



TEST REPORT

No. I20N02988-RF-LTE

for

CPH2205

Mobile Phone

Model Name: CPH2205

FCC ID: R9C-CPH2205

with

Hardware Version: 11

Software Version: ColorOS V11.1

Issued Date: 2020-12-18

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

SAICT, Shenzhen Academy of Information and Communications Technology

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000.

Tel: +86(0)755-33322000, Fax: +86(0)755-33322001

Email: yewu@caict.ac.cn. www.saict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I20N02988-RF-LTE	Rev.0	1st edition	2020-12-18

Note: As the frequency band range of LTE Band 26(814-849 MHz) overlaps the range of LTE Band 18(815-830 MHz) and LTE Band 19(830-845 MHz), the channel bandwidth and other perating parameters for LTE Band 18 and LTE Band 19 are fully supported by LTE Band 26, and the miximum output power of LTE Band 26 is larger than the LTE Band 18 and LTE Band 19, we just need to test all the cases of LTE Band 26.

CONTENTS

1. SUMMARY OF TEST REPORT	4
1.1. TEST ITEMS.....	4
1.2. TEST STANDARDS	4
1.3. TEST RESULT	4
1.4. TESTING LOCATION.....	4
1.5. PROJECT DATA	4
1.6. SIGNATURE.....	4
2. CLIENT INFORMATION	5
2.1. APPLICANT INFORMATION.....	5
2.2. MANUFACTURER INFORMATION.....	5
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	6
3.1. ABOUT EUT	6
3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST	6
3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST.....	6
3.4. GENERAL DESCRIPTION	7
4. REFERENCE DOCUMENTS.....	8
5. LABORATORY ENVIRONMENT.....	9
6. SUMMARY OF TEST RESULTS.....	10
7. STATEMENT	15
8. TEST EQUIPMENTS UTILIZED.....	16
ANNEX A: MEASUREMENT RESULTS	17
A.1 OUTPUT POWER.....	17
A.2 FIELD STRENGTH OF SPURIOUS RADIATION.....	109
A.3 FREQUENCY STABILITY	167
A.4 OCCUPIED BANDWIDTH.....	175
A.5 EMISSION BANDWIDTH	244
A.6 BAND EDGE COMPLIANCE.....	313
A.7 CONDUCTED SPURIOUS EMISSION	364
A.8 PEAK-TO-AVERAGE POWER RATIO	372

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	CPH2205
Applicant's name	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Manufacturer's Name	Guangdong OPPO Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

FCC Part 2/22/24/27/90	10-1-19 Edition
ANSI C63.26	2015
KDB971168 D01	v03r01

1.3. Test Result

All test items are pass. Please refer to "6 Summary of Test Results" for detail.

1.4. Testing Location

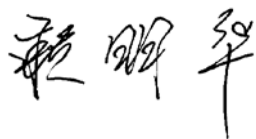
Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000

1.5. Project Data

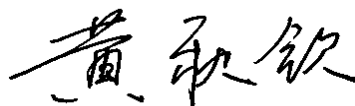
Testing Start Date: 2020-11-13

Testing End Date: 2020-12-16

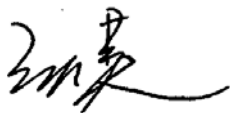
1.6. Signature



Lai Minghua
(Prepared this test report)



Huang Qiuqin
(Reviewed this test report)



Zhang Hao
(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address /Post: NO.18 HaiBin Road, Wusha village, Chang An Town, DongGuan
City, Guangdong,China
Contact Person: Mei XiLi
Contact Email meixili@oppo.com
Telephone: (86)76986076999
Fax: /

2.2. Manufacturer Information

Company Name: Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address /Post: NO.18 HaiBin Road, Wusha village, Chang An Town, DongGuan
City, Guangdong,China
Contact Person: Mei XiLi
Contact Email meixili@oppo.com
Telephone: (86)76986076999
Fax: /

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Mobile Phone
Model Name	CPH2205
FCC ID	R9C-CPH2205
Frequency Bands	LTE Bands 2,4,5,7,12,17,18,19,26,38,41,66,CA_7C, CA_38C, CA_41C
Antenna	Integrated
Extreme vol. Limits	3.6VDC to 4.4VDC (nominal: 3.85VDC)
Extreme temp. Tolerance	0°C to +35°C
Condition of EUT as received	No abnormality in appearance

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Sample Arrival Date
UT06aa	866811050019358	11	ColorOS V11.1	2020-11-13
	866811050019341			
UT01aa	866811050019176	11	ColorOS V11.1	2020-11-13
	866811050019168			

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID* Description

AE1	Battery
AE2	Charger
AE3	USB Cable
AE4	Headset

AE1

Model	BLP835
Manufacturer	SUNWODA Electronic Co.,Ltd.
Capacity	4310mAh
Nominal Voltage	3.87V

AE2

Model	VC56HAUH
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD.
Specification	American Standard Charger

AE3

Model	DL129
Manufacturer	Dongguan Licheng Transformer Co., Ltd

AE4

Model	MH156
Manufacturer	GuangDong Allwin Technology Co.,Ltd

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment Under Test (EUT) is a model Mobile Phone with integrated antenna. It consists of normal options: lithium battery, charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the Client.

