RF MEASUREMENT REPORT

FCC ID:	2A2TS2021IG830
Application:	Honglink Wireless Solutions Co., Ltd.
Product:	LTE USB MODEM
Model No.:	IG830E
Brand Name:	DJI
FCC Rule Part(s):	Part 2, 22 (H), 24 (E), 27,90(S)
Result:	Complies
Test Date:	2022-06-28 ~ 2022-07-11

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.

Revision History

Report No.	Version	Description	Issue Date	Note
2204RSU028-U2	Rev. 01	Initial Report	2022-08-12	Invalid
2204RSU028-U2	Rev. 02	Added the ERP/EIRP test results of new antennas	2022-08-25	Valid

Note: This report is based on MRT report “2106RSU002” to modify the model number and add three antennas.

CONTENTS

1. General Information

1.1. Applicant

Honglink Wireless Solutions Co., Ltd.

Room 902, 9th Floor, Block J2C, Phase II, Innovation Industrial Park, High-tech Zone, Hefei, Anhui, China

1.2. Manufacturer

Honglink Wireless Solutions Co., Ltd.

Room 902, 9th Floor, Block J2C, Phase II, Innovation Industrial Park, High-tech Zone, Hefei, Anhui, China

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	
☐	**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: L3261-190725	
	FCC: 291082, TW3261	ISED: TW3261

1.4. Product Information

Product Name	LTE USB MODEM
Model No.	IG830E
Brand Name	DJI
IME I Code	864129060000264
Operating Temperature	-20 ~ 55 °C
Supply Voltage	4.5 ~ 5.5Vdc, typical 5Vdc
UMTS Band	Band 2, 4, 5
E-UTRA Band	FDD Band: 2, 4, 5, 7, 12, 13, 25, 26, 66, 71 TDD Band: 38, 41
EUT Type	Portable Device
Remark: 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 Test

UMTS Specification	
T_X Frequency Range:	Band 2: 1850 ~ 1910 MHz; Band 4: 1710 ~ 1755 MHz Band 5: 824 ~ 849 MHz;
R_X Frequency Range:	Band 2: 1930 ~ 1990 MHz; Band 4: 2110 ~ 2155 MHz Band 5: 869 ~ 894 MHz;
E-UTRA Specification	
FDD T_X Frequency Range:	Band 2: 1850 ~ 1910 MHz; Band 4: 1710 ~ 1755 MHz Band 5: 824 ~ 849 MHz; Band 7: 2500 ~ 2570 MHz Band 12: 699 ~ 716 MHz; Band 13: 777 ~ 787 MHz Band 26: 814 ~ 849 MHz; Band 66: 1710 ~ 1780 MHz Band 71: 663 ~ 698 MHz
FDD R_X Frequency Range:	Band 2: 1930 ~ 1990 MHz; Band 4: 2110 ~ 2155 MHz Band 5: 869 ~ 894 MHz; Band 7: 2620 ~ 2690 MHz Band 12: 729 ~ 746 MHz; Band 13: 746 ~ 756 MHz Band 26: 859 ~ 894 MHz; Band 66: 2110 ~ 2200 MHz Band 71: 617 ~ 652 MHz
TDD T_X & R_X Frequency Range:	Band 38: 2570 ~ 2620 MHz; Band 41: 2496 ~ 2690 MHz

Note: LTE band 26 transmit frequency for part 90 rule is 814 ~ 824MHz and part 22 rule is 824 ~ 849MHz. ERP over 15MHz bandwidth complies the ERP limit line of part 22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies.

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)		
			PM320	RM700	RM510
WCDMA Band 2	1850 ~ 1910	PIFA	0.72	0.87	-6.51
WCDMA Band 4	1710 ~ 1755		0.49	1.76	-6.73
WCDMA Band 5	824 ~ 849		-5.83	-1.54	-7.16
LTE Band 2	1850 ~ 1910		0.72	0.87	-6.51
LTE Band 4	1710 ~ 1755		0.49	1.76	-6.73
LTE Band 5	824 ~ 849		-5.83	-1.54	-7.16
LTE Band 7	2500 ~ 2570		2.27	2.70	-7.67
LTE Band 12	699 ~ 716		-6.43	-2.23	-10.15
LTE Band 13	777 ~ 787		-7.64	-0.74	-10.02
LTE Band 26	814~849		-5.83	-1.54	-7.16
LTE Band 38	2570 ~ 2620		2.41	2.49	-6.83
LTE Band 41	2496 ~ 2690		2.41	2.49	-6.83
LTE Band 66	1710 ~ 1780		0.55	1.76	-6.73
LTE Band 71	663 ~ 698		-6.43	-3.86	-10.15

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

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

1.8. Device Capabilities

This device contains the following capabilities:

Working on LTE Band 2, 4, 5, 7, 12, 13, 14, 25, 26, 30, 38, 41, 66.

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.

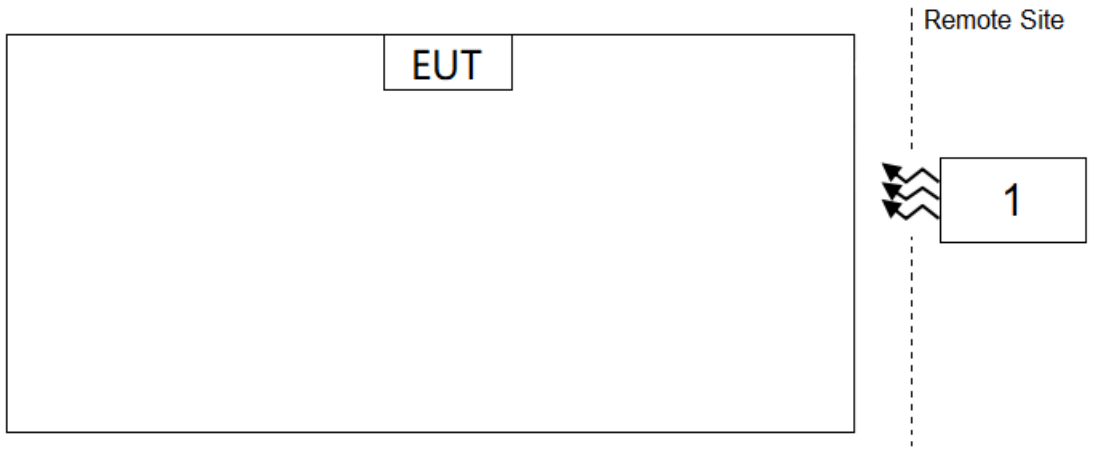
LTE Band 25 (1850 ~ 1915 MHz) overlaps the entire frequency range of LTE Band 2 (1850 ~ 1910 MHz). Therefore, test data provided in this report covers Band 2 as well as Band 25.

LTE Band 26 (814 ~ 849 MHz) overlaps the entire frequency range of LTE Band 5 (824 ~ 849 MHz). Therefore, test data provided in this report covers Band 5 as well as Band 26.

LTE Band 41 (2496 ~ 2690 MHz) overlaps the entire frequency range of LTE Band 38 (2570 ~ 2620 MHz). Therefore, test data provided in this report covers Band 38 as well as Band 41

2. Test Configuration

2.1. Test System Connection Diagram



Product		Manufacturer	Model No.
1	Wideband Radio Communication Tester	R&S	CMW 500

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
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2022-12-23	SIP-AC1
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2022-11-08	SIP-AC1
Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2022-08-05	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06616	1 year	2022-11-02	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06620	1 year	2022-11-28	SIP-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06645	1 year	2022-08-26	SIP-AC1
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2022-12-29	SIP-AC1/SIP-AC2/SIP-AC3
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2023-06-01	SIP-AC1/SIP-AC2/SIP-AC3
Preamplifier	EMCI	EMC001330	MRTSUE06643	1 year	2023-01-13	SIP-AC1/SIP-AC2/SIP-AC3
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2023-03-14	SIP-AC1/SIP-AC2/SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE07028	1 year	2022-12-09	SIP-AC1/SIP-AC2/SIP-AC3/SIP-TR1/SIP-TR2/SIP-SR1
Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2023-06-01	SIP-AC1/SIP-AC2/SIP-AC3/SIP-SR1
Signal Analyzer	Keysight	N9010B	MRTSUE06603	1 year	2022-10-31	SIP-AC1/SIP-AC2/SIP-AC3/SIP-SR1
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2022-09-07	SIP-AC1/SIP-AC2/SIP-AC3/SIP-SR1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06599	1 year	2022-10-20	SIP-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2022-10-11	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06623	1 year	2022-11-28	SIP-AC2
Thermohygrometer	testo	608-H1	MRTSUE06624	1 year	2022-11-28	SIP-AC2
Preamplifier	EMCI	EMC051845SE	MRTSUE06644	1 year	2022-11-08	SIP-AC2
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06647	1 year	2022-08-05	SIP-AC2
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2022-12-23	SIP-AC2

Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06648	1 year	2022-11-09	SIP-AC2/SIP-AC 4
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2023-06-08	SIP-AC3
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06598	1 year	2022-11-09	SIP-AC3
Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2022-09-12	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06619	1 year	2022-11-02	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06622	1 year	2022-11-28	SIP-AC3
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2023-01-13	SIP-AC3
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06646	1 year	2022-08-26	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2022-12-23	SIP-AC3

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software
Controller_MF 7802BS	1.02	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
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 9kHz ~ 300MHz: 5.04dB 300MHz ~ 1GHz: 4.95dB 1GHz ~ 40GHz: 6.40dB Vertical: 9kHz ~ 300MHz: 5.24dB 300MHz ~ 1GHz: 6.03dB 1GHz ~ 40GHz: 6.40dB

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Verdict
2.1053, 22.917(a) 24.238(a), 27.53(c) (f) (g) (h) 90.691(a)	Spurious Emissions (Band 2/25, 4/66, 5/26, 12, 13, 17, 71)	Radiated	Pass
27.53(m)	Spurious Emissions (Band 7, 38/41)		

Remark: 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 5/26:

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.

Band 2/25, 7, 38/41:

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 26:

The maximum output power of the transmitter for mobile stations is 100 watts (20dBw).

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.

5.2.2.Test Procedure

ANSI C63.26-2015 - Section 5.2

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

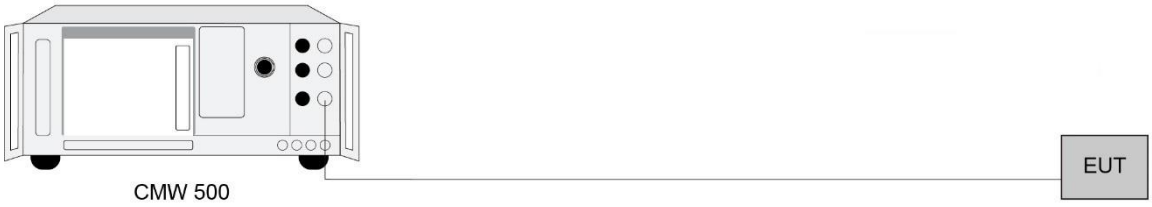
same units as P_{Meas}, e.g., dBm or dBW)

