10	< 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)
64QAM						
15	1717.50	1	0	19.13	21.48	< 30.00
	1745.00			19.01	21.36	< 30.00
	1772.50			18.97	21.32	< 30.00
15	1717.50	1	37	18.92	21.27	< 30.00
	1745.00			18.77	21.12	< 30.00
	1772.50			18.70	21.05	< 30.00
15	1717.50	1	74	19.15	21.50	< 30.00
	1745.00			18.94	21.29	< 30.00
	1772.50			18.81	21.16	< 30.00
15	1717.50	27	0	18.11	20.46	< 30.00
	1745.00			17.93	20.28	< 30.00
	1772.50			17.76	20.11	< 30.00
20	1720.00	1	0	19.36	21.71	< 30.00
	1745.00			18.77	21.12	< 30.00
	1770.00			18.85	21.20	< 30.00
20	1720.00	1	49	18.87	21.22	< 30.00
	1745.00			19.12	21.47	< 30.00
	1770.00			18.75	21.10	< 30.00
20	1720.00	1	99	19.30	21.65	< 30.00
	1745.00			18.94	21.29	< 30.00
	1770.00			18.98	21.33	< 30.00
20	1720.00	27	0	18.18	20.53	< 30.00
	1745.00			17.96	20.31	< 30.00
	1770.00			18.05	20.40	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)						

Test Site	WZ-SR6	Test Engineer	Lucas Wang
Test Date	2024-06-13	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	22.84	23.04	< 38.45
	836.50			22.72	22.92	< 38.45
	848.30			22.84	23.04	< 38.45
1.4	824.70	1	2	22.95	23.15	< 38.45
	836.50			22.77	22.97	< 38.45
	848.30			22.88	23.08	< 38.45
1.4	824.70	1	6	22.68	22.88	< 38.45
	836.50			22.51	22.71	< 38.45
	848.30			22.68	22.88	< 38.45
1.4	824.70	6	0	21.95	22.15	< 38.45
	836.50			21.85	22.05	< 38.45
	848.30			21.94	22.14	< 38.45
3	825.50	1	0	23.24	23.44	< 38.45
	836.50			22.93	23.13	< 38.45
	847.50			23.03	23.23	< 38.45
3	825.50	1	7	23.29	23.49	< 38.45
	836.50			22.95	23.15	< 38.45
	847.50			22.95	23.15	< 38.45
3	825.50	1	14	23.09	23.29	< 38.45
	836.50			22.93	23.13	< 38.45
	847.50			22.64	22.84	< 38.45
3	825.50	15	0	22.11	22.31	< 38.45
	836.50			22.05	22.25	< 38.45
	847.50			21.98	22.18	< 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	23.01	23.21	< 38.45
	836.50			23.02	23.22	< 38.45
	846.50			22.94	23.14	< 38.45
5	826.50	1	12	23.06	23.26	< 38.45
	836.50			23.06	23.26	< 38.45
	846.50			23.02	23.22	< 38.45
5	826.50	1	24	23.06	23.26	< 38.45
	836.50			22.79	22.99	< 38.45
	846.50			22.90	23.10	< 38.45
5	826.50	25	0	22.15	22.35	< 38.45
	836.50			22.10	22.30	< 38.45
	846.50			21.93	22.13	< 38.45
10	829.00	1	0	22.94	23.14	< 38.45
	836.50			22.97	23.17	< 38.45
	844.00			22.93	23.13	< 38.45
10	829.00	1	24	22.92	23.12	< 38.45
	836.50			23.00	23.20	< 38.45
	844.00			23.10	23.30	< 38.45
10	829.00	1	49	22.98	23.18	< 38.45
	836.50			22.69	22.89	< 38.45
	844.00			22.74	22.94	< 38.45
10	829.00	50	0	22.22	22.42	< 38.45
	836.50			22.07	22.27	< 38.45