4. REFERENCE DOCUMENTS

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 22	PUBLIC MOBILE SERVICES	10-1-19 Edition
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	10-1-19 Edition
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	10-1-19 Edition
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	10-1-19 Edition
FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	10-1-19 Edition
ANSI C63.26	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services	2015
KDB971168 D01	Power Meas License Digital Systems	v03r01

5. LABORATORY ENVIRONMENT

Shielded room did not exceed following limits along the RF testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz>60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	>2 MΩ
Ground system resistance	< 4 Ω

Fully-anechoic chamber did not exceed following limits along the EMC testing

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz, 3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	F	Fail
	NA	Not applicable
	NM	Not measured
Location Column	A/B/C/D	The test is performed in test location A, B, C or D which are described in section 1.4 of this report

LTE Band 2

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/24.232	A.1	P
2	Field Strength of Spurious Radiation	2.1053/24.238	A.2	P
3	Frequency Stability	2.1055/24.235	A.3	P
4	Occupied Bandwidth	2.1049/24.238	A.4	P
5	Emission Bandwidth	2.1049/24.238	A.5	P
6	Band Edge Compliance	2.1051/24.238	A.6	P
7	Conducted Spurious Emission	2.1051/24.238	A.7	P
8	Peak-to-Average Power Ratio	24.232/ KDB971168 D01	A.8	P

LTE Band 4

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(d)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(h)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(g)	A.4	P
5	Emission Bandwidth	2.1049/27.53(g)	A.5	P
6	Band Edge Compliance	2.1051/27.53(h)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(h)	A.7	P
8	Peak-to-Average Power Ratio	27.50(d)/ KDB971168 D01	A.8	P

LTE Band 5

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/22.913	A.1	P
2	Field Strength of Spurious Radiation	2.1053/22.917	A.2	P
3	Frequency Stability	2.1055/22.355	A.3	P
4	Occupied Bandwidth	2.1049/22.917	A.4	P
5	Emission Bandwidth	2.1049/22.917	A.5	P
6	Band Edge Compliance	2.1051/22.917	A.6	P
7	Conducted Spurious Emission	2.1051/22.917	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE Band 7

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 12

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(c)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(g)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(g)	A.4	P
5	Emission Bandwidth	2.1049/27.53(g)	A.5	P
6	Band Edge Compliance	2.1051/27.53(g)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(g)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 17

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(c)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(g)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(g)	A.4	P
5	Emission Bandwidth	2.1049/27.53(g)	A.5	P
6	Band Edge Compliance	2.1051/27.53(g)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(g)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 26(814MHz-824MHz)

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/90.635	A.1	P
2	Field Strength of Spurious Radiation	2.1053/90.691	A.2	P
3	Frequency Stability	2.1055/90.213	A.3	P
4	Occupied Bandwidth	2.1049/90.1215	A.4	P
5	Emission Bandwidth	2.1049/90.1215	A.5	P
6	Band Edge Compliance	2.1051/90.691	A.6	P
7	Conducted Spurious Emission	2.1051/90.691	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE band 26(824MHz-849MHz)

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/22.913	A.1	P
2	Field Strength of Spurious Radiation	2.1053/22.917	A.2	P
3	Frequency Stability	2.1055/22.355	A.3	P
4	Occupied Bandwidth	2.1049/22.917	A.4	P
5	Emission Bandwidth	2.1049/22.917	A.5	P
6	Band Edge Compliance	2.1051/22.917	A.6	P
7	Conducted Spurious Emission	2.1051/22.917	A.7	P
8	Peak-to-Average Power Ratio	KDB971168 D01	A.8	P

LTE Band 38

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 41

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band 66

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(d)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(h)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(h)	A.4	P
5	Emission Bandwidth	2.1049/27.53(h)	A.5	P
6	Band Edge Compliance	2.1051/27.53(h)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(h)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band CA_7C

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band CA_38C

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P

LTE Band CA_41C

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Output Power	2.1046/27.50(h)	A.1	P
2	Field Strength of Spurious Radiation	2.1053/27.53(m)	A.2	P
3	Frequency Stability	2.1055/27.54	A.3	P
4	Occupied Bandwidth	2.1049/27.53(m)	A.4	P
5	Emission Bandwidth	2.1049/27.53(m)	A.5	P
6	Band Edge Compliance	2.1051/27.53(m)	A.6	P
7	Conducted Spurious Emission	2.1051/27.53(m)	A.7	P
8	Peak-to-Average Power Ratio	27.50(a)/ KDB971168 D01	A.8	P



No. I20N02988-RF-LTE

7. STATEMENT

Since the information of samples in this report is provided by the client, the laboratory is not responsible for the authenticity of sample information.

This report takes measured values as criterion of test conclusion. The test conclusion meets the limit requirements.

8. TEST EQUIPMENTS UTILIZED

NO.	Description	TYPE	Manufacture	series number	CAL DUE DATE
1	Test Receiver	ESR7	R&S	101676	2021-11-25
2	BiLog Antenna	3142E	ETS	00224831	2021-05-17
3	Horn Antenna	3117	ETS-lindgren	00066577	2022-04-02
4	Horn Antenna	QSH-SL-18 -26-S-20	Q-par	17013	2023-01-06
5	Antenna	BBHA 9120D	Schwarzbeck	1593	2022-12-05
6	Antenna	VUBA 9117	Schwarzbeck	207	2023-07-15
7	Antenna	QWH-SL-18 -40-K-SG	Q-par	15979	2023-01-06
8	preamplifier	83017A	Agilent	MY39501110	/
9	Signal Generator	SMB100A	R&S	179725	2021-11-25
10	Fully Anechoic Chamber	FACT3-2.0	ETS-Lindgren	1285	2021-07-19
11	Spectrum Analyzer	FSV40	R&S	101192	2021-01-14
12	Universal Radio Communication Tester	CMW500	R&S	152499	2021-07-16
13	Universal Radio Communication Tester	CMU200	R&S	123210	2021-12-13
14	Spectrum Analyzer	FSU	R&S	101506	2021-12-13
15	Temperature Chamber	SH-241	ESPECs	92007516	2021-10-15
16	DC Power Supply	U3606A	Agilent Technologies	MY50450012	2021-11-13

Test software

Item	Name	Vesion
Radiated	EMC32	Version 10.01.00

ANNEX A: MEASUREMENT RESULTS

A.1 OUTPUT POWER

Reference

FCC: CFR Part 2.1046, 22.913, 24.232, 27.50, 90.635.

A.1.1 Summary

During the process of testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication tester (CMW500) to ensure max power transmission and proper modulation.

This result contains peak output power and ERP/EIRP measurements for the EUT.

In all cases, output power is within the specified limits.

A.1.2 Conducted

A.1.2.1 Method of Measurements

The EUT was set up for the max output power with pseudo random data modulation.

These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.