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	WCDMA Band II		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Band II Channel				Band II Channel		
		9263	9400	9537		9263	9400	9537
WCDMA R99	1	19.66	19.82	19.74	0.72	20.38	20.54	20.46
HSDPA	1	18.70	18.67	18.55	0.72	19.42	19.39	19.27
	2	18.62	18.69	18.64	0.72	19.34	19.41	19.36
	3	18.11	18.27	18.18	0.72	18.83	18.99	18.90
	4	18.08	18.28	18.19	0.72	18.80	19.00	18.91
HSUPA	1	18.89	19.07	18.93	0.72	19.61	19.79	19.65
	2	18.42	18.56	18.46	0.72	19.14	19.28	19.18
	3	18.93	19.06	18.86	0.72	19.65	19.78	19.58
	4	18.87	19.05	18.91	0.72	19.59	19.77	19.63
	5	18.87	18.97	18.78	0.72	19.59	19.69	19.50
Limit	33.01dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	WCDMA Band IV		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Band IV Channel				Band IV Channel		
		1313	1450	1512		1313	1450	1512
WCDMA R99	1	19.02	19.09	19.12	0.49	19.51	19.58	19.61
HSDPA	1	18.06	18.14	18.09	0.49	18.55	18.63	18.58
	2	18.17	18.22	18.14	0.49	18.66	18.71	18.63
	3	17.64	17.69	17.60	0.49	18.13	18.18	18.09
	4	17.67	17.65	17.61	0.49	18.16	18.14	18.10
HSUPA	1	18.04	18.12	18.00	0.49	18.53	18.61	18.49
	2	18.10	18.20	18.14	0.49	18.59	18.69	18.63
	3	17.79	17.69	17.63	0.49	18.28	18.18	18.12
	4	18.23	18.26	18.20	0.49	18.72	18.75	18.69
	5	17.92	17.71	17.64	0.49	18.41	18.20	18.13
Limit	30.00dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	WCDMA Band V		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	ERP (dBm)		
		Band V Channel				Band V Channel		
		4133	4175	4232		4133	4175	4232
WCDMA R99	1	23.54	23.53	23.62	-5.83	15.56	15.55	15.64
HSDPA	1	22.38	22.43	22.40	-5.83	14.40	14.45	14.42
	2	22.44	22.46	22.45	-5.83	14.46	14.48	14.47
	3	22.00	21.89	21.94	-5.83	14.02	13.91	13.96
	4	22.04	22.05	22.02	-5.83	14.06	14.07	14.04
HSUPA	1	22.56	22.49	22.51	-5.83	14.58	14.51	14.53
	2	21.94	21.96	22.00	-5.83	13.96	13.98	14.02
	3	22.60	22.53	22.54	-5.83	14.62	14.55	14.56
	4	22.56	22.58	22.59	-5.83	14.58	14.60	14.61
	5	22.60	22.52	22.49	-5.83	14.62	14.54	14.51
Limit	38.45dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 2/25		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26047	1850.70	1.4	1	0	19.84	20.56	< 33.01
26365	1882.50				19.72	20.44	< 33.01
26683	1914.30				19.72	20.44	< 33.01
26047	1850.70	1.4	1	2	19.87	20.59	< 33.01
26365	1882.50				19.74	20.46	< 33.01
26683	1914.30				19.88	20.60	< 33.01
26047	1850.70	1.4	1	5	19.98	20.70	< 33.01
26365	1882.50				19.82	20.54	< 33.01
26683	1914.30				19.87	20.59	< 33.01
26047	1850.70	1.4	6	0	18.83	19.55	< 33.01
26365	1882.50				18.74	19.46	< 33.01
26683	1914.30				18.82	19.54	< 33.01
26055	1851.50	3	1	0	19.87	20.59	< 33.01
26365	1882.50				19.85	20.57	< 33.01
26675	1913.50				19.87	20.59	< 33.01
26055	1851.50	3	1	7	20.14	20.86	< 33.01
26365	1882.50				19.85	20.57	< 33.01
26675	1913.50				19.94	20.66	< 33.01
26055	1851.50	3	1	14	20.07	20.79	< 33.01
26365	1882.50				19.73	20.45	< 33.01
26675	1913.50				19.80	20.52	< 33.01
26055	1851.50	3	15	0	18.99	19.71	< 33.01
26365	1882.50				18.82	19.54	< 33.01
26675	1913.50				18.83	19.55	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26065	1852.50	5	1	0	20.01	20.73	< 33.01
26365	1882.50				19.66	20.38	< 33.01
26665	1912.50				19.77	20.49	< 33.01
26065	1852.50	5	1	12	19.84	20.56	< 33.01
26365	1882.50				19.72	20.44	< 33.01
26665	1912.50				19.87	20.59	< 33.01
26065	1852.50	5	1	24	19.63	20.35	< 33.01
26365	1882.50				19.64	20.36	< 33.01
26665	1912.50				19.97	20.69	< 33.01
26065	1852.50	5	25	0	18.92	19.64	< 33.01
26365	1882.50				18.82	19.54	< 33.01
26665	1912.50				18.84	19.56	< 33.01
16390	1855.00	10	1	0	20.09	20.81	< 33.01
26365	1882.50				19.93	20.65	< 33.01
26640	1910.00				19.90	20.62	< 33.01
16390	1855.00	10	1	24	19.98	20.70	< 33.01
26365	1882.50				19.96	20.68	< 33.01
26640	1910.00				20.03	20.75	< 33.01
16390	1855.00	10	1	49	19.95	20.67	< 33.01
26365	1882.50				19.92	20.64	< 33.01
26640	1910.00				20.14	20.86	< 33.01
16390	1855.00	10	50	0	18.97	19.69	< 33.01
26365	1882.50				18.96	19.68	< 33.01
26640	1910.00				18.87	19.59	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26115	1857.50	15	1	0	19.82	20.54	< 33.01
26365	1882.50				19.81	20.53	< 33.01
26615	1907.50				20.13	20.85	< 33.01
26115	1857.50	15	1	37	19.75	20.47	< 33.01
26365	1882.50				19.96	20.68	< 33.01
26615	1907.50				20.04	20.76	< 33.01
26115	1857.50	15	1	74	19.78	20.50	< 33.01
26365	1882.50				19.94	20.66	< 33.01
26615	1907.50				20.33	21.05	< 33.01
26115	1857.50	15	75	0	18.92	19.64	< 33.01
26365	1882.50				18.81	19.53	< 33.01
26615	1907.50				18.97	19.69	< 33.01
26140	1860.00	20	1	0	19.61	20.33	< 33.01
26365	1882.50				19.87	20.59	< 33.01
26590	1905.00				19.26	19.98	< 33.01
26140	1860.00	20	1	49	19.27	19.99	< 33.01
26365	1882.50				19.73	20.45	< 33.01
26590	1905.00				19.37	20.09	< 33.01
26140	1860.00	20	1	99	19.17	19.89	< 33.01
26365	1882.50				19.69	20.41	< 33.01
26590	1905.00				19.31	20.03	< 33.01
26140	1860.00	20	100	0	18.82	19.54	< 33.01
26365	1882.50				18.60	19.32	< 33.01
26590	1905.00				18.70	19.42	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26047	1850.70	1.4	1	0	18.47	19.19	< 33.01
26365	1882.50				18.74	19.46	< 33.01
26683	1914.30				18.59	19.31	< 33.01
26047	1850.70	1.4	1	2	18.70	19.42	< 33.01
26365	1882.50				18.86	19.58	< 33.01
26683	1914.30				18.59	19.31	< 33.01
26047	1850.70	1.4	1	5	18.91	19.63	< 33.01
26365	1882.50				18.78	19.50	< 33.01
26683	1914.30				18.65	19.37	< 33.01
26047	1850.70	1.4	6	0	17.33	18.05	< 33.01
26365	1882.50				17.38	18.10	< 33.01
26683	1914.30				17.23	17.95	< 33.01
26055	1851.50	3	1	0	18.87	19.59	< 33.01
26365	1882.50				18.38	19.10	< 33.01
26675	1913.50				18.82	19.54	< 33.01
26055	1851.50	3	1	7	19.14	19.86	< 33.01
26365	1882.50				18.91	19.63	< 33.01
26675	1913.50				18.97	19.69	< 33.01
26055	1851.50	3	1	14	18.91	19.63	< 33.01
26365	1882.50				18.76	19.48	< 33.01
26675	1913.50				18.77	19.49	< 33.01
26055	1851.50	3	15	0	17.69	18.41	< 33.01
26365	1882.50				17.34	18.06	< 33.01
26675	1913.50				17.46	18.18	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26065	1852.50	5	1	0	18.63	19.35	< 33.01
26365	1882.50				18.01	18.73	< 33.01
26665	1912.50				18.55	19.27	< 33.01
26065	1852.50	5	1	12	18.70	19.42	< 33.01
26365	1882.50				18.48	19.20	< 33.01
26665	1912.50				18.51	19.23	< 33.01
26065	1852.50	5	1	24	18.51	19.23	< 33.01
26365	1882.50				17.69	18.41	< 33.01
26665	1912.50				18.54	19.26	< 33.01
26065	1852.50	5	25	0	17.77	18.49	< 33.01
26365	1882.50				17.44	18.16	< 33.01
26665	1912.50				17.49	18.21	< 33.01
16390	1855.00	10	1	0	18.93	19.65	< 33.01
26365	1882.50				18.96	19.68	< 33.01
26640	1910.00				18.36	19.08	< 33.01
16390	1855.00	10	1	24	18.82	19.54	< 33.01
26365	1882.50				19.00	19.72	< 33.01
26640	1910.00				18.96	19.68	< 33.01
16390	1855.00	10	1	49	18.30	19.02	< 33.01
26365	1882.50				19.03	19.75	< 33.01
26640	1910.00				19.06	19.78	< 33.01
16390	1855.00	10	50	0	17.57	18.29	< 33.01
26365	1882.50				17.65	18.37	< 33.01
26640	1910.00				17.66	18.38	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26115	1857.50	15	1	0	18.73	19.45	< 33.01
26365	1882.50				19.08	19.80	< 33.01
26615	1907.50				18.65	19.37	< 33.01
26115	1857.50	15	1	37	18.80	19.52	< 33.01
26365	1882.50				18.97	19.69	< 33.01
26615	1907.50				19.25	19.97	< 33.01
26115	1857.50	15	1	74	18.80	19.52	< 33.01
26365	1882.50				19.18	19.90	< 33.01
26615	1907.50				18.69	19.41	< 33.01
26115	1857.50	15	75	0	17.65	18.37	< 33.01
26365	1882.50				17.55	18.27	< 33.01
26615	1907.50				17.74	18.46	< 33.01
26140	1860.00	20	1	0	18.77	19.49	< 33.01
26365	1882.50				18.57	19.29	< 33.01
26590	1905.00				18.38	19.10	< 33.01
26140	1860.00	20	1	49	18.43	19.15	< 33.01
26365	1882.50				18.24	18.96	< 33.01
26590	1905.00				18.53	19.25	< 33.01
26140	1860.00	20	1	99	18.43	19.15	< 33.01
26365	1882.50				18.09	18.81	< 33.01
26590	1905.00				18.48	19.20	< 33.01
26140	1860.00	20	100	0	17.49	18.21	< 33.01
26365	1882.50				17.41	18.13	< 33.01
26590	1905.00				17.48	18.20	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 4/66		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131979	1710.70	1.4	1	0	18.90	19.39	< 30.00
132322	1745.00				18.88	19.37	< 30.00
132665	1779.30				18.69	19.18	< 30.00
131979	1710.70	1.4	1	2	18.06	18.55	< 30.00
132322	1745.00				19.10	19.59	< 30.00
132665	1779.30				18.98	19.47	< 30.00
131979	1710.70	1.4	1	5	19.03	19.52	< 30.00
132322	1745.00				18.93	19.42	< 30.00
132665	1779.30				19.03	19.52	< 30.00
131979	1710.70	1.4	6	0	18.13	18.62	< 30.00
132322	1745.00				17.90	18.39	< 30.00
132665	1779.30				17.98	18.47	< 30.00
131987	1711.50	3	1	0	18.95	19.44	< 30.00
132322	1745.00				19.00	19.49	< 30.00
132657	1778.50				18.69	19.18	< 30.00
131987	1711.50	3	1	7	19.12	19.61	< 30.00
132322	1745.00				19.22	19.71	< 30.00
132657	1778.50				19.11	19.60	< 30.00
131987	1711.50	3	1	14	19.10	19.59	< 30.00
132322	1745.00				18.97	19.46	< 30.00
132657	1778.50				19.04	19.53	< 30.00
131987	1711.50	3	15	0	18.09	18.58	< 30.00
132322	1745.00				17.96	18.45	< 30.00
132657	1778.50				17.88	18.37	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131997	1712.50	5	1	0	18.92	19.41	< 30.00
132322	1745.00				18.90	19.39	< 30.00
132647	1777.50				18.99	19.48	< 30.00
131997	1712.50	5	1	12	18.88	19.37	< 30.00
132322	1745.00				19.04	19.53	< 30.00
132647	1777.50				19.00	19.49	< 30.00
131997	1712.50	5	1	24	19.04	19.53	< 30.00
132322	1745.00				18.87	19.36	< 30.00
132647	1777.50				19.13	19.62	< 30.00
131997	1712.50	5	25	0	18.11	18.60	< 30.00
132322	1745.00				17.95	18.44	< 30.00
132647	1777.50				17.95	18.44	< 30.00
132022	1715.00	10	1	0	19.05	19.54	< 30.00
132322	1745.00				18.91	19.40	< 30.00
132622	1775.00				19.00	19.49	< 30.00
132022	1715.00	10	1	24	19.14	19.63	< 30.00
132322	1745.00				19.25	19.74	< 30.00
132622	1775.00				19.44	19.93	< 30.00
132022	1715.00	10	1	49	19.03	19.52	< 30.00
132322	1745.00				18.85	19.34	< 30.00
132622	1775.00				19.25	19.74	< 30.00
132022	1715.00	10	50	0	18.07	18.56	< 30.00
132322	1745.00				18.00	18.49	< 30.00
132622	1775.00				17.87	18.36	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
132047	1717.50	15	1	0	19.12	19.61	< 30.00
132322	1745.00				19.06	19.55	< 30.00
132597	1772.50				18.93	19.42	< 30.00
132047	1717.50	15	1	37	19.45	19.94	< 30.00
132322	1745.00				19.26	19.75	< 30.00
132597	1772.50				19.04	19.53	< 30.00
132047	1717.50	15	1	74	19.32	19.81	< 30.00
132322	1745.00				18.94	19.43	< 30.00
132597	1772.50				19.07	19.56	< 30.00
132047	1717.50	15	75	0	18.10	18.59	< 30.00
132322	1745.00				17.89	18.38	< 30.00
132597	1772.50				17.87	18.36	< 30.00
132072	1720.00	20	1	0	19.00	19.49	< 30.00
132322	1745.00				19.00	19.49	< 30.00
132572	1770.00				19.50	19.99	< 30.00
132072	1720.00	20	1	49	18.50	18.99	< 30.00
132322	1745.00				19.00	19.49	< 30.00
132572	1770.00				19.00	19.49	< 30.00
132072	1720.00	20	1	99	19.00	19.49	< 30.00
132322	1745.00				19.00	19.49	< 30.00
132572	1770.00				19.50	19.99	< 30.00
132072	1720.00	20	100	0	18.50	18.99	< 30.00
132322	1745.00				18.00	18.49	< 30.00
132572	1770.00				18.50	18.99	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131979	1710.70	1.4	1	0	18.09	18.58	< 30.00
132322	1745.00				18.13	18.62	< 30.00
132665	1779.30				18.03	18.52	< 30.00
131979	1710.70	1.4	1	2	18.07	18.56	< 30.00
132322	1745.00				18.38	18.87	< 30.00
132665	1779.30				18.02	18.51	< 30.00
131979	1710.70	1.4	1	5	18.26	18.75	< 30.00
132322	1745.00				18.22	18.71	< 30.00
132665	1779.30				18.01	18.50	< 30.00
131979	1710.70	1.4	6	0	17.04	17.53	< 30.00
132322	1745.00				17.13	17.62	< 30.00
132665	1779.30				17.14	17.63	< 30.00
131987	1711.50	3	1	0	18.18	18.67	< 30.00
132322	1745.00				18.32	18.81	< 30.00
132657	1778.50				18.03	18.52	< 30.00
131987	1711.50	3	1	7	18.06	18.55	< 30.00
132322	1745.00				18.42	18.91	< 30.00
132657	1778.50				18.28	18.77	< 30.00
131987	1711.50	3	1	14	18.19	18.68	< 30.00
132322	1745.00				18.18	18.67	< 30.00
132657	1778.50				18.18	18.67	< 30.00
131987	1711.50	3	15	0	17.13	17.62	< 30.00
132322	1745.00				16.98	17.47	< 30.00
132657	1778.50				16.92	17.41	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131997	1712.50	5	1	0	18.02	18.51	< 30.00
132322	1745.00				18.16	18.65	< 30.00
132647	1777.50				17.80	18.29	< 30.00
131997	1712.50	5	1	12	17.95	18.44	< 30.00
132322	1745.00				18.10	18.59	< 30.00
132647	1777.50				17.93	18.42	< 30.00
131997	1712.50	5	1	24	17.99	18.48	< 30.00
132322	1745.00				17.58	18.07	< 30.00
132647	1777.50				17.98	18.47	< 30.00
131997	1712.50	5	25	0	17.29	17.78	< 30.00
132322	1745.00				16.98	17.47	< 30.00
132647	1777.50				17.11	17.60	< 30.00
132022	1715.00	10	1	0	18.43	18.92	< 30.00
132322	1745.00				18.38	18.87	< 30.00
132622	1775.00				18.19	18.68	< 30.00
132022	1715.00	10	1	24	18.42	18.91	< 30.00
132322	1745.00				18.71	19.20	< 30.00
132622	1775.00				18.71	19.20	< 30.00
132022	1715.00	10	1	49	18.32	18.81	< 30.00
132322	1745.00				18.25	18.74	< 30.00
132622	1775.00				18.78	19.27	< 30.00
132022	1715.00	10	50	0	17.04	17.53	< 30.00
132322	1745.00				16.86	17.35	< 30.00
132622	1775.00				16.88	17.37	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
132047	1717.50	15	1	0	18.11	18.60	< 30.00
132322	1745.00				18.07	18.56	< 30.00
132597	1772.50				18.01	18.50	< 30.00
132047	1717.50	15	1	37	18.68	19.17	< 30.00
132322	1745.00				18.51	19.00	< 30.00
132597	1772.50				18.51	19.00	< 30.00
132047	1717.50	15	1	74	18.11	18.60	< 30.00
132322	1745.00				17.41	17.90	< 30.00
132597	1772.50				17.99	18.48	< 30.00
132047	1717.50	15	75	0	17.22	17.71	< 30.00
132322	1745.00				16.88	17.37	< 30.00
132597	1772.50				17.03	17.52	< 30.00
132072	1720.00	20	1	0	17.83	18.32	< 30.00
132322	1745.00				18.07	18.56	< 30.00
132572	1770.00				18.53	19.02	< 30.00
132072	1720.00	20	1	49	17.47	17.96	< 30.00
132322	1745.00				17.95	18.44	< 30.00
132572	1770.00				17.94	18.43	< 30.00
132072	1720.00	20	1	99	18.03	18.52	< 30.00
132322	1745.00				17.47	17.96	< 30.00
132572	1770.00				18.51	19.00	< 30.00
132072	1720.00	20	100	0	17.05	17.54	< 30.00
132322	1745.00				16.90	17.39	< 30.00
132572	1770.00				16.98	17.47	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 5/26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26797	824.70	1.4	1	0	23.15	15.17	< 38.45
26915	836.50				23.15	15.17	< 38.45
27033	848.30				23.08	15.10	< 38.45
26797	824.70	1.4	1	2	23.26	15.28	< 38.45
26915	836.50				23.20	15.22	< 38.45
27033	848.30				23.37	15.39	< 38.45
26797	824.70	1.4	1	5	23.21	15.23	< 38.45
26915	836.50				23.15	15.17	< 38.45
27033	848.30				23.17	15.19	< 38.45
26797	824.70	1.4	6	0	22.20	14.22	< 38.45
26915	836.50				22.14	14.16	< 38.45
27033	848.30				22.31	14.33	< 38.45
26805	825.50	3	1	0	23.27	15.29	< 38.45
26915	836.50				23.24	15.26	< 38.45
27015	846.50				23.10	15.12	< 38.45
26805	825.50	3	1	7	23.48	15.50	< 38.45
26915	836.50				23.38	15.40	< 38.45
27015	846.50				23.28	15.30	< 38.45
26805	825.50	3	1	14	23.18	15.20	< 38.45
26915	836.50				23.24	15.26	< 38.45
27015	846.50				23.24	15.26	< 38.45
26805	825.50	3	15	0	22.03	14.05	< 38.45
26915	836.50				22.31	14.33	< 38.45
27015	846.50				22.22	14.24	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26815	826.50	5	1	0	23.06	15.08	< 38.45
26915	836.50				23.29	15.31	< 38.45
27015	846.50				23.22	15.24	< 38.45
26815	826.50	5	1	12	23.40	15.42	< 38.45
26915	836.50				23.26	15.28	< 38.45
27015	846.50				23.45	15.47	< 38.45
26815	826.50	5	1	24	23.04	15.06	< 38.45
26915	836.50				23.13	15.15	< 38.45
27015	846.50				23.11	15.13	< 38.45
26815	826.50	5	25	0	22.18	14.20	< 38.45
26915	836.50				22.23	14.25	< 38.45
27015	846.50				22.24	14.26	< 38.45
26840	829.00	10	1	0	23.17	15.19	< 38.45
26915	836.50				23.42	15.44	< 38.45
26990	844.00				23.08	15.10	< 38.45
26840	829.00	10	1	24	23.70	15.72	< 38.45
26915	836.50				23.51	15.53	< 38.45
26990	844.00				23.46	15.48	< 38.45
26840	829.00	10	1	49	23.36	15.38	< 38.45
26915	836.50				23.26	15.28	< 38.45
26990	844.00				23.22	15.24	< 38.45
26840	829.00	10	50	0	22.25	14.27	< 38.45
26915	836.50				22.22	14.24	< 38.45
26990	844.00				22.21	14.23	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26797	824.70	1.4	1	0	22.17	14.19	< 38.45
26915	836.50				22.24	14.26	< 38.45
27033	848.30				22.07	14.09	< 38.45
26797	824.70	1.4	1	2	21.82	13.84	< 38.45
26915	836.50				22.18	14.20	< 38.45
27033	848.30				22.19	14.21	< 38.45
26797	824.70	1.4	1	5	22.17	14.19	< 38.45
26915	836.50				22.34	14.36	< 38.45
27033	848.30				22.06	14.08	< 38.45
26797	824.70	1.4	6	0	20.81	12.83	< 38.45
26915	836.50				21.05	13.07	< 38.45
27033	848.30				21.00	13.02	< 38.45
26805	825.50	3	1	0	22.14	14.16	< 38.45
26915	836.50				22.33	14.35	< 38.45
27015	846.50				21.43	13.45	< 38.45
26805	825.50	3	1	7	22.42	14.44	< 38.45
26915	836.50				22.30	14.32	< 38.45
27015	846.50				22.14	14.16	< 38.45
26805	825.50	3	1	14	21.94	13.96	< 38.45
26915	836.50				22.15	14.17	< 38.45
27015	846.50				22.15	14.17	< 38.45
26805	825.50	3	15	0	20.63	12.65	< 38.45
26915	836.50				21.04	13.06	< 38.45
27015	846.50				21.02	13.04	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26815	826.50	5	1	0	21.78	13.80	< 38.45
26915	836.50				22.23	14.25	< 38.45
27015	846.50				21.45	13.47	< 38.45
26815	826.50	5	1	12	22.00	14.02	< 38.45
26915	836.50				21.93	13.95	< 38.45
27015	846.50				22.06	14.08	< 38.45
26815	826.50	5	1	24	21.77	13.79	< 38.45
26915	836.50				22.12	14.14	< 38.45
27015	846.50				21.72	13.74	< 38.45
26815	826.50	5	25	0	20.99	13.01	< 38.45
26915	836.50				21.00	13.02	< 38.45
27015	846.50				21.19	13.21	< 38.45
26840	829.00	10	1	0	22.27	14.29	< 38.45
26915	836.50				22.00	14.02	< 38.45
26990	844.00				22.27	14.29	< 38.45
26840	829.00	10	1	24	22.73	14.75	< 38.45
26915	836.50				22.21	14.23	< 38.45
26990	844.00				22.48	14.50	< 38.45
26840	829.00	10	1	49	22.55	14.57	< 38.45
26915	836.50				21.73	13.75	< 38.45
26990	844.00				22.38	14.40	< 38.45
26840	829.00	10	50	0	21.10	13.12	< 38.45
26915	836.50				20.89	12.91	< 38.45
26990	844.00				21.01	13.03	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 7		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20775	2502.50	5	1	0	22.72	24.99	< 33.01
21100	2535.00				22.76	25.03	< 33.01
21425	2567.50				22.77	25.04	< 33.01
20775	2502.50	5	1	12	23.08	25.35	< 33.01
21100	2535.00				22.97	25.24	< 33.01
21425	2567.50				23.05	25.32	< 33.01
20775	2502.50	5	1	24	22.85	25.12	< 33.01
21100	2535.00				22.59	24.86	< 33.01
21425	2567.50				22.87	25.14	< 33.01
20775	2502.50	5	25	0	21.89	24.16	< 33.01
21100	2535.00				21.75	24.02	< 33.01
21425	2567.50				21.92	24.19	< 33.01
20800	2505.00	10	1	0	22.70	24.97	< 33.01
21100	2535.00				22.63	24.90	< 33.01
21400	2565.00				22.72	24.99	< 33.01
20800	2505.00	10	1	24	23.29	25.56	< 33.01
21100	2535.00				23.13	25.40	< 33.01
21400	2565.00				23.34	25.61	< 33.01
20800	2505.00	10	1	49	22.56	24.83	< 33.01
21100	2535.00				22.54	24.81	< 33.01
21400	2565.00				22.71	24.98	< 33.01
20800	2505.00	10	50	0	21.88	24.15	< 33.01
21100	2535.00				21.75	24.02	< 33.01
21400	2565.00				21.94	24.21	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20825	2507.50	15	1	0	22.97	25.24	< 33.01
21100	2535.00				22.62	24.89	< 33.01
21375	2562.50				23.06	25.33	< 33.01
20825	2507.50	15	1	37	23.16	25.43	< 33.01
21100	2535.00				23.11	25.38	< 33.01
21375	2562.50				23.22	25.49	< 33.01
20825	2507.50	15	1	74	22.77	25.04	< 33.01
21100	2535.00				22.68	24.95	< 33.01
21375	2562.50				22.74	25.01	< 33.01
20825	2507.50	15	75	0	21.79	24.06	< 33.01
21100	2535.00				21.78	24.05	< 33.01
21375	2562.50				22.01	24.28	< 33.01
20850	2510.00	20	1	0	22.60	24.87	< 33.01
21100	2535.00				22.58	24.85	< 33.01
21350	2560.00				22.73	25.00	< 33.01
20850	2510.00	20	1	49	23.10	25.37	< 33.01
21100	2535.00				23.18	25.45	< 33.01
21350	2560.00				22.98	25.25	< 33.01
20850	2510.00	20	1	99	22.36	24.63	< 33.01
21100	2535.00				22.38	24.65	< 33.01
21350	2560.00				22.55	24.82	< 33.01
20850	2510.00	20	100	0	21.70	23.97	< 33.01
21100	2535.00				21.69	23.96	< 33.01
21350	2560.00				21.90	24.17	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20775	2502.50	5	1	0	21.79	24.06	< 33.01
21100	2535.00				21.77	24.04	< 33.01
21425	2567.50				21.89	24.16	< 33.01
20775	2502.50	5	1	12	21.97	24.24	< 33.01
21100	2535.00				22.09	24.36	< 33.01
21425	2567.50				21.88	24.15	< 33.01
20775	2502.50	5	1	24	22.11	24.38	< 33.01
21100	2535.00				21.63	23.90	< 33.01
21425	2567.50				21.86	24.13	< 33.01
20775	2502.50	5	25	0	20.80	23.07	< 33.01
21100	2535.00				20.68	22.95	< 33.01
21425	2567.50				21.18	23.45	< 33.01
20800	2505.00	10	1	0	21.50	23.77	< 33.01
21100	2535.00				22.00	24.27	< 33.01
21400	2565.00				21.83	24.10	< 33.01
20800	2505.00	10	1	24	22.27	24.54	< 33.01
21100	2535.00				22.36	24.63	< 33.01
21400	2565.00				22.38	24.65	< 33.01
20800	2505.00	10	1	49	21.43	23.70	< 33.01
21100	2535.00				21.71	23.98	< 33.01
21400	2565.00				21.84	24.11	< 33.01
20800	2505.00	10	50	0	21.04	23.31	< 33.01
21100	2535.00				21.08	23.35	< 33.01
21400	2565.00				20.85	23.12	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20825	2507.50	15	1	0	21.98	24.25	< 33.01
21100	2535.00				21.63	23.90	< 33.01
21375	2562.50				21.98	24.25	< 33.01
20825	2507.50	15	1	37	21.88	24.15	< 33.01
21100	2535.00				22.08	24.35	< 33.01
21375	2562.50				22.19	24.46	< 33.01
20825	2507.50	15	1	74	21.71	23.98	< 33.01
21100	2535.00				21.58	23.85	< 33.01
21375	2562.50				21.76	24.03	< 33.01
20825	2507.50	15	75	0	20.71	22.98	< 33.01
21100	2535.00				20.85	23.12	< 33.01
21375	2562.50				20.98	23.25	< 33.01
20850	2510.00	20	1	0	21.80	24.07	< 33.01
21100	2535.00				21.60	23.87	< 33.01
21350	2560.00				21.85	24.12	< 33.01
20850	2510.00	20	1	49	21.98	24.25	< 33.01
21100	2535.00				21.93	24.20	< 33.01
21350	2560.00				21.95	24.22	< 33.01
20850	2510.00	20	1	99	21.43	23.70	< 33.01
21100	2535.00				21.45	23.72	< 33.01
21350	2560.00				21.58	23.85	< 33.01
20850	2510.00	20	100	0	20.85	23.12	< 33.01
21100	2535.00				20.68	22.95	< 33.01
21350	2560.00				20.88	23.15	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 12		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23017	699.7	1.4	1	0	23.20	14.62	< 44.77
23095	707.5				23.30	14.72	< 44.77
23173	715.3				23.19	14.61	< 44.77
23017	699.7	1.4	1	2	23.32	14.74	< 44.77
23095	707.5				23.39	14.81	< 44.77
23173	715.3				23.20	14.62	< 44.77
23017	699.7	1.4	1	5	23.30	14.72	< 44.77
23095	707.5				23.28	14.70	< 44.77
23173	715.3				23.12	14.54	< 44.77
23017	699.7	1.4	6	0	22.38	13.80	< 44.77
23095	707.5				22.35	13.77	< 44.77
23173	715.3				22.36	13.78	< 44.77
23025	700.5	3	1	0	23.09	14.51	< 44.77
23095	707.5				23.12	14.54	< 44.77
23165	714.5				23.10	14.52	< 44.77
23025	700.5	3	1	7	23.65	15.07	< 44.77
23095	707.5				23.27	14.69	< 44.77
23165	714.5				23.11	14.53	< 44.77
23025	700.5	3	1	14	23.10	14.52	< 44.77
23095	707.5				23.09	14.51	< 44.77
23165	714.5				23.11	14.53	< 44.77
23025	700.5	3	15	0	22.30	13.72	< 44.77
23095	707.5				22.32	13.74	< 44.77
23165	714.5				22.29	13.71	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23035	701.5	5	1	0	23.03	14.45	< 44.77
23095	707.5				23.29	14.71	< 44.77
23155	713.5				22.76	14.18	< 44.77
23035	701.5	5	1	12	23.55	14.97	< 44.77
23095	707.5				23.38	14.80	< 44.77
23155	713.5				23.18	14.60	< 44.77
23035	701.5	5	1	24	23.34	14.76	< 44.77
23095	707.5				23.01	14.43	< 44.77
23155	713.5				23.04	14.46	< 44.77
23035	701.5	5	25	0	22.34	13.76	< 44.77
23095	707.5				22.34	13.76	< 44.77
23155	713.5				22.22	13.64	< 44.77
23060	704.0	10	1	0	23.25	14.67	< 44.77
23095	707.5				23.04	14.46	< 44.77
23130	711.0				23.11	14.53	< 44.77
23060	704.0	10	1	24	23.58	15.00	< 44.77
23095	707.5				23.43	14.85	< 44.77
23130	711.0				23.48	14.90	< 44.77
23060	704.0	10	1	49	23.04	14.46	< 44.77
23095	707.5				22.85	14.27	< 44.77
23130	711.0				22.99	14.41	< 44.77
23060	704.0	10	50	0	22.32	13.74	< 44.77
23095	707.5				22.33	13.75	< 44.77
23130	711.0				22.41	13.83	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23017	699.7	1.4	1	0	22.04	13.46	< 44.77
23095	707.5				22.67	14.09	< 44.77
23173	715.3				22.31	13.73	< 44.77
23017	699.7	1.4	1	2	22.53	13.95	< 44.77
23095	707.5				22.65	14.07	< 44.77
23173	715.3				22.41	13.83	< 44.77
23017	699.7	1.4	1	5	22.59	14.01	< 44.77
23095	707.5				22.43	13.85	< 44.77
23173	715.3				22.40	13.82	< 44.77
23017	699.7	1.4	6	0	20.99	12.41	< 44.77
23095	707.5				21.21	12.63	< 44.77
23173	715.3				21.31	12.73	< 44.77
23025	700.5	3	1	0	22.18	13.60	< 44.77
23095	707.5				22.45	13.87	< 44.77
23165	714.5				22.33	13.75	< 44.77
23025	700.5	3	1	7	22.40	13.82	< 44.77
23095	707.5				22.49	13.91	< 44.77
23165	714.5				22.68	14.10	< 44.77
23025	700.5	3	1	14	22.45	13.87	< 44.77
23095	707.5				22.45	13.87	< 44.77
23165	714.5				22.53	13.95	< 44.77
23025	700.5	3	15	0	21.31	12.73	< 44.77
23095	707.5				21.23	12.65	< 44.77
23165	714.5				21.23	12.65	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23035	701.5	5	1	0	22.13	13.55	< 44.77
23095	707.5				22.33	13.75	< 44.77
23155	713.5				21.95	13.37	< 44.77
23035	701.5	5	1	12	22.33	13.75	< 44.77
23095	707.5				22.35	13.77	< 44.77
23155	713.5				22.09	13.51	< 44.77
23035	701.5	5	1	24	21.90	13.32	< 44.77
23095	707.5				22.09	13.51	< 44.77
23155	713.5				21.95	13.37	< 44.77
23035	701.5	5	25	0	21.04	12.46	< 44.77
23095	707.5				21.21	12.63	< 44.77
23155	713.5				21.29	12.71	< 44.77
23060	704.0	10	1	0	22.44	13.86	< 44.77
23095	707.5				22.34	13.76	< 44.77
23130	711.0				22.03	13.45	< 44.77
23060	704.0	10	1	24	22.47	13.89	< 44.77
23095	707.5				22.39	13.81	< 44.77
23130	711.0				22.52	13.94	< 44.77
23060	704.0	10	1	49	21.90	13.32	< 44.77
23095	707.5				22.19	13.61	< 44.77
23130	711.0				21.93	13.35	< 44.77
23060	704.0	10	50	0	20.99	12.41	< 44.77
23095	707.5				21.02	12.44	< 44.77
23130	711.0				21.24	12.66	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 13		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23205	779.5	5	1	0	23.22	13.43	< 44.77
23230	782.0				23.24	13.45	< 44.77
23255	784.5				23.18	13.39	< 44.77
23205	779.5	5	1	12	23.87	14.08	< 44.77
23230	782.0				23.52	13.73	< 44.77
23255	784.5				23.26	13.47	< 44.77
23205	779.5	5	1	24	23.57	13.78	< 44.77
23230	782.0				23.23	13.44	< 44.77
23255	784.5				23.15	13.36	< 44.77
23205	779.5	5	25	0	22.48	12.69	< 44.77
23230	782.0				22.42	12.63	< 44.77
23255	784.5				22.37	12.58	< 44.77
23230	782.0	10	1	0	23.12	13.33	< 44.77
23230	782.0		1	24	23.80	14.01	< 44.77
23230	782.0		1	49	23.22	13.43	< 44.77
23230	782.0		50	0	22.46	12.67	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23205	779.5	5	1	0	22.28	12.49	< 44.77
23230	782.0				22.68	12.89	< 44.77
23255	784.5				22.38	12.59	< 44.77
23205	779.5	5	1	12	22.71	12.92	< 44.77
23230	782.0				22.94	13.15	< 44.77
23255	784.5				22.38	12.59	< 44.77
23205	779.5	5	1	24	22.40	12.61	< 44.77
23230	782.0				22.56	12.77	< 44.77
23255	784.5				22.24	12.45	< 44.77
23205	779.5	5	25	0	21.88	12.09	< 44.77
23230	782.0				21.74	11.95	< 44.77
23255	784.5				21.76	11.97	< 44.77
23230	782.0	10	1	0	22.80	13.01	< 44.77
23230	782.0		1	24	22.84	13.05	< 44.77
23230	782.0		1	49	22.44	12.65	< 44.77
23230	782.0		50	0	21.62	11.83	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	USB Dongle	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
QPSK							
26697	814.7	1.4	1	0	23.16	0.2070	< 100
26740	819.0				23.58	0.2280	< 100
26783	823.3				23.57	0.2275	< 100
26697	814.7	1.4	1	2	23.42	0.2198	< 100
26740	819.0				23.50	0.2239	< 100
26783	823.3				23.20	0.2089	< 100
26697	814.7	1.4	1	6	23.36	0.2168	< 100
26740	819.0				23.34	0.2158	< 100
26783	823.3				23.05	0.2018	< 100
26697	814.7	1.4	6	0	22.30	0.1698	< 100
26740	819.0				22.34	0.1714	< 100
26783	823.3				22.28	0.1690	< 100
26705	815.5	3	1	0	23.49	0.2234	< 100
26740	819.0				23.32	0.2148	< 100
26775	822.5				23.21	0.2094	< 100
26705	815.5	3	1	7	23.13	0.2056	< 100
26740	819.0				23.56	0.2270	< 100
26775	822.5				23.45	0.2213	< 100
26705	815.5	3	1	14	23.24	0.2109	< 100
26740	819.0				23.48	0.2228	< 100
26775	822.5				23.24	0.2109	< 100
26705	815.5	3	15	0	22.22	0.1667	< 100
26740	819.0				22.38	0.1730	< 100
26775	822.5				22.38	0.1730	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
QPSK							
26715	816.5	5	1	0	23.18	0.2080	< 100
26740	819.0				23.17	0.2075	< 100
26765	821.5				23.35	0.2163	< 100
26715	816.5	5	1	12	23.28	0.2128	< 100
26740	819.0				23.16	0.2070	< 100
26765	821.5				23.27	0.2123	< 100
26715	816.5	5	1	24	23.37	0.2173	< 100
26740	819.0				23.30	0.2138	< 100
26765	821.5				23.13	0.2056	< 100
26715	816.5	5	25	0	22.37	0.1726	< 100
26740	819.0				22.38	0.1730	< 100
26765	821.5				22.37	0.1726	< 100
26740	819.0	10	1	0	23.25	0.2113	< 100
			1	24	23.20	0.2089	< 100
			1	49	23.26	0.2118	< 100
			50	0	22.50	0.1778	< 100
26765	821.5	15	1	0	23.46	0.2218	< 100
			1	36	23.76	0.2377	< 100
			1	74	23.47	0.2223	< 100
			75	0	22.36	0.1722	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
16QAM							
26697	814.7	1.4	1	0	22.33	0.1710	< 100
26740	819.0				22.61	0.1824	< 100
26783	823.3				22.40	0.1738	< 100
26697	814.7	1.4	1	2	22.82	0.1914	< 100
26740	819.0				22.44	0.1754	< 100
26783	823.3				22.21	0.1663	< 100
26697	814.7	1.4	1	6	22.91	0.1954	< 100
26740	819.0				22.55	0.1799	< 100
26783	823.3				22.01	0.1589	< 100
26697	814.7	1.4	6	0	21.36	0.1368	< 100
26740	819.0				21.42	0.1387	< 100
26783	823.3				21.34	0.1361	< 100
26705	815.5	3	1	0	22.81	0.1910	< 100
26740	819.0				21.98	0.1578	< 100
26775	822.5				22.45	0.1758	< 100
26705	815.5	3	1	7	22.71	0.1866	< 100
26740	819.0				22.48	0.1770	< 100
26775	822.5				22.57	0.1807	< 100
26705	815.5	3	1	14	23.35	0.2163	< 100
26740	819.0				22.34	0.1714	< 100
26775	822.5				22.63	0.1832	< 100
26705	815.5	3	15	0	21.20	0.1318	< 100
26740	819.0				21.46	0.1400	< 100
26775	822.5				21.46	0.1400	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
16QAM							
26715	816.5	5	1	0	22.54	0.1795	< 100
26740	819.0				22.05	0.1603	< 100
26765	821.5				21.47	0.1403	< 100
26715	816.5	5	1	12	22.63	0.1832	< 100
26740	819.0				22.16	0.1644	< 100
26765	821.5				21.86	0.1535	< 100
26715	816.5	5	1	24	22.95	0.1972	< 100
26740	819.0				22.29	0.1694	< 100
26765	821.5				21.84	0.1528	< 100
26715	816.5	5	25	0	21.40	0.1380	< 100
26740	819.0				21.31	0.1352	< 100
26765	821.5				21.35	0.1365	< 100
26740	819.0	10	1	0	22.73	0.1875	< 100
			1	24	22.82	0.1914	< 100
			1	49	22.88	0.1941	< 100
			50	0	21.52	0.1419	< 100
26765	821.5	15	1	0	22.69	0.1858	< 100
			1	36	22.96	0.1977	< 100
			1	74	23.22	0.2099	< 100
			75	0	21.31	0.1352	< 100