	844.00			21.98	22.18	< 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	21.65	21.85	< 38.45
	836.50			21.44	21.64	< 38.45
	848.30			21.62	21.82	< 38.45
1.4	824.70	1	2	21.81	22.01	< 38.45
	836.50			21.69	21.89	< 38.45
	848.30			21.68	21.88	< 38.45
1.4	824.70	1	6	21.38	21.58	< 38.45
	836.50			21.33	21.53	< 38.45
	848.30			21.16	21.36	< 38.45
1.4	824.70	6	0	21.03	21.23	< 38.45
	836.50			21.15	21.35	< 38.45
	848.30			21.09	21.29	< 38.45
3	825.50	1	0	21.76	21.96	< 38.45
	836.50			21.56	21.76	< 38.45
	847.50			21.81	22.01	< 38.45
3	825.50	1	7	22.10	22.30	< 38.45
	836.50			22.62	22.82	< 38.45
	847.50			22.03	22.23	< 38.45
3	825.50	1	14	21.84	22.04	< 38.45
	836.50			21.58	21.78	< 38.45
	847.50			21.79	21.99	< 38.45
3	825.50	15	0	21.03	21.23	< 38.45
	836.50			21.04	21.24	< 38.45
	847.50			20.82	21.02	< 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	21.94	22.14	< 38.45
	836.50			21.65	21.85	< 38.45
	846.50			21.81	22.01	< 38.45
5	826.50	1	12	21.38	21.58	< 38.45
	836.50			21.44	21.64	< 38.45
	846.50			21.44	21.64	< 38.45
5	826.50	1	24	21.80	22.00	< 38.45
	836.50			21.39	21.59	< 38.45
	846.50			21.22	21.42	< 38.45
5	826.50	25	0	21.20	21.40	< 38.45
	836.50			21.01	21.21	< 38.45
	846.50			20.75	20.95	< 38.45
10	829.00	1	0	21.79	21.99	< 38.45
	836.50			22.08	22.28	< 38.45
	844.00			21.71	21.91	< 38.45
10	829.00	1	24	21.45	21.65	< 38.45
	836.50			21.67	21.87	< 38.45
	844.00			21.65	21.85	< 38.45
10	829.00	1	49	21.64	21.84	< 38.45
	836.50			21.67	21.87	< 38.45
	844.00			21.32	21.52	< 38.45
10	829.00	27	0	21.18	21.38	< 38.45
	836.50			21.07	21.27	< 38.45
	844.00			20.95	21.15	< 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)
64QAM						
1.4	824.70	1	0	21.38	21.58	< 38.45
	836.50			21.85	22.05	< 38.45
	848.30			22.14	22.34	< 38.45
1.4	824.70	1	2	21.76	21.96	< 38.45
	836.50			21.92	22.12	< 38.45
	848.30			22.21	22.41	< 38.45
1.4	824.70	1	6	21.25	21.45	< 38.45
	836.50			21.79	21.99	< 38.45
	848.30			21.74	21.94	< 38.45
1.4	824.70	6	0	21.15	21.35	< 38.45
	836.50			20.81	21.01	< 38.45
	848.30			20.92	21.12	< 38.45
3	825.50	1	0	22.07	22.27	< 38.45
	836.50			21.74	21.94	< 38.45
	847.50			21.91	22.11	< 38.45
3	825.50	1	7	21.85	22.05	< 38.45
	836.50			22.02	22.22	< 38.45
	847.50			22.01	22.21	< 38.45
3	825.50	1	14	21.94	22.14	< 38.45
	836.50			22.33	22.53	< 38.45
	847.50			21.81	22.01	< 38.45
3	825.50	15	0	21.06	21.26	< 38.45
	836.50			21.05	21.25	< 38.45
	847.50			21.05	21.25	< 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)
64QAM						
5	826.50	1	0	21.74	21.94	< 38.45
	836.50			21.92	22.12	< 38.45