A.1.2.2 Measurement result

LTE band 2

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	1909.3	22.74	21.57
		1880.0	22.77	21.62
		1850.7	22.77	21.55
	1 RB low	1909.3	22.77	21.59
		1880.0	22.76	21.57
		1850.7	22.74	21.55
	50% RB mid	1909.3	22.89	21.47
		1880.0	22.93	21.48
		1850.7	22.89	21.32
	100% RB	1909.3	21.49	20.61
		1880.0	21.48	20.57
		1850.7	21.44	20.51
3MHz	1 RB high	1908.5	21.63	20.49
		1880.0	21.72	20.49
		1851.5	21.67	20.52
	1 RB low	1908.5	22.69	21.52
		1880.0	22.66	21.60
		1851.5	22.65	21.51
	50% RB mid	1908.5	21.50	20.55
		1880.0	21.48	20.54
		1851.5	21.43	20.46

	100% RB	1908.5	21.42	20.41
		1880.0	21.36	20.39
		1851.5	21.36	20.39
5MHz	1 RB high	1907.5	22.86	21.71
		1880.0	22.93	21.82
		1852.5	22.87	21.69
	1 RB low	1907.5	22.95	21.78
		1880.0	22.96	21.72
		1852.5	22.90	21.72
	50% RB mid	1907.5	21.58	20.57
		1880.0	21.54	20.59
		1852.5	21.52	20.53
	100% RB	1907.5	21.52	20.49
		1880.0	21.52	20.53
		1852.5	21.51	20.50
10MHz	1 RB high	1905.0	22.99	21.82
		1880.0	23.02	21.89
		1855.0	22.98	21.81
	1 RB low	1905.0	23.02	21.91
		1880.0	23.06	21.91
		1855.0	23.07	21.84
	50% RB mid	1905.0	21.56	20.60
		1880.0	21.54	20.60
		1855.0	21.50	20.56
	100% RB	1905.0	21.59	20.58
		1880.0	21.51	20.52
		1855.0	21.51	20.51
15MHz	1 RB high	1902.5	22.95	21.78
		1880.0	23.02	21.82
		1857.5	22.98	21.76
	1 RB low	1902.5	23.01	21.81
		1880.0	23.07	21.76
		1857.5	23.04	21.80
	50% RB mid	1902.5	21.54	20.58
		1880.0	21.52	20.58
		1857.5	21.51	20.51
	100% RB	1902.5	21.55	20.58
		1880.0	21.55	20.56
		1857.5	21.51	20.52

20MHz	1 RB high	1900.0	22.96	21.74
		1880.0	22.98	21.70
		1860.0	22.90	21.69
	1 RB low	1900.0	22.99	21.81
		1880.0	23.01	21.77
		1860.0	22.97	21.81
	50% RB mid	1900.0	21.60	20.61
		1880.0	21.58	20.57
		1860.0	21.60	20.57
	100% RB	1900.0	21.58	20.61
		1880.0	21.60	20.58
		1860.0	21.51	20.49

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

LTE band 4

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	1754.3	22.70	21.62
		1732.5	22.72	21.52
		1710.7	22.76	21.48
	1 RB low	1754.3	22.76	21.63
		1732.5	22.72	21.51
		1710.7	22.75	21.49
	50% RB mid	1754.3	22.93	21.43
		1732.5	22.89	21.37
		1710.7	22.90	21.34
	100% RB	1754.3	21.46	20.62
		1732.5	21.44	20.54
		1710.7	21.43	20.56
3MHz	1 RB high	1753.5	22.58	21.38
		1732.5	22.59	21.31
		1711.5	22.62	21.27
	1 RB low	1753.5	22.59	21.33
		1732.5	22.59	21.26
		1711.5	22.60	21.37
	50% RB mid	1753.5	21.40	20.47
		1732.5	21.40	20.45
		1711.5	21.41	20.43
	100% RB	1753.5	21.31	20.37
		1732.5	21.36	20.35
		1711.5	21.31	20.35
5MHz	1 RB high	1752.5	22.83	21.72
		1732.5	22.85	21.63
		1712.5	22.79	21.67
	1 RB low	1752.5	22.91	21.64
		1732.5	22.86	21.70
		1712.5	22.85	21.66
	50% RB mid	1752.5	21.48	20.48
		1732.5	21.45	20.46
		1712.5	21.49	20.46
	100% RB	1752.5	21.46	20.43
		1732.5	21.42	20.42
		1712.5	21.40	20.42
10MHz	1 RB high	1750.0	22.94	21.87

		1732.5	22.97	21.74
		1715.0	22.91	21.69
		1750.0	23.01	21.84
	1 RB low	1732.5	22.96	21.79
		1715.0	23.01	21.75
		1750.0	21.51	20.52
	50% RB mid	1732.5	21.48	20.51
		1715.0	21.47	20.45
		1750.0	21.47	20.49
	100% RB	1732.5	21.44	20.48
		1715.0	21.38	20.37
15MHz	1 RB high	1747.5	22.88	21.79
		1732.5	22.86	21.63
		1717.5	22.88	21.69
	1 RB low	1747.5	22.95	21.68
		1732.5	22.93	21.75
		1717.5	22.98	21.71
	50% RB mid	1747.5	21.48	20.50
		1732.5	21.45	20.45
		1717.5	21.47	20.46
	100% RB	1747.5	21.45	20.47
		1732.5	21.44	20.42
		1717.5	21.48	20.47
20MHz	1 RB high	1745.0	22.87	21.65
		1732.5	22.84	21.61
		1720.0	22.82	21.60
	1 RB low	1745.0	22.95	21.69
		1732.5	22.90	21.67
		1720.0	22.89	21.65
	50% RB mid	1745.0	21.49	20.51
		1732.5	21.50	20.48
		1720.0	21.46	20.50
	100% RB	1745.0	21.42	20.41
		1732.5	21.46	20.45
		1720.0	21.54	20.51