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 38/41		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39675	2498.50	5	1	0	22.93	25.34	< 33.01
40620	2593.00				22.84	25.25	< 33.01
40565	2687.50				22.55	24.96	< 33.01
39675	2498.50	5	1	12	23.08	25.49	< 33.01
40620	2593.00				23.15	25.56	< 33.01
40565	2687.50				22.84	25.25	< 33.01
39675	2498.50	5	1	24	22.90	25.31	< 33.01
40620	2593.00				22.86	25.27	< 33.01
40565	2687.50				22.58	24.99	< 33.01
39675	2498.50	5	25	0	21.92	24.33	< 33.01
40620	2593.00				21.76	24.17	< 33.01
40565	2687.50				21.70	24.11	< 33.01
39700	2501.00	10	1	0	23.04	25.45	< 33.01
40620	2593.00				22.91	25.32	< 33.01
41540	2685.00				22.72	25.13	< 33.01
39700	2501.00	10	1	24	23.05	25.46	< 33.01
40620	2593.00				23.24	25.65	< 33.01
41540	2685.00				22.74	25.15	< 33.01
39700	2501.00	10	1	49	23.05	25.46	< 33.01
40620	2593.00				22.88	25.29	< 33.01
41540	2685.00				22.61	25.02	< 33.01
39700	2501.00	10	50	0	21.87	24.28	< 33.01
40620	2593.00				21.85	24.26	< 33.01
41540	2685.00				21.71	24.12	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39725	2503.50	15	1	0	22.70	25.11	< 33.01
40620	2593.00				22.89	25.30	< 33.01
41515	2682.50				22.72	25.13	< 33.01
39725	2503.50	15	1	37	22.73	25.14	< 33.01
40620	2593.00				23.00	25.41	< 33.01
41515	2682.50				22.79	25.20	< 33.01
39725	2503.50	15	1	74	22.64	25.05	< 33.01
40620	2593.00				22.79	25.20	< 33.01
41515	2682.50				22.74	25.15	< 33.01
39725	2503.50	15	75	0	21.82	24.23	< 33.01
40620	2593.00				21.83	24.24	< 33.01
41515	2682.50				21.63	24.04	< 33.01
39750	2506.00	20	1	0	22.43	24.84	< 33.01
40620	2593.00				22.98	25.39	< 33.01
41490	2680.00				22.42	24.83	< 33.01
39750	2506.00	20	1	49	23.01	25.42	< 33.01
40620	2593.00				22.94	25.35	< 33.01
41490	2680.00				22.61	25.02	< 33.01
39750	2506.00	20	1	99	22.55	24.96	< 33.01
40620	2593.00				22.75	25.16	< 33.01
41490	2680.00				22.38	24.79	< 33.01
39750	2506.00	20	100	0	21.73	24.14	< 33.01
40620	2593.00				21.85	24.26	< 33.01
41490	2680.00				21.61	24.02	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39675	2498.50	5	1	0	22.26	24.67	< 33.01
40620	2593.00				21.51	23.92	< 33.01
40565	2687.50				21.42	23.83	< 33.01
39675	2498.50	5	1	12	22.37	24.78	< 33.01
40620	2593.00				21.66	24.07	< 33.01
40565	2687.50				21.49	23.90	< 33.01
39675	2498.50	5	1	24	22.27	24.68	< 33.01
40620	2593.00				21.53	23.94	< 33.01
40565	2687.50				21.26	23.67	< 33.01
39675	2498.50	5	25	0	20.87	23.28	< 33.01
40620	2593.00				20.78	23.19	< 33.01
40565	2687.50				20.64	23.05	< 33.01
39700	2501.00	10	1	0	22.21	24.62	< 33.01
40620	2593.00				21.49	23.90	< 33.01
41540	2685.00				22.11	24.52	< 33.01
39700	2501.00	10	1	24	21.96	24.37	< 33.01
40620	2593.00				21.52	23.93	< 33.01
41540	2685.00				22.08	24.49	< 33.01
39700	2501.00	10	1	49	22.24	24.65	< 33.01
40620	2593.00				21.49	23.90	< 33.01
41540	2685.00				22.06	24.47	< 33.01
39700	2501.00	10	50	0	20.94	23.35	< 33.01
40620	2593.00				20.73	23.14	< 33.01
41540	2685.00				20.57	22.98	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39725	2503.50	15	1	0	20.99	23.40	< 33.01
40620	2593.00				22.26	24.67	< 33.01
41515	2682.50				22.25	24.66	< 33.01
39725	2503.50	15	1	37	21.26	23.67	< 33.01
40620	2593.00				22.42	24.83	< 33.01
41515	2682.50				22.23	24.64	< 33.01
39725	2503.50	15	1	74	20.98	23.39	< 33.01
40620	2593.00				22.24	24.65	< 33.01
41515	2682.50				22.18	24.59	< 33.01
39725	2503.50	15	75	0	20.86	23.27	< 33.01
40620	2593.00				21.02	23.43	< 33.01
41515	2682.50				20.69	23.10	< 33.01
39750	2506.00	20	1	0	21.49	23.90	< 33.01
40620	2593.00				20.78	23.19	< 33.01
41490	2680.00				21.22	23.63	< 33.01
39750	2506.00	20	1	49	21.82	24.23	< 33.01
40620	2593.00				20.95	23.36	< 33.01
41490	2680.00				21.51	23.92	< 33.01
39750	2506.00	20	1	99	21.81	24.22	< 33.01
40620	2593.00				21.04	23.45	< 33.01
41490	2680.00				21.32	23.73	< 33.01
39750	2506.00	20	100	0	20.68	23.09	< 33.01
40620	2593.00				20.81	23.22	< 33.01
41490	2680.00				20.59	23.00	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	PM320
Test Band	LTE Band 71		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
133147	665.5	5	1	0	22.97	14.39	< 34.77
133297	680.5				23.15	14.57	< 34.77
133447	695.5				23.06	14.48	< 34.77
133147	665.5	5	1	12	23.74	15.16	< 34.77
133297	680.5				23.41	14.83	< 34.77
133447	695.5				23.43	14.85	< 34.77
133147	665.5	5	1	24	23.54	14.96	< 34.77
133297	680.5				23.24	14.66	< 34.77
133447	695.5				23.46	14.88	< 34.77
133147	665.5	5	25	0	22.49	13.91	< 34.77
133297	680.5				22.44	13.86	< 34.77
133447	695.5				22.60	14.02	< 34.77
133172	668.0	10	1	0	23.03	14.45	< 34.77
133297	680.5				23.20	14.62	< 34.77
133422	693.0				23.11	14.53	< 34.77
133172	668.0	10	1	24	23.42	14.84	< 34.77
133297	680.5				23.53	14.95	< 34.77
133422	693.0				23.54	14.96	< 34.77
133172	668.0	10	1	49	22.99	14.41	< 34.77
133297	680.5				23.00	14.42	< 34.77
133422	693.0				23.30	14.72	< 34.77
133172	668.0	10	50	0	22.45	13.87	< 34.77
133297	680.5				22.38	13.80	< 34.77
133422	693.0				22.45	13.87	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
133197	670.5	15	1	0	23.16	14.58	< 34.77
133297	680.5				23.22	14.64	< 34.77
133397	690.5				23.87	15.29	< 34.77
133197	670.5	15	1	37	23.47	14.89	< 34.77
133297	680.5				23.58	15.00	< 34.77
133397	690.5				23.84	15.26	< 34.77
133197	670.5	15	1	74	23.40	14.82	< 34.77
133297	680.5				23.44	14.86	< 34.77
133397	690.5				23.60	15.02	< 34.77
133197	670.5	15	75	0	22.36	13.78	< 34.77
133297	680.5				22.40	13.82	< 34.77
133397	690.5				22.51	13.93	< 34.77
133222	673.0	20	1	0	22.40	13.82	< 34.77
133322	683.0				22.52	13.94	< 34.77
133372	688.0				22.34	13.76	< 34.77
133222	673.0	20	1	49	22.90	14.32	< 34.77
133322	683.0				22.98	14.40	< 34.77
133372	688.0				23.04	14.46	< 34.77
133222	673.0	20	1	99	22.28	13.70	< 34.77
133322	683.0				22.65	14.07	< 34.77
133372	688.0				22.66	14.08	< 34.77
133222	673.0	20	100	0	22.21	13.63	< 34.77
133322	683.0				22.16	13.58	< 34.77
133372	688.0				22.19	13.61	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
133147	665.5	5	1	0	21.85	13.27	< 34.77
133297	680.5				22.10	13.52	< 34.77
133447	695.5				22.04	13.46	< 34.77
133147	665.5	5	1	12	22.15	13.57	< 34.77
133297	680.5				22.54	13.96	< 34.77
133447	695.5				22.36	13.78	< 34.77
133147	665.5	5	1	24	22.26	13.68	< 34.77
133297	680.5				22.28	13.70	< 34.77
133447	695.5				22.59	14.01	< 34.77
133147	665.5	5	25	0	21.51	12.93	< 34.77
133297	680.5				21.48	12.90	< 34.77
133447	695.5				21.74	13.16	< 34.77
133172	668.0	10	1	0	22.07	13.49	< 34.77
133297	680.5				22.51	13.93	< 34.77
133422	693.0				22.35	13.77	< 34.77
133172	668.0	10	1	24	22.33	13.75	< 34.77
133297	680.5				22.73	14.15	< 34.77
133422	693.0				22.77	14.19	< 34.77
133172	668.0	10	1	49	22.36	13.78	< 34.77
133297	680.5				22.43	13.85	< 34.77
133422	693.0				22.27	13.69	< 34.77
133172	668.0	10	50	0	21.50	12.92	< 34.77
133297	680.5				21.60	13.02	< 34.77
133422	693.0				21.46	12.88	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
133197	670.5	15	1	0	21.80	13.22	< 34.77
133297	680.5				22.72	14.14	< 34.77
133397	690.5				22.64	14.06	< 34.77
133197	670.5	15	1	37	22.95	14.37	< 34.77
133297	680.5				23.26	14.68	< 34.77
133397	690.5				22.56	13.98	< 34.77
133197	670.5	15	1	74	22.55	13.97	< 34.77
133297	680.5				23.11	14.53	< 34.77
133397	690.5				22.30	13.72	< 34.77
133197	670.5	15	75	0	21.66	13.08	< 34.77
133297	680.5				21.64	13.06	< 34.77
133397	690.5				21.58	13.00	< 34.77
133222	673.0	20	1	0	21.38	12.80	< 34.77
133322	683.0				21.21	12.63	< 34.77
133372	688.0				21.67	13.09	< 34.77
133222	673.0	20	1	49	21.89	13.31	< 34.77
133322	683.0				22.35	13.77	< 34.77
133372	688.0				22.16	13.58	< 34.77
133222	673.0	20	1	99	21.65	13.07	< 34.77
133322	683.0				21.84	13.26	< 34.77
133372	688.0				21.22	12.64	< 34.77
133222	673.0	20	100	0	21.75	13.17	< 34.77
133322	683.0				21.60	13.02	< 34.77
133372	688.0				21.57	12.99	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	WCDMA Band II		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Band II Channel				Band II Channel		
		9263	9400	9537		9263	9400	9537
WCDMA R99	1	19.66	19.82	19.74	0.87	20.53	20.69	20.61
HSDPA	1	18.70	18.67	18.55	0.87	19.57	19.54	19.42
	2	18.62	18.69	18.64	0.87	19.49	19.56	19.51
	3	18.11	18.27	18.18	0.87	18.98	19.14	19.05
	4	18.08	18.28	18.19	0.87	18.95	19.15	19.06
HSUPA	1	18.89	19.07	18.93	0.87	19.76	19.94	19.80
	2	18.42	18.56	18.46	0.87	19.29	19.43	19.33
	3	18.93	19.06	18.86	0.87	19.80	19.93	19.73
	4	18.87	19.05	18.91	0.87	19.74	19.92	19.78
	5	18.87	18.97	18.78	0.87	19.74	19.84	19.65
Limit	33.01dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	WCDMA Band IV		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Band IV Channel				Band IV Channel		
		1313	1450	1512		1313	1450	1512
WCDMA R99	1	19.02	19.09	19.12	1.76	20.78	20.85	20.88
HSDPA	1	18.06	18.14	18.09	1.76	19.82	19.90	19.85
	2	18.17	18.22	18.14	1.76	19.93	19.98	19.90
	3	17.64	17.69	17.60	1.76	19.40	19.45	19.36
	4	17.67	17.65	17.61	1.76	19.43	19.41	19.37
HSUPA	1	18.04	18.12	18.00	1.76	19.80	19.88	19.76
	2	18.10	18.20	18.14	1.76	19.86	19.96	19.90
	3	17.79	17.69	17.63	1.76	19.55	19.45	19.39
	4	18.23	18.26	18.20	1.76	19.99	20.02	19.96
	5	17.92	17.71	17.64	1.76	19.68	19.47	19.40
Limit	30.00dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	WCDMA Band V		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	ERP (dBm)		
		Band V Channel				Band V Channel		
		4133	4175	4232		4133	4175	4232
WCDMA R99	1	23.54	23.53	23.62	-6.73	14.66	14.65	14.74
HSDPA	1	22.38	22.43	22.40	-6.73	13.50	13.55	13.52
	2	22.44	22.46	22.45	-6.73	13.56	13.58	13.57
	3	22.00	21.89	21.94	-6.73	13.12	13.01	13.06
	4	22.04	22.05	22.02	-6.73	13.16	13.17	13.14
HSUPA	1	22.56	22.49	22.51	-6.73	13.68	13.61	13.63
	2	21.94	21.96	22.00	-6.73	13.06	13.08	13.12
	3	22.60	22.53	22.54	-6.73	13.72	13.65	13.66
	4	22.56	22.58	22.59	-6.73	13.68	13.70	13.71
	5	22.60	22.52	22.49	-6.73	13.72	13.64	13.61
Limit	38.45dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 2/25		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26047	1850.70	1.4	1	0	19.84	20.71	< 33.01
26365	1882.50				19.72	20.59	< 33.01
26683	1914.30				19.72	20.59	< 33.01
26047	1850.70	1.4	1	2	19.87	20.74	< 33.01
26365	1882.50				19.74	20.61	< 33.01
26683	1914.30				19.88	20.75	< 33.01
26047	1850.70	1.4	1	5	19.98	20.85	< 33.01
26365	1882.50				19.82	20.69	< 33.01
26683	1914.30				19.87	20.74	< 33.01
26047	1850.70	1.4	6	0	18.83	19.70	< 33.01
26365	1882.50				18.74	19.61	< 33.01
26683	1914.30				18.82	19.69	< 33.01
26055	1851.50	3	1	0	19.87	20.74	< 33.01
26365	1882.50				19.85	20.72	< 33.01
26675	1913.50				19.87	20.74	< 33.01
26055	1851.50	3	1	7	20.14	21.01	< 33.01
26365	1882.50				19.85	20.72	< 33.01
26675	1913.50				19.94	20.81	< 33.01
26055	1851.50	3	1	14	20.07	20.94	< 33.01
26365	1882.50				19.73	20.60	< 33.01
26675	1913.50				19.80	20.67	< 33.01
26055	1851.50	3	15	0	18.99	19.86	< 33.01
26365	1882.50				18.82	19.69	< 33.01
26675	1913.50				18.83	19.70	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26065	1852.50	5	1	0	20.01	20.88	< 33.01
26365	1882.50				19.66	20.53	< 33.01
26665	1912.50				19.77	20.64	< 33.01
26065	1852.50	5	1	12	19.84	20.71	< 33.01
26365	1882.50				19.72	20.59	< 33.01
26665	1912.50				19.87	20.74	< 33.01
26065	1852.50	5	1	24	19.63	20.50	< 33.01
26365	1882.50				19.64	20.51	< 33.01
26665	1912.50				19.97	20.84	< 33.01
26065	1852.50	5	25	0	18.92	19.79	< 33.01
26365	1882.50				18.82	19.69	< 33.01
26665	1912.50				18.84	19.71	< 33.01
16390	1855.00	10	1	0	20.09	20.96	< 33.01
26365	1882.50				19.93	20.80	< 33.01
26640	1910.00				19.90	20.77	< 33.01
16390	1855.00	10	1	24	19.98	20.85	< 33.01
26365	1882.50				19.96	20.83	< 33.01
26640	1910.00				20.03	20.90	< 33.01
16390	1855.00	10	1	49	19.95	20.82	< 33.01
26365	1882.50				19.92	20.79	< 33.01
26640	1910.00				20.14	21.01	< 33.01
16390	1855.00	10	50	0	18.97	19.84	< 33.01
26365	1882.50				18.96	19.83	< 33.01
26640	1910.00				18.87	19.74	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26115	1857.50	15	1	0	19.82	20.69	< 33.01
26365	1882.50				19.81	20.68	< 33.01
26615	1907.50				20.13	21.00	< 33.01
26115	1857.50	15	1	37	19.75	20.62	< 33.01
26365	1882.50				19.96	20.83	< 33.01
26615	1907.50				20.04	20.91	< 33.01
26115	1857.50	15	1	74	19.78	20.65	< 33.01
26365	1882.50				19.94	20.81	< 33.01
26615	1907.50				20.33	21.20	< 33.01
26115	1857.50	15	75	0	18.92	19.79	< 33.01
26365	1882.50				18.81	19.68	< 33.01
26615	1907.50				18.97	19.84	< 33.01
26140	1860.00	20	1	0	19.61	20.48	< 33.01
26365	1882.50				19.87	20.74	< 33.01
26590	1905.00				19.26	20.13	< 33.01
26140	1860.00	20	1	49	19.27	20.14	< 33.01
26365	1882.50				19.73	20.60	< 33.01
26590	1905.00				19.37	20.24	< 33.01
26140	1860.00	20	1	99	19.17	20.04	< 33.01
26365	1882.50				19.69	20.56	< 33.01
26590	1905.00				19.31	20.18	< 33.01
26140	1860.00	20	100	0	18.82	19.69	< 33.01
26365	1882.50				18.60	19.47	< 33.01
26590	1905.00				18.70	19.57	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26047	1850.70	1.4	1	0	18.47	19.34	< 33.01
26365	1882.50				18.74	19.61	< 33.01
26683	1914.30				18.59	19.46	< 33.01
26047	1850.70	1.4	1	2	18.70	19.57	< 33.01
26365	1882.50				18.86	19.73	< 33.01
26683	1914.30				18.59	19.46	< 33.01
26047	1850.70	1.4	1	5	18.91	19.78	< 33.01
26365	1882.50				18.78	19.65	< 33.01
26683	1914.30				18.65	19.52	< 33.01
26047	1850.70	1.4	6	0	17.33	18.20	< 33.01
26365	1882.50				17.38	18.25	< 33.01
26683	1914.30				17.23	18.10	< 33.01
26055	1851.50	3	1	0	18.87	19.74	< 33.01
26365	1882.50				18.38	19.25	< 33.01
26675	1913.50				18.82	19.69	< 33.01
26055	1851.50	3	1	7	19.14	20.01	< 33.01
26365	1882.50				18.91	19.78	< 33.01
26675	1913.50				18.97	19.84	< 33.01
26055	1851.50	3	1	14	18.91	19.78	< 33.01
26365	1882.50				18.76	19.63	< 33.01
26675	1913.50				18.77	19.64	< 33.01
26055	1851.50	3	15	0	17.69	18.56	< 33.01
26365	1882.50				17.34	18.21	< 33.01
26675	1913.50				17.46	18.33	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26065	1852.50	5	1	0	18.63	19.50	< 33.01
26365	1882.50				18.01	18.88	< 33.01
26665	1912.50				18.55	19.42	< 33.01
26065	1852.50	5	1	12	18.70	19.57	< 33.01
26365	1882.50				18.48	19.35	< 33.01
26665	1912.50				18.51	19.38	< 33.01
26065	1852.50	5	1	24	18.51	19.38	< 33.01
26365	1882.50				17.69	18.56	< 33.01
26665	1912.50				18.54	19.41	< 33.01
26065	1852.50	5	25	0	17.77	18.64	< 33.01
26365	1882.50				17.44	18.31	< 33.01
26665	1912.50				17.49	18.36	< 33.01
16390	1855.00	10	1	0	18.93	19.80	< 33.01
26365	1882.50				18.96	19.83	< 33.01
26640	1910.00				18.36	19.23	< 33.01
16390	1855.00	10	1	24	18.82	19.69	< 33.01
26365	1882.50				19.00	19.87	< 33.01
26640	1910.00				18.96	19.83	< 33.01
16390	1855.00	10	1	49	18.30	19.17	< 33.01
26365	1882.50				19.03	19.90	< 33.01
26640	1910.00				19.06	19.93	< 33.01
16390	1855.00	10	50	0	17.57	18.44	< 33.01
26365	1882.50				17.65	18.52	< 33.01
26640	1910.00				17.66	18.53	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26115	1857.50	15	1	0	18.73	19.60	< 33.01
26365	1882.50				19.08	19.95	< 33.01
26615	1907.50				18.65	19.52	< 33.01
26115	1857.50	15	1	37	18.80	19.67	< 33.01
26365	1882.50				18.97	19.84	< 33.01
26615	1907.50				19.25	20.12	< 33.01
26115	1857.50	15	1	74	18.80	19.67	< 33.01
26365	1882.50				19.18	20.05	< 33.01
26615	1907.50				18.69	19.56	< 33.01
26115	1857.50	15	75	0	17.65	18.52	< 33.01
26365	1882.50				17.55	18.42	< 33.01
26615	1907.50				17.74	18.61	< 33.01
26140	1860.00	20	1	0	18.77	19.64	< 33.01
26365	1882.50				18.57	19.44	< 33.01
26590	1905.00				18.38	19.25	< 33.01
26140	1860.00	20	1	49	18.43	19.30	< 33.01
26365	1882.50				18.24	19.11	< 33.01
26590	1905.00				18.53	19.40	< 33.01
26140	1860.00	20	1	99	18.43	19.30	< 33.01
26365	1882.50				18.09	18.96	< 33.01
26590	1905.00				18.48	19.35	< 33.01
26140	1860.00	20	100	0	17.49	18.36	< 33.01
26365	1882.50				17.41	18.28	< 33.01
26590	1905.00				17.48	18.35	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 4/66		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131979	1710.70	1.4	1	0	18.90	20.66	< 30.00
132322	1745.00				18.88	20.64	< 30.00
132665	1779.30				18.69	20.45	< 30.00
131979	1710.70	1.4	1	2	18.06	19.82	< 30.00
132322	1745.00				19.10	20.86	< 30.00
132665	1779.30				18.98	20.74	< 30.00
131979	1710.70	1.4	1	5	19.03	20.79	< 30.00
132322	1745.00				18.93	20.69	< 30.00
132665	1779.30				19.03	20.79	< 30.00
131979	1710.70	1.4	6	0	18.13	19.89	< 30.00
132322	1745.00				17.90	19.66	< 30.00
132665	1779.30				17.98	19.74	< 30.00
131987	1711.50	3	1	0	18.95	20.71	< 30.00
132322	1745.00				19.00	20.76	< 30.00
132657	1778.50				18.69	20.45	< 30.00
131987	1711.50	3	1	7	19.12	20.88	< 30.00
132322	1745.00				19.22	20.98	< 30.00
132657	1778.50				19.11	20.87	< 30.00
131987	1711.50	3	1	14	19.10	20.86	< 30.00
132322	1745.00				18.97	20.73	< 30.00
132657	1778.50				19.04	20.80	< 30.00
131987	1711.50	3	15	0	18.09	19.85	< 30.00
132322	1745.00				17.96	19.72	< 30.00
132657	1778.50				17.88	19.64	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131997	1712.50	5	1	0	18.92	20.68	< 30.00
132322	1745.00				18.90	20.66	< 30.00
132647	1777.50				18.99	20.75	< 30.00
131997	1712.50	5	1	12	18.88	20.64	< 30.00
132322	1745.00				19.04	20.80	< 30.00
132647	1777.50				19.00	20.76	< 30.00
131997	1712.50	5	1	24	19.04	20.80	< 30.00
132322	1745.00				18.87	20.63	< 30.00
132647	1777.50				19.13	20.89	< 30.00
131997	1712.50	5	25	0	18.11	19.87	< 30.00
132322	1745.00				17.95	19.71	< 30.00
132647	1777.50				17.95	19.71	< 30.00
132022	1715.00	10	1	0	19.05	20.81	< 30.00
132322	1745.00				18.91	20.67	< 30.00
132622	1775.00				19.00	20.76	< 30.00
132022	1715.00	10	1	24	19.14	20.90	< 30.00
132322	1745.00				19.25	21.01	< 30.00
132622	1775.00				19.44	21.20	< 30.00
132022	1715.00	10	1	49	19.03	20.79	< 30.00
132322	1745.00				18.85	20.61	< 30.00
132622	1775.00				19.25	21.01	< 30.00
132022	1715.00	10	50	0	18.07	19.83	< 30.00
132322	1745.00				18.00	19.76	< 30.00
132622	1775.00				17.87	19.63	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
132047	1717.50	15	1	0	19.12	20.88	< 30.00
132322	1745.00				19.06	20.82	< 30.00
132597	1772.50				18.93	20.69	< 30.00
132047	1717.50	15	1	37	19.45	21.21	< 30.00
132322	1745.00				19.26	21.02	< 30.00
132597	1772.50				19.04	20.80	< 30.00
132047	1717.50	15	1	74	19.32	21.08	< 30.00
132322	1745.00				18.94	20.70	< 30.00
132597	1772.50				19.07	20.83	< 30.00
132047	1717.50	15	75	0	18.10	19.86	< 30.00
132322	1745.00				17.89	19.65	< 30.00
132597	1772.50				17.87	19.63	< 30.00
132072	1720.00	20	1	0	19.00	20.76	< 30.00
132322	1745.00				19.00	20.76	< 30.00
132572	1770.00				19.50	21.26	< 30.00
132072	1720.00	20	1	49	18.50	20.26	< 30.00
132322	1745.00				19.00	20.76	< 30.00
132572	1770.00				19.00	20.76	< 30.00
132072	1720.00	20	1	99	19.00	20.76	< 30.00
132322	1745.00				19.00	20.76	< 30.00
132572	1770.00				19.50	21.26	< 30.00
132072	1720.00	20	100	0	18.50	20.26	< 30.00
132322	1745.00				18.00	19.76	< 30.00
132572	1770.00				18.50	20.26	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131979	1710.70	1.4	1	0	18.09	19.85	< 30.00
132322	1745.00				18.13	19.89	< 30.00
132665	1779.30				18.03	19.79	< 30.00
131979	1710.70	1.4	1	2	18.07	19.83	< 30.00
132322	1745.00				18.38	20.14	< 30.00
132665	1779.30				18.02	19.78	< 30.00
131979	1710.70	1.4	1	5	18.26	20.02	< 30.00
132322	1745.00				18.22	19.98	< 30.00
132665	1779.30				18.01	19.77	< 30.00
131979	1710.70	1.4	6	0	17.04	18.80	< 30.00
132322	1745.00				17.13	18.89	< 30.00
132665	1779.30				17.14	18.90	< 30.00
131987	1711.50	3	1	0	18.18	19.94	< 30.00
132322	1745.00				18.32	20.08	< 30.00
132657	1778.50				18.03	19.79	< 30.00
131987	1711.50	3	1	7	18.06	19.82	< 30.00
132322	1745.00				18.42	20.18	< 30.00
132657	1778.50				18.28	20.04	< 30.00
131987	1711.50	3	1	14	18.19	19.95	< 30.00
132322	1745.00				18.18	19.94	< 30.00
132657	1778.50				18.18	19.94	< 30.00
131987	1711.50	3	15	0	17.13	18.89	< 30.00
132322	1745.00				16.98	18.74	< 30.00
132657	1778.50				16.92	18.68	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131997	1712.50	5	1	0	18.02	19.78	< 30.00
132322	1745.00				18.16	19.92	< 30.00
132647	1777.50				17.80	19.56	< 30.00
131997	1712.50	5	1	12	17.95	19.71	< 30.00
132322	1745.00				18.10	19.86	< 30.00
132647	1777.50				17.93	19.69	< 30.00
131997	1712.50	5	1	24	17.99	19.75	< 30.00
132322	1745.00				17.58	19.34	< 30.00
132647	1777.50				17.98	19.74	< 30.00
131997	1712.50	5	25	0	17.29	19.05	< 30.00
132322	1745.00				16.98	18.74	< 30.00
132647	1777.50				17.11	18.87	< 30.00
132022	1715.00	10	1	0	18.43	20.19	< 30.00
132322	1745.00				18.38	20.14	< 30.00
132622	1775.00				18.19	19.95	< 30.00
132022	1715.00	10	1	24	18.42	20.18	< 30.00
132322	1745.00				18.71	20.47	< 30.00
132622	1775.00				18.71	20.47	< 30.00
132022	1715.00	10	1	49	18.32	20.08	< 30.00
132322	1745.00				18.25	20.01	< 30.00
132622	1775.00				18.78	20.54	< 30.00
132022	1715.00	10	50	0	17.04	18.80	< 30.00
132322	1745.00				16.86	18.62	< 30.00
132622	1775.00				16.88	18.64	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
132047	1717.50	15	1	0	18.11	19.87	< 30.00
132322	1745.00				18.07	19.83	< 30.00
132597	1772.50				18.01	19.77	< 30.00
132047	1717.50	15	1	37	18.68	20.44	< 30.00
132322	1745.00				18.51	20.27	< 30.00
132597	1772.50				18.51	20.27	< 30.00
132047	1717.50	15	1	74	18.11	19.87	< 30.00
132322	1745.00				17.41	19.17	< 30.00
132597	1772.50				17.99	19.75	< 30.00
132047	1717.50	15	75	0	17.22	18.98	< 30.00
132322	1745.00				16.88	18.64	< 30.00
132597	1772.50				17.03	18.79	< 30.00
132072	1720.00	20	1	0	17.83	19.59	< 30.00
132322	1745.00				18.07	19.83	< 30.00
132572	1770.00				18.53	20.29	< 30.00
132072	1720.00	20	1	49	17.47	19.23	< 30.00
132322	1745.00				17.95	19.71	< 30.00
132572	1770.00				17.94	19.70	< 30.00
132072	1720.00	20	1	99	18.03	19.79	< 30.00
132322	1745.00				17.47	19.23	< 30.00
132572	1770.00				18.51	20.27	< 30.00
132072	1720.00	20	100	0	17.05	18.81	< 30.00
132322	1745.00				16.90	18.66	< 30.00
132572	1770.00				16.98	18.74	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 5/26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26797	824.70	1.4	1	0	23.15	19.46	< 38.45
26915	836.50				23.15	19.46	< 38.45
27033	848.30				23.08	19.39	< 38.45
26797	824.70	1.4	1	2	23.26	19.57	< 38.45
26915	836.50				23.20	19.51	< 38.45
27033	848.30				23.37	19.68	< 38.45
26797	824.70	1.4	1	5	23.21	19.52	< 38.45
26915	836.50				23.15	19.46	< 38.45
27033	848.30				23.17	19.48	< 38.45
26797	824.70	1.4	6	0	22.20	18.51	< 38.45
26915	836.50				22.14	18.45	< 38.45
27033	848.30				22.31	18.62	< 38.45
26805	825.50	3	1	0	23.27	19.58	< 38.45
26915	836.50				23.24	19.55	< 38.45
27015	846.50				23.10	19.41	< 38.45
26805	825.50	3	1	7	23.48	19.79	< 38.45
26915	836.50				23.38	19.69	< 38.45
27015	846.50				23.28	19.59	< 38.45
26805	825.50	3	1	14	23.18	19.49	< 38.45
26915	836.50				23.24	19.55	< 38.45
27015	846.50				23.24	19.55	< 38.45
26805	825.50	3	15	0	22.03	18.34	< 38.45
26915	836.50				22.31	18.62	< 38.45
27015	846.50				22.22	18.53	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26815	826.50	5	1	0	23.06	19.37	< 38.45
26915	836.50				23.29	19.60	< 38.45
27015	846.50				23.22	19.53	< 38.45
26815	826.50	5	1	12	23.40	19.71	< 38.45
26915	836.50				23.26	19.57	< 38.45
27015	846.50				23.45	19.76	< 38.45
26815	826.50	5	1	24	23.04	19.35	< 38.45
26915	836.50				23.13	19.44	< 38.45
27015	846.50				23.11	19.42	< 38.45
26815	826.50	5	25	0	22.18	18.49	< 38.45
26915	836.50				22.23	18.54	< 38.45
27015	846.50				22.24	18.55	< 38.45
26840	829.00	10	1	0	23.17	19.48	< 38.45
26915	836.50				23.42	19.73	< 38.45
26990	844.00				23.08	19.39	< 38.45
26840	829.00	10	1	24	23.70	20.01	< 38.45
26915	836.50				23.51	19.82	< 38.45
26990	844.00				23.46	19.77	< 38.45
26840	829.00	10	1	49	23.36	19.67	< 38.45
26915	836.50				23.26	19.57	< 38.45
26990	844.00				23.22	19.53	< 38.45
26840	829.00	10	50	0	22.25	18.56	< 38.45
26915	836.50				22.22	18.53	< 38.45
26990	844.00				22.21	18.52	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26797	824.70	1.4	1	0	22.17	18.48	< 38.45
26915	836.50				22.24	18.55	< 38.45
27033	848.30				22.07	18.38	< 38.45
26797	824.70	1.4	1	2	21.82	18.13	< 38.45
26915	836.50				22.18	18.49	< 38.45
27033	848.30				22.19	18.50	< 38.45
26797	824.70	1.4	1	5	22.17	18.48	< 38.45
26915	836.50				22.34	18.65	< 38.45
27033	848.30				22.06	18.37	< 38.45
26797	824.70	1.4	6	0	20.81	17.12	< 38.45
26915	836.50				21.05	17.36	< 38.45
27033	848.30				21.00	17.31	< 38.45
26805	825.50	3	1	0	22.14	18.45	< 38.45
26915	836.50				22.33	18.64	< 38.45
27015	846.50				21.43	17.74	< 38.45
26805	825.50	3	1	7	22.42	18.73	< 38.45
26915	836.50				22.30	18.61	< 38.45
27015	846.50				22.14	18.45	< 38.45
26805	825.50	3	1	14	21.94	18.25	< 38.45
26915	836.50				22.15	18.46	< 38.45
27015	846.50				22.15	18.46	< 38.45
26805	825.50	3	15	0	20.63	16.94	< 38.45
26915	836.50				21.04	17.35	< 38.45
27015	846.50				21.02	17.33	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26815	826.50	5	1	0	21.78	18.09	< 38.45
26915	836.50				22.23	18.54	< 38.45
27015	846.50				21.45	17.76	< 38.45
26815	826.50	5	1	12	22.00	18.31	< 38.45
26915	836.50				21.93	18.24	< 38.45
27015	846.50				22.06	18.37	< 38.45
26815	826.50	5	1	24	21.77	18.08	< 38.45
26915	836.50				22.12	18.43	< 38.45
27015	846.50				21.72	18.03	< 38.45
26815	826.50	5	25	0	20.99	17.30	< 38.45
26915	836.50				21.00	17.31	< 38.45
27015	846.50				21.19	17.50	< 38.45
26840	829.00	10	1	0	22.27	18.58	< 38.45
26915	836.50				22.00	18.31	< 38.45
26990	844.00				22.27	18.58	< 38.45
26840	829.00	10	1	24	22.73	19.04	< 38.45
26915	836.50				22.21	18.52	< 38.45
26990	844.00				22.48	18.79	< 38.45
26840	829.00	10	1	49	22.55	18.86	< 38.45
26915	836.50				21.73	18.04	< 38.45
26990	844.00				22.38	18.69	< 38.45
26840	829.00	10	50	0	21.10	17.41	< 38.45
26915	836.50				20.89	17.20	< 38.45
26990	844.00				21.01	17.32	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 7		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20775	2502.50	5	1	0	22.72	25.42	< 33.01
21100	2535.00				22.76	25.46	< 33.01
21425	2567.50				22.77	25.47	< 33.01
20775	2502.50	5	1	12	23.08	25.78	< 33.01
21100	2535.00				22.97	25.67	< 33.01
21425	2567.50				23.05	25.75	< 33.01
20775	2502.50	5	1	24	22.85	25.55	< 33.01
21100	2535.00				22.59	25.29	< 33.01
21425	2567.50				22.87	25.57	< 33.01
20775	2502.50	5	25	0	21.89	24.59	< 33.01
21100	2535.00				21.75	24.45	< 33.01
21425	2567.50				21.92	24.62	< 33.01
20800	2505.00	10	1	0	22.70	25.40	< 33.01
21100	2535.00				22.63	25.33	< 33.01
21400	2565.00				22.72	25.42	< 33.01
20800	2505.00	10	1	24	23.29	25.99	< 33.01
21100	2535.00				23.13	25.83	< 33.01
21400	2565.00				23.34	26.04	< 33.01
20800	2505.00	10	1	49	22.56	25.26	< 33.01
21100	2535.00				22.54	25.24	< 33.01
21400	2565.00				22.71	25.41	< 33.01
20800	2505.00	10	50	0	21.88	24.58	< 33.01
21100	2535.00				21.75	24.45	< 33.01
21400	2565.00				21.94	24.64	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20825	2507.50	15	1	0	22.97	25.67	< 33.01
21100	2535.00				22.62	25.32	< 33.01
21375	2562.50				23.06	25.76	< 33.01
20825	2507.50	15	1	37	23.16	25.86	< 33.01
21100	2535.00				23.11	25.81	< 33.01
21375	2562.50				23.22	25.92	< 33.01
20825	2507.50	15	1	74	22.77	25.47	< 33.01
21100	2535.00				22.68	25.38	< 33.01
21375	2562.50				22.74	25.44	< 33.01
20825	2507.50	15	75	0	21.79	24.49	< 33.01
21100	2535.00				21.78	24.48	< 33.01
21375	2562.50				22.01	24.71	< 33.01
20850	2510.00	20	1	0	22.60	25.30	< 33.01
21100	2535.00				22.58	25.28	< 33.01
21350	2560.00				22.73	25.43	< 33.01
20850	2510.00	20	1	49	23.10	25.80	< 33.01
21100	2535.00				23.18	25.88	< 33.01
21350	2560.00				22.98	25.68	< 33.01
20850	2510.00	20	1	99	22.36	25.06	< 33.01
21100	2535.00				22.38	25.08	< 33.01
21350	2560.00				22.55	25.25	< 33.01
20850	2510.00	20	100	0	21.70	24.40	< 33.01
21100	2535.00				21.69	24.39	< 33.01
21350	2560.00				21.90	24.60	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20775	2502.50	5	1	0	21.79	24.49	< 33.01
21100	2535.00				21.77	24.47	< 33.01
21425	2567.50				21.89	24.59	< 33.01
20775	2502.50	5	1	12	21.97	24.67	< 33.01
21100	2535.00				22.09	24.79	< 33.01
21425	2567.50				21.88	24.58	< 33.01
20775	2502.50	5	1	24	22.11	24.81	< 33.01
21100	2535.00				21.63	24.33	< 33.01
21425	2567.50				21.86	24.56	< 33.01
20775	2502.50	5	25	0	20.80	23.50	< 33.01
21100	2535.00				20.68	23.38	< 33.01
21425	2567.50				21.18	23.88	< 33.01
20800	2505.00	10	1	0	21.50	24.20	< 33.01
21100	2535.00				22.00	24.70	< 33.01
21400	2565.00				21.83	24.53	< 33.01
20800	2505.00	10	1	24	22.27	24.97	< 33.01
21100	2535.00				22.36	25.06	< 33.01
21400	2565.00				22.38	25.08	< 33.01
20800	2505.00	10	1	49	21.43	24.13	< 33.01
21100	2535.00				21.71	24.41	< 33.01
21400	2565.00				21.84	24.54	< 33.01
20800	2505.00	10	50	0	21.04	23.74	< 33.01
21100	2535.00				21.08	23.78	< 33.01
21400	2565.00				20.85	23.55	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20825	2507.50	15	1	0	21.79	24.49	< 33.01
21100	2535.00				21.77	24.47	< 33.01
21375	2562.50				21.89	24.59	< 33.01
20825	2507.50	15	1	37	21.97	24.67	< 33.01
21100	2535.00				22.09	24.79	< 33.01
21375	2562.50				21.88	24.58	< 33.01
20825	2507.50	15	1	74	22.11	24.81	< 33.01
21100	2535.00				21.63	24.33	< 33.01
21375	2562.50				21.86	24.56	< 33.01
20825	2507.50	15	75	0	20.80	23.50	< 33.01
21100	2535.00				20.68	23.38	< 33.01
21375	2562.50				21.18	23.88	< 33.01
20850	2510.00	20	1	0	21.50	24.20	< 33.01
21100	2535.00				22.00	24.70	< 33.01
21350	2560.00				21.83	24.53	< 33.01
20850	2510.00	20	1	49	22.27	24.97	< 33.01
21100	2535.00				22.36	25.06	< 33.01
21350	2560.00				22.38	25.08	< 33.01
20850	2510.00	20	1	99	21.43	24.13	< 33.01
21100	2535.00				21.71	24.41	< 33.01
21350	2560.00				21.84	24.54	< 33.01
20850	2510.00	20	100	0	21.04	23.74	< 33.01
21100	2535.00				21.08	23.78	< 33.01
21350	2560.00				20.85	23.55	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 12		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23017	699.7	1.4	1	0	23.20	18.82	< 44.77
23095	707.5				23.30	18.92	< 44.77
23173	715.3				23.19	18.81	< 44.77
23017	699.7	1.4	1	2	23.32	18.94	< 44.77
23095	707.5				23.39	19.01	< 44.77
23173	715.3				23.20	18.82	< 44.77
23017	699.7	1.4	1	5	23.30	18.92	< 44.77
23095	707.5				23.28	18.90	< 44.77
23173	715.3				23.12	18.74	< 44.77
23017	699.7	1.4	6	0	22.38	18.00	< 44.77
23095	707.5				22.35	17.97	< 44.77
23173	715.3				22.36	17.98	< 44.77
23025	700.5	3	1	0	23.09	18.71	< 44.77
23095	707.5				23.12	18.74	< 44.77
23165	714.5				23.10	18.72	< 44.77
23025	700.5	3	1	7	23.65	19.27	< 44.77
23095	707.5				23.27	18.89	< 44.77
23165	714.5				23.11	18.73	< 44.77
23025	700.5	3	1	14	23.10	18.72	< 44.77
23095	707.5				23.09	18.71	< 44.77
23165	714.5				23.11	18.73	< 44.77
23025	700.5	3	15	0	22.30	17.92	< 44.77
23095	707.5				22.32	17.94	< 44.77
23165	714.5				22.29	17.91	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23035	701.5	5	1	0	23.03	18.65	< 44.77
23095	707.5				23.29	18.91	< 44.77
23155	713.5				22.76	18.38	< 44.77
23035	701.5	5	1	12	23.55	19.17	< 44.77
23095	707.5				23.38	19.00	< 44.77
23155	713.5				23.18	18.80	< 44.77
23035	701.5	5	1	24	23.34	18.96	< 44.77
23095	707.5				23.01	18.63	< 44.77
23155	713.5				23.04	18.66	< 44.77
23035	701.5	5	25	0	22.34	17.96	< 44.77
23095	707.5				22.34	17.96	< 44.77
23155	713.5				22.22	17.84	< 44.77
23060	704.0	10	1	0	23.25	18.87	< 44.77
23095	707.5				23.04	18.66	< 44.77
23130	711.0				23.11	18.73	< 44.77
23060	704.0	10	1	24	23.58	19.20	< 44.77
23095	707.5				23.43	19.05	< 44.77
23130	711.0				23.48	19.10	< 44.77
23060	704.0	10	1	49	23.04	18.66	< 44.77
23095	707.5				22.85	18.47	< 44.77
23130	711.0				22.99	18.61	< 44.77
23060	704.0	10	50	0	22.32	17.94	< 44.77
23095	707.5				22.33	17.95	< 44.77
23130	711.0				22.41	18.03	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23017	699.7	1.4	1	0	22.04	17.66	< 44.77
23095	707.5				22.67	18.29	< 44.77
23173	715.3				22.31	17.93	< 44.77
23017	699.7	1.4	1	2	22.53	18.15	< 44.77
23095	707.5				22.65	18.27	< 44.77
23173	715.3				22.41	18.03	< 44.77
23017	699.7	1.4	1	5	22.59	18.21	< 44.77
23095	707.5				22.43	18.05	< 44.77
23173	715.3				22.40	18.02	< 44.77
23017	699.7	1.4	6	0	20.99	16.61	< 44.77
23095	707.5				21.21	16.83	< 44.77
23173	715.3				21.31	16.93	< 44.77
23025	700.5	3	1	0	22.18	17.80	< 44.77
23095	707.5				22.45	18.07	< 44.77
23165	714.5				22.33	17.95	< 44.77
23025	700.5	3	1	7	22.40	18.02	< 44.77
23095	707.5				22.49	18.11	< 44.77
23165	714.5				22.68	18.30	< 44.77
23025	700.5	3	1	14	22.45	18.07	< 44.77
23095	707.5				22.45	18.07	< 44.77
23165	714.5				22.53	18.15	< 44.77
23025	700.5	3	15	0	21.31	16.93	< 44.77
23095	707.5				21.23	16.85	< 44.77
23165	714.5				21.23	16.85	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23035	701.5	5	1	0	22.13	17.75	< 44.77
23095	707.5				22.33	17.95	< 44.77
23155	713.5				21.95	17.57	< 44.77
23035	701.5	5	1	12	22.33	17.95	< 44.77
23095	707.5				22.35	17.97	< 44.77
23155	713.5				22.09	17.71	< 44.77
23035	701.5	5	1	24	21.90	17.52	< 44.77
23095	707.5				22.09	17.71	< 44.77
23155	713.5				21.95	17.57	< 44.77
23035	701.5	5	25	0	21.04	16.66	< 44.77
23095	707.5				21.21	16.83	< 44.77
23155	713.5				21.29	16.91	< 44.77
23060	704.0	10	1	0	22.44	18.06	< 44.77
23095	707.5				22.34	17.96	< 44.77
23130	711.0				22.03	17.65	< 44.77
23060	704.0	10	1	24	22.47	18.09	< 44.77
23095	707.5				22.39	18.01	< 44.77
23130	711.0				22.52	18.14	< 44.77
23060	704.0	10	1	49	21.90	17.52	< 44.77
23095	707.5				22.19	17.81	< 44.77
23130	711.0				21.93	17.55	< 44.77
23060	704.0	10	50	0	20.99	16.61	< 44.77
23095	707.5				21.02	16.64	< 44.77
23130	711.0				21.24	16.86	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 13		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23205	779.5	5	1	0	23.22	20.33	< 44.77
23230	782.0				23.24	20.35	< 44.77
23255	784.5				23.18	20.29	< 44.77
23205	779.5	5	1	12	23.87	20.98	< 44.77
23230	782.0				23.52	20.63	< 44.77
23255	784.5				23.26	20.37	< 44.77
23205	779.5	5	1	24	23.57	20.68	< 44.77
23230	782.0				23.23	20.34	< 44.77
23255	784.5				23.15	20.26	< 44.77
23205	779.5	5	25	0	22.48	19.59	< 44.77
23230	782.0				22.42	19.53	< 44.77
23255	784.5				22.37	19.48	< 44.77
23230	782.0	10	1	0	23.12	20.23	< 44.77
23230	782.0		1	24	23.80	20.91	< 44.77
23230	782.0		1	49	23.22	20.33	< 44.77
23230	782.0		50	0	22.46	19.57	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23205	779.5	5	1	0	22.28	19.39	< 44.77
23230	782.0				22.68	19.79	< 44.77
23255	784.5				22.38	19.49	< 44.77
23205	779.5	5	1	12	22.71	19.82	< 44.77
23230	782.0				22.94	20.05	< 44.77
23255	784.5				22.38	19.49	< 44.77
23205	779.5	5	1	24	22.40	19.51	< 44.77
23230	782.0				22.56	19.67	< 44.77
23255	784.5				22.24	19.35	< 44.77
23205	779.5	5	25	0	21.88	18.99	< 44.77
23230	782.0				21.74	18.85	< 44.77
23255	784.5				21.76	18.87	< 44.77
23230	782.0	10	1	0	22.80	19.91	< 44.77
23230	782.0		1	24	22.84	19.95	< 44.77
23230	782.0		1	49	22.44	19.55	< 44.77
23230	782.0		50	0	21.62	18.73	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	USB Dongle	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
QPSK							
26697	814.7	1.4	1	0	23.16	0.2070	< 100
26740	819.0				23.58	0.2280	< 100
26783	823.3				23.57	0.2275	< 100
26697	814.7	1.4	1	2	23.42	0.2198	< 100
26740	819.0				23.50	0.2239	< 100
26783	823.3				23.20	0.2089	< 100
26697	814.7	1.4	1	6	23.36	0.2168	< 100
26740	819.0				23.34	0.2158	< 100
26783	823.3				23.05	0.2018	< 100
26697	814.7	1.4	6	0	22.30	0.1698	< 100
26740	819.0				22.34	0.1714	< 100
26783	823.3				22.28	0.1690	< 100
26705	815.5	3	1	0	23.49	0.2234	< 100
26740	819.0				23.32	0.2148	< 100
26775	822.5				23.21	0.2094	< 100
26705	815.5	3	1	7	23.13	0.2056	< 100
26740	819.0				23.56	0.2270	< 100
26775	822.5				23.45	0.2213	< 100
26705	815.5	3	1	14	23.24	0.2109	< 100
26740	819.0				23.48	0.2228	< 100
26775	822.5				23.24	0.2109	< 100
26705	815.5	3	15	0	22.22	0.1667	< 100
26740	819.0				22.38	0.1730	< 100
26775	822.5				22.38	0.1730	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
QPSK							
26715	816.5	5	1	0	23.18	0.2080	< 100
26740	819.0				23.17	0.2075	< 100
26765	821.5				23.35	0.2163	< 100
26715	816.5	5	1	12	23.28	0.2128	< 100
26740	819.0				23.16	0.2070	< 100
26765	821.5				23.27	0.2123	< 100
26715	816.5	5	1	24	23.37	0.2173	< 100
26740	819.0				23.30	0.2138	< 100
26765	821.5				23.13	0.2056	< 100
26715	816.5	5	25	0	22.37	0.1726	< 100
26740	819.0				22.38	0.1730	< 100
26765	821.5				22.37	0.1726	< 100
26740	819.0	10	1	0	23.25	0.2113	< 100
			1	24	23.20	0.2089	< 100
			1	49	23.26	0.2118	< 100
			50	0	22.50	0.1778	< 100
26765	821.5	15	1	0	23.46	0.2218	< 100
			1	36	23.76	0.2377	< 100
			1	74	23.47	0.2223	< 100
			75	0	22.36	0.1722	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
16QAM							
26697	814.7	1.4	1	0	22.33	0.1710	< 100
26740	819.0				22.61	0.1824	< 100
26783	823.3				22.40	0.1738	< 100
26697	814.7	1.4	1	2	22.82	0.1914	< 100
26740	819.0				22.44	0.1754	< 100
26783	823.3				22.21	0.1663	< 100
26697	814.7	1.4	1	6	22.91	0.1954	< 100
26740	819.0				22.55	0.1799	< 100
26783	823.3				22.01	0.1589	< 100
26697	814.7	1.4	6	0	21.36	0.1368	< 100
26740	819.0				21.42	0.1387	< 100
26783	823.3				21.34	0.1361	< 100
26705	815.5	3	1	0	22.81	0.1910	< 100
26740	819.0				21.98	0.1578	< 100
26775	822.5				22.45	0.1758	< 100
26705	815.5	3	1	7	22.71	0.1866	< 100
26740	819.0				22.48	0.1770	< 100
26775	822.5				22.57	0.1807	< 100
26705	815.5	3	1	14	23.35	0.2163	< 100
26740	819.0				22.34	0.1714	< 100
26775	822.5				22.63	0.1832	< 100
26705	815.5	3	15	0	21.20	0.1318	< 100
26740	819.0				21.46	0.1400	< 100
26775	822.5				21.46	0.1400	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
16QAM							
26715	816.5	5	1	0	22.54	0.1795	< 100
26740	819.0				22.05	0.1603	< 100
26765	821.5				21.47	0.1403	< 100
26715	816.5	5	1	12	22.63	0.1832	< 100
26740	819.0				22.16	0.1644	< 100
26765	821.5				21.86	0.1535	< 100
26715	816.5	5	1	24	22.95	0.1972	< 100
26740	819.0				22.29	0.1694	< 100
26765	821.5				21.84	0.1528	< 100
26715	816.5	5	25	0	21.40	0.1380	< 100
26740	819.0				21.31	0.1352	< 100
26765	821.5				21.35	0.1365	< 100
26740	819.0	10	1	0	22.73	0.1875	< 100
			1	24	22.82	0.1914	< 100
			1	49	22.88	0.1941	< 100
			50	0	21.52	0.1419	< 100
26765	821.5	15	1	0	22.69	0.1858	< 100
			1	36	22.96	0.1977	< 100
			1	74	23.22	0.2099	< 100
			75	0	21.31	0.1352	< 100