	846.50			21.70	21.90	< 38.45
5	826.50	1	12	22.03	22.23	< 38.45
	836.50			21.82	22.02	< 38.45
	846.50			21.90	22.10	< 38.45
5	826.50	1	24	21.84	22.04	< 38.45
	836.50			21.68	21.88	< 38.45
	846.50			21.31	21.51	< 38.45
5	826.50	25	0	21.04	21.24	< 38.45
	836.50			20.91	21.11	< 38.45
	846.50			20.93	21.13	< 38.45
10	829.00	1	0	22.08	22.28	< 38.45
	836.50			22.18	22.38	< 38.45
	844.00			21.88	22.08	< 38.45
10	829.00	1	24	22.28	22.48	< 38.45
	836.50			22.15	22.35	< 38.45
	844.00			21.79	21.99	< 38.45
10	829.00	1	49	22.08	22.28	< 38.45
	836.50			21.82	22.02	< 38.45
	844.00			21.89	22.09	< 38.45
10	829.00	27	0	21.16	21.36	< 38.45
	836.50			21.07	21.27	< 38.45
	844.00			21.04	21.24	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Test Site	WZ-SR6	Test Engineer	Lucas Wang
Test Date	2024-06-13	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	22.96	23.16	< 34.77
	707.50			22.84	23.04	< 34.77
	715.30			22.58	22.78	< 34.77
1.4	699.70	1	2	23.00	23.20	< 34.77
	707.50			23.23	23.43	< 34.77
	715.30			22.91	23.11	< 34.77
1.4	699.70	1	6	23.00	23.20	< 34.77
	707.50			23.09	23.29	< 34.77
	715.30			22.84	23.04	< 34.77
1.4	699.70	6	0	21.87	22.07	< 34.77
	707.50			22.09	22.29	< 34.77
	715.30			21.84	22.04	< 34.77
3	700.50	1	0	22.92	23.12	< 34.77
	707.50			22.93	23.13	< 34.77
	714.50			22.81	23.01	< 34.77
3	700.50	1	7	23.26	23.46	< 34.77
	707.50			23.25	23.45	< 34.77
	714.50			22.84	23.04	< 34.77
3	700.50	1	14	22.86	23.06	< 34.77
	707.50			23.07	23.27	< 34.77
	714.50			23.00	23.20	< 34.77
3	700.50	15	0	22.14	22.34	< 34.77
	707.50			22.14	22.34	< 34.77
	714.50			21.91	22.11	< 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	22.93	23.13	< 34.77
	707.50			22.97	23.17	< 34.77
	713.50			22.80	23.00	< 34.77
5	701.50	1	12	22.92	23.12	< 34.77
	707.50			23.24	23.44	< 34.77
	713.50			22.70	22.90	< 34.77
5	701.50	1	24	22.90	23.10	< 34.77
	707.50			22.82	23.02	< 34.77
	713.50			22.89	23.09	< 34.77
5	701.50	25	0	21.94	22.14	< 34.77
	707.50			21.96	22.16	< 34.77
	713.50			21.94	22.14	< 34.77
10	704.00	1	0	22.83	23.03	< 34.77
	707.50			22.80	23.00	< 34.77
	711.00			22.85	23.05	< 34.77
10	704.00	1	24	22.92	23.12	< 34.77
	707.50			22.84	23.04	< 34.77
	711.00			22.95	23.15	< 34.77
10	704.00	1	49	22.79	22.99	< 34.77
	707.50			22.70	22.90	< 34.77
	711.00			22.62	22.82	< 34.77
10	704.00	50	0	22.04	22.24	< 34.77
	707.50			21.97	22.17	< 34.77
	711.00			22.09	22.29	< 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	21.61	21.81	< 34.77
	707.50			21.65	21.85	< 34.77
	715.30			21.45	21.65	< 34.77