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

LTE band 5

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	848.3	23.05	21.79
		836.5	23.15	22.05
		824.7	23.26	22.05
	1 RB low	848.3	23.11	21.85
		836.5	23.15	22.09
		824.7	23.25	22.09
	50% RB mid	848.3	23.26	21.68
		836.5	23.33	21.85
		824.7	23.41	21.95
	100% RB	848.3	21.80	20.94
		836.5	21.89	20.97
		824.7	21.95	21.08
3MHz	1 RB high	847.5	22.95	21.75
		836.5	23.05	21.86
		825.5	23.20	21.99
	1 RB low	847.5	23.00	21.81
		836.5	23.08	21.94
		825.5	23.11	21.99
	50% RB mid	847.5	21.78	20.85
		836.5	21.84	20.91
		825.5	21.91	20.99
	100% RB	847.5	21.71	20.76
		836.5	21.73	20.78
		825.5	21.83	20.92
5MHz	1 RB high	846.5	23.19	22.07
		836.5	23.28	22.09
		826.5	23.42	22.30
	1 RB low	846.5	23.28	22.17
		836.5	23.34	22.16
		826.5	23.40	22.26
	50% RB mid	846.5	21.89	20.89
		836.5	21.94	20.96
		826.5	21.95	20.99
	100% RB	846.5	21.82	20.80
		836.5	21.85	20.86
		826.5	21.96	20.94
10MHz	1 RB high	844.0	23.36	22.09

		836.5	23.44	22.13
		829.0	23.51	22.19
	1 RB low	844.0	23.40	22.17
		836.5	23.46	22.18
		829.0	23.54	22.19
	50% RB mid	844.0	21.92	20.97
		836.5	21.97	20.95
		829.0	22.01	21.02
	100% RB	844.0	21.82	20.85
		836.5	21.88	20.86
		829.0	22.02	20.99

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
5MHz	1 RB high	2567.5	22.92	21.70
		2535.0	22.81	21.44
		2502.5	22.91	21.62
	1 RB low	2567.5	22.94	21.67
		2535.0	22.77	21.41
		2502.5	22.99	21.65
	50% RB mid	2567.5	21.59	20.55
		2535.0	21.41	20.44
		2502.5	21.62	20.56
	100% RB	2567.5	21.54	20.53
		2535.0	21.40	20.38
		2502.5	21.56	20.54
10MHz	1 RB high	2565.0	23.06	21.82
		2535.0	22.94	21.67
		2505.0	23.05	21.80
	1 RB low	2565.0	23.01	21.70
		2535.0	22.84	21.58
		2505.0	23.11	21.79
	50% RB mid	2565.0	21.63	20.55
		2535.0	21.42	20.40
		2505.0	21.60	20.52
	100% RB	2565.0	21.58	20.52
		2535.0	21.44	20.40
		2505.0	21.56	20.49
15MHz	1 RB high	2562.5	23.05	21.74
		2535.0	22.93	21.59
		2507.5	22.98	21.67
	1 RB low	2562.5	22.99	21.64
		2535.0	22.85	21.51
		2507.5	23.00	21.69
	50% RB mid	2562.5	21.61	20.49
		2535.0	21.42	20.38
		2507.5	21.47	20.46
	100% RB	2562.5	21.53	20.42
		2535.0	21.43	20.33
		2507.5	21.52	20.47

20MHz	1 RB high	2560.0	23.01	21.77
		2535.0	22.91	21.64
		2510.0	22.86	21.63
	1 RB low	2560.0	22.83	21.60
		2535.0	22.74	21.43
		2510.0	22.98	21.67
	50% RB mid	2560.0	21.60	20.50
		2535.0	21.45	20.39
		2510.0	21.56	20.50
	100% RB	2560.0	21.45	20.38
		2535.0	21.34	20.31
		2510.0	21.55	20.52

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	715.3	22.72	21.54
		707.5	22.75	21.46
		699.7	22.71	21.50
	1 RB low	715.3	22.72	21.44
		707.5	22.74	21.49
		699.7	22.71	21.43
	50% RB mid	715.3	22.93	21.41
		707.5	22.87	21.41
		699.7	22.83	21.39
	100% RB	715.3	21.46	20.58
		707.5	21.44	20.58
		699.7	21.43	20.56
3MHz	1 RB high	714.5	22.62	21.48
		707.5	22.63	21.53
		700.5	22.60	21.44
	1 RB low	714.5	22.53	21.40
		707.5	22.61	21.52
		700.5	22.58	21.40
	50% RB mid	714.5	21.42	20.49
		707.5	21.44	20.54
		700.5	21.37	20.51
	100% RB	714.5	21.33	20.37
		707.5	21.32	20.40
		700.5	21.32	20.39
5MHz	1 RB high	713.5	22.91	21.61
		707.5	22.89	21.77
		701.5	22.87	21.70
	1 RB low	713.5	22.85	21.72
		707.5	22.83	21.69
		701.5	22.78	21.63
	50% RB mid	713.5	21.46	20.52
		707.5	21.47	20.58
		701.5	21.47	20.57
	100% RB	713.5	21.40	20.45
		707.5	21.40	20.49
		701.5	21.40	20.45

10MHz	1 RB high	711.0	23.04	21.80
		707.5	23.01	21.91
		704.0	23.00	21.82
	1 RB low	711.0	22.94	21.78
		707.5	22.95	21.74
		704.0	22.87	21.69
	50% RB mid	711.0	21.53	20.60
		707.5	21.50	20.55
		704.0	21.48	20.56
	100% RB	711.0	21.45	20.50
		707.5	21.47	20.52
		704.0	21.39	20.43

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

LTE band 17

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
5MHz	1 RB high	713.5	22.90	21.68
		710.0	22.95	21.78
		706.5	22.95	21.76
	1 RB low	713.5	22.86	21.68
		710.0	22.93	21.75
		706.5	22.89	21.70
	50% RB mid	713.5	21.53	20.54
		710.0	21.53	20.62
		706.5	21.50	20.63
	100% RB	713.5	21.43	20.49
		710.0	21.50	20.53
		706.5	21.47	20.52
10MHz	1 RB high	711.0	23.04	22.02
		710.0	23.08	21.93
		709.0	23.05	21.89
	1 RB low	711.0	23.00	21.93
		710.0	23.00	21.83
		709.0	22.97	21.83
	50% RB mid	711.0	21.54	20.62
		710.0	21.51	20.63
		709.0	21.52	20.61
	100% RB	711.0	21.51	20.49
		710.0	21.45	20.54
		709.0	21.51	20.60