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 38/41		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39675	2498.50	5	1	0	22.93	25.42	< 33.01
40620	2593.00				22.84	25.33	< 33.01
40565	2687.50				22.55	25.04	< 33.01
39675	2498.50	5	1	12	23.08	25.57	< 33.01
40620	2593.00				23.15	25.64	< 33.01
40565	2687.50				22.84	25.33	< 33.01
39675	2498.50	5	1	24	22.90	25.39	< 33.01
40620	2593.00				22.86	25.35	< 33.01
40565	2687.50				22.58	25.07	< 33.01
39675	2498.50	5	25	0	21.92	24.41	< 33.01
40620	2593.00				21.76	24.25	< 33.01
40565	2687.50				21.70	24.19	< 33.01
39700	2501.00	10	1	0	23.04	25.53	< 33.01
40620	2593.00				22.91	25.40	< 33.01
41540	2685.00				22.72	25.21	< 33.01
39700	2501.00	10	1	24	23.05	25.54	< 33.01
40620	2593.00				23.24	25.73	< 33.01
41540	2685.00				22.74	25.23	< 33.01
39700	2501.00	10	1	49	23.05	25.54	< 33.01
40620	2593.00				22.88	25.37	< 33.01
41540	2685.00				22.61	25.10	< 33.01
39700	2501.00	10	50	0	21.87	24.36	< 33.01
40620	2593.00				21.85	24.34	< 33.01
41540	2685.00				21.71	24.20	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39725	2503.50	15	1	0	22.70	25.19	< 33.01
40620	2593.00				22.89	25.38	< 33.01
41515	2682.50				22.72	25.21	< 33.01
39725	2503.50	15	1	37	22.73	25.22	< 33.01
40620	2593.00				23.00	25.49	< 33.01
41515	2682.50				22.79	25.28	< 33.01
39725	2503.50	15	1	74	22.64	25.13	< 33.01
40620	2593.00				22.79	25.28	< 33.01
41515	2682.50				22.74	25.23	< 33.01
39725	2503.50	15	75	0	21.82	24.31	< 33.01
40620	2593.00				21.83	24.32	< 33.01
41515	2682.50				21.63	24.12	< 33.01
39750	2506.00	20	1	0	22.43	24.92	< 33.01
40620	2593.00				22.98	25.47	< 33.01
41490	2680.00				22.42	24.91	< 33.01
39750	2506.00	20	1	49	23.01	25.50	< 33.01
40620	2593.00				22.94	25.43	< 33.01
41490	2680.00				22.61	25.10	< 33.01
39750	2506.00	20	1	99	22.55	25.04	< 33.01
40620	2593.00				22.75	25.24	< 33.01
41490	2680.00				22.38	24.87	< 33.01
39750	2506.00	20	100	0	21.73	24.22	< 33.01
40620	2593.00				21.85	24.34	< 33.01
41490	2680.00				21.61	24.10	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39675	2498.50	5	1	0	22.26	24.75	< 33.01
40620	2593.00				21.51	24.00	< 33.01
40565	2687.50				21.42	23.91	< 33.01
39675	2498.50	5	1	12	22.37	24.86	< 33.01
40620	2593.00				21.66	24.15	< 33.01
40565	2687.50				21.49	23.98	< 33.01
39675	2498.50	5	1	24	22.27	24.76	< 33.01
40620	2593.00				21.53	24.02	< 33.01
40565	2687.50				21.26	23.75	< 33.01
39675	2498.50	5	25	0	20.87	23.36	< 33.01
40620	2593.00				20.78	23.27	< 33.01
40565	2687.50				20.64	23.13	< 33.01
39700	2501.00	10	1	0	22.21	24.70	< 33.01
40620	2593.00				21.49	23.98	< 33.01
41540	2685.00				22.11	24.60	< 33.01
39700	2501.00	10	1	24	21.96	24.45	< 33.01
40620	2593.00				21.52	24.01	< 33.01
41540	2685.00				22.08	24.57	< 33.01
39700	2501.00	10	1	49	22.24	24.73	< 33.01
40620	2593.00				21.49	23.98	< 33.01
41540	2685.00				22.06	24.55	< 33.01
39700	2501.00	10	50	0	20.94	23.43	< 33.01
40620	2593.00				20.73	23.22	< 33.01
41540	2685.00				20.57	23.06	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39725	2503.50	15	1	0	20.99	23.48	< 33.01
40620	2593.00				22.26	24.75	< 33.01
41515	2682.50				22.25	24.74	< 33.01
39725	2503.50	15	1	37	21.26	23.75	< 33.01
40620	2593.00				22.42	24.91	< 33.01
41515	2682.50				22.23	24.72	< 33.01
39725	2503.50	15	1	74	20.98	23.47	< 33.01
40620	2593.00				22.24	24.73	< 33.01
41515	2682.50				22.18	24.67	< 33.01
39725	2503.50	15	75	0	20.86	23.35	< 33.01
40620	2593.00				21.02	23.51	< 33.01
41515	2682.50				20.69	23.18	< 33.01
39750	2506.00	20	1	0	21.49	23.98	< 33.01
40620	2593.00				20.78	23.27	< 33.01
41490	2680.00				21.22	23.71	< 33.01
39750	2506.00	20	1	49	21.82	24.31	< 33.01
40620	2593.00				20.95	23.44	< 33.01
41490	2680.00				21.51	24.00	< 33.01
39750	2506.00	20	1	99	21.81	24.30	< 33.01
40620	2593.00				21.04	23.53	< 33.01
41490	2680.00				21.32	23.81	< 33.01
39750	2506.00	20	100	0	20.68	23.17	< 33.01
40620	2593.00				20.81	23.30	< 33.01
41490	2680.00				20.59	23.08	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM700
Test Band	LTE Band 71		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
133147	665.5	5	1	0	22.97	16.96	< 34.77
133297	680.5				23.15	17.14	< 34.77
133447	695.5				23.06	17.05	< 34.77
133147	665.5	5	1	12	23.74	17.73	< 34.77
133297	680.5				23.41	17.40	< 34.77
133447	695.5				23.43	17.42	< 34.77
133147	665.5	5	1	24	23.54	17.53	< 34.77
133297	680.5				23.24	17.23	< 34.77
133447	695.5				23.46	17.45	< 34.77
133147	665.5	5	25	0	22.49	16.48	< 34.77
133297	680.5				22.44	16.43	< 34.77
133447	695.5				22.60	16.59	< 34.77
133172	668.0	10	1	0	23.03	17.02	< 34.77
133297	680.5				23.20	17.19	< 34.77
133422	693.0				23.11	17.10	< 34.77
133172	668.0	10	1	24	23.42	17.41	< 34.77
133297	680.5				23.53	17.52	< 34.77
133422	693.0				23.54	17.53	< 34.77
133172	668.0	10	1	49	22.99	16.98	< 34.77
133297	680.5				23.00	16.99	< 34.77
133422	693.0				23.30	17.29	< 34.77
133172	668.0	10	50	0	22.45	16.44	< 34.77
133297	680.5				22.38	16.37	< 34.77
133422	693.0				22.45	16.44	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
133197	670.5	15	1	0	23.16	17.15	< 34.77
133297	680.5				23.22	17.21	< 34.77
133397	690.5				23.87	17.86	< 34.77
133197	670.5	15	1	37	23.47	17.46	< 34.77
133297	680.5				23.58	17.57	< 34.77
133397	690.5				23.84	17.83	< 34.77
133197	670.5	15	1	74	23.40	17.39	< 34.77
133297	680.5				23.44	17.43	< 34.77
133397	690.5				23.60	17.59	< 34.77
133197	670.5	15	75	0	22.36	16.35	< 34.77
133297	680.5				22.40	16.39	< 34.77
133397	690.5				22.51	16.50	< 34.77
133222	673.0	20	1	0	22.40	16.39	< 34.77
133322	683.0				22.52	16.51	< 34.77
133372	688.0				22.34	16.33	< 34.77
133222	673.0	20	1	49	22.90	16.89	< 34.77
133322	683.0				22.98	16.97	< 34.77
133372	688.0				23.04	17.03	< 34.77
133222	673.0	20	1	99	22.28	16.27	< 34.77
133322	683.0				22.65	16.64	< 34.77
133372	688.0				22.66	16.65	< 34.77
133222	673.0	20	100	0	22.21	16.20	< 34.77
133322	683.0				22.16	16.15	< 34.77
133372	688.0				22.19	16.18	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
133147	665.5	5	1	0	21.85	15.84	< 34.77
133297	680.5				22.10	16.09	< 34.77
133447	695.5				22.04	16.03	< 34.77
133147	665.5	5	1	12	22.15	16.14	< 34.77
133297	680.5				22.54	16.53	< 34.77
133447	695.5				22.36	16.35	< 34.77
133147	665.5	5	1	24	22.26	16.25	< 34.77
133297	680.5				22.28	16.27	< 34.77
133447	695.5				22.59	16.58	< 34.77
133147	665.5	5	25	0	21.51	15.50	< 34.77
133297	680.5				21.48	15.47	< 34.77
133447	695.5				21.74	15.73	< 34.77
133172	668.0	10	1	0	22.07	16.06	< 34.77
133297	680.5				22.51	16.50	< 34.77
133422	693.0				22.35	16.34	< 34.77
133172	668.0	10	1	24	22.33	16.32	< 34.77
133297	680.5				22.73	16.72	< 34.77
133422	693.0				22.77	16.76	< 34.77
133172	668.0	10	1	49	22.36	16.35	< 34.77
133297	680.5				22.43	16.42	< 34.77
133422	693.0				22.27	16.26	< 34.77
133172	668.0	10	50	0	21.50	15.49	< 34.77
133297	680.5				21.60	15.59	< 34.77
133422	693.0				21.46	15.45	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
133197	670.5	15	1	0	21.80	15.79	< 34.77
133297	680.5				22.72	16.71	< 34.77
133397	690.5				22.64	16.63	< 34.77
133197	670.5	15	1	37	22.95	16.94	< 34.77
133297	680.5				23.26	17.25	< 34.77
133397	690.5				22.56	16.55	< 34.77
133197	670.5	15	1	74	22.55	16.54	< 34.77
133297	680.5				23.11	17.10	< 34.77
133397	690.5				22.30	16.29	< 34.77
133197	670.5	15	75	0	21.66	15.65	< 34.77
133297	680.5				21.64	15.63	< 34.77
133397	690.5				21.58	15.57	< 34.77
133222	673.0	20	1	0	21.38	15.37	< 34.77
133322	683.0				21.21	15.20	< 34.77
133372	688.0				21.67	15.66	< 34.77
133222	673.0	20	1	49	21.89	15.88	< 34.77
133322	683.0				22.35	16.34	< 34.77
133372	688.0				22.16	16.15	< 34.77
133222	673.0	20	1	99	21.65	15.64	< 34.77
133322	683.0				21.84	15.83	< 34.77
133372	688.0				21.22	15.21	< 34.77
133222	673.0	20	100	0	21.75	15.74	< 34.77
133322	683.0				21.60	15.59	< 34.77
133372	688.0				21.57	15.56	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	WCDMA Band II		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Band II Channel				Band II Channel		
		9263	9400	9537		9263	9400	9537
WCDMA R99	1	19.66	19.82	19.74	-6.51	13.15	13.31	13.23
HSDPA	1	18.70	18.67	18.55	1.01	19.71	19.68	19.56
	2	18.62	18.69	18.64	1.01	19.63	19.70	19.65
	3	18.11	18.27	18.18	1.01	19.12	19.28	19.19
	4	18.08	18.28	18.19	1.01	19.09	19.29	19.20
HSUPA	1	18.89	19.07	18.93	1.01	19.90	20.08	19.94
	2	18.42	18.56	18.46	1.01	19.43	19.57	19.47
	3	18.93	19.06	18.86	1.01	19.94	20.07	19.87
	4	18.87	19.05	18.91	1.01	19.88	20.06	19.92
	5	18.87	18.97	18.78	1.01	19.88	19.98	19.79
Limit	33.01dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	WCDMA Band IV		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)		
		Band IV Channel				Band IV Channel		
		1313	1450	1512		1313	1450	1512
WCDMA R99	1	19.02	19.09	19.12	-6.73	12.29	12.36	12.39
HSDPA	1	18.06	18.14	18.09	-6.73	11.33	11.41	11.36
	2	18.17	18.22	18.14	-6.73	11.44	11.49	11.41
	3	17.64	17.69	17.60	-6.73	10.91	10.96	10.87
	4	17.67	17.65	17.61	-6.73	10.94	10.92	10.88
HSUPA	1	18.04	18.12	18.00	-6.73	11.31	11.39	11.27
	2	18.10	18.20	18.14	-6.73	11.37	11.47	11.41
	3	17.79	17.69	17.63	-6.73	11.06	10.96	10.90
	4	18.23	18.26	18.20	-6.73	11.50	11.53	11.47
	5	17.92	17.71	17.64	-6.73	11.19	10.98	10.91
Limit	30.00dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	WCDMA Band V		

Mode	3GPP Subtest	Conducted Power (dBm)			Antenna Gain (dBi)	ERP (dBm)		
		Band V Channel				Band V Channel		
		4133	4175	4232		4133	4175	4232
WCDMA R99	1	23.54	23.53	23.62	-7.16	14.23	14.22	14.31
HSDPA	1	22.38	22.43	22.40	-7.16	13.07	13.12	13.09
	2	22.44	22.46	22.45	-7.16	13.13	13.15	13.14
	3	22.00	21.89	21.94	-7.16	12.69	12.58	12.63
	4	22.04	22.05	22.02	-7.16	12.73	12.74	12.71
HSUPA	1	22.56	22.49	22.51	-7.16	13.25	13.18	13.20
	2	21.94	21.96	22.00	-7.16	12.63	12.65	12.69
	3	22.60	22.53	22.54	-7.16	13.29	13.22	13.23
	4	22.56	22.58	22.59	-7.16	13.25	13.27	13.28
	5	22.60	22.52	22.49	-7.16	13.29	13.21	13.18
Limit	38.45dBm							