1.4	699.70	1	2	21.38	21.58	< 34.77
	707.50			21.39	21.59	< 34.77
	715.30			21.50	21.70	< 34.77
1.4	699.70	1	6	21.15	21.35	< 34.77
	707.50			21.71	21.91	< 34.77
	715.30			21.61	21.81	< 34.77
1.4	699.70	6	0	21.09	21.29	< 34.77
	707.50			21.04	21.24	< 34.77
	715.30			21.31	21.51	< 34.77
3	700.50	1	0	21.81	22.01	< 34.77
	707.50			21.89	22.09	< 34.77
	714.50			21.59	21.79	< 34.77
3	700.50	1	7	22.09	22.29	< 34.77
	707.50			22.12	22.32	< 34.77
	714.50			21.93	22.13	< 34.77
3	700.50	1	14	21.66	21.86	< 34.77
	707.50			21.68	21.88	< 34.77
	714.50			21.71	21.91	< 34.77
3	700.50	15	0	20.95	21.15	< 34.77
	707.50			21.16	21.36	< 34.77
	714.50			21.12	21.32	< 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	21.40	21.60	< 34.77
	707.50			21.87	22.07	< 34.77
	713.50			21.76	21.96	< 34.77
5	701.50	1	12	21.90	22.10	< 34.77
	707.50			21.44	21.64	< 34.77
	713.50			21.47	21.67	< 34.77
5	701.50	1	24	21.69	21.89	< 34.77
	707.50			21.63	21.83	< 34.77
	713.50			21.31	21.51	< 34.77
5	701.50	25	0	21.05	21.25	< 34.77
	707.50			21.07	21.27	< 34.77
	713.50			20.93	21.13	< 34.77
10	704.00	1	0	21.50	21.70	< 34.77
	707.50			21.66	21.86	< 34.77
	711.00			21.29	21.49	< 34.77
10	704.00	1	24	21.65	21.85	< 34.77
	707.50			21.67	21.87	< 34.77
	711.00			21.43	21.63	< 34.77
10	704.00	1	49	21.79	21.99	< 34.77
	707.50			21.46	21.66	< 34.77
	711.00			21.64	21.84	< 34.77
10	704.00	27	0	21.02	21.22	< 34.77
	707.50			21.15	21.35	< 34.77
	711.00			21.16	21.36	< 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)
64QAM						
1.4	699.70	1	0	21.72	21.92	< 34.77
	707.50			21.91	22.11	< 34.77
	715.30			21.53	21.73	< 34.77
1.4	699.70	1	2	21.84	22.04	< 34.77
	707.50			22.07	22.27	< 34.77
	715.30			21.81	22.01	< 34.77
1.4	699.70	1	6	21.72	21.92	< 34.77
	707.50			22.19	22.39	< 34.77
	715.30			22.04	22.24	< 34.77
1.4	699.70	6	0	20.86	21.06	< 34.77
	707.50			21.16	21.36	< 34.77
	715.30			20.67	20.87	< 34.77
3	700.50	1	0	22.22	22.42	< 34.77
	707.50			22.20	22.40	< 34.77
	714.50			22.15	22.35	< 34.77
3	700.50	1	7	21.76	21.96	< 34.77
	707.50			22.41	22.61	< 34.77
	714.50			22.07	22.27	< 34.77
3	700.50	1	14	21.78	21.98	< 34.77
	707.50			22.46	22.66	< 34.77
	714.50			22.20	22.40	< 34.77
3	700.50	15	0	21.21	21.41	< 34.77
	707.50			21.28	21.48	< 34.77
	714.50			21.07	21.27	< 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)
64QAM						
5	701.50	1	0	21.82	22.02	< 34.77
	707.50			21.78	21.98	< 34.77
	713.50			21.94	22.14	< 34.77
5	701.50	1	12	22.19	22.39	< 34.77
	707.50			22.36	22.56	< 34.77
	713.50			22.14	22.34	< 34.77
5	701.50	1	24	21.91	22.11	< 34.77