Note: Expanded measurement uncertainty is U = 0.49dB, k = 1.96

LTE band 26(814MHz-824MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	823.3	22.84	21.35
		819.0	22.79	21.35
		814.7	22.77	21.34
	1 RB low	823.3	22.80	21.32
		819.0	22.80	21.31
		814.7	22.88	21.36
	50% RB mid	823.3	22.96	21.67
		819.0	22.96	21.66
		814.7	23.03	21.68
	100% RB	823.3	21.50	20.44
		819.0	21.50	20.42
		814.7	21.48	20.43
3MHz	1 RB high	822.5	21.94	20.53
		819.0	21.96	20.60
		815.5	21.92	20.45
	1 RB low	822.5	21.95	20.52
		819.0	21.93	20.57
		815.5	21.99	20.53
	50% RB mid	822.5	21.48	20.61
		819.0	21.47	20.57
		815.5	21.44	20.57
	100% RB	822.5	21.43	20.46
		819.0	21.40	20.43
		815.5	21.41	20.44
5MHz	1 RB high	821.5	23.04	21.63
		819.0	23.04	21.85
		816.5	22.98	21.57
	1 RB low	821.5	22.98	21.58
		819.0	22.98	21.73
		816.5	22.95	21.58
	50% RB mid	821.5	21.52	20.71
		819.0	21.48	20.69
		816.5	21.50	20.67
	100% RB	821.5	21.53	20.68
		819.0	21.52	20.66
		816.5	21.53	20.62

10MHz	1 RB high	819.0	23.12	21.74
		819.0	23.10	21.75
		819.0	23.13	21.75
	1 RB low	819.0	23.09	21.74
		821.5	23.12	21.74
		819.0	23.11	21.74
	50% RB mid	816.5	21.56	20.66
		821.5	21.59	20.67
		819.0	21.57	20.66
	100% RB	816.5	21.52	20.58
		821.5	21.53	20.58
		819.0	21.55	20.59

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 26(824MHz-849MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	848.3	23.03	21.81
		836.5	23.16	21.97
		824.7	23.26	22.05
	1 RB low	848.3	23.09	21.82
		836.5	23.18	22.00
		824.7	23.25	22.04
	50% RB mid	848.3	23.21	21.68
		836.5	23.34	21.84
		824.7	23.40	21.87
	100% RB	848.3	21.79	20.92
		836.5	21.93	21.01
		824.7	21.97	21.13
3MHz	1 RB high	847.5	22.23	21.06
		836.5	22.33	21.13
		825.5	22.36	21.18
	1 RB low	847.5	22.25	21.13
		836.5	22.32	21.16
		825.5	22.39	21.19
	50% RB mid	847.5	21.79	20.79
		836.5	21.85	20.95
		825.5	21.91	21.00
	100% RB	847.5	21.68	20.77
		836.5	21.78	20.81
		825.5	21.85	20.90
5MHz	1 RB high	846.5	23.19	21.97
		836.5	23.30	22.15
		826.5	23.43	22.33
	1 RB low	846.5	23.25	22.03
		836.5	23.32	22.13
		826.5	23.34	22.29
	50% RB mid	846.5	21.85	20.87
		836.5	21.92	20.95
		826.5	22.01	20.99
	100% RB	846.5	21.75	20.81
		836.5	21.87	20.88
		826.5	21.97	21.01
10MHz	1 RB high	844.0	23.30	22.10

		836.5	23.35	22.15
		829.0	23.49	22.26
		844.0	23.30	22.01
	1 RB low	836.5	23.39	22.22
		829.0	23.49	22.25
		844.0	21.83	20.92
	50% RB mid	836.5	21.90	20.97
		829.0	22.01	21.07
		844.0	21.77	20.79
	100% RB	836.5	21.87	20.87
		829.0	21.94	20.95
		841.5	23.35	22.18
15MHz	1 RB high	836.5	23.35	22.27
		831.5	23.46	22.28
		841.5	23.33	22.20
	1 RB low	836.5	23.43	22.29
		831.5	23.43	22.22
		841.5	21.80	20.84
	50% RB mid	836.5	21.90	20.90
		831.5	21.98	21.02
		841.5	21.79	20.78
	100% RB	836.5	21.87	20.86
		831.5	21.97	20.95

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 38

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
5MHz	1 RB high	2617.5	22.99	21.54
		2595.0	22.92	21.47
		2572.5	22.96	21.52
	1 RB low	2617.5	22.98	21.52
		2595.0	22.94	21.44
		2572.5	22.96	21.46
	50% RB mid	2617.5	21.64	20.55
		2595.0	21.59	20.49
		2572.5	21.57	20.47
	100% RB	2617.5	21.08	20.09
		2595.0	21.03	19.99
		2572.5	20.99	20.01
10MHz	1 RB high	2615.0	23.04	21.62
		2595.0	23.05	21.56
		2575.0	23.07	21.68
	1 RB low	2615.0	23.05	21.58
		2595.0	23.05	21.56
		2575.0	23.06	21.58
	50% RB mid	2615.0	21.58	20.60
		2595.0	21.55	20.58
		2575.0	21.59	20.58
	100% RB	2615.0	21.52	20.50
		2595.0	21.48	20.46
		2575.0	21.47	20.43
15MHz	1 RB high	2612.5	23.08	21.60
		2595.0	23.04	21.56
		2577.5	23.14	21.61
	1 RB low	2612.5	23.03	21.57
		2595.0	22.98	21.52
		2577.5	23.02	21.56
	50% RB mid	2612.5	21.55	20.51
		2595.0	21.54	20.49
		2577.5	21.57	20.49
	100% RB	2612.5	21.60	20.50
		2595.0	21.53	20.43
		2577.5	21.52	20.45