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

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 2/25		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26047	1850.70	1.4	1	0	19.84	13.33	< 33.01
26365	1882.50				19.72	13.21	< 33.01
26683	1914.30				19.72	13.21	< 33.01
26047	1850.70	1.4	1	2	19.87	13.36	< 33.01
26365	1882.50				19.74	13.23	< 33.01
26683	1914.30				19.88	13.37	< 33.01
26047	1850.70	1.4	1	5	19.98	13.47	< 33.01
26365	1882.50				19.82	13.31	< 33.01
26683	1914.30				19.87	13.36	< 33.01
26047	1850.70	1.4	6	0	18.83	12.32	< 33.01
26365	1882.50				18.74	12.23	< 33.01
26683	1914.30				18.82	12.31	< 33.01
26055	1851.50	3	1	0	19.87	13.36	< 33.01
26365	1882.50				19.85	13.34	< 33.01
26675	1913.50				19.87	13.36	< 33.01
26055	1851.50	3	1	7	20.14	13.63	< 33.01
26365	1882.50				19.85	13.34	< 33.01
26675	1913.50				19.94	13.43	< 33.01
26055	1851.50	3	1	14	20.07	13.56	< 33.01
26365	1882.50				19.73	13.22	< 33.01
26675	1913.50				19.80	13.29	< 33.01
26055	1851.50	3	15	0	18.99	12.48	< 33.01
26365	1882.50				18.82	12.31	< 33.01
26675	1913.50				18.83	12.32	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26065	1852.50	5	1	0	20.01	13.50	< 33.01
26365	1882.50				19.66	13.15	< 33.01
26665	1912.50				19.77	13.26	< 33.01
26065	1852.50	5	1	12	19.84	13.33	< 33.01
26365	1882.50				19.72	13.21	< 33.01
26665	1912.50				19.87	13.36	< 33.01
26065	1852.50	5	1	24	19.63	13.12	< 33.01
26365	1882.50				19.64	13.13	< 33.01
26665	1912.50				19.97	13.46	< 33.01
26065	1852.50	5	25	0	18.92	12.41	< 33.01
26365	1882.50				18.82	12.31	< 33.01
26665	1912.50				18.84	12.33	< 33.01
16390	1855.00	10	1	0	20.09	13.58	< 33.01
26365	1882.50				19.93	13.42	< 33.01
26640	1910.00				19.90	13.39	< 33.01
16390	1855.00	10	1	24	19.98	13.47	< 33.01
26365	1882.50				19.96	13.45	< 33.01
26640	1910.00				20.03	13.52	< 33.01
16390	1855.00	10	1	49	19.95	13.44	< 33.01
26365	1882.50				19.92	13.41	< 33.01
26640	1910.00				20.14	13.63	< 33.01
16390	1855.00	10	50	0	18.97	12.46	< 33.01
26365	1882.50				18.96	12.45	< 33.01
26640	1910.00				18.87	12.36	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26115	1857.50	15	1	0	19.82	13.31	< 33.01
26365	1882.50				19.81	13.30	< 33.01
26615	1907.50				20.13	13.62	< 33.01
26115	1857.50	15	1	37	19.75	13.24	< 33.01
26365	1882.50				19.96	13.45	< 33.01
26615	1907.50				20.04	13.53	< 33.01
26115	1857.50	15	1	74	19.78	13.27	< 33.01
26365	1882.50				19.94	13.43	< 33.01
26615	1907.50				20.33	13.82	< 33.01
26115	1857.50	15	75	0	18.92	12.41	< 33.01
26365	1882.50				18.81	12.30	< 33.01
26615	1907.50				18.97	12.46	< 33.01
26140	1860.00	20	1	0	19.61	13.10	< 33.01
26365	1882.50				19.87	13.36	< 33.01
26590	1905.00				19.26	12.75	< 33.01
26140	1860.00	20	1	49	19.27	12.76	< 33.01
26365	1882.50				19.73	13.22	< 33.01
26590	1905.00				19.37	12.86	< 33.01
26140	1860.00	20	1	99	19.17	12.66	< 33.01
26365	1882.50				19.69	13.18	< 33.01
26590	1905.00				19.31	12.80	< 33.01
26140	1860.00	20	100	0	18.82	12.31	< 33.01
26365	1882.50				18.60	12.09	< 33.01
26590	1905.00				18.70	12.19	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26047	1850.70	1.4	1	0	18.47	11.96	< 33.01
26365	1882.50				18.74	12.23	< 33.01
26683	1914.30				18.59	12.08	< 33.01
26047	1850.70	1.4	1	2	18.70	12.19	< 33.01
26365	1882.50				18.86	12.35	< 33.01
26683	1914.30				18.59	12.08	< 33.01
26047	1850.70	1.4	1	5	18.91	12.40	< 33.01
26365	1882.50				18.78	12.27	< 33.01
26683	1914.30				18.65	12.14	< 33.01
26047	1850.70	1.4	6	0	17.33	10.82	< 33.01
26365	1882.50				17.38	10.87	< 33.01
26683	1914.30				17.23	10.72	< 33.01
26055	1851.50	3	1	0	18.87	12.36	< 33.01
26365	1882.50				18.38	11.87	< 33.01
26675	1913.50				18.82	12.31	< 33.01
26055	1851.50	3	1	7	19.14	12.63	< 33.01
26365	1882.50				18.91	12.40	< 33.01
26675	1913.50				18.97	12.46	< 33.01
26055	1851.50	3	1	14	18.91	12.40	< 33.01
26365	1882.50				18.76	12.25	< 33.01
26675	1913.50				18.77	12.26	< 33.01
26055	1851.50	3	15	0	17.69	11.18	< 33.01
26365	1882.50				17.34	10.83	< 33.01
26675	1913.50				17.46	10.95	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26065	1852.50	5	1	0	18.63	12.12	< 33.01
26365	1882.50				18.01	11.50	< 33.01
26665	1912.50				18.55	12.04	< 33.01
26065	1852.50	5	1	12	18.70	12.19	< 33.01
26365	1882.50				18.48	11.97	< 33.01
26665	1912.50				18.51	12.00	< 33.01
26065	1852.50	5	1	24	18.51	12.00	< 33.01
26365	1882.50				17.69	11.18	< 33.01
26665	1912.50				18.54	12.03	< 33.01
26065	1852.50	5	25	0	17.77	11.26	< 33.01
26365	1882.50				17.44	10.93	< 33.01
26665	1912.50				17.49	10.98	< 33.01
16390	1855.00	10	1	0	18.93	12.42	< 33.01
26365	1882.50				18.96	12.45	< 33.01
26640	1910.00				18.36	11.85	< 33.01
16390	1855.00	10	1	24	18.82	12.31	< 33.01
26365	1882.50				19.00	12.49	< 33.01
26640	1910.00				18.96	12.45	< 33.01
16390	1855.00	10	1	49	18.30	11.79	< 33.01
26365	1882.50				19.03	12.52	< 33.01
26640	1910.00				19.06	12.55	< 33.01
16390	1855.00	10	50	0	17.57	11.06	< 33.01
26365	1882.50				17.65	11.14	< 33.01
26640	1910.00				17.66	11.15	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26115	1857.50	15	1	0	18.73	12.22	< 33.01
26365	1882.50				19.08	12.57	< 33.01
26615	1907.50				18.65	12.14	< 33.01
26115	1857.50	15	1	37	18.80	12.29	< 33.01
26365	1882.50				18.97	12.46	< 33.01
26615	1907.50				19.25	12.74	< 33.01
26115	1857.50	15	1	74	18.80	12.29	< 33.01
26365	1882.50				19.18	12.67	< 33.01
26615	1907.50				18.69	12.18	< 33.01
26115	1857.50	15	75	0	17.65	11.14	< 33.01
26365	1882.50				17.55	11.04	< 33.01
26615	1907.50				17.74	11.23	< 33.01
26140	1860.00	20	1	0	18.77	12.26	< 33.01
26365	1882.50				18.57	12.06	< 33.01
26590	1905.00				18.38	11.87	< 33.01
26140	1860.00	20	1	49	18.43	11.92	< 33.01
26365	1882.50				18.24	11.73	< 33.01
26590	1905.00				18.53	12.02	< 33.01
26140	1860.00	20	1	99	18.43	11.92	< 33.01
26365	1882.50				18.09	11.58	< 33.01
26590	1905.00				18.48	11.97	< 33.01
26140	1860.00	20	100	0	17.49	10.98	< 33.01
26365	1882.50				17.41	10.90	< 33.01
26590	1905.00				17.48	10.97	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 4/66		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131979	1710.70	1.4	1	0	18.90	12.17	< 30.00
132322	1745.00				18.88	12.15	< 30.00
132665	1779.30				18.69	11.96	< 30.00
131979	1710.70	1.4	1	2	18.06	11.33	< 30.00
132322	1745.00				19.10	12.37	< 30.00
132665	1779.30				18.98	12.25	< 30.00
131979	1710.70	1.4	1	5	19.03	12.30	< 30.00
132322	1745.00				18.93	12.20	< 30.00
132665	1779.30				19.03	12.30	< 30.00
131979	1710.70	1.4	6	0	18.13	11.40	< 30.00
132322	1745.00				17.90	11.17	< 30.00
132665	1779.30				17.98	11.25	< 30.00
131987	1711.50	3	1	0	18.95	12.22	< 30.00
132322	1745.00				19.00	12.27	< 30.00
132657	1778.50				18.69	11.96	< 30.00
131987	1711.50	3	1	7	19.12	12.39	< 30.00
132322	1745.00				19.22	12.49	< 30.00
132657	1778.50				19.11	12.38	< 30.00
131987	1711.50	3	1	14	19.10	12.37	< 30.00
132322	1745.00				18.97	12.24	< 30.00
132657	1778.50				19.04	12.31	< 30.00
131987	1711.50	3	15	0	18.09	11.36	< 30.00
132322	1745.00				17.96	11.23	< 30.00
132657	1778.50				17.88	11.15	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131997	1712.50	5	1	0	18.92	12.19	< 30.00
132322	1745.00				18.90	12.17	< 30.00
132647	1777.50				18.99	12.26	< 30.00
131997	1712.50	5	1	12	18.88	12.15	< 30.00
132322	1745.00				19.04	12.31	< 30.00
132647	1777.50				19.00	12.27	< 30.00
131997	1712.50	5	1	24	19.04	12.31	< 30.00
132322	1745.00				18.87	12.14	< 30.00
132647	1777.50				19.13	12.40	< 30.00
131997	1712.50	5	25	0	18.11	11.38	< 30.00
132322	1745.00				17.95	11.22	< 30.00
132647	1777.50				17.95	11.22	< 30.00
132022	1715.00	10	1	0	19.05	12.32	< 30.00
132322	1745.00				18.91	12.18	< 30.00
132622	1775.00				19.00	12.27	< 30.00
132022	1715.00	10	1	24	19.14	12.41	< 30.00
132322	1745.00				19.25	12.52	< 30.00
132622	1775.00				19.44	12.71	< 30.00
132022	1715.00	10	1	49	19.03	12.30	< 30.00
132322	1745.00				18.85	12.12	< 30.00
132622	1775.00				19.25	12.52	< 30.00
132022	1715.00	10	50	0	18.07	11.34	< 30.00
132322	1745.00				18.00	11.27	< 30.00
132622	1775.00				17.87	11.14	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
132047	1717.50	15	1	0	19.12	12.39	< 30.00
132322	1745.00				19.06	12.33	< 30.00
132597	1772.50				18.93	12.20	< 30.00
132047	1717.50	15	1	37	19.45	12.72	< 30.00
132322	1745.00				19.26	12.53	< 30.00
132597	1772.50				19.04	12.31	< 30.00
132047	1717.50	15	1	74	19.32	12.59	< 30.00
132322	1745.00				18.94	12.21	< 30.00
132597	1772.50				19.07	12.34	< 30.00
132047	1717.50	15	75	0	18.10	11.37	< 30.00
132322	1745.00				17.89	11.16	< 30.00
132597	1772.50				17.87	11.14	< 30.00
132072	1720.00	20	1	0	19.00	12.27	< 30.00
132322	1745.00				19.00	12.27	< 30.00
132572	1770.00				19.50	12.77	< 30.00
132072	1720.00	20	1	49	18.50	11.77	< 30.00
132322	1745.00				19.00	12.27	< 30.00
132572	1770.00				19.00	12.27	< 30.00
132072	1720.00	20	1	99	19.00	12.27	< 30.00
132322	1745.00				19.00	12.27	< 30.00
132572	1770.00				19.50	12.77	< 30.00
132072	1720.00	20	100	0	18.50	11.77	< 30.00
132322	1745.00				18.00	11.27	< 30.00
132572	1770.00				18.50	11.77	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131979	1710.70	1.4	1	0	18.09	11.36	< 30.00
132322	1745.00				18.13	11.40	< 30.00
132665	1779.30				18.03	11.30	< 30.00
131979	1710.70	1.4	1	2	18.07	11.34	< 30.00
132322	1745.00				18.38	11.65	< 30.00
132665	1779.30				18.02	11.29	< 30.00
131979	1710.70	1.4	1	5	18.26	11.53	< 30.00
132322	1745.00				18.22	11.49	< 30.00
132665	1779.30				18.01	11.28	< 30.00
131979	1710.70	1.4	6	0	17.04	10.31	< 30.00
132322	1745.00				17.13	10.40	< 30.00
132665	1779.30				17.14	10.41	< 30.00
131987	1711.50	3	1	0	18.18	11.45	< 30.00
132322	1745.00				18.32	11.59	< 30.00
132657	1778.50				18.03	11.30	< 30.00
131987	1711.50	3	1	7	18.06	11.33	< 30.00
132322	1745.00				18.42	11.69	< 30.00
132657	1778.50				18.28	11.55	< 30.00
131987	1711.50	3	1	14	18.19	11.46	< 30.00
132322	1745.00				18.18	11.45	< 30.00
132657	1778.50				18.18	11.45	< 30.00
131987	1711.50	3	15	0	17.13	10.40	< 30.00
132322	1745.00				16.98	10.25	< 30.00
132657	1778.50				16.92	10.19	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131997	1712.50	5	1	0	18.02	11.29	< 30.00
132322	1745.00				18.16	11.43	< 30.00
132647	1777.50				17.80	11.07	< 30.00
131997	1712.50	5	1	12	17.95	11.22	< 30.00
132322	1745.00				18.10	11.37	< 30.00
132647	1777.50				17.93	11.20	< 30.00
131997	1712.50	5	1	24	17.99	11.26	< 30.00
132322	1745.00				17.58	10.85	< 30.00
132647	1777.50				17.98	11.25	< 30.00
131997	1712.50	5	25	0	17.29	10.56	< 30.00
132322	1745.00				16.98	10.25	< 30.00
132647	1777.50				17.11	10.38	< 30.00
132022	1715.00	10	1	0	18.43	11.70	< 30.00
132322	1745.00				18.38	11.65	< 30.00
132622	1775.00				18.19	11.46	< 30.00
132022	1715.00	10	1	24	18.42	11.69	< 30.00
132322	1745.00				18.71	11.98	< 30.00
132622	1775.00				18.71	11.98	< 30.00
132022	1715.00	10	1	49	18.32	11.59	< 30.00
132322	1745.00				18.25	11.52	< 30.00
132622	1775.00				18.78	12.05	< 30.00
132022	1715.00	10	50	0	17.04	10.31	< 30.00
132322	1745.00				16.86	10.13	< 30.00
132622	1775.00				16.88	10.15	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
132047	1717.50	15	1	0	18.11	11.38	< 30.00
132322	1745.00				18.07	11.34	< 30.00
132597	1772.50				18.01	11.28	< 30.00
132047	1717.50	15	1	37	18.68	11.95	< 30.00
132322	1745.00				18.51	11.78	< 30.00
132597	1772.50				18.51	11.78	< 30.00
132047	1717.50	15	1	74	18.11	11.38	< 30.00
132322	1745.00				17.41	10.68	< 30.00
132597	1772.50				17.99	11.26	< 30.00
132047	1717.50	15	75	0	17.22	10.49	< 30.00
132322	1745.00				16.88	10.15	< 30.00
132597	1772.50				17.03	10.30	< 30.00
132072	1720.00	20	1	0	17.83	11.10	< 30.00
132322	1745.00				18.07	11.34	< 30.00
132572	1770.00				18.53	11.80	< 30.00
132072	1720.00	20	1	49	17.47	10.74	< 30.00
132322	1745.00				17.95	11.22	< 30.00
132572	1770.00				17.94	11.21	< 30.00
132072	1720.00	20	1	99	18.03	11.30	< 30.00
132322	1745.00				17.47	10.74	< 30.00
132572	1770.00				18.51	11.78	< 30.00
132072	1720.00	20	100	0	17.05	10.32	< 30.00
132322	1745.00				16.90	10.17	< 30.00
132572	1770.00				16.98	10.25	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 5/26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26797	824.70	1.4	1	0	23.15	13.84	< 38.45
26915	836.50				23.15	13.84	< 38.45
27033	848.30				23.08	13.77	< 38.45
26797	824.70	1.4	1	2	23.26	13.95	< 38.45
26915	836.50				23.20	13.89	< 38.45
27033	848.30				23.37	14.06	< 38.45
26797	824.70	1.4	1	5	23.21	13.90	< 38.45
26915	836.50				23.15	13.84	< 38.45
27033	848.30				23.17	13.86	< 38.45
26797	824.70	1.4	6	0	22.20	12.89	< 38.45
26915	836.50				22.14	12.83	< 38.45
27033	848.30				22.31	13.00	< 38.45
26805	825.50	3	1	0	23.27	13.96	< 38.45
26915	836.50				23.24	13.93	< 38.45
27015	846.50				23.10	13.79	< 38.45
26805	825.50	3	1	7	23.48	14.17	< 38.45
26915	836.50				23.38	14.07	< 38.45
27015	846.50				23.28	13.97	< 38.45
26805	825.50	3	1	14	23.18	13.87	< 38.45
26915	836.50				23.24	13.93	< 38.45
27015	846.50				23.24	13.93	< 38.45
26805	825.50	3	15	0	22.03	12.72	< 38.45
26915	836.50				22.31	13.00	< 38.45
27015	846.50				22.22	12.91	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26815	826.50	5	1	0	23.06	13.75	< 38.45
26915	836.50				23.29	13.98	< 38.45
27015	846.50				23.22	13.91	< 38.45
26815	826.50	5	1	12	23.40	14.09	< 38.45
26915	836.50				23.26	13.95	< 38.45
27015	846.50				23.45	14.14	< 38.45
26815	826.50	5	1	24	23.04	13.73	< 38.45
26915	836.50				23.13	13.82	< 38.45
27015	846.50				23.11	13.80	< 38.45
26815	826.50	5	25	0	22.18	12.87	< 38.45
26915	836.50				22.23	12.92	< 38.45
27015	846.50				22.24	12.93	< 38.45
26840	829.00	10	1	0	23.17	13.86	< 38.45
26915	836.50				23.42	14.11	< 38.45
26990	844.00				23.08	13.77	< 38.45
26840	829.00	10	1	24	23.70	14.39	< 38.45
26915	836.50				23.51	14.20	< 38.45
26990	844.00				23.46	14.15	< 38.45
26840	829.00	10	1	49	23.36	14.05	< 38.45
26915	836.50				23.26	13.95	< 38.45
26990	844.00				23.22	13.91	< 38.45
26840	829.00	10	50	0	22.25	12.94	< 38.45
26915	836.50				22.22	12.91	< 38.45
26990	844.00				22.21	12.90	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26797	824.70	1.4	1	0	22.17	12.86	< 38.45
26915	836.50				22.24	12.93	< 38.45
27033	848.30				22.07	12.76	< 38.45
26797	824.70	1.4	1	2	21.82	12.51	< 38.45
26915	836.50				22.18	12.87	< 38.45
27033	848.30				22.19	12.88	< 38.45
26797	824.70	1.4	1	5	22.17	12.86	< 38.45
26915	836.50				22.34	13.03	< 38.45
27033	848.30				22.06	12.75	< 38.45
26797	824.70	1.4	6	0	20.81	11.50	< 38.45
26915	836.50				21.05	11.74	< 38.45
27033	848.30				21.00	11.69	< 38.45
26805	825.50	3	1	0	22.14	12.83	< 38.45
26915	836.50				22.33	13.02	< 38.45
27015	846.50				21.43	12.12	< 38.45
26805	825.50	3	1	7	22.42	13.11	< 38.45
26915	836.50				22.30	12.99	< 38.45
27015	846.50				22.14	12.83	< 38.45
26805	825.50	3	1	14	21.94	12.63	< 38.45
26915	836.50				22.15	12.84	< 38.45
27015	846.50				22.15	12.84	< 38.45
26805	825.50	3	15	0	20.63	11.32	< 38.45
26915	836.50				21.04	11.73	< 38.45
27015	846.50				21.02	11.71	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26815	826.50	5	1	0	21.78	12.47	< 38.45
26915	836.50				22.23	12.92	< 38.45
27015	846.50				21.45	12.14	< 38.45
26815	826.50	5	1	12	22.00	12.69	< 38.45
26915	836.50				21.93	12.62	< 38.45
27015	846.50				22.06	12.75	< 38.45
26815	826.50	5	1	24	21.77	12.46	< 38.45
26915	836.50				22.12	12.81	< 38.45
27015	846.50				21.72	12.41	< 38.45
26815	826.50	5	25	0	20.99	11.68	< 38.45
26915	836.50				21.00	11.69	< 38.45
27015	846.50				21.19	11.88	< 38.45
26840	829.00	10	1	0	22.27	12.96	< 38.45
26915	836.50				22.00	12.69	< 38.45
26990	844.00				22.27	12.96	< 38.45
26840	829.00	10	1	24	22.73	13.42	< 38.45
26915	836.50				22.21	12.90	< 38.45
26990	844.00				22.48	13.17	< 38.45
26840	829.00	10	1	49	22.55	13.24	< 38.45
26915	836.50				21.73	12.42	< 38.45
26990	844.00				22.38	13.07	< 38.45
26840	829.00	10	50	0	21.10	11.79	< 38.45
26915	836.50				20.89	11.58	< 38.45
26990	844.00				21.01	11.70	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 7		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20775	2502.50	5	1	0	22.72	15.05	< 33.01
21100	2535.00				22.76	15.09	< 33.01
21425	2567.50				22.77	15.10	< 33.01
20775	2502.50	5	1	12	23.08	15.41	< 33.01
21100	2535.00				22.97	15.30	< 33.01
21425	2567.50				23.05	15.38	< 33.01
20775	2502.50	5	1	24	22.85	15.18	< 33.01
21100	2535.00				22.59	14.92	< 33.01
21425	2567.50				22.87	15.20	< 33.01
20775	2502.50	5	25	0	21.89	14.22	< 33.01
21100	2535.00				21.75	14.08	< 33.01
21425	2567.50				21.92	14.25	< 33.01
20800	2505.00	10	1	0	22.70	15.03	< 33.01
21100	2535.00				22.63	14.96	< 33.01
21400	2565.00				22.72	15.05	< 33.01
20800	2505.00	10	1	24	23.29	15.62	< 33.01
21100	2535.00				23.13	15.46	< 33.01
21400	2565.00				23.34	15.67	< 33.01
20800	2505.00	10	1	49	22.56	14.89	< 33.01
21100	2535.00				22.54	14.87	< 33.01
21400	2565.00				22.71	15.04	< 33.01
20800	2505.00	10	50	0	21.88	14.21	< 33.01
21100	2535.00				21.75	14.08	< 33.01
21400	2565.00				21.94	14.27	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20825	2507.50	15	1	0	22.97	15.30	< 33.01
21100	2535.00				22.62	14.95	< 33.01
21375	2562.50				23.06	15.39	< 33.01
20825	2507.50	15	1	37	23.16	15.49	< 33.01
21100	2535.00				23.11	15.44	< 33.01
21375	2562.50				23.22	15.55	< 33.01
20825	2507.50	15	1	74	22.77	15.10	< 33.01
21100	2535.00				22.68	15.01	< 33.01
21375	2562.50				22.74	15.07	< 33.01
20825	2507.50	15	75	0	21.79	14.12	< 33.01
21100	2535.00				21.78	14.11	< 33.01
21375	2562.50				22.01	14.34	< 33.01
20850	2510.00	20	1	0	22.60	14.93	< 33.01
21100	2535.00				22.58	14.91	< 33.01
21350	2560.00				22.73	15.06	< 33.01
20850	2510.00	20	1	49	23.10	15.43	< 33.01
21100	2535.00				23.18	15.51	< 33.01
21350	2560.00				22.98	15.31	< 33.01
20850	2510.00	20	1	99	22.36	14.69	< 33.01
21100	2535.00				22.38	14.71	< 33.01
21350	2560.00				22.55	14.88	< 33.01
20850	2510.00	20	100	0	21.70	14.03	< 33.01
21100	2535.00				21.69	14.02	< 33.01
21350	2560.00				21.90	14.23	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20775	2502.50	5	1	0	21.79	14.12	< 33.01
21100	2535.00				21.77	14.10	< 33.01
21425	2567.50				21.89	14.22	< 33.01
20775	2502.50	5	1	12	21.97	14.30	< 33.01
21100	2535.00				22.09	14.42	< 33.01
21425	2567.50				21.88	14.21	< 33.01
20775	2502.50	5	1	24	22.11	14.44	< 33.01
21100	2535.00				21.63	13.96	< 33.01
21425	2567.50				21.86	14.19	< 33.01
20775	2502.50	5	25	0	20.80	13.13	< 33.01
21100	2535.00				20.68	13.01	< 33.01
21425	2567.50				21.18	13.51	< 33.01
20800	2505.00	10	1	0	21.50	13.83	< 33.01
21100	2535.00				22.00	14.33	< 33.01
21400	2565.00				21.83	14.16	< 33.01
20800	2505.00	10	1	24	22.27	14.60	< 33.01
21100	2535.00				22.36	14.69	< 33.01
21400	2565.00				22.38	14.71	< 33.01
20800	2505.00	10	1	49	21.43	13.76	< 33.01
21100	2535.00				21.71	14.04	< 33.01
21400	2565.00				21.84	14.17	< 33.01
20800	2505.00	10	50	0	21.04	13.37	< 33.01
21100	2535.00				21.08	13.41	< 33.01
21400	2565.00				20.85	13.18	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20825	2507.50	15	1	0	21.98	14.31	< 33.01
21100	2535.00				21.63	13.96	< 33.01
21375	2562.50				21.98	14.31	< 33.01
20825	2507.50	15	1	37	21.88	14.21	< 33.01
21100	2535.00				22.08	14.41	< 33.01
21375	2562.50				22.19	14.52	< 33.01
20825	2507.50	15	1	74	21.71	14.04	< 33.01
21100	2535.00				21.58	13.91	< 33.01
21375	2562.50				21.76	14.09	< 33.01
20825	2507.50	15	75	0	20.71	13.04	< 33.01
21100	2535.00				20.85	13.18	< 33.01
21375	2562.50				20.98	13.31	< 33.01
20850	2510.00	20	1	0	21.80	14.13	< 33.01
21100	2535.00				21.60	13.93	< 33.01
21350	2560.00				21.85	14.18	< 33.01
20850	2510.00	20	1	49	21.98	14.31	< 33.01
21100	2535.00				21.93	14.26	< 33.01
21350	2560.00				21.95	14.28	< 33.01
20850	2510.00	20	1	99	21.43	13.76	< 33.01
21100	2535.00				21.45	13.78	< 33.01
21350	2560.00				21.58	13.91	< 33.01
20850	2510.00	20	100	0	20.85	13.18	< 33.01
21100	2535.00				20.68	13.01	< 33.01
21350	2560.00				20.88	13.21	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 12		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23017	699.7	1.4	1	0	23.20	13.05	< 44.77
23095	707.5				23.30	13.15	< 44.77
23173	715.3				23.19	13.04	< 44.77
23017	699.7	1.4	1	2	23.32	13.17	< 44.77
23095	707.5				23.39	13.24	< 44.77
23173	715.3				23.20	13.05	< 44.77
23017	699.7	1.4	1	5	23.30	13.15	< 44.77
23095	707.5				23.28	13.13	< 44.77
23173	715.3				23.12	12.97	< 44.77
23017	699.7	1.4	6	0	22.38	12.23	< 44.77
23095	707.5				22.35	12.20	< 44.77
23173	715.3				22.36	12.21	< 44.77
23025	700.5	3	1	0	23.09	12.94	< 44.77
23095	707.5				23.12	12.97	< 44.77
23165	714.5				23.10	12.95	< 44.77
23025	700.5	3	1	7	23.65	13.50	< 44.77
23095	707.5				23.27	13.12	< 44.77
23165	714.5				23.11	12.96	< 44.77
23025	700.5	3	1	14	23.10	12.95	< 44.77
23095	707.5				23.09	12.94	< 44.77
23165	714.5				23.11	12.96	< 44.77
23025	700.5	3	15	0	22.30	12.15	< 44.77
23095	707.5				22.32	12.17	< 44.77
23165	714.5				22.29	12.14	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23035	701.5	5	1	0	23.03	12.88	< 44.77
23095	707.5				23.29	13.14	< 44.77
23155	713.5				22.76	12.61	< 44.77
23035	701.5	5	1	12	23.55	13.40	< 44.77
23095	707.5				23.38	13.23	< 44.77
23155	713.5				23.18	13.03	< 44.77
23035	701.5	5	1	24	23.34	13.19	< 44.77
23095	707.5				23.01	12.86	< 44.77
23155	713.5				23.04	12.89	< 44.77
23035	701.5	5	25	0	22.34	12.19	< 44.77
23095	707.5				22.34	12.19	< 44.77
23155	713.5				22.22	12.07	< 44.77
23060	704.0	10	1	0	23.25	13.10	< 44.77
23095	707.5				23.04	12.89	< 44.77
23130	711.0				23.11	12.96	< 44.77
23060	704.0	10	1	24	23.58	13.43	< 44.77
23095	707.5				23.43	13.28	< 44.77
23130	711.0				23.48	13.33	< 44.77
23060	704.0	10	1	49	23.04	12.89	< 44.77
23095	707.5				22.85	12.70	< 44.77
23130	711.0				22.99	12.84	< 44.77
23060	704.0	10	50	0	22.32	12.17	< 44.77
23095	707.5				22.33	12.18	< 44.77
23130	711.0				22.41	12.26	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23017	699.7	1.4	1	0	22.04	11.89	< 44.77
23095	707.5				22.67	12.52	< 44.77
23173	715.3				22.31	12.16	< 44.77
23017	699.7	1.4	1	2	22.53	12.38	< 44.77
23095	707.5				22.65	12.50	< 44.77
23173	715.3				22.41	12.26	< 44.77
23017	699.7	1.4	1	5	22.59	12.44	< 44.77
23095	707.5				22.43	12.28	< 44.77
23173	715.3				22.40	12.25	< 44.77
23017	699.7	1.4	6	0	20.99	10.84	< 44.77
23095	707.5				21.21	11.06	< 44.77
23173	715.3				21.31	11.16	< 44.77
23025	700.5	3	1	0	22.18	12.03	< 44.77
23095	707.5				22.45	12.30	< 44.77
23165	714.5				22.33	12.18	< 44.77
23025	700.5	3	1	7	22.40	12.25	< 44.77
23095	707.5				22.49	12.34	< 44.77
23165	714.5				22.68	12.53	< 44.77
23025	700.5	3	1	14	22.45	12.30	< 44.77
23095	707.5				22.45	12.30	< 44.77
23165	714.5				22.53	12.38	< 44.77
23025	700.5	3	15	0	21.31	11.16	< 44.77
23095	707.5				21.23	11.08	< 44.77
23165	714.5				21.23	11.08	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23035	701.5	5	1	0	22.13	11.98	< 44.77
23095	707.5				22.33	12.18	< 44.77
23155	713.5				21.95	11.80	< 44.77
23035	701.5	5	1	12	22.33	12.18	< 44.77
23095	707.5				22.35	12.20	< 44.77
23155	713.5				22.09	11.94	< 44.77
23035	701.5	5	1	24	21.90	11.75	< 44.77
23095	707.5				22.09	11.94	< 44.77
23155	713.5				21.95	11.80	< 44.77
23035	701.5	5	25	0	21.04	10.89	< 44.77
23095	707.5				21.21	11.06	< 44.77
23155	713.5				21.29	11.14	< 44.77
23060	704.0	10	1	0	22.44	12.29	< 44.77
23095	707.5				22.34	12.19	< 44.77
23130	711.0				22.03	11.88	< 44.77
23060	704.0	10	1	24	22.47	12.32	< 44.77
23095	707.5				22.39	12.24	< 44.77
23130	711.0				22.52	12.37	< 44.77
23060	704.0	10	1	49	21.90	11.75	< 44.77
23095	707.5				22.19	12.04	< 44.77
23130	711.0				21.93	11.78	< 44.77
23060	704.0	10	50	0	20.99	10.84	< 44.77
23095	707.5				21.02	10.87	< 44.77
23130	711.0				21.24	11.09	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 13		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23205	779.5	5	1	0	23.22	11.05	< 44.77
23230	782.0				23.24	11.07	< 44.77
23255	784.5				23.18	11.01	< 44.77
23205	779.5	5	1	12	23.87	11.70	< 44.77
23230	782.0				23.52	11.35	< 44.77
23255	784.5				23.26	11.09	< 44.77
23205	779.5	5	1	24	23.57	11.40	< 44.77
23230	782.0				23.23	11.06	< 44.77
23255	784.5				23.15	10.98	< 44.77
23205	779.5	5	25	0	22.48	10.31	< 44.77
23230	782.0				22.42	10.25	< 44.77
23255	784.5				22.37	10.20	< 44.77
23230	782.0	10	1	0	23.12	10.95	< 44.77
23230	782.0		1	24	23.80	11.63	< 44.77
23230	782.0		1	49	23.22	11.05	< 44.77
23230	782.0		50	0	22.46	10.29	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23205	779.5	5	1	0	22.28	10.11	< 44.77
23230	782.0				22.68	10.51	< 44.77
23255	784.5				22.38	10.21	< 44.77
23205	779.5	5	1	12	22.71	10.54	< 44.77
23230	782.0				22.94	10.77	< 44.77
23255	784.5				22.38	10.21	< 44.77
23205	779.5	5	1	24	22.40	10.23	< 44.77
23230	782.0				22.56	10.39	< 44.77
23255	784.5				22.24	10.07	< 44.77
23205	779.5	5	25	0	21.88	9.71	< 44.77
23230	782.0				21.74	9.57	< 44.77
23255	784.5				21.76	9.59	< 44.77
23230	782.0	10	1	0	22.80	10.63	< 44.77
23230	782.0		1	24	22.84	10.67	< 44.77
23230	782.0		1	49	22.44	10.27	< 44.77
23230	782.0		50	0	21.62	9.45	< 44.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	USB Dongle	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
QPSK							
26697	814.7	1.4	1	0	23.16	0.2070	< 100
26740	819.0				23.58	0.2280	< 100
26783	823.3				23.57	0.2275	< 100
26697	814.7	1.4	1	2	23.42	0.2198	< 100
26740	819.0				23.50	0.2239	< 100
26783	823.3				23.20	0.2089	< 100
26697	814.7	1.4	1	6	23.36	0.2168	< 100
26740	819.0				23.34	0.2158	< 100
26783	823.3				23.05	0.2018	< 100
26697	814.7	1.4	6	0	22.30	0.1698	< 100
26740	819.0				22.34	0.1714	< 100
26783	823.3				22.28	0.1690	< 100
26705	815.5	3	1	0	23.49	0.2234	< 100
26740	819.0				23.32	0.2148	< 100
26775	822.5				23.21	0.2094	< 100
26705	815.5	3	1	7	23.13	0.2056	< 100
26740	819.0				23.56	0.2270	< 100
26775	822.5				23.45	0.2213	< 100
26705	815.5	3	1	14	23.24	0.2109	< 100
26740	819.0				23.48	0.2228	< 100
26775	822.5				23.24	0.2109	< 100
26705	815.5	3	15	0	22.22	0.1667	< 100
26740	819.0				22.38	0.1730	< 100
26775	822.5				22.38	0.1730	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
QPSK							
26715	816.5	5	1	0	23.18	0.2080	< 100
26740	819.0				23.17	0.2075	< 100
26765	821.5				23.35	0.2163	< 100
26715	816.5	5	1	12	23.28	0.2128	< 100
26740	819.0				23.16	0.2070	< 100
26765	821.5				23.27	0.2123	< 100
26715	816.5	5	1	24	23.37	0.2173	< 100
26740	819.0				23.30	0.2138	< 100
26765	821.5				23.13	0.2056	< 100
26715	816.5	5	25	0	22.37	0.1726	< 100
26740	819.0				22.38	0.1730	< 100
26765	821.5				22.37	0.1726	< 100
26740	819.0	10	1	0	23.25	0.2113	< 100
			1	24	23.20	0.2089	< 100
			1	49	23.26	0.2118	< 100
			50	0	22.50	0.1778	< 100
26765	821.5	15	1	0	23.46	0.2218	< 100
			1	36	23.76	0.2377	< 100
			1	74	23.47	0.2223	< 100
			75	0	22.36	0.1722	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
16QAM							
26697	814.7	1.4	1	0	22.33	0.1710	< 100
26740	819.0				22.61	0.1824	< 100
26783	823.3				22.40	0.1738	< 100
26697	814.7	1.4	1	2	22.82	0.1914	< 100
26740	819.0				22.44	0.1754	< 100
26783	823.3				22.21	0.1663	< 100
26697	814.7	1.4	1	6	22.91	0.1954	< 100
26740	819.0				22.55	0.1799	< 100
26783	823.3				22.01	0.1589	< 100
26697	814.7	1.4	6	0	21.36	0.1368	< 100
26740	819.0				21.42	0.1387	< 100
26783	823.3				21.34	0.1361	< 100
26705	815.5	3	1	0	22.81	0.1910	< 100
26740	819.0				21.98	0.1578	< 100
26775	822.5				22.45	0.1758	< 100
26705	815.5	3	1	7	22.71	0.1866	< 100
26740	819.0				22.48	0.1770	< 100
26775	822.5				22.57	0.1807	< 100
26705	815.5	3	1	14	23.35	0.2163	< 100
26740	819.0				22.34	0.1714	< 100
26775	822.5				22.63	0.1832	< 100
26705	815.5	3	15	0	21.20	0.1318	< 100
26740	819.0				21.46	0.1400	< 100
26775	822.5				21.46	0.1400	< 100