	707.50			21.58	21.78	< 34.77
	713.50			21.91	22.11	< 34.77
5	701.50	25	0	21.28	21.48	< 34.77
	707.50			21.18	21.38	< 34.77
	713.50			20.98	21.18	< 34.77
10	704.00	1	0	21.67	21.87	< 34.77
	707.50			22.04	22.24	< 34.77
	711.00			21.91	22.11	< 34.77
10	704.00	1	24	22.01	22.21	< 34.77
	707.50			22.04	22.24	< 34.77
	711.00			21.99	22.19	< 34.77
10	704.00	1	49	21.98	22.18	< 34.77
	707.50			21.65	21.85	< 34.77
	711.00			21.67	21.87	< 34.77
10	704.00	27	0	21.08	21.28	< 34.77
	707.50			21.14	21.34	< 34.77
	711.00			21.19	21.39	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Test Site	WZ-SR6	Test Engineer	Lucas Wang
Test Date	2024-06-13	Test Band	LTE Band 14

Channel Bandwidth (MHz)	Frequency (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK						
5	779.5	1	0	23.22	23.42	< 34.77
	782.0			23.38	23.58	< 34.77
	784.5			23.32	23.52	< 34.77
5	779.5	1	12	23.50	23.70	< 34.77
	782.0			23.23	23.43	< 34.77
	784.5			23.25	23.45	< 34.77
5	779.5	1	24	23.47	23.67	< 34.77
	782.0			23.08	23.28	< 34.77
	784.5			23.10	23.30	< 34.77
5	779.5	25	0	22.31	22.51	< 34.77
	782.0			22.24	22.44	< 34.77
	784.5			22.18	22.38	< 34.77
10	782.0	1	0	23.02	23.22	< 34.77
	782.0	1	24	23.25	23.45	< 34.77
	782.0	1	49	22.96	23.16	< 34.77
	782.0	50	0	22.29	22.49	< 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	21.63	21.83	< 34.77
	782.0			22.20	22.40	< 34.77
	784.5			22.16	22.36	< 34.77
5	779.5	1	12	22.45	22.65	< 34.77
	782.0			21.74	21.94	< 34.77
	784.5			21.79	21.99	< 34.77
5	779.5	1	24	22.20	22.40	< 34.77
	782.0			21.14	21.34	< 34.77
	784.5			21.66	21.86	< 34.77
5	779.5	25	0	21.19	21.39	< 34.77
	782.0			21.14	21.34	< 34.77
	784.5			21.21	21.41	< 34.77
10	782.0	1	0	21.99	22.19	< 34.77
	782.0	1	24	21.89	22.09	< 34.77
	782.0	1	49	21.87	22.07	< 34.77
	782.0	27	0	21.16	21.36	< 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)
64QAM						
5	779.5	1	0	22.13	22.33	< 34.77
	782.0			22.19	22.39	< 34.77
	784.5			22.08	22.28	< 34.77
5	779.5	1	12	22.34	22.54	< 34.77
	782.0			22.11	22.31	< 34.77
	784.5			22.06	22.26	< 34.77
5	779.5	1	24	22.26	22.46	< 34.77
	782.0			22.16	22.36	< 34.77
	784.5			21.71	21.91	< 34.77
5	779.5	25	0	21.38	21.58	< 34.77
	782.0			21.10	21.30	< 34.77
	784.5			21.08	21.28	< 34.77
10	782.0	1	0	22.31	22.51	< 34.77
	782.0	1	24	22.12	22.32	< 34.77
	782.0	1	49	22.13	22.33	< 34.77
	782.0	27	0	21.35	21.55	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15						

Appendix B - Test Setup Photograph

Refer to “2403RSU012-UT” file.

Appendix C - EUT Photograph

Refer to “2403RSU012-UE” file.

The End