20MHz	1 RB high	2610.0	23.02	21.57
		2595.0	23.01	21.55
		2580.0	23.03	21.50
	1 RB low	2610.0	22.97	21.48
		2595.0	22.98	21.50
		2580.0	23.00	21.50
	50% RB mid	2610.0	21.54	20.54
		2595.0	21.52	20.51
		2580.0	21.54	20.50
	100% RB	2610.0	21.08	20.02
		2595.0	21.01	20.00
		2580.0	21.02	20.00

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
5MHz	1 RB high	2687.5	22.93	21.53
		2593.0	23.03	21.56
		2498.5	22.99	21.50
	1 RB low	2687.5	22.95	21.50
		2593.0	22.99	21.51
		2498.5	22.97	21.46
	50% RB mid	2687.5	21.62	20.53
		2593.0	21.65	20.50
		2498.5	21.60	20.48
	100% RB	2687.5	21.55	20.60
		2593.0	21.56	20.56
		2498.5	21.49	20.47
10MHz	1 RB high	2685.0	23.02	21.61
		2593.0	23.09	21.61
		2501.0	23.09	21.59
	1 RB low	2685.0	23.08	21.65
		2593.0	23.08	21.58
		2501.0	23.07	21.57
	50% RB mid	2685.0	21.64	20.61
		2593.0	21.58	20.58
		2501.0	21.53	20.55
	100% RB	2685.0	21.50	20.55
		2593.0	21.51	20.47
		2501.0	21.45	20.39
15MHz	1 RB high	2682.5	22.98	21.56
		2593.0	23.06	21.60
		2503.5	23.13	21.60
	1 RB low	2682.5	23.07	21.63
		2593.0	23.05	21.55
		2503.5	23.06	21.57
	50% RB mid	2682.5	21.55	20.51
		2593.0	21.60	20.55
		2503.5	21.57	20.52
	100% RB	2682.5	21.50	20.55
		2593.0	21.53	20.50
		2503.5	21.52	20.47

20MHz	1 RB high	2680.0	22.93	21.50
		2593.0	23.03	21.54
		2506.0	23.00	21.56
	1 RB low	2680.0	23.02	21.54
		2593.0	23.02	21.55
		2506.0	22.99	21.51
	50% RB mid	2680.0	21.55	20.58
		2593.0	21.53	20.53
		2506.0	21.57	20.54
	100% RB	2680.0	21.54	20.56
		2593.0	21.59	20.52
		2506.0	21.54	20.55

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)	
			QPSK	16QAM
1.4MHz	1 RB high	1779.3	22.90	21.75
		1745.0	22.86	21.69
		1710.7	22.87	21.67
	1 RB low	1779.3	22.91	21.67
		1745.0	22.86	21.65
		1710.7	22.86	21.67
	50% RB mid	1779.3	23.04	21.57
		1745.0	22.99	21.49
		1710.7	22.99	21.43
	100% RB	1779.3	21.62	20.75
		1745.0	21.55	20.67
		1710.7	21.58	20.66
3MHz	1 RB high	1778.5	22.03	20.85
		1745.0	22.01	20.86
		1711.5	22.00	20.74
	1 RB low	1778.5	22.06	20.81
		1745.0	21.99	20.88
		1711.5	22.00	20.79
	50% RB mid	1778.5	21.59	20.65
		1745.0	21.57	20.56
		1711.5	21.54	20.64
	100% RB	1778.5	21.52	20.53
		1745.0	21.47	20.48
		1711.5	21.48	20.51
5MHz	1 RB high	1777.5	23.01	21.82
		1745.0	22.99	21.81
		1712.5	22.95	21.79
	1 RB low	1777.5	23.05	21.84
		1745.0	23.02	21.85
		1712.5	23.02	21.73
	50% RB mid	1777.5	21.65	20.65
		1745.0	21.60	20.61
		1712.5	21.64	20.62
	100% RB	1777.5	21.64	20.66
		1745.0	21.58	20.61
		1712.5	21.58	20.63
10MHz	1 RB high	1775.0	23.12	21.96

		1745.0	23.10	22.02
		1715.0	23.09	21.93
		1775.0	23.16	22.02
	1 RB low	1745.0	23.11	21.91
		1715.0	23.11	21.91
		1775.0	21.71	20.68
	50% RB mid	1745.0	21.64	20.66
		1715.0	21.61	20.64
		1775.0	21.64	20.60
	100% RB	1745.0	21.58	20.59
		1715.0	21.63	20.62
15MHz	1 RB high	1772.5	23.09	21.77
		1745.0	23.05	21.80
		1717.5	23.06	21.81
	1 RB low	1772.5	23.18	21.81
		1745.0	23.10	21.71
		1717.5	23.12	21.82
	50% RB mid	1772.5	21.65	20.63
		1745.0	21.62	20.62
		1717.5	21.61	20.62
	100% RB	1772.5	21.63	20.57
		1745.0	21.59	20.60
		1717.5	21.63	20.61
20MHz	1 RB high	1770.0	22.95	21.77
		1745.0	22.95	21.71
		1720.0	22.97	21.76
	1 RB low	1770.0	23.06	21.86
		1745.0	23.08	21.77
		1720.0	23.04	21.78
	50% RB mid	1770.0	21.69	20.69
		1745.0	21.63	20.63
		1720.0	21.65	20.67
	100% RB	1770.0	21.53	20.55
		1745.0	21.49	20.55
		1720.0	21.71	20.67