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	Output Power (W)	Limit (W)
16QAM							
26715	816.5	5	1	0	22.54	0.1795	< 100
26740	819.0				22.05	0.1603	< 100
26765	821.5				21.47	0.1403	< 100
26715	816.5	5	1	12	22.63	0.1832	< 100
26740	819.0				22.16	0.1644	< 100
26765	821.5				21.86	0.1535	< 100
26715	816.5	5	1	24	22.95	0.1972	< 100
26740	819.0				22.29	0.1694	< 100
26765	821.5				21.84	0.1528	< 100
26715	816.5	5	25	0	21.40	0.1380	< 100
26740	819.0				21.31	0.1352	< 100
26765	821.5				21.35	0.1365	< 100
26740	819.0	10	1	0	22.73	0.1875	< 100
			1	24	22.82	0.1914	< 100
			1	49	22.88	0.1941	< 100
			50	0	21.52	0.1419	< 100
26765	821.5	15	1	0	22.69	0.1858	< 100
			1	36	22.96	0.1977	< 100
			1	74	23.22	0.2099	< 100
			75	0	21.31	0.1352	< 100

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 38/41		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39675	2498.50	5	1	0	22.93	16.10	< 33.01
40620	2593.00				22.84	16.01	< 33.01
40565	2687.50				22.55	15.72	< 33.01
39675	2498.50	5	1	12	23.08	16.25	< 33.01
40620	2593.00				23.15	16.32	< 33.01
40565	2687.50				22.84	16.01	< 33.01
39675	2498.50	5	1	24	22.90	16.07	< 33.01
40620	2593.00				22.86	16.03	< 33.01
40565	2687.50				22.58	15.75	< 33.01
39675	2498.50	5	25	0	21.92	15.09	< 33.01
40620	2593.00				21.76	14.93	< 33.01
40565	2687.50				21.70	14.87	< 33.01
39700	2501.00	10	1	0	23.04	16.21	< 33.01
40620	2593.00				22.91	16.08	< 33.01
41540	2685.00				22.72	15.89	< 33.01
39700	2501.00	10	1	24	23.05	16.22	< 33.01
40620	2593.00				23.24	16.41	< 33.01
41540	2685.00				22.74	15.91	< 33.01
39700	2501.00	10	1	49	23.05	16.22	< 33.01
40620	2593.00				22.88	16.05	< 33.01
41540	2685.00				22.61	15.78	< 33.01
39700	2501.00	10	50	0	21.87	15.04	< 33.01
40620	2593.00				21.85	15.02	< 33.01
41540	2685.00				21.71	14.88	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39725	2503.50	15	1	0	22.70	15.87	< 33.01
40620	2593.00				22.89	16.06	< 33.01
41515	2682.50				22.72	15.89	< 33.01
39725	2503.50	15	1	37	22.73	15.90	< 33.01
40620	2593.00				23.00	16.17	< 33.01
41515	2682.50				22.79	15.96	< 33.01
39725	2503.50	15	1	74	22.64	15.81	< 33.01
40620	2593.00				22.79	15.96	< 33.01
41515	2682.50				22.74	15.91	< 33.01
39725	2503.50	15	75	0	21.82	14.99	< 33.01
40620	2593.00				21.83	15.00	< 33.01
41515	2682.50				21.63	14.80	< 33.01
39750	2506.00	20	1	0	22.43	15.60	< 33.01
40620	2593.00				22.98	16.15	< 33.01
41490	2680.00				22.42	15.59	< 33.01
39750	2506.00	20	1	49	23.01	16.18	< 33.01
40620	2593.00				22.94	16.11	< 33.01
41490	2680.00				22.61	15.78	< 33.01
39750	2506.00	20	1	99	22.55	15.72	< 33.01
40620	2593.00				22.75	15.92	< 33.01
41490	2680.00				22.38	15.55	< 33.01
39750	2506.00	20	100	0	21.73	14.90	< 33.01
40620	2593.00				21.85	15.02	< 33.01
41490	2680.00				21.61	14.78	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39675	2498.50	5	1	0	22.26	15.43	< 33.01
40620	2593.00				21.51	14.68	< 33.01
40565	2687.50				21.42	14.59	< 33.01
39675	2498.50	5	1	12	22.37	15.54	< 33.01
40620	2593.00				21.66	14.83	< 33.01
40565	2687.50				21.49	14.66	< 33.01
39675	2498.50	5	1	24	22.27	15.44	< 33.01
40620	2593.00				21.53	14.70	< 33.01
40565	2687.50				21.26	14.43	< 33.01
39675	2498.50	5	25	0	20.87	14.04	< 33.01
40620	2593.00				20.78	13.95	< 33.01
40565	2687.50				20.64	13.81	< 33.01
39700	2501.00	10	1	0	22.21	15.38	< 33.01
40620	2593.00				21.49	14.66	< 33.01
41540	2685.00				22.11	15.28	< 33.01
39700	2501.00	10	1	24	21.96	15.13	< 33.01
40620	2593.00				21.52	14.69	< 33.01
41540	2685.00				22.08	15.25	< 33.01
39700	2501.00	10	1	49	22.24	15.41	< 33.01
40620	2593.00				21.49	14.66	< 33.01
41540	2685.00				22.06	15.23	< 33.01
39700	2501.00	10	50	0	20.94	14.11	< 33.01
40620	2593.00				20.73	13.90	< 33.01
41540	2685.00				20.57	13.74	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39725	2503.50	15	1	0	20.99	14.16	< 33.01
40620	2593.00				22.26	15.43	< 33.01
41515	2682.50				22.25	15.42	< 33.01
39725	2503.50	15	1	37	21.26	14.43	< 33.01
40620	2593.00				22.42	15.59	< 33.01
41515	2682.50				22.23	15.40	< 33.01
39725	2503.50	15	1	74	20.98	14.15	< 33.01
40620	2593.00				22.24	15.41	< 33.01
41515	2682.50				22.18	15.35	< 33.01
39725	2503.50	15	75	0	20.86	14.03	< 33.01
40620	2593.00				21.02	14.19	< 33.01
41515	2682.50				20.69	13.86	< 33.01
39750	2506.00	20	1	0	21.49	14.66	< 33.01
40620	2593.00				20.78	13.95	< 33.01
41490	2680.00				21.22	14.39	< 33.01
39750	2506.00	20	1	49	21.82	14.99	< 33.01
40620	2593.00				20.95	14.12	< 33.01
41490	2680.00				21.51	14.68	< 33.01
39750	2506.00	20	1	99	21.81	14.98	< 33.01
40620	2593.00				21.04	14.21	< 33.01
41490	2680.00				21.32	14.49	< 33.01
39750	2506.00	20	100	0	20.68	13.85	< 33.01
40620	2593.00				20.81	13.98	< 33.01
41490	2680.00				20.59	13.76	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	LTE USB MODEM	Test Site	SIP-SR1
Test Engineer	Candy Luo	Antenna	RM510
Test Band	LTE Band 71		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
133147	665.5	5	1	0	22.97	10.67	< 34.77
133297	680.5				23.15	10.85	< 34.77
133447	695.5				23.06	10.76	< 34.77
133147	665.5	5	1	12	23.74	11.44	< 34.77
133297	680.5				23.41	11.11	< 34.77
133447	695.5				23.43	11.13	< 34.77
133147	665.5	5	1	24	23.54	11.24	< 34.77
133297	680.5				23.24	10.94	< 34.77
133447	695.5				23.46	11.16	< 34.77
133147	665.5	5	25	0	22.49	10.19	< 34.77
133297	680.5				22.44	10.14	< 34.77
133447	695.5				22.60	10.30	< 34.77
133172	668.0	10	1	0	23.03	10.73	< 34.77
133297	680.5				23.20	10.90	< 34.77
133422	693.0				23.11	10.81	< 34.77
133172	668.0	10	1	24	23.42	11.12	< 34.77
133297	680.5				23.53	11.23	< 34.77
133422	693.0				23.54	11.24	< 34.77
133172	668.0	10	1	49	22.99	10.69	< 34.77
133297	680.5				23.00	10.70	< 34.77
133422	693.0				23.30	11.00	< 34.77
133172	668.0	10	50	0	22.45	10.15	< 34.77
133297	680.5				22.38	10.08	< 34.77
133422	693.0				22.45	10.15	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
133197	670.5	15	1	0	23.16	10.86	< 34.77
133297	680.5				23.22	10.92	< 34.77
133397	690.5				23.87	11.57	< 34.77
133197	670.5	15	1	37	23.47	11.17	< 34.77
133297	680.5				23.58	11.28	< 34.77
133397	690.5				23.84	11.54	< 34.77
133197	670.5	15	1	74	23.40	11.10	< 34.77
133297	680.5				23.44	11.14	< 34.77
133397	690.5				23.60	11.30	< 34.77
133197	670.5	15	75	0	22.36	10.06	< 34.77
133297	680.5				22.40	10.10	< 34.77
133397	690.5				22.51	10.21	< 34.77
133222	673.0	20	1	0	22.40	10.10	< 34.77
133322	683.0				22.52	10.22	< 34.77
133372	688.0				22.34	10.04	< 34.77
133222	673.0	20	1	49	22.90	10.60	< 34.77
133322	683.0				22.98	10.68	< 34.77
133372	688.0				23.04	10.74	< 34.77
133222	673.0	20	1	99	22.28	9.98	< 34.77
133322	683.0				22.65	10.35	< 34.77
133372	688.0				22.66	10.36	< 34.77
133222	673.0	20	100	0	22.21	9.91	< 34.77
133322	683.0				22.16	9.86	< 34.77
133372	688.0				22.19	9.89	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
133147	665.5	5	1	0	21.85	9.55	< 34.77
133297	680.5				22.10	9.80	< 34.77
133447	695.5				22.04	9.74	< 34.77
133147	665.5	5	1	12	22.15	9.85	< 34.77
133297	680.5				22.54	10.24	< 34.77
133447	695.5				22.36	10.06	< 34.77
133147	665.5	5	1	24	22.26	9.96	< 34.77
133297	680.5				22.28	9.98	< 34.77
133447	695.5				22.59	10.29	< 34.77
133147	665.5	5	25	0	21.51	9.21	< 34.77
133297	680.5				21.48	9.18	< 34.77
133447	695.5				21.74	9.44	< 34.77
133172	668.0	10	1	0	22.07	9.77	< 34.77
133297	680.5				22.51	10.21	< 34.77
133422	693.0				22.35	10.05	< 34.77
133172	668.0	10	1	24	22.33	10.03	< 34.77
133297	680.5				22.73	10.43	< 34.77
133422	693.0				22.77	10.47	< 34.77
133172	668.0	10	1	49	22.36	10.06	< 34.77
133297	680.5				22.43	10.13	< 34.77
133422	693.0				22.27	9.97	< 34.77
133172	668.0	10	50	0	21.50	9.20	< 34.77
133297	680.5				21.60	9.30	< 34.77
133422	693.0				21.46	9.16	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
133197	670.5	15	1	0	21.80	9.50	< 34.77
133297	680.5				22.72	10.42	< 34.77
133397	690.5				22.64	10.34	< 34.77
133197	670.5	15	1	37	22.95	10.65	< 34.77
133297	680.5				23.26	10.96	< 34.77
133397	690.5				22.56	10.26	< 34.77
133197	670.5	15	1	74	22.55	10.25	< 34.77
133297	680.5				23.11	10.81	< 34.77
133397	690.5				22.30	10.00	< 34.77
133197	670.5	15	75	0	21.66	9.36	< 34.77
133297	680.5				21.64	9.34	< 34.77
133397	690.5				21.58	9.28	< 34.77
133222	673.0	20	1	0	21.38	9.08	< 34.77
133322	683.0				21.21	8.91	< 34.77
133372	688.0				21.67	9.37	< 34.77
133222	673.0	20	1	49	21.89	9.59	< 34.77
133322	683.0				22.35	10.05	< 34.77
133372	688.0				22.16	9.86	< 34.77
133222	673.0	20	1	99	21.65	9.35	< 34.77
133322	683.0				21.84	9.54	< 34.77
133372	688.0				21.22	8.92	< 34.77
133222	673.0	20	100	0	21.75	9.45	< 34.77
133322	683.0				21.60	9.30	< 34.77
133372	688.0				21.57	9.27	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

5.3. Radiated Spurious Emissions Measurement

5.3.1.Test Limit

The power of any emission outside of theauthorized operating frequency ranges must be attenuated below the transmitting power (P) by a factorof at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

For Band 7, 38/41, the powerof any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. The emission limit equal to -25dBm.

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 (dBμV/m) = EIRP (dBm) - 20 log D + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dBμV/m or 70.3dBμV/m.

5.3.2.Test Procedure

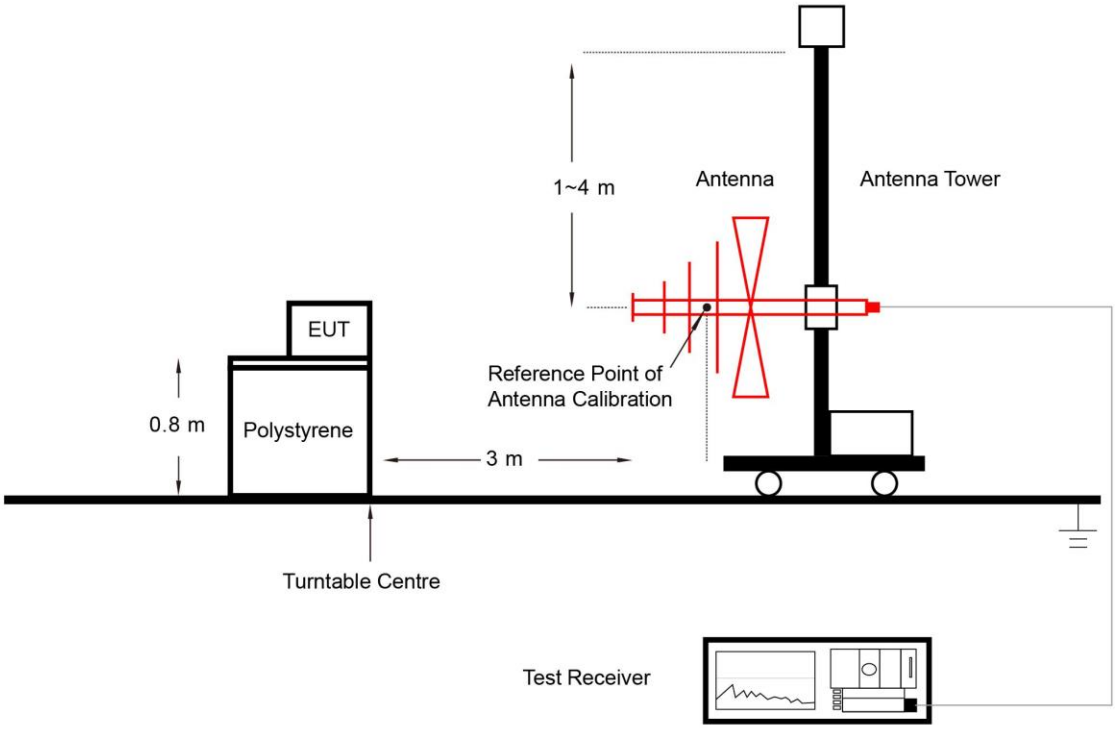
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.3.3.Test Setting

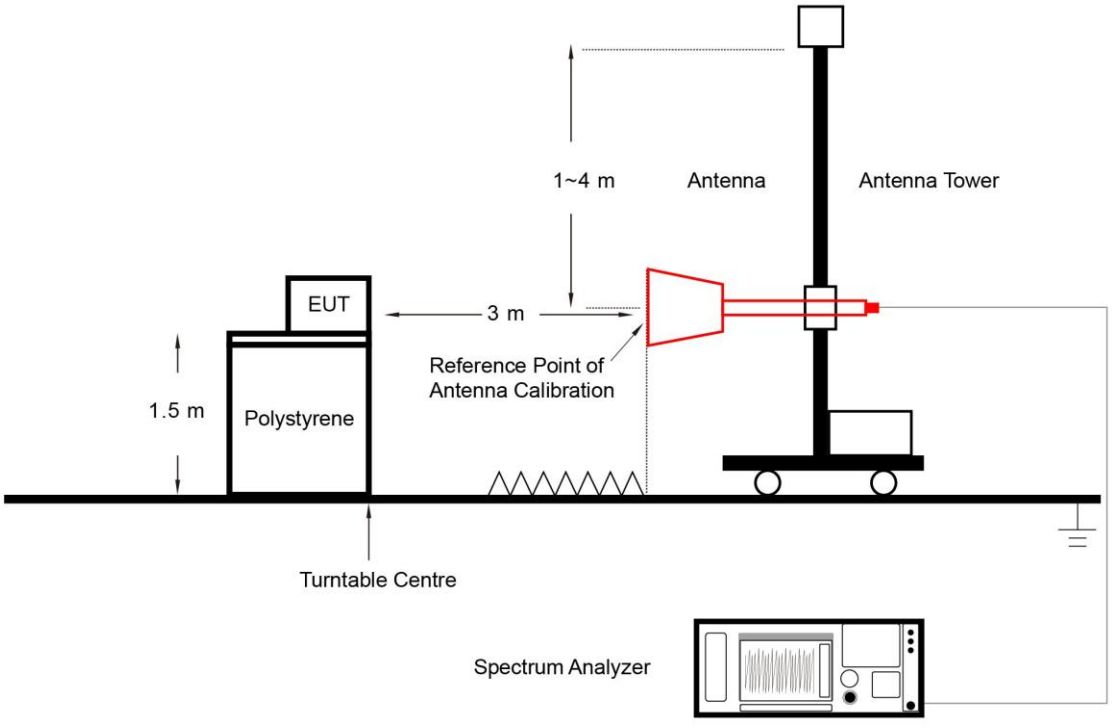
1. RBW = 1MHz
2. VBW ≥ 3*RBW
3. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.3.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.3.5.Test Result

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/06 ~ 2022/07/08	Test Band	LTE Band 2/25, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
59.6	16.6	17.6	34.2	82.3	-48.1	Peak	Horizontal
119.7	22.4	15.6	38.0	82.3	-44.3	Peak	Horizontal
59.6	26.6	17.6	44.2	82.3	-38.1	Peak	Vertical
119.7	25.4	15.6	41.0	82.3	-41.3	Peak	Vertical
7383.5	49.9	-5.7	44.2	82.3	-38.1	Peak	Horizontal
13945.5	48.0	1.8	49.8	82.3	-32.5	Peak	Horizontal
9032.5	48.6	-3.2	45.4	82.3	-36.9	Peak	Vertical
13911.5	47.0	1.5	48.5	82.3	-33.8	Peak	Vertical
Middle Channel							
119.7	22.1	15.6	37.7	82.3	-44.6	Peak	Horizontal
179.9	16.6	16.4	33.0	82.3	-49.3	Peak	Horizontal
67.8	27.0	16.2	43.2	82.3	-39.1	Peak	Vertical
119.7	25.1	15.6	40.7	82.3	-41.6	Peak	Vertical
7043.5	51.1	-6.1	45.0	82.3	-37.3	Peak	Horizontal
15254.5	45.5	4.1	49.6	82.3	-32.7	Peak	Horizontal
7664.0	49.5	-5.5	44.0	82.3	-38.3	Peak	Vertical
14965.5	46.7	3.0	49.7	82.3	-32.6	Peak	Vertical
High Channel							
119.7	21.8	15.6	37.4	82.3	-44.9	Peak	Horizontal
179.9	15.9	16.4	32.3	82.3	-50.0	Peak	Horizontal
59.6	26.3	17.6	43.9	82.3	-38.4	Peak	Vertical
119.7	25.3	15.6	40.9	82.3	-41.4	Peak	Vertical
7043.5	50.0	-6.1	43.9	82.3	-38.4	Peak	Horizontal
10384.0	48.8	-2.5	46.3	82.3	-36.0	Peak	Horizontal
9729.5	48.4	-3.0	45.4	82.3	-36.9	Peak	Vertical
13928.5	48.2	1.7	49.9	82.3	-32.4	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1&SIP-AC2	Test Engineer	Wayen Wang
Test Date	2022/07/08 ~ 2022/07/11	Test Band	LTE Band 4/66, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
119.7	21.8	15.6	37.4	82.3	-44.9	Peak	Horizontal
179.9	15.7	16.4	32.1	82.3	-50.2	Peak	Horizontal
59.6	26.2	17.6	43.8	82.3	-38.5	Peak	Vertical
119.7	25.2	15.6	40.8	82.3	-41.5	Peak	Vertical
6839.5	52.4	-0.2	52.2	82.3	-30.1	Peak	Horizontal
8556.5	45.1	2.7	47.8	82.3	-34.5	Peak	Horizontal
6839.5	55.5	-0.2	55.3	82.3	-27.0	Peak	Vertical
8556.5	54.5	2.7	57.2	82.3	-25.1	Peak	Vertical
Middle Channel							
119.7	21.9	15.6	37.5	82.3	-44.8	Peak	Horizontal
179.9	16.0	16.4	32.4	82.3	-49.9	Peak	Horizontal
59.6	26.0	17.6	43.6	82.3	-38.7	Peak	Vertical
119.7	25.2	15.6	40.8	82.3	-41.5	Peak	Vertical
6984.0	55.6	0.1	55.7	82.3	-26.6	Peak	Horizontal
8726.5	48.7	3.5	52.2	82.3	-30.1	Peak	Horizontal
6984.0	59.1	0.1	59.2	82.3	-23.1	Peak	Vertical
8726.5	53.4	3.5	56.9	82.3	-25.4	Peak	Vertical
High Channel							
119.7	22.0	15.6	37.6	82.3	-44.7	Peak	Horizontal
179.9	15.7	16.4	32.1	82.3	-50.2	Peak	Horizontal
59.6	26.0	17.6	43.6	82.3	-38.7	Peak	Vertical
119.7	25.5	15.6	41.1	82.3	-41.2	Peak	Vertical
7120.0	49.1	0.6	49.7	82.3	-32.6	Peak	Horizontal
8896.5	44.9	3.7	48.6	82.3	-33.7	Peak	Horizontal
7120.0	50.3	0.6	50.9	82.3	-31.4	Peak	Vertical
8896.5	47.3	3.7	51.0	82.3	-31.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1&SIP-AC2	Test Engineer	Wayen Wang
Test Date	2022/07/08 ~ 2022/07/11	Test Band	LTE Band 5/26, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
119.7	22.7	15.6	38.3	82.3	-44.0	Peak	Horizontal
660.0	16.9	26.0	42.9	82.3	-39.4	Peak	Horizontal
59.6	26.3	17.6	43.9	82.3	-38.4	Peak	Vertical
119.7	26.3	15.6	41.9	82.3	-40.4	Peak	Vertical
2472.0	63.5	-12.7	50.8	82.3	-31.5	Peak	Horizontal
3296.0	62.9	-10.9	52.0	82.3	-30.3	Peak	Horizontal
2472.0	63.7	-12.7	51.0	82.3	-31.3	Peak	Vertical
3296.0	62.6	-10.9	51.7	82.3	-30.6	Peak	Vertical
Middle Channel							
119.7	23.2	15.6	38.8	82.3	-43.5	Peak	Horizontal
697.4	16.7	26.9	43.6	82.3	-38.7	Peak	Horizontal
67.8	32.1	16.2	48.3	82.3	-34.0	Peak	Vertical
119.7	26.0	15.6	41.6	82.3	-40.7	Peak	Vertical
1672.0	65.6	-15.7	49.9	82.3	-32.4	Peak	Horizontal
3344.0	61.8	-11.3	50.5	82.3	-31.8	Peak	Horizontal
2508.0	61.4	-12.7	48.7	82.3	-33.6	Peak	Vertical
3344.0	60.4	-11.3	49.1	82.3	-33.2	Peak	Vertical
High Channel							
119.7	23.1	15.6	38.7	82.3	-43.6	Peak	Horizontal
581.9	17.1	24.8	41.9	82.3	-40.4	Peak	Horizontal
67.8	30.8	16.2	47.0	82.3	-35.3	Peak	Vertical
119.7	25.7	15.6	41.3	82.3	-41.0	Peak	Vertical
1696.0	65.4	-15.6	49.8	82.3	-32.5	Peak	Horizontal
3392.0	64.9	-11.1	53.8	82.3	-28.5	Peak	Horizontal
2544.0	65.9	-12.9	53.0	82.3	-29.3	Peak	Vertical
3392.0	64.9	-11.1	53.8	82.3	-28.5	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/07 ~ 2022/07/08	Test Band	LTE Band 7, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
Low Channel							
119.7	21.9	15.6	37.5	70.3	-32.8	Peak	Horizontal
249.2	15.7	16.4	32.1	70.3	-38.2	Peak	Horizontal
59.6	25.9	17.6	43.5	70.3	-26.8	Peak	Vertical
119.7	25.3	15.6	40.9	70.3	-29.4	Peak	Vertical
7511.0	59.1	-5.6	53.5	70.3	-16.8	Peak	Horizontal
16606.0	48.3	5.3	53.6	70.3	-16.7	Peak	Horizontal
7511.0	59.5	-5.6	53.9	70.3	-16.4	Peak	Vertical
15246.0	47.4	4.2	51.6	70.3	-18.7	Peak	Vertical
Middle Channel							
59.6	14.0	17.6	31.6	70.3	-38.7	Peak	Horizontal
119.7	21.8	15.6	37.4	70.3	-32.9	Peak	Horizontal
59.6	25.8	17.6	43.4	70.3	-26.9	Peak	Vertical
119.7	25.1	15.6	40.7	70.3	-29.6	Peak	Vertical
7613.0	59.3	-5.4	53.9	70.3	-16.4	Peak	Horizontal
16716.5	47.9	5.3	53.2	70.3	-17.1	Peak	Horizontal
7613.0	62.0	-5.4	56.6	70.3	-13.7	Peak	Vertical
16614.5	47.4	5.2	52.6	70.3	-17.7	Peak	Vertical
High Channel							
119.7	21.7	15.6	37.3	70.3	-33.0	Peak	Horizontal
179.9	15.4	16.4	31.8	70.3	-38.5	Peak	Horizontal
67.8	29.5	16.2	45.7	70.3	-24.6	Peak	Vertical
119.7	25.6	15.6	41.2	70.3	-29.1	Peak	Vertical
7698.0	62.4	-5.4	57.0	70.3	-13.3	Peak	Horizontal
15416.0	48.2	3.9	52.1	70.3	-18.2	Peak	Horizontal
7698.0	65.4	-5.4	60.0	70.3	-10.3	Peak	Vertical
15212.0	48.2	3.9	52.1	70.3	-18.2	Peak	Vertical
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB).							