Note: Expanded measurement uncertainty is $U = 0.49\text{dB}$, $k = 1.96$

LTE band CA-7C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
15MHz/10 MHz	2507.5	2519.5	QPSK	1	74	1	0	22.83
				75	0	50	0	19.78
			16QAM	1	74	1	0	22.32
				75	0	50	0	18.84
	2530.1	2542.1	QPSK	1	74	1	0	22.95
				75	0	50	0	19.66
			16QAM	1	74	1	0	22.51
				75	0	50	0	18.72
	2552.7	2564.7	QPSK	1	74	1	0	22.86
				75	0	50	0	19.75
			16QAM	1	74	1	0	22.09
				75	0	50	0	18.75
10MHz/20 MHz	2505.5	2519.9	QPSK	1	49	1	0	22.81
				50	0	100	0	19.77
			16QAM	1	49	1	0	22.05
				50	0	100	0	18.82
	2525.6	2540.0	QPSK	1	49	1	0	22.83
				50	0	100	0	19.39
			16QAM	1	49	1	0	21.83
				50	0	100	0	18.45
	2545.6	2560.0	QPSK	1	49	1	0	22.80
				50	0	100	0	19.75
			16QAM	1	49	1	0	22.45
				50	0	100	0	18.81
20MHz/10 MHz	2510.0	2524.4	QPSK	1	99	1	0	22.86
				100	0	50	0	19.68
			16QAM	1	99	1	0	22.19
				100	0	50	0	18.74
	2530.1	2544.5	QPSK	1	99	1	0	23.05
				100	0	50	0	19.64
			16QAM	1	99	1	0	22.58
				100	0	50	0	18.66
	2550.1	2564.5	QPSK	1	99	1	0	23.01
				100	0	50	0	19.89
			16QAM	1	99	1	0	22.36
				100	0	50	0	18.93
15MHz/15	2507.5	2522.5	QPSK	1	74	1	0	22.85

MHz	2527.5	2542.5	16QAM	75	0	75	0	19.76
				1	74	1	0	22.15
			QPSK	75	0	75	0	18.83
				1	74	1	0	22.96
			16QAM	75	0	75	0	19.73
				1	74	1	0	22.32
	2547.5	2562.5	QPSK	75	0	75	0	18.75
				1	74	1	0	22.95
			16QAM	75	0	75	0	19.77
				1	74	1	0	22.61
			QPSK	75	0	75	0	18.81
				1	74	1	0	22.83
15MHz/20 MHz	2507.8	2524.9	QPSK	75	0	100	0	19.72
				1	74	1	0	22.11
			16QAM	75	0	100	0	18.75
				1	74	1	0	22.93
	2525.3	2542.4	QPSK	75	0	100	0	19.41
				1	74	1	0	22.29
			16QAM	75	0	100	0	18.45
				1	74	1	0	22.88
	2542.9	2560.0	QPSK	75	0	100	0	19.81
				1	74	1	0	22.28
			16QAM	75	0	100	0	18.88
				1	74	1	0	22.92
20MHz/15 MHz	2510.0	2527.1	QPSK	100	0	75	0	19.74
				1	99	1	0	22.23
			16QAM	100	0	75	0	18.76
				1	99	1	0	23.11
	2527.6	2544.7	QPSK	100	0	75	0	19.69
				1	99	1	0	22.58
			16QAM	100	0	75	0	18.71
				1	99	1	0	23.06
	2545.1	2562.2	QPSK	100	0	75	0	19.83
				1	99	1	0	22.47
			16QAM	100	0	75	0	18.86
				1	99	1	0	22.92
20MHz/20 MHz	2510.0	2529.8	QPSK	100	0	100	0	19.53
				1	99	1	0	22.22
			16QAM	100	0	100	0	18.56
				1	99	1	0	23.01
	2525.1	2544.9	QPSK	1	99	1	0	23.01
				1	99	1	0	23.01

				100	0	100	0	19.27
			16QAM	1	99	1	0	22.54
				100	0	100	0	18.32
	2540.2	2560.0	QPSK	1	99	1	0	23.05
				100	0	100	0	19.72
			16QAM	1	99	1	0	22.45
				100	0	100	0	18.79

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

LTE band CA-38C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
15MHz/15 MHz	2577.5	2592.5	QPSK	1	74	1	0	22.19
				75	0	75	0	20.12
			16QAM	1	74	1	0	21.21
				75	0	75	0	19.11
	2587.5	2602.5	QPSK	1	74	1	0	22.24
				75	0	75	0	20.09
			16QAM	1	74	1	0	21.54
				75	0	75	0	19.07
	2597.5	2612.5	QPSK	1	74	1	0	22.22
				75	0	75	0	20.05
			16QAM	1	74	1	0	21.45
				75	0	75	0	19.06
20MHz/20 MHz	2580.0	2599.8	QPSK	1	99	1	0	22.28
				100	0	100	0	20.01
			16QAM	1	99	1	0	21.64
				100	0	100	0	19.02
	2585.1	2604.9	QPSK	1	99	1	0	22.23
				100	0	100	0	19.98
			16QAM	1	99	1	0	21.16
				100	0	100	0	18.94
	2590.2	2610.0	QPSK	1	99	1	0	22.23
				100	0	100	0	19.98
			16QAM	1	99	1	0	21.56
				100	0	100	0	20.03

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

LTE band CA-41C

Bandwidth	Frequency (MHz)	Frequency (MHz)	Modulation	PCC RB		SCC RB		Conducted Power(dBm)
				Size	Offset	Size	Offset	
5MHz/20M Hz	2499.3	2511.0	QPSK	1	24	1	0	23.12
				25	0	100	0	21.01
			16QAM	1	24	1	0	22.32
				25	0	100	0	19.96
	2583.8	2595.5	QPSK	1	24	1	0	23.12
				25	0	100	0	21.18
			16QAM	1	24	1	0	22.22
				25	0	100	0	20.19
	2668.3	2680.0	QPSK	1	24	1	0	23.03
				25	0	100	0	21.06
			16QAM	1	24	1	0	22.45
				25	0	100	0	20.09
20MHz/5M Hz	2506.0	2517.7	QPSK	1	99	1	0	23.04
				100	0	25	0	20.91
			16QAM	1	99	1	0	22.41
				100	0	25	0	19.84
	2590.5	2602.2	QPSK	1	99	1	0	23.29
				100	0	25	0	21.17
			16QAM	1	99	1	0	22.69
				100	0	25	0	20.16
	2675.0	2686.7	QPSK	1	99	1	0	23.06
				100	0	25	0	21.16
			16QAM	1	99	1	0	22.05
				100	0	25	0	20.15
10MHz/15 MHz	2501.3	2513.3	QPSK	1	49	1	0	22.94
				50	0	75	0	20.96
			16QAM	1	49	1	0	21.98
				50	0	75	0	20.05
	2585.9	2597.9	QPSK	1	49	1	0	23.12
				50	0	75	0	21.18
			16QAM	1	49	1	0	22.16
				50	0	75	0	20.18
	2670.5	2682.5	QPSK	1	49	1	0	23.08
				50	0	75	0	21.11
			16QAM	1	49	1	0	22.32
				50	0	75	0	20.12
15MHz/10	2503.5	2515.5	QPSK	1	74	1	0	22.99