Test Site	SIP-AC1&SIP-AC2	Test Engineer	Wayen Wang
Test Date	2022/07/08 ~ 2022/07/11	Test Band	LTE Band 12, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
119.7	22.6	15.6	38.2	82.3	-44.1	Peak	Horizontal
590.7	16.3	25.2	41.5	82.3	-40.8	Peak	Horizontal
59.6	25.8	17.6	43.4	82.3	-38.9	Peak	Vertical
119.7	26.3	15.6	41.9	82.3	-40.4	Peak	Vertical
2099.0	63.2	-13.7	49.5	82.3	-32.8	Peak	Horizontal
3495.5	55.9	-10.4	45.5	82.3	-36.8	Peak	Horizontal
1399.0	62.3	-15.8	46.5	82.3	-35.8	Peak	Vertical
2099.0	64.4	-13.7	50.7	82.3	-31.6	Peak	Vertical
Middle Channel							
119.7	22.6	15.6	38.2	82.3	-44.1	Peak	Horizontal
524.2	16.4	23.8	40.2	82.3	-42.1	Peak	Horizontal
59.6	26.2	17.6	43.8	82.3	-38.5	Peak	Vertical
119.7	26.5	15.6	42.1	82.3	-40.2	Peak	Vertical
2120.0	67.6	-13.4	54.2	82.3	-28.1	Peak	Horizontal
3534.0	55.3	-10.4	44.9	82.3	-37.4	Peak	Horizontal
1413.0	56.9	-15.9	41.0	82.3	-41.3	Peak	Vertical
3534.0	57.3	-10.4	46.9	82.3	-35.4	Peak	Vertical
High Channel							
119.7	22.6	15.6	38.2	82.3	-44.1	Peak	Horizontal
516.9	16.1	23.6	39.7	82.3	-42.6	Peak	Horizontal
59.6	26.2	17.6	43.8	82.3	-38.5	Peak	Vertical
119.7	25.8	15.6	41.4	82.3	-40.9	Peak	Vertical
2144.5	63.6	-13.3	50.3	82.3	-32.0	Peak	Horizontal
3572.5	55.4	-10.2	45.2	82.3	-37.1	Peak	Horizontal
2144.5	62.9	-13.3	49.6	82.3	-32.7	Peak	Vertical
3576.0	62.9	-10.2	52.7	82.3	-29.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/07~2022/07/08	Test Band	LTE Band 13, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	20.0	16.2	36.2	82.3	-46.1	Peak	Horizontal
119.7	22.9	15.6	38.5	82.3	-43.8	Peak	Horizontal
59.6	26.1	17.6	43.7	82.3	-38.6	Peak	Vertical
119.7	26.4	15.6	42.0	82.3	-40.3	Peak	Vertical
1560.0	57.0	-18.3	38.7	55.3	-16.6	Peak	Horizontal
3891.0	63.7	-9.6	54.1	82.3	-28.2	Peak	Horizontal
1560.0	57.0	-18.3	38.7	55.3	-16.6	Peak	Vertical
3891.0	58.5	-9.6	48.9	82.3	-33.4	Peak	Vertical
Middle Channel							
119.7	23.3	15.6	38.9	82.3	-43.4	Peak	Horizontal
615.4	16.3	25.7	42.0	82.3	-40.3	Peak	Horizontal
67.8	32.8	16.2	49.0	82.3	-33.3	Peak	Vertical
119.7	26.4	15.6	42.0	82.3	-40.3	Peak	Vertical
1598.5	51.7	-18.0	33.7	55.3	-21.6	Peak	Horizontal
3891.0	64.8	-9.6	55.2	82.3	-27.1	Peak	Horizontal
1563.5	57.2	-18.3	38.9	55.3	-16.4	Peak	Vertical
3891.0	59.3	-9.6	49.7	82.3	-32.6	Peak	Vertical
High Channel							
67.8	24.6	16.2	40.8	82.3	-41.5	Peak	Horizontal
119.7	23.4	15.6	39.0	82.3	-43.3	Peak	Horizontal
59.6	26.2	17.6	43.8	82.3	-38.5	Peak	Vertical
119.7	26.0	15.6	41.6	82.3	-40.7	Peak	Vertical
1570.5	59.5	-18.2	41.3	55.3	-14.0	Peak	Horizontal
3922.5	67.7	-9.6	58.1	82.3	-24.2	Peak	Horizontal
1570.5	57.9	-18.2	39.7	55.3	-15.6	Peak	Vertical
3929.5	63.7	-9.6	54.1	82.3	-28.2	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1&SIP-AC2	Test Engineer	Wayen Wang
Test Date	2022/07/08 ~ 2022/07/11	Test Band	LTE Band 26, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
119.7	23.0	15.6	38.6	82.3	-43.7	Peak	Horizontal
652.7	17.1	25.9	43.0	82.3	-39.3	Peak	Horizontal
67.8	29.0	16.2	45.2	82.3	-37.1	Peak	Vertical
119.7	25.8	15.6	41.4	82.3	-40.9	Peak	Vertical
1628.0	62.8	-16.0	46.8	82.3	-35.5	Peak	Horizontal
3256.0	50.8	-11.0	39.8	82.3	-42.5	Peak	Horizontal
1628.0	60.7	-16.0	44.7	82.3	-37.6	Peak	Vertical
3256.0	56.0	-11.0	45.0	82.3	-37.3	Peak	Vertical
Middle Channel							
59.6	18.3	17.6	35.9	82.3	-46.4	Peak	Horizontal
119.7	22.7	15.6	38.3	82.3	-44.0	Peak	Horizontal
67.8	33.8	16.2	50.0	82.3	-32.3	Peak	Vertical
119.7	25.9	15.6	41.5	82.3	-40.8	Peak	Vertical
1636.0	61.5	-16.0	45.5	82.3	-36.8	Peak	Horizontal
3276.0	56.1	-11.2	44.9	82.3	-37.4	Peak	Horizontal
2456.0	56.5	-12.7	43.8	82.3	-38.5	Peak	Vertical
3276.0	59.2	-11.2	48.0	82.3	-34.3	Peak	Vertical
High Channel							
119.7	22.4	15.6	38.0	82.3	-44.3	Peak	Horizontal
699.8	16.8	26.9	43.7	82.3	-38.6	Peak	Horizontal
67.8	28.4	16.2	44.6	82.3	-37.7	Peak	Vertical
119.7	25.7	15.6	41.3	82.3	-41.0	Peak	Vertical
1644.0	57.1	-16.1	41.0	82.3	-41.3	Peak	Horizontal
3292.0	56.9	-10.9	46.0	82.3	-36.3	Peak	Horizontal
3292.0	60.6	-10.9	49.7	82.3	-32.6	Peak	Vertical
4116.0	55.4	-7.4	48.0	82.3	-34.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1&SIP-AC2	Test Engineer	Wayen Wang
Test Date	2022/07/08 ~ 2022/07/11	Test Band	LTE Band 71, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	25.3	16.2	41.5	82.3	-40.8	Peak	Horizontal
119.7	22.8	15.6	38.4	82.3	-43.9	Peak	Horizontal
59.6	26.6	17.6	44.2	82.3	-38.1	Peak	Vertical
119.7	25.4	15.6	41.0	82.3	-41.3	Peak	Vertical
1327.0	66.9	-16.3	50.6	82.3	-31.7	Peak	Horizontal
1990.0	61.3	-14.1	47.2	82.3	-35.1	Peak	Horizontal
1327.0	67.4	-16.3	51.1	82.3	-31.2	Peak	Vertical
2653.0	60.2	-12.8	47.4	82.3	-34.9	Peak	Vertical
Middle Channel							
67.8	23.5	16.2	39.7	82.3	-42.6	Peak	Horizontal
119.7	22.9	15.6	38.5	82.3	-43.8	Peak	Horizontal
67.8	33.0	16.2	49.2	82.3	-33.1	Peak	Vertical
119.7	26.2	15.6	41.8	82.3	-40.5	Peak	Vertical
1348.0	63.4	-16.1	47.3	82.3	-35.0	Peak	Horizontal
2020.0	59.7	-14.4	45.3	82.3	-37.0	Peak	Horizontal
1348.0	64.6	-16.1	48.5	82.3	-33.8	Peak	Vertical
3367.0	61.6	-11.0	50.6	82.3	-31.7	Peak	Vertical
High Channel							
119.7	22.6	15.6	38.2	82.3	-44.1	Peak	Horizontal
422.4	16.4	21.2	37.6	82.3	-44.7	Peak	Horizontal
67.8	33.4	16.2	49.6	82.3	-32.7	Peak	Vertical
119.7	25.6	15.6	41.2	82.3	-41.1	Peak	Vertical
1387.0	69.7	-15.9	53.8	82.3	-28.5	Peak	Horizontal
2080.0	62.9	-13.7	49.2	82.3	-33.1	Peak	Horizontal
1387.0	66.6	-15.9	50.7	82.3	-31.6	Peak	Vertical
3466.0	63.1	-10.8	52.3	82.3	-30.0	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/07 ~ 2022/07/08	Test Band	LTE Band 38/41, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
64.9	4.0	16.8	20.8	70.3	-49.5	Peak	Horizontal
208.0	6.2	14.5	20.7	70.3	-49.6	Peak	Horizontal
68.3	16.8	16.1	32.9	70.3	-37.4	Peak	Vertical
99.8	23.9	13.3	37.2	70.3	-33.1	Peak	Vertical
7502.5	56.5	-5.6	50.9	70.3	-19.4	Peak	Horizontal
15348.0	47.9	4.0	51.9	70.3	-18.4	Peak	Horizontal
7502.5	59.1	-5.6	53.5	70.3	-16.8	Peak	Vertical
16810.0	48.5	5.4	53.9	70.3	-16.4	Peak	Vertical
Middle Channel							
67.8	26.2	16.2	42.4	70.3	-27.9	Peak	Horizontal
135.7	2.4	17.1	19.5	70.3	-50.8	Peak	Horizontal
34.9	13.5	16.9	30.4	70.3	-39.9	Peak	Vertical
99.8	15.3	13.3	28.6	70.3	-41.7	Peak	Vertical
7783.0	62.9	-5.2	57.7	70.3	-12.6	Peak	Horizontal
14090.0	48.4	2.2	50.6	70.3	-19.7	Peak	Horizontal
7783.0	64.7	-5.2	59.5	70.3	-10.8	Peak	Vertical
15246.0	47.9	4.2	52.1	70.3	-18.2	Peak	Vertical
High Channel							
67.8	25.4	16.2	41.6	70.3	-28.7	Peak	Horizontal
611.0	1.1	25.8	26.9	70.3	-43.4	Peak	Horizontal
67.8	28.4	16.2	44.6	70.3	-25.7	Peak	Vertical
135.7	17.6	17.1	34.7	70.3	-35.6	Peak	Vertical
2691.5	72.7	-13.7	59.0	70.3	-11.3	Peak	Horizontal
8063.5	66.1	-4.9	61.2	70.3	-9.1	Peak	Horizontal
2691.5	66.7	-13.7	53.0	70.3	-17.3	Peak	Vertical
8063.5	70.7	-4.9	65.8	70.3	-4.5	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/06 ~ 2022/07/07	Test Band	WCDMA Band 2, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
64.9	6.7	16.8	23.5	82.3	-58.8	Peak	Horizontal
480.1	4.8	22.6	27.4	82.3	-54.9	Peak	Horizontal
34.4	14.4	16.8	31.2	82.3	-51.1	Peak	Vertical
64.9	11.5	16.8	28.3	82.3	-54.0	Peak	Vertical
6652.5	50.9	-6.7	44.2	82.3	-38.1	Peak	Horizontal
14812.5	46.6	3.4	50.0	82.3	-32.3	Peak	Horizontal
10316.0	48.3	-2.4	45.9	82.3	-36.4	Peak	Vertical
15246.0	45.4	4.2	49.6	82.3	-32.7	Peak	Vertical
Middle Channel							
64.9	6.5	16.8	23.3	82.3	-59.0	Peak	Horizontal
726.9	2.1	26.9	29.0	82.3	-53.3	Peak	Horizontal
33.9	16.6	16.8	33.4	82.3	-48.9	Peak	Vertical
67.8	19.1	16.2	35.3	82.3	-47.0	Peak	Vertical
7519.5	58.0	-5.6	52.4	82.3	-29.9	Peak	Horizontal
9398.0	50.2	-2.9	47.3	82.3	-35.0	Peak	Horizontal
7511.0	56.8	-5.6	51.2	82.3	-31.1	Peak	Vertical
9398.0	52.9	-2.9	50.0	82.3	-32.3	Peak	Vertical
High Channel							
68.3	9.5	16.1	25.6	82.3	-56.7	Peak	Horizontal
480.1	4.0	22.6	26.6	82.3	-55.7	Peak	Horizontal
34.4	15.2	16.8	32.0	82.3	-50.3	Peak	Vertical
67.8	22.0	16.2	38.2	82.3	-44.1	Peak	Vertical
7630.0	58.1	-5.4	52.7	82.3	-29.6	Peak	Horizontal
15433.0	46.8	4.0	50.8	82.3	-31.5	Peak	Horizontal
7630.0	60.9	-5.4	55.5	82.3	-26.8	Peak	Vertical
9534.0	52.3	-3.2	49.1	82.3	-33.2	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/05 ~ 2022/07/06	Test Band	WCDMA Band 4, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
64.9	7.2	16.8	24.0	82.3	-58.3	Peak	Horizontal
480.1	5.0	22.6	27.6	82.3	-54.7	Peak	Horizontal
34.4	15.6	16.8	32.4	82.3	-49.9	Peak	Vertical
64.9	11.7	16.8	28.5	82.3	-53.8	Peak	Vertical
6848.0	56.8	-6.4	50.4	82.3	-31.9	Peak	Horizontal
15220.5	46.9	3.9	50.8	82.3	-31.5	Peak	Horizontal
6856.5	60.4	-6.3	54.1	82.3	-28.2	Peak	Vertical
8556.5	53.3	-3.9	49.4	82.3	-32.9	Peak	Vertical
Middle Channel							
716.3	2.8	26.9	29.7	82.3	-52.6	Peak	Horizontal
823.9	0.8	28.9	29.7	82.3	-52.6	Peak	Horizontal
34.4	16.6	16.8	33.4	82.3	-48.9	Peak	Vertical
67.8	25.9	16.2	42.1	82.3	-40.2	Peak	Vertical
6967.0	51.4	-6.3	45.1	82.3	-37.2	Peak	Horizontal
10401.0	48.1	-2.4	45.7	82.3	-36.6	Peak	Horizontal
6967.0	53.1	-6.3	46.8	82.3	-35.5	Peak	Vertical
8701.0	48.7	-3.5	45.2	82.3	-37.1	Peak	Vertical
High Channel							
64.9	7.0	16.8	23.8	82.3	-58.5	Peak	Horizontal
480.1	4.0	22.6	26.6	82.3	-55.7	Peak	Horizontal
34.4	17.2	16.8	34.0	82.3	-48.3	Peak	Vertical
67.8	20.6	16.2	36.8	82.3	-45.5	Peak	Vertical
7009.5	52.0	-6.3	45.7	82.3	-36.6	Peak	Horizontal
14260.0	46.9	2.4	49.3	82.3	-33.0	Peak	Horizontal
7009.5	54.3	-6.3	48.0	82.3	-34.3	Peak	Vertical
8939.0	49.1	-3.1	46.0	82.3	-36.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1, SIP-AC3	Test Engineer	Wayen Wang
Test Date	2022/07/06	Test Band	WCDMA Band 5, 1RB, QPSK
Antenna	PM320		

Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	13.5	16.2	29.7	82.3	-52.6	Peak	Horizontal
480.1	4.9	22.6	27.5	82.3	-54.8	Peak	Horizontal
34.4	15.7	16.8	32.5	82.3	-49.8	Peak	Vertical
68.3	20.6	16.1	36.7	82.3	-45.6	Peak	Vertical
5156.5	50.7	-8.1	42.6	82.3	-39.7	Peak	Horizontal
8692.5	48.1	-3.5	44.6	82.3	-37.7	Peak	Horizontal
6423.0	49.9	-7.2	42.7	82.3	-39.6	Peak	Vertical
8276.0	46.9	-4.3	42.6	82.3	-39.7	Peak	Vertical
Middle Channel							
64.9	5.7	16.8	22.5	82.3	-59.8	Peak	Horizontal
109.1	5.7	14.7	20.4	82.3	-61.9	Peak	Horizontal
34.4	17.5	16.8	34.3	82.3	-48.0	Peak	Vertical
68.3	12.9	16.1	29.0	82.3	-53.3	Peak	Vertical
6873.5	49.4	-6.2	43.2	82.3	-39.1	Peak	Horizontal
8565.0	48.9	-3.9	45.0	82.3	-37.3	Peak	Horizontal
7026.5	50.0	-6.1	43.9	82.3	-38.4	Peak	Vertical
9338.5	48.7	-2.9	45.8	82.3	-36.5	Peak	Vertical
High Channel							
67.8	12.2	16.2	28.4	82.3	-53.9	Peak	Horizontal
480.1	6.0	22.6	28.6	82.3	-53.7	Peak	Horizontal
34.4	16.5	16.8	33.3	82.3	-49.0	Peak	Vertical
64.9	11.1	16.8	27.9	82.3	-54.4	Peak	Vertical
7222.0	50.1	-6.0	44.1	82.3	-38.2	Peak	Horizontal
8607.5	48.1	-3.6	44.5	82.3	-37.8	Peak	Horizontal
8658.5	48.5	-3.5	45.0	82.3	-37.3	Peak	Vertical
14039.0	47.4	2.0	49.4	82.3	-32.9	Peak	Vertical
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 2/25, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
68.3	12.3	16.1	28.4	82.3	-53.9	Peak	Horizontal
705.6	1.9	27.0	28.9	82.3	-53.4	Peak	Horizontal
34.9	19.9	16.9	36.8	82.3	-45.5	Peak	Vertical
54.7	12.7	17.9	30.6	82.3	-51.7	Peak	Vertical
7400.5	56.5	-6.2	50.3	82.3	-32.0	Peak	Horizontal
9253.5	53.3	-4.4	48.9	82.3	-33.4	Peak	Horizontal
7400.5	58.6	-6.2	52.4	82.3	-29.9	Peak	Vertical
9253.5	52.8	-4.4	48.4	82.3	-33.9	Peak	Vertical
Middle Channel							
729.4	2.3	27.0	29.3	82.3	-53.0	Peak	Horizontal
872.4	2.0	28.2	30.2	82.3	-52.1	Peak	Horizontal
34.4	18.5	16.8	35.3	82.3	-47.0	Peak	Vertical
68.3	21.7	16.1	37.8	82.3	-44.5	Peak	Vertical
7528.0	65.5	-6.7	58.8	82.3	-23.5	Peak	Horizontal
9415.0	60.3	-4.4	55.9	82.3	-26.4	Peak	Horizontal
7528.0	67.4	-6.7	60.7	82.3	-21.6	Peak	Vertical
9415.0	56.2	-4.4	51.8	82.3	-30.5	Peak	Vertical
High Channel							
591.1	3.0	25.3	28.3	82.3	-54.0	Peak	Horizontal
771.6	1.4	27.9	29.3	82.3	-53.0	Peak	Horizontal
33.9	18.0	16.8	34.8	82.3	-47.5	Peak	Vertical
54.7	12.4	17.9	30.3	82.3	-52.0	Peak	Vertical
7655.5	74.2	-6.1	68.1	82.3	-14.2	Peak	Horizontal
9568.0	60.6	-4.5	56.1	82.3	-26.2	Peak	Horizontal
7655.5	75.3	-6.1	69.2	82.3	-13.1	Peak	Vertical
9568.0	60.1	-4.5	55.6	82.3	-26.7	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 4/66, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
109.1	4.6	14.7	19.3	82.3	-63.0	Peak	Horizontal
805.0	1.0	28.6	29.6	82.3	-52.7	Peak	Horizontal
33.9	21.2	16.8	38.0	82.3	-44.3	Peak	Vertical
54.7	13.4	17.9	31.3	82.3	-51.0	Peak	Vertical
6839.5	66.1	-6.9	59.2	82.3	-23.1	Peak	Horizontal
8556.5	59.1	-4.8	54.3	82.3	-28.0	Peak	Horizontal
6839.5	67.2	-6.9	60.3	82.3	-22.0	Peak	Vertical
8556.5	60.3	-4.8	55.5	82.3	-26.8	Peak	Vertical
Middle Channel							
54.7	3.9	17.9	21.8	82.3	-60.5	Peak	Horizontal
694.5	1.8	26.7	28.5	82.3	-53.8	Peak	Horizontal
33.9	20.1	16.8	36.9	82.3	-45.4	Peak	Vertical
54.7	15.4	17.9	33.3	82.3	-49.0	Peak	Vertical
6984.0	63.6	-6.9	56.7	82.3	-25.6	Peak	Horizontal
8726.5	60.9	-4.5	56.4	82.3	-25.9	Peak	Horizontal
6984.0	66.4	-6.9	59.5	82.3	-22.8	Peak	Vertical
8726.5	57.8	-4.5	53.3	82.3	-29.0	Peak	Vertical
High Channel							
54.7	4.6	17.9	22.5	82.3	-59.8	Peak	Horizontal
837.0	1.7	29.0	30.7	82.3	-51.6	Peak	Horizontal
34.4	19.3	16.8	36.1	82.3	-46.2	Peak	Vertical
54.7	11.5	17.9	29.4	82.3	-52.9	Peak	Vertical
7120.0	63.6	-6.1	57.5	82.3	-24.8	Peak	Horizontal
8896.5	59.3	-4.8	54.5	82.3	-27.8	Peak	Horizontal
7120.0	64.0	-6.1	57.9	82.3	-24.4	Peak	Vertical
8896.5	58.7	-4.8	53.9	82.3	-28.4	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 5/26, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
535.4	16.1	23.8	39.9	82.3	-42.4	Peak	Horizontal
745.9	16.8	27.9	44.7	82.3	-37.6	Peak	Horizontal
578.5	15.8	24.6	40.4	82.3	-41.9	Peak	Vertical
690.1	16.1	26.7	42.8	82.3	-39.5	Peak	Vertical
1648.0	73.9	-20.1	53.8	82.3	-28.5	Peak	Horizontal
4948.0	59.5	-9.3	50.2	82.3	-32.1	Peak	Horizontal
1648.0	68.8	-20.1	48.7	82.3	-33.6	Peak	Vertical
4948.0	60.1	-9.3	50.8	82.3	-31.5	Peak	Vertical
Middle Channel							
611.0	16.3	25.8	42.1	82.3	-40.2	Peak	Horizontal
729.9	16.4	27.0	43.4	82.3	-38.9	Peak	Horizontal
34.4	22.0	16.8	38.8	82.3	-43.5	Peak	Vertical
745.9	16.4	27.9	44.3	82.3	-38.0	Peak	Vertical
1672.0	74.5	-19.8	54.7	82.3	-27.6	Peak	Horizontal
5020.0	61.7	-9.4	52.3	82.3	-30.0	Peak	Horizontal
1672.0	69.2	-19.8	49.4	82.3	-32.9	Peak	Vertical
3348.0	64.9	-13.3	51.6	82.3	-30.7	Peak	Vertical
High Channel							
552.8	16.7	23.7	40.4	82.3	-41.9	Peak	Horizontal
700.8	16.5	26.9	43.4	82.3	-38.9	Peak	Horizontal
526.2	15.6	23.8	39.4	82.3	-42.9	Peak	Vertical
707.1	16.4	27.0	43.4	82.3	-38.9	Peak	Vertical
1696.0	77.7	-19.9	57.8	82.3	-24.5	Peak	Horizontal
3392.0	64.5	-12.8	51.7	82.3	-30.6	Peak	Horizontal
3392.0	65.4	-12.8	52.6	82.3	-29.7	Peak	Vertical
5088.0	58.9	-9.4	49.5	82.3	-32.8	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 7, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
Low Channel							
34.9	3.9	16.9	20.8	70.3	-49.5	Peak	Horizontal
105.2	8.3	14.2	22.5	70.3	-47.8	Peak	Horizontal
34.4	22.0	16.8	38.8	70.3	-31.5	Peak	Vertical
54.7	14.3	17.9	32.2	70.3	-38.1	Peak	Vertical
7511.0	56.8	-5.9	50.9	70.3	-19.4	Peak	Horizontal
16937.5	44.3	7.2	51.5	70.3	-18.8	Peak	Horizontal
7511.0	58.0	-5.9	52.1	70.3	-18.2	Peak	Vertical
15807.0	44.7	4.8	49.5	70.3	-20.8	Peak	Vertical
Middle Channel							
68.3	9.0	16.1	25.1	70.3	-45.2	Peak	Horizontal
839.5	0.8	28.8	29.6	70.3	-40.7	Peak	Horizontal
33.9	20.2	16.8	37.0	70.3	-33.3	Peak	Vertical
54.7	14.4	17.9	32.3	70.3	-38.0	Peak	Vertical
7604.5	59.1	-5.8	53.3	70.3	-17.0	Peak	Horizontal
16954.5	43.1	6.8	49.9	70.3	-20.4	Peak	Horizontal
7604.5	61.3	-5.8	55.5	70.3	-14.8	Peak	Vertical
16750.5	43.7	6.5	50.2	70.3	-20.1	Peak	Vertical
High Channel							
34.4	4.7	16.8	21.5	70.3	-48.8	Peak	Horizontal
728.4	2.3	27.0	29.3	70.3	-41.0	Peak	Horizontal
33.9	19.4	16.8	36.2	70.3	-34.1	Peak	Vertical
54.7	13.5	17.9	31.4	70.3	-38.9	Peak	Vertical
7706.5	63.5	-5.5	58.0	70.3	-12.3	Peak	Horizontal
16640.0	43.5	6.4	49.9	70.3	-20.4	Peak	Horizontal
7706.5	64.4	-5.5	58.9	70.3	-11.4	Peak	Vertical
16538.0	43.3	6.2	49.5	70.3	-20.8	Peak	Vertical
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 12, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
50.9	14.8	17.9	32.7	82.3	-49.6	Peak	Horizontal
615.4	15.7	25.7	41.4	82.3	-40.9	Peak	Horizontal
34.4	19.4	16.8	36.2	82.3	-46.1	Peak	Vertical
543.1	15.1	23.7	38.8	82.3	-43.5	Peak	Vertical
1400.0	86.8	-21.4	65.4	82.3	-16.9	Peak	Horizontal
2100.0	71.2	-18.0	53.2	82.3	-29.1	Peak	Horizontal
1400.0	91.4	-21.4	70.0	82.3	-12.3	Peak	Vertical
3500.0	62.7	-12.6	50.1	82.3	-32.2	Peak	Vertical
Middle Channel							
37.3	15.8	17.1	32.9	82.3	-49.4	Peak	Horizontal
580.0	16.7	24.7	41.4	82.3	-40.9	Peak	Horizontal
34.4	21.5	16.8	38.3	82.3	-44.0	Peak	Vertical
581.0	16.6	24.7	41.3	82.3	-41.0	Peak	Vertical
1416.0	95.0	-21.4	73.6	82.3	-8.7	Peak	Horizontal
2124.0	70.4	-18.0	52.4	82.3	-29.9	Peak	Horizontal
1416.0	99.0	-21.4	77.6	82.3	-4.7	Peak	Vertical
2832.0	67.8	-14.9	52.9	82.3	-29.4	Peak	Vertical
High Channel							
439.8	16.1	22.0	38.1	82.3	-44.2	Peak	Horizontal
591.6	15.8	25.3	41.1	82.3	-41.2	Peak	Horizontal
441.8	15.5	22.1	37.6	82.3	-44.7	Peak	Vertical
606.7	15.6	25.8	41.4	82.3	-40.9	Peak	Vertical
1432.0	98.9	-21.2	77.7	82.3	-4.6	Peak	Horizontal
2864.0	64.1	-15.0	49.1	82.3	-33.2	Peak	Horizontal
1432.0	95.3	-21.2	74.1	82.3	-8.2	RMS	Vertical
2860.0	69.8	-15.2	54.6	82.3	-27.7	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1&SIP-AC2	Test Engineer	Mero Zhou&Wayen Wang
Test Date	2022/07/05 ~ 2022/07/16	Test Band	LTE Band 13, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
458.7	16.4	22.2	38.6	82.3	-43.7	Peak	Horizontal
606.2	15.9	25.8	41.7	82.3	-40.6	Peak	Horizontal
34.4	20.3	16.8	37.1	82.3	-45.2	Peak	Vertical
603.8	16.2	25.6	41.8	82.3	-40.5	Peak	Vertical
1600.0	47.7	-16.2	31.5	55.3	-23.8	Peak	Horizontal
4664.0	55.4	-6.2	49.2	82.3	-33.1	Peak	Horizontal
1600.0	47.3	-16.2	31.1	55.3	-24.2	Peak	Vertical
4664.0	55.9	-6.2	49.7	82.3	-32.6	Peak	Vertical
Middle Channel							
370.0	17.6	20.0	37.6	82.3	-44.7	Peak	Horizontal
531.0	17.2	23.8	41.0	82.3	-41.3	Peak	Horizontal
438.4	17.1	22.0	39.1	82.3	-43.2	Peak	Vertical
598.4	16.4	25.5	41.9	82.3	-40.4	Peak	Vertical
1560.0	60.9	-16.2	44.7	55.3	-10.6	RMS	Horizontal
3900.0	59.6	-8.1	51.5	82.3	-30.8	Peak	Horizontal
1560.0	61.2	-16.2	45.0	55.3	-10.3	RMS	Vertical
3900.0	61.0	-8.1	52.9	82.3	-29.4	Peak	Vertical
High Channel							
450.5	16.0	22.2	38.2	82.3	-44.1	Peak	Horizontal
618.8	17.3	25.6	42.9	82.3	-39.4	Peak	Horizontal
436.9	15.6	22.0	37.6	82.3	-44.7	Peak	Vertical
588.7	16.3	25.2	41.5	82.3	-40.8	Peak	Vertical
1572.0	61.3	-16.1	45.2	55.3	-10.1	RMS	Horizontal
4720.0	56.3	-5.7	50.6	82.3	-31.7	Peak	Horizontal
1572.0	58.3	-16.1	42.2	55.3	-13.1	RMS	Vertical
4720.0	56.5	-5.7	50.8	82.3	-31.5	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 26, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
514.5	16.2	23.5	39.7	82.3	-42.6	Peak	Horizontal
692.0	16.4	26.7	43.1	82.3	-39.2	Peak	Horizontal
442.3	15.1	22.2	37.3	82.3	-45.0	Peak	Vertical
701.7	16.2	26.9	43.1	82.3	-39.2	Peak	Vertical
1628.0	69.0	-20.3	48.7	82.3	-33.6	Peak	Horizontal
4888.0	59.1	-9.4	49.7	82.3	-32.6	Peak	Horizontal
1628.0	68.5	-20.3	48.2	82.3	-34.1	Peak	Vertical
7332.0	54.6	-6.5	48.1	82.3	-34.2	Peak	Vertical
Middle Channel							
442.7	15.4	22.2	37.6	82.3	-44.7	Peak	Horizontal
676.5	16.3	26.3	42.6	82.3	-39.7	Peak	Horizontal
33.9	20.9	16.8	37.7	82.3	-44.6	Peak	Vertical
592.1	16.0	25.3	41.3	82.3	-41.0	Peak	Vertical
1640.0	70.0	-20.2	49.8	82.3	-32.5	Peak	Horizontal
4912.0	60.8	-9.5	51.3	82.3	-31.0	Peak	Horizontal
1636.0	70.0	-20.2	49.8	82.3	-32.5	Peak	Vertical
7372.0	54.5	-6.4	48.1	82.3	-34.2	Peak	Vertical
High Channel							
144.0	15.2	17.9	33.1	82.3	-49.2	Peak	Horizontal
597.0	16.6	25.4	42.0	82.3	-40.3	Peak	Horizontal
34.4	21.2	16.8	38.0	82.3	-44.3	Peak	Vertical
669.7	16.4	26.1	42.5	82.3	-39.8	Peak	Vertical
1648.0	73.8	-20.1	53.7	82.3	-28.6	Peak	Horizontal
4940.0	58.3	-9.3	49.0	82.3	-33.3	Peak	Horizontal
1648.0	70.2	-20.1	50.1	82.3	-32.2	Peak	Vertical
4940.0	56.7	-9.3	47.4	82.3	-34.9	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 71, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
34.9	3.0	16.9	19.9	82.3	-62.4	Peak	Horizontal
96.0	8.5	12.8	21.3	82.3	-61.0	Peak	Horizontal
34.9	18.2	16.9	35.1	82.3	-47.2	Peak	Vertical
68.3	16.6	16.1	32.7	82.3	-49.6	Peak	Vertical
1784.0	63.1	-19.2	43.9	82.3	-38.4	Peak	Horizontal
3328.0	54.2	-13.2	41.0	82.3	-41.3	Peak	Horizontal
1332.0	66.3	-21.7	44.6	82.3	-37.7	Peak	Vertical
5024.0	50.7	-9.4	41.3	82.3	-41.0	Peak	Vertical
Middle Channel							
67.8	4.6	16.2	20.8	82.3	-61.5	Peak	Horizontal
438.4	1.5	22.0	23.5	82.3	-58.8	Peak	Horizontal
34.9	18.9	16.9	35.8	82.3	-46.5	Peak	Vertical
68.3	16.5	16.1	32.6	82.3	-49.7	Peak	Vertical
1352.0	62.2	-21.5	40.7	82.3	-41.6	Peak	Horizontal
3372.0	55.9	-13.1	42.8	82.3	-39.5	Peak	Horizontal
1352.0	66.5	-21.5	45.0	82.3	-37.3	Peak	Vertical
3376.0	54.7	-13.1	41.6	82.3	-40.7	Peak	Vertical
High Channel							
67.8	14.3	16.2	30.5	82.3	-51.8	Peak	Horizontal
483.0	1.7	22.6	24.3	82.3	-58.0	Peak	Horizontal
34.9	18.5	16.9	35.4	82.3	-46.9	Peak	Vertical
54.7	13.2	17.9	31.1	82.3	-51.2	Peak	Vertical
1396.0	77.4	-21.4	56.0	82.3	-26.3	Peak	Horizontal
3476.0	57.1	-12.4	44.7	82.3	-37.6	Peak	Horizontal
1396.0	82.0	-21.4	60.6	82.3	-21.7	Peak	Vertical
3480.0	57.3	-12.3	45.0	82.3	-37.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/05	Test Band	LTE Band 38/41, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	8.2	16.2	24.4	70.3	-45.9	Peak	Horizontal
96.0	9.3	12.8	22.1	70.3	-48.2	Peak	Horizontal
34.9	19.7	16.9	36.6	70.3	-33.7	Peak	Vertical
67.8	25.4	16.2	41.6	70.3	-28.7	Peak	Vertical
7502.5	58.1	-5.9	52.2	70.3	-18.1	Peak	Horizontal
17235.0	43.6	7.5	51.1	70.3	-19.2	Peak	Horizontal
7494.0	61.7	-5.9	55.8	70.3	-14.5	Peak	Vertical
16946.0	43.6	7.2	50.8	70.3	-19.5	Peak	Vertical
Middle Channel							
68.3	8.6	16.1	24.7	70.3	-45.6	Peak	Horizontal
669.7	2.9	26.1	29.0	70.3	-41.3	Peak	Horizontal
34.9	17.8	16.9	34.7	70.3	-35.6	Peak	Vertical
54.7	11.3	17.9	29.2	70.3	-41.1	Peak	Vertical
7783.0	65.9	-6.0	59.9	70.3	-10.4	Peak	Horizontal
18000.0	42.5	8.5	51.0	70.3	-19.3	Peak	Horizontal
7783.0	66.7	-6.0	60.7	70.3	-9.6	Peak	Vertical
15807.0	44.9	4.8	49.7	70.3	-20.6	Peak	Vertical
High Channel							
54.7	2.8	17.9	20.7	70.3	-49.6	Peak	Horizontal
739.6	1.8	27.5	29.3	70.3	-41.0	Peak	Horizontal
34.4	18.3	16.8	35.1	70.3	-35.2	Peak	Vertical
54.7	11.8	17.9	29.7	70.3	-40.6	Peak	Vertical
8063.5	58.9	-5.3	53.6	70.3	-16.7	Peak	Horizontal
17090.5	44.0	6.3	50.3	70.3	-20.0	Peak	Horizontal
8063.5	59.9	-5.3	54.6	70.3	-15.7	Peak	Vertical
13435.5	49.8	-0.6	49.2	70.3	-21.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/30 ~ 2022/07/01	Test Band	WCDMA Band 2, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	22.1	16.2	38.3	82.3	-44.0	Peak	Horizontal
148.8	11.8	18.2	30.0	82.3	-52.3	Peak	Horizontal
67.8	31.4	16.2	47.6	82.3	-34.7	Peak	Vertical
149.8	12.7	18.2	30.9	82.3	-51.4	Peak	Vertical
7001.0	48.8	-6.6	42.2	82.3	-40.1	Peak	Horizontal
10528.5	47.8	-3.5	44.3	82.3	-38.0	Peak	Horizontal
7409.0	50.7	-6.2	44.5	82.3	-37.8	Peak	Vertical
15586.0	43.8	4.5	48.3	82.3	-34.0	Peak	Vertical
Middle Channel							
148.8	9.1	18.2	27.3	82.3	-55.0	Peak	Horizontal
284.1	9.7	18.1	27.8	82.3	-54.5	Peak	Horizontal
67.8	33.4	16.2	49.6	82.3	-32.7	Peak	Vertical
149.3	12.9	18.2	31.1	82.3	-51.2	Peak	Vertical
7519.5	58.8	-6.3	52.5	82.3	-29.8	Peak	Horizontal
9406.5	54.1	-4.5	49.6	82.3	-32.7	Peak	Horizontal
7519.5	61.8	-6.3	55.5	82.3	-26.8	Peak	Vertical
9406.5	53.9	-4.5	49.4	82.3	-32.9	Peak	Vertical
High Channel							
67.8	19.4	16.2	35.6	82.3	-46.7	Peak	Horizontal
148.8	11.4	18.2	29.6	82.3	-52.7	Peak	Horizontal
32.4	17.7	16.7	34.4	82.3	-47.9	Peak	Vertical
148.8	12.1	18.2	30.3	82.3	-52.0	Peak	Vertical
7621.5	60.4	-5.9	54.5	82.3	-27.8	Peak	Horizontal
9534.0	51.1	-4.3	46.8	82.3	-35.5	Peak	Horizontal
7621.5	63.3	-5.9	57.4	82.3	-24.9	Peak	Vertical
9534.0	51.5	-4.3	47.2	82.3	-35.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/30 ~ 2022/07/01	Test Band	WCDMA Band 4, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	22.5	16.2	38.7	82.3	-43.6	Peak	Horizontal
284.6	8.9	18.2	27.1	82.3	-55.2	Peak	Horizontal
31.9	17.4	16.5	33.9	82.3	-48.4	Peak	Vertical
148.8	12.6	18.2	30.8	82.3	-51.5	Peak	Vertical
6856.5	58.8	-6.8	52.0	82.3	-30.3	Peak	Horizontal
8565.0	52.0	-5.0	47.0	82.3	-35.3	Peak	Horizontal
6856.5	63.7	-6.8	56.9	82.3	-25.4	Peak	Vertical
8565.0	52.9	-5.0	47.9	82.3	-34.4	Peak	Vertical
Middle Channel							
67.8	18.7	16.2	34.9	82.3	-47.4	Peak	Horizontal
149.3	11.9	18.2	30.1	82.3	-52.2	Peak	Horizontal
67.8	31.6	16.2	47.8	82.3	-34.5	Peak	Vertical
148.8	12.6	18.2	30.8	82.3	-51.5	Peak	Vertical
6967.0	55.9	-7.0	48.9	82.3	-33.4	Peak	Horizontal
8701.0	51.6	-4.6	47.0	82.3	-35.3	Peak	Horizontal
6967.0	62.1	-7.0	55.1	82.3	-27.2	Peak	Vertical
8692.5	52.3	-4.7	47.6	82.3	-34.7	Peak	Vertical
High Channel							
67.8	16.7	16.2	32.9	82.3	-49.4	Peak	Horizontal
149.3	11.7	18.2	29.9	82.3	-52.4	Peak	Horizontal
67.8	29.1	16.2	45.3	82.3	-37.0	Peak	Vertical
149.3	12.3	18.2	30.5	82.3	-51.8	Peak	Vertical
7009.5	56.7	-6.6	50.1	82.3	-32.2	Peak	Horizontal
8760.5	53.3	-4.9	48.4	82.3	-33.9	Peak	Horizontal
7009.5	59.8	-6.6	53.2	82.3	-29.1	Peak	Vertical
8760.5	51.2	-4.9	46.3	82.3	-36.0	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/30 ~ 2022/07/01	Test Band	WCDMA Band 5, 1RB, QPSK
Antenna	RM700		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
149.3	11.5	18.2	29.7	82.3	-52.6	Peak	Horizontal
538.8	11.0	23.7	34.7	82.3	-47.6	Peak	Horizontal
31.9	18.3	16.5	34.8	82.3	-47.5	Peak	Vertical
149.8	14.1	18.2	32.3	82.3	-50.0	Peak	Vertical
1652.0	67.1	-20.0	47.1	82.3	-35.2	Peak	Horizontal
3312.0	60.6	-12.8	47.8	82.3	-34.5	Peak	Horizontal
1652.0	65.3	-20.0	45.3	82.3	-37.0	Peak	Vertical
4952.0	57.1	-9.2	47.9	82.3	-34.4	Peak	Vertical
Middle Channel							
67.8	20.3	16.2	36.5	82.3	-45.8	Peak	Horizontal
147.4	13.2	18.2	31.4	82.3	-50.9	Peak	Horizontal
67.8	23.0	16.2	39.2	82.3	-43.1	Peak	Vertical
149.8	14.1	18.2	32.3	82.3	-50.0	Peak	Vertical
1672.0	68.4	-19.8	48.6	82.3	-33.7	Peak	Horizontal
5012.0	58.5	-9.4	49.1	82.3	-33.2	Peak	Horizontal
1672.0	65.6	-19.8	45.8	82.3	-36.5	Peak	Vertical
5004.0	57.1	-9.4	47.7	82.3	-34.6	Peak	Vertical
High Channel							
67.8	19.1	16.2	35.3	82.3	-47.0	Peak	Horizontal
149.3	13.8	18.2	32.0	82.3	-50.3	Peak	Horizontal
67.8	30.2	16.2	46.4	82.3	-35.9	Peak	Vertical
150.3	14.1	18.2	32.3	82.3	-50.0	Peak	Vertical
1696.0	71.5	-19.9	51.6	82.3	-30.7	Peak	Horizontal
5076.0	55.5	-9.4	46.1	82.3	-36.2	Peak	Horizontal
1696.0	65.7	-19.9	45.8	82.3	-36.5	Peak	Vertical
5072.0	56.6	-9.4	47.2	82.3	-35.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 2/25, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
66.9	9.5	16.4	25.9	82.3	-56.4	Peak	Horizontal
205.1	11.9	14.3	26.2	82.3	-56.1	Peak	Horizontal
34.4	17.1	16.8	33.9	82.3	-48.4	Peak	Vertical
67.8	17.0	16.2	33.2	82.3	-49.1	Peak	Vertical
10452.0	47.5	-3.7	43.8	82.3	-38.5	Peak	Horizontal
16937.5	43.1	7.2	50.3	82.3	-32.0	Peak	Horizontal
7400.5	52.2	-6.2	46.0	82.3	-36.3	Peak	Vertical
17116.0	44.9	6.5	51.4	82.3	-30.9	Peak	Vertical
Middle Channel							
66.9	11.7	16.4	28.1	82.3	-54.2	Peak	Horizontal
205.1	11.3	14.3	25.6	82.3	-56.7	Peak	Horizontal
34.4	16.4	16.8	33.2	82.3	-49.1	Peak	Vertical
66.9	17.1	16.4	33.5	82.3	-48.8	Peak	Vertical
7528.0	55.1	-6.7	48.4	82.3	-33.9	Peak	Horizontal
9415.0	51.6	-4.4	47.2	82.3	-35.1	Peak	Horizontal
5649.5	60.2	-8.8	51.4	82.3	-30.9	Peak	Vertical
9415.0	58.0	-4.4	53.6	82.3	-28.7	Peak	Vertical
High Channel							
66.9	12.6	16.4	29.0	82.3	-53.3	Peak	Horizontal
967.5	1.5	30.0	31.5	82.3	-50.8	Peak	Horizontal
34.4	17.1	16.8	33.9	82.3	-48.4	Peak	Vertical
66.9	16.8	16.4	33.2	82.3	-49.1	Peak	Vertical
10809.0	48.0	-3.8	44.2	82.3	-38.1	Peak	Horizontal
16980.0	43.9	6.4	50.3	82.3	-32.0	Peak	Horizontal
7562.0	55.3	-5.9	49.4	82.3	-32.9	Peak	Vertical
14872.0	45.1	2.6	47.7	82.3	-34.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 4/66, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
66.9	13.1	16.4	29.5	82.3	-52.8	Peak	Horizontal
724.5	2.1	26.9	29.0	82.3	-53.3	Peak	Horizontal
34.4	17.1	16.8	33.9	82.3	-48.4	Peak	Vertical
66.9	16.8	16.4	33.2	82.3	-49.1	Peak	Vertical
6839.5	53.6	-6.9	46.7	82.3	-35.6	Peak	Horizontal
16946.0	43.9	7.2	51.1	82.3	-31.2	Peak	Horizontal
6839.5	57.9	-6.9	51.0	82.3	-31.3	Peak	Vertical
8556.5	52.7	-4.8	47.9	82.3	-34.4	Peak	Vertical
Middle Channel							
66.9	8.8	16.4	25.2	82.3	-57.1	Peak	Horizontal
205.1	11.1	14.3	25.4	82.3	-56.9	Peak	Horizontal
34.4	17.7	16.8	34.5	82.3	-47.8	Peak	Vertical
66.9	17.1	16.4	33.5	82.3	-48.8	Peak	Vertical
6984.0	55.3	-6.9	48.4	82.3	-33.9	Peak	Horizontal
16852.5	43.8	6.2	50.0	82.3	-32.3	Peak	Horizontal
6984.0	58.6	-6.9	51.7	82.3	-30.6	Peak	Vertical
8726.5	52.8	-4.5	48.3	82.3	-34.0	Peak	Vertical
High Channel							
66.9	12.2	16.4	28.6	82.3	-53.7	Peak	Horizontal
680.4	2.7	26.4	29.1	82.3	-53.2	Peak	Horizontal
34.4	17.8	16.8	34.6	82.3	-47.7	Peak	Vertical
66.9	16.7	16.4	33.1	82.3	-49.2	Peak	Vertical
3499.0	53.9	-12.6	41.3	82.3	-41.0	Peak	Horizontal
6992.5	56.5	-6.8	49.7	82.3	-32.6	Peak	Horizontal
6992.5	64.0	-6.8	57.2	82.3	-25.1	Peak	Vertical
8743.5	54.0	-4.7	49.3	82.3	-33.0	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 5/26, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
42.1	10.8	17.5	28.3	82.3	-54.0	Peak	Horizontal
160.5	11.1	18.0	29.1	82.3	-53.2	Peak	Horizontal
34.4	21.7	16.8	38.5	82.3	-43.8	Peak	Vertical
144.5	14.3	17.9	32.2	82.3	-50.1	Peak	Vertical
3300.0	60.0	-13.0	47.0	82.3	-35.3	Peak	Horizontal
6600.0	52.4	-7.5	44.9	82.3	-37.4	Peak	Horizontal
4124.0	65.5	-11.0	54.5	82.3	-27.8	Peak	Vertical
4948.0	59.5	-9.3	50.2	82.3	-32.1	Peak	Vertical
Middle Channel							
54.7	10.5	17.9	28.4	82.3	-53.9	Peak	Horizontal
520.3	11.8	23.8	35.6	82.3	-46.7	Peak	Horizontal
33.9	18.4	16.8	35.2	82.3	-47.1	Peak	Vertical
151.7	13.3	18.3	31.6	82.3	-50.7	Peak	Vertical
3348.0	62.4	-13.3	49.1	82.3	-33.2	Peak	Horizontal
4184.0	59.9	-11.4	48.5	82.3	-33.8	Peak	Horizontal
4184.0	67.4	-11.4	56.0	82.3	-26.3	Peak	Vertical
5020.0	61.8	-9.4	52.4	82.3	-29.9	Peak	Vertical
High Channel							
55.2	9.7	17.9	27.6	82.3	-54.7	Peak	Horizontal
846.7	33.7	28.9	62.6	82.3	-19.7	Peak	Horizontal
34.4	18.5	16.8	35.3	82.3	-47.0	Peak	Vertical
144.5	14.6	17.9	32.5	82.3	-49.8	Peak	Vertical
3392.0	63.1	-12.8	50.3	82.3	-32.0	Peak	Horizontal
4240.0	57.8	-11.1	46.7	82.3	-35.6	Peak	Horizontal
3392.0	64.9	-12.8	52.1	82.3	-30.2	Peak	Vertical
4240.0	65.8	-11.1	54.7	82.3	-27.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 7, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
Low Channel							
66.9	10.3	16.4	26.7	70.3	-43.6	Peak	Horizontal
204.6	10.7	14.3	25.0	70.3	-45.3	Peak	Horizontal
34.9	17.6	16.9	34.5	70.3	-35.8	Peak	Vertical
66.9	16.6	16.4	33.0	70.3	-37.3	Peak	Vertical
7579.0	49.7	-5.4	44.3	70.3	-26.0	Peak	Horizontal
17252.0	43.5	7.3	50.8	70.3	-19.5	Peak	Horizontal
7579.0	54.3	-5.4	48.9	70.3	-21.4	Peak	Vertical
17337.0	43.2	7.9	51.1	70.3	-19.2	Peak	Vertical
Middle Channel							
66.9	9.8	16.4	26.2	70.3	-44.1	Peak	Horizontal
968.5	1.7	30.1	31.8	70.3	-38.5	Peak	Horizontal
33.9	17.2	16.8	34.0	70.3	-36.3	Peak	Vertical
66.9	16.2	16.4	32.6	70.3	-37.7	Peak	Vertical
7613.0	52.4	-5.9	46.5	70.3	-23.8	Peak	Horizontal
16648.5	43.9	6.0	49.9	70.3	-20.4	Peak	Horizontal
7604.5	56.0	-5.8	50.2	70.3	-20.1	Peak	Vertical
16759.0	44.0	6.3	50.3	70.3	-20.0	Peak	Vertical
High Channel							
66.9	9.1	16.4	25.5	70.3	-44.8	Peak	Horizontal
480.1	4.8	22.6	27.4	70.3	-42.9	Peak	Horizontal
34.4	17.6	16.8	34.4	70.3	-35.9	Peak	Vertical
66.9	16.7	16.4	33.1	70.3	-37.2	Peak	Vertical
7638.5	50.8	-5.9	44.9	70.3	-25.4	Peak	Horizontal
18000.0	43.7	8.5	52.2	70.3	-18.1	Peak	Horizontal
7638.5	56.7	-5.9	50.8	70.3	-19.5	Peak	Vertical
16623.0	44.6	5.7	50.3	70.3	-20.0	Peak	Vertical
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 12, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
67.8	16.5	16.2	32.7	82.3	-49.6	Peak	Horizontal
435.0	10.8	21.9	32.7	82.3	-49.6	Peak	Horizontal
67.8	20.5	16.2	36.7	82.3	-45.6	Peak	Vertical
519.4	11.4	23.8	35.2	82.3	-47.1	Peak	Vertical
1400.0	59.0	-21.4	37.6	82.3	-44.7	Peak	Horizontal
2100.0	60.3	-18.0	42.3	82.3	-40.0	Peak	Horizontal
2100.0	64.0	-18.0	46.0	82.3	-36.3	Peak	Vertical
3500.0	55.6	-12.6	43.0	82.3	-39.3	Peak	Vertical
Middle Channel							
56.7	10.2	17.7	27.9	82.3	-54.4	Peak	Horizontal
446.1	11.4	22.1	33.5	82.3	-48.8	Peak	Horizontal
34.9	16.9	16.9	33.8	82.3	-48.5	Peak	Vertical
578.1	11.8	24.6	36.4	82.3	-45.9	Peak	Vertical
2124.0	63.7	-18.0	45.7	82.3	-36.6	Peak	Horizontal
3536.0	59.2	-12.5	46.7	82.3	-35.6	Peak	Horizontal
3540.0	64.2	-12.5	51.7	82.3	-30.6	Peak	Vertical
4244.0	62.7	-11.1	51.6	82.3	-30.7	Peak	Vertical
High Channel							
63.5	12.5	17.0	29.5	82.3	-52.8	Peak	Horizontal
580.5	12.2	24.7	36.9	82.3	-45.4	Peak	Horizontal
67.8	20.8	16.2	37.0	82.3	-45.3	Peak	Vertical
178.4	13.3	16.6	29.9	82.3	-52.4	Peak	Vertical
2144.0	60.7	-17.6	43.1	82.3	-39.2	Peak	Horizontal
3576.0	53.0	-12.4	40.6	82.3	-41.7	Peak	Horizontal
2144.0	57.6	-17.6	40.0	82.3	-42.3	Peak	Vertical
3580.0	57.1	-12.4	44.7	82.3	-37.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 13, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
43.1	14.3	17.6	31.9	82.3	-50.4	Peak	Horizontal
593.1	16.5	25.3	41.8	82.3	-40.5	Peak	Horizontal
67.8	21.6	16.2	37.8	82.3	-44.5	Peak	Vertical
569.8	16.6	24.2	40.8	82.3	-41.5	Peak	Vertical
1560.0	56.1	-20.3	35.8	55.3	-19.5	Peak	Horizontal
3900.0	55.4	-11.2	44.2	82.3	-38.1	Peak	Horizontal
1560.0	53.8	-20.3	33.5	55.3	-21.8	Peak	Vertical
3904.0	62.9	-11.2	51.7	82.3	-30.6	Peak	Vertical
Middle Channel							
52.3	14.6	17.9	32.5	82.3	-49.8	Peak	Horizontal
514.5	16.2	23.5	39.7	82.3	-42.6	Peak	Horizontal
34.9	19.2	16.9	36.1	82.3	-46.2	Peak	Vertical
582.4	16.8	24.8	41.6	82.3	-40.7	Peak	Vertical
1564.0	53.8	-20.3	33.5	55.3	-21.8	Peak	Horizontal
3916.0	59.4	-11.2	48.2	82.3	-34.1	Peak	Horizontal
1564.0	53.1	-20.3	32.8	55.3	-22.5	Peak	Vertical
3916.0	58.0	-11.2	46.8	82.3	-35.5	Peak	Vertical
High Channel							
50.9	13.9	17.9	31.8	82.3	-50.5	Peak	Horizontal
583.4	16.5	24.8	41.3	82.3	-41.0	Peak	Horizontal
34.4	19.3	16.8	36.1	82.3	-46.2	Peak	Vertical
491.2	17.7	22.6	40.3	82.3	-42.0	Peak	Vertical
1572.0	52.6	-20.3	32.3	55.3	-23.0	Peak	Horizontal
3916.0	54.5	-11.2	43.3	82.3	-39.0	Peak	Horizontal
1572.0	53.8	-20.3	33.5	55.3	-21.8	Peak	Vertical
3924.0	60.8	-11.1	49.7	82.3	-32.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 26, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
49.4	14.5	17.9	32.4	82.3	-49.9	Peak	Horizontal
599.4	16.4	25.6	42.0	82.3	-40.3	Peak	Horizontal
67.8	20.5	16.2	36.7	82.3	-45.6	Peak	Vertical
605.2	17.0	25.7	42.7	82.3	-39.6	Peak	Vertical
1628.0	58.1	-20.3	37.8	82.3	-44.5	Peak	Horizontal
4888.0	54.3	-9.4	44.9	82.3	-37.4	Peak	Horizontal
1780.0	64.2	-19.2	45.0	82.3	-37.3	Peak	Vertical
4072.0	63.6	-11.7	51.9	82.3	-30.4	Peak	Vertical
Middle Channel							
31.0	15.5	16.5	32.0	82.3	-50.3	Peak	Horizontal
620.7	16.3	25.6	41.9	82.3	-40.4	Peak	Horizontal
33.9	19.7	16.8	36.5	82.3	-45.8	Peak	Vertical
527.6	16.6	23.8	40.4	82.3	-41.9	Peak	Vertical
3276.0	59.7	-13.2	46.5	82.3	-35.8	Peak	Horizontal
4096.0	58.7	-11.3	47.4	82.3	-34.9	Peak	Horizontal
4096.0	67.0	-11.3	55.7	82.3	-26.6	Peak	Vertical
4916.0	62.0	-9.4	52.6	82.3	-29.7	Peak	Vertical
High Channel							
66.9	16.2	16.4	32.6	82.3	-49.7	Peak	Horizontal
644.5	16.8	25.7	42.5	82.3	-39.8	Peak	Horizontal
33.9	18.3	16.8	35.1	82.3	-47.2	Peak	Vertical
600.4	17.0	25.6	42.6	82.3	-39.7	Peak	Vertical
3296.0	57.4	-13.0	44.4	82.3	-37.9	Peak	Horizontal
6588.0	51.3	-7.6	43.7	82.3	-38.6	Peak	Horizontal
4116.0	65.0	-10.8	54.2	82.3	-28.1	Peak	Vertical
7408.0	56.0	-6.2	49.8	82.3	-32.5	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 71, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
47.5	14.8	17.8	32.6	82.3	-49.7	Peak	Horizontal
544.1	16.7	23.7	40.4	82.3	-41.9	Peak	Horizontal
63.5	18.2	17.0	35.2	82.3	-47.1	Peak	Vertical
466.0	16.4	22.3	38.7	82.3	-43.6	Peak	Vertical
1992.0	54.6	-18.1	36.5	82.3	-45.8	Peak	Horizontal
7584.0	48.4	-5.5	42.9	82.3	-39.4	Peak	Horizontal
4000.0	57.2	-11.6	45.6	82.3	-36.7	Peak	Vertical
7124.0	48.5	-6.1	42.4	82.3	-39.9	Peak	Vertical
Middle Channel							
62.0	15.6	17.3	32.9	82.3	-49.4	Peak	Horizontal
446.1	16.5	22.1	38.6	82.3	-43.7	Peak	Horizontal
67.8	21.7	16.2	37.9	82.3	-44.4	Peak	Vertical
434.0	16.0	21.8	37.8	82.3	-44.5	Peak	Vertical
2028.0	57.4	-18.2	39.2	82.3	-43.1	Peak	Horizontal
7704.0	48.2	-5.5	42.7	82.3	-39.6	Peak	Horizontal
4048.0	55.2	-11.5	43.7	82.3	-38.6	Peak	Vertical
7700.0	47.7	-5.4	42.3	82.3	-40.0	Peak	Vertical
High Channel							
44.1	14.6	17.7	32.3	82.3	-50.0	Peak	Horizontal
578.5	16.4	24.6	41.0	82.3	-41.3	Peak	Horizontal
33.9	19.6	16.8	36.4	82.3	-45.9	Peak	Vertical
447.6	17.0	22.2	39.2	82.3	-43.1	Peak	Vertical
2088.0	55.4	-18.0	37.4	82.3	-44.9	Peak	Horizontal
7700.0	48.8	-5.4	43.4	82.3	-38.9	Peak	Horizontal
2084.0	57.1	-18.0	39.1	82.3	-43.2	Peak	Vertical
3472.0	52.9	-12.5	40.4	82.3	-41.9	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/28 ~ 2022/07/01	Test Band	LTE Band 38/41, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
66.9	9.1	16.4	25.5	70.3	-44.8	Peak	Horizontal
265.7	7.9	17.1	25.0	70.3	-45.3	Peak	Horizontal
34.4	17.2	16.8	34.0	70.3	-36.3	Peak	Vertical
66.9	13.5	16.4	29.9	70.3	-40.4	Peak	Vertical
7766.0	50.5	-6.2	44.3	70.3	-26.0	Peak	Horizontal
17235.0	44.7	7.5	52.2	70.3	-18.1	Peak	Horizontal
7766.0	53.9	-6.2	47.7	70.3	-22.6	Peak	Vertical
17864.0	43.3	7.9	51.2	70.3	-19.1	Peak	Vertical
Middle Channel							
66.9	10.1	16.4	26.5	70.3	-43.8	Peak	Horizontal
265.2	8.8	17.0	25.8	70.3	-44.5	Peak	Horizontal
34.4	17.3	16.8	34.1	70.3	-36.2	Peak	Vertical
66.9	16.3	16.4	32.7	70.3	-37.6	Peak	Vertical
7783.0	51.9	-6.0	45.9	70.3	-24.4	Peak	Horizontal
17872.5	43.6	7.6	51.2	70.3	-19.1	Peak	Horizontal
7774.5	56.7	-6.1	50.6	70.3	-19.7	Peak	Vertical
18000.0	43.4	8.5	51.9	70.3	-18.4	Peak	Vertical
High Channel							
66.9	8.6	16.4	25.0	70.3	-45.3	Peak	Horizontal
205.1	11.0	14.3	25.3	70.3	-45.0	Peak	Horizontal
34.4	17.7	16.8	34.5	70.3	-35.8	Peak	Vertical
66.9	17.1	16.4	33.5	70.3	-36.8	Peak	Vertical
7791.5	52.6	-5.9	46.7	70.3	-23.6	Peak	Horizontal
16844.0	44.0	6.3	50.3	70.3	-20.0	Peak	Horizontal
7791.5	57.2	-5.9	51.3	70.3	-19.0	Peak	Vertical
17983.0	42.6	8.3	50.9	70.3	-19.4	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/29 ~ 2022/07/01	Test Band	WCDMA Band 2, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBµV)	Factor (dB)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
Low Channel							
199.8	12.8	14.4	27.2	82.3	-55.1	Peak	Horizontal
737.1	1.3	27.5	28.8	82.3	-53.5	Peak	Horizontal
34.4	17.9	16.8	34.7	82.3	-47.6	Peak	Vertical
67.8	18.7	16.2	34.9	82.3	-47.4	Peak	Vertical
10350.0	48.3	-3.4	44.9	82.3	-37.4	Peak	Horizontal
16852.5	45.0	6.2	51.2	82.3	-31.1	Peak	Horizontal
10571.0	48.1	-3.7	44.4	82.3	-37.9	Peak	Vertical
17872.5	43.2	7.6	50.8	82.3	-31.5	Peak	Vertical
Middle Channel							
66.9	10.5	16.4	26.9	82.3	-55.4	Peak	Horizontal
198.8	12.9	14.5	27.4	82.3	-54.9	Peak	Horizontal
34.4	17.4	16.8	34.2	82.3	-48.1	Peak	Vertical
66.9	17.0	16.4	33.4	82.3	-48.9	Peak	Vertical
5641.0	53.2	-8.9	44.3	82.3	-38.0	Peak	Horizontal
17592.0	43.3	7.6	50.9	82.3	-31.4	Peak	Horizontal
7519.5	53.4	-6.3	47.1	82.3	-35.2	Peak	Vertical
9398.0	54.0	-4.6	49.4	82.3	-32.9	Peak	Vertical
High Channel							
34.4	11.2	16.8	28.0	82.3	-54.3	Peak	Horizontal
269.6	8.2	17.3	25.5	82.3	-56.8	Peak	Horizontal
34.4	17.2	16.8	34.0	82.3	-48.3	Peak	Vertical
66.9	15.8	16.4	32.2	82.3	-50.1	Peak	Vertical
5717.5	53.4	-8.8	44.6	82.3	-37.7	Peak	Horizontal
12169.0	47.0	-2.2	44.8	82.3	-37.5	Peak	Horizontal
5717.5	55.2	-8.8	46.4	82.3	-35.9	Peak	Vertical
7630.0	53.6	-5.9	47.7	82.3	-34.6	Peak	Vertical
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/30 ~ 2022/07/01	Test Band	WCDMA Band 4, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
65.4	8.0	16.7	24.7	82.3	-57.6	Peak	Horizontal
480.1	4.4	22.6	27.0	82.3	-55.3	Peak	Horizontal
34.4	17.1	16.8	33.9	82.3	-48.4	Peak	Vertical
66.9	16.3	16.4	32.7	82.3	-49.6	Peak	Vertical
6848.0	53.0	-6.8	46.2	82.3	-36.1	Peak	Horizontal
16929.0	42.7	7.2	49.9	82.3	-32.4	Peak	Horizontal
6848.0	51.1	-6.8	44.3	82.3	-38.0	Peak	Vertical
16937.5	43.2	7.2	50.4	82.3	-31.9	Peak	Vertical
Middle Channel							
67.8	8.4	16.2	24.6	82.3	-57.7	Peak	Horizontal
480.1	4.5	22.6	27.1	82.3	-55.2	Peak	Horizontal
34.4	17.3	16.8	34.1	82.3	-48.2	Peak	Vertical
66.9	16.6	16.4	33.0	82.3	-49.3	Peak	Vertical
9406.5	47.8	-4.5	43.3	82.3	-39.0	Peak	Horizontal
17821.5	44.3	6.8	51.1	82.3	-31.2	Peak	Horizontal
8692.5	48.3	-4.7	43.6	82.3	-38.7	Peak	Vertical
17235.0	43.7	7.5	51.2	82.3	-31.1	Peak	Vertical
High Channel							
66.9	9.1	16.4	25.5	82.3	-56.8	Peak	Horizontal
480.1	4.3	22.6	26.9	82.3	-55.4	Peak	Horizontal
66.9	16.2	16.4	32.6	82.3	-49.7	Peak	Vertical
145.4	9.9	18.1	28.0	82.3	-54.3	Peak	Vertical
7009.5	54.2	-6.6	47.6	82.3	-34.7	Peak	Horizontal
16742.0	43.7	6.6	50.3	82.3	-32.0	Peak	Horizontal
7018.0	55.2	-6.6	48.6	82.3	-33.7	Peak	Vertical
17235.0	43.7	7.5	51.2	82.3	-31.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Test Site	SIP-AC1	Test Engineer	Mero Zhou
Test Date	2022/06/30 ~ 2022/07/01	Test Band	WCDMA Band 5, 1RB, QPSK
Antenna	RM510		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
145.9	10.8	18.1	28.9	82.3	-53.4	Peak	Horizontal
576.1	11.7	24.4	36.1	82.3	-46.2	Peak	Horizontal
66.9	16.8	16.4	33.2	82.3	-49.1	Peak	Vertical
176.0	13.9	16.8	30.7	82.3	-51.6	Peak	Vertical
3304.0	53.1	-12.9	40.2	82.3	-42.1	Peak	Horizontal
8416.0	47.9	-4.9	43.0	82.3	-39.3	Peak	Horizontal
3300.0	57.0	-13.0	44.0	82.3	-38.3	Peak	Vertical
4952.0	52.0	-9.2	42.8	82.3	-39.5	Peak	Vertical
Middle Channel							
47.0	10.3	17.8	28.1	82.3	-54.2	Peak	Horizontal
149.3	10.5	18.2	28.7	82.3	-53.6	Peak	Horizontal
33.9	17.2	16.8	34.0	82.3	-48.3	Peak	Vertical
66.9	17.7	16.4	34.1	82.3	-48.2	Peak	Vertical
3344.0	57.4	-13.3	44.1	82.3	-38.2	Peak	Horizontal
4172.0	53.4	-11.3	42.1	82.3	-40.2	Peak	Horizontal
3344.0	59.3	-13.3	46.0	82.3	-36.3	Peak	Vertical
6684.0	52.3	-7.2	45.1	82.3	-37.2	Peak	Vertical
High Channel							
66.9	12.3	16.4	28.7	82.3	-53.6	Peak	Horizontal
538.3	12.5	23.7	36.2	82.3	-46.1	Peak	Horizontal
34.4	18.4	16.8	35.2	82.3	-47.1	Peak	Vertical
146.9	13.0	18.1	31.1	82.3	-51.2	Peak	Vertical
3388.0	57.5	-12.9	44.6	82.3	-37.7	Peak	Horizontal
7492.0	48.9	-5.9	43.0	82.3	-39.3	Peak	Horizontal
3388.0	62.1	-12.9	49.2	82.3	-33.1	Peak	Vertical
6772.0	51.7	-7.0	44.7	82.3	-37.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).							

Appendix A - Test Setup Photograph

Refer to “2204RSU028-UT” file.

Appendix B - EUT Photograph

Refer to “2204RSU028-UE” file.

The End