MHz	2588.1	2600.1	16QAM	75	0	50	0	20.98
				1	74	1	0	22.05
			QPSK	75	0	50	0	19.96
				1	74	1	0	23.29
			16QAM	75	0	50	0	21.21
				1	74	1	0	22.61
	2672.7	2684.7	QPSK	75	0	50	0	20.18
				1	74	1	0	23.14
			16QAM	75	0	50	0	21.08
				1	74	1	0	22.41
			QPSK	75	0	50	0	20.05
				1	74	1	0	20.95
10MHz/20 MHz	2501.5	2515.9	QPSK	50	0	100	0	20.96
				1	49	1	0	22.00
			16QAM	50	0	100	0	20.03
				1	49	1	0	23.15
	2583.6	2598.0	QPSK	50	0	100	0	21.10
				1	49	1	0	22.15
			16QAM	50	0	100	0	20.16
				1	49	1	0	23.09
	2665.6	2680.0	QPSK	50	0	100	0	21.09
				1	49	1	0	22.34
			16QAM	50	0	100	0	20.11
				1	99	1	0	23.08
20MHz/10 MHz	2506.0	2520.4	QPSK	100	0	50	0	20.96
				1	99	1	0	22.41
			16QAM	100	0	50	0	19.91
				1	99	1	0	23.29
	2588.1	2602.5	QPSK	100	0	50	0	21.14
				1	99	1	0	22.72
			16QAM	100	0	50	0	20.12
				1	99	1	0	23.01
	2670.1	2684.5	QPSK	100	0	50	0	21.11
				1	99	1	0	22.05
			16QAM	100	0	50	0	20.10
				1	74	1	0	23.01
15MHz/15 MHz	2503.5	2518.5	QPSK	75	0	75	0	20.96
				1	74	1	0	22.36
			16QAM	75	0	75	0	19.95
				1	74	1	0	23.36
	2585.5	2600.5	QPSK	1	74	1	0	23.36
				1	74	1	0	23.36

			16QAM	75	0	75	0	21.09
				1	74	1	0	22.60
				75	0	75	0	20.09
			QPSK	1	74	1	0	22.99
				75	0	75	0	21.06
			16QAM	1	74	1	0	22.08
				75	0	75	0	20.05
	2667.5	2682.5						
15MHz/20 MHz	2503.8	2520.9	QPSK	1	74	1	0	22.97
				75	0	100	0	20.89
			16QAM	1	74	1	0	22.01
				75	0	100	0	19.90
	2583.3	2600.4	QPSK	1	74	1	0	23.32
				75	0	100	0	21.11
			16QAM	1	74	1	0	22.56
				75	0	100	0	20.02
	2662.9	2680.0	QPSK	1	74	1	0	23.05
				75	0	100	0	21.08
			16QAM	1	74	1	0	22.42
				75	0	100	0	20.06
20MHz/15 MHz	2506.0	2523.1	QPSK	1	99	1	0	23.05
				100	0	75	0	20.88
			16QAM	1	99	1	0	22.03
				100	0	75	0	19.85
	2585.6	2602.7	QPSK	1	99	1	0	23.32
				100	0	75	0	20.92
			16QAM	1	99	1	0	22.36
				100	0	75	0	20.09
	2665.1	2682.2	QPSK	1	99	1	0	23.14
				100	0	75	0	21.08
			16QAM	1	99	1	0	22.06
				100	0	75	0	20.07
20MHz/20 MHz	2506.0	2525.8	QPSK	1	99	1	0	23.16
				100	0	100	0	20.83
			16QAM	1	99	1	0	22.58
				100	0	100	0	19.82
	2583.1	2602.9	QPSK	1	99	1	0	23.35
				100	0	100	0	21.06
			16QAM	1	99	1	0	22.74
				100	0	100	0	20.06
	2660.2	2680.0	QPSK	1	99	1	0	23.18

				100	0	100	0	21.04
			16QAM	1	99	1	0	22.26
				100	0	100	0	20.11

Note: Expanded measurement uncertainty is $U = 0.49$ dB, $k = 1.96$

A.1.3 Radiated

A.1.3.1 Description

This is the test for the maximum radiated power from the EUT.

Rule Part 24.232(b) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(c) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage."

Rule Part 27.50(d) specifies "Fixed, mobile, and portable (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP".

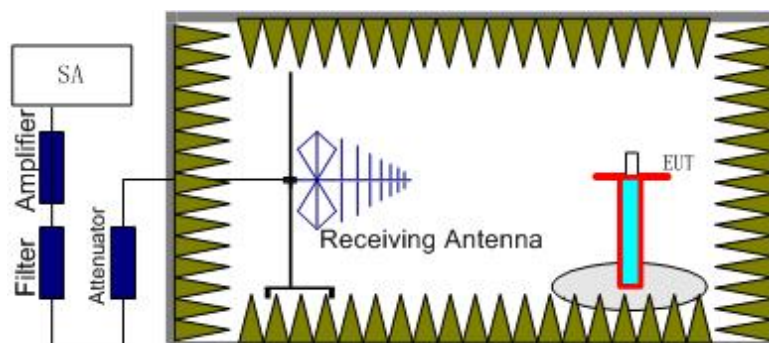
Rule Part 27.50(h)(2) specifies "Mobile stations are limited to 2.0 watts EIRP".

Rule Part 27.50(c) specifies "Portable stations (hand-held de-vices) are limited to 3 watts ERP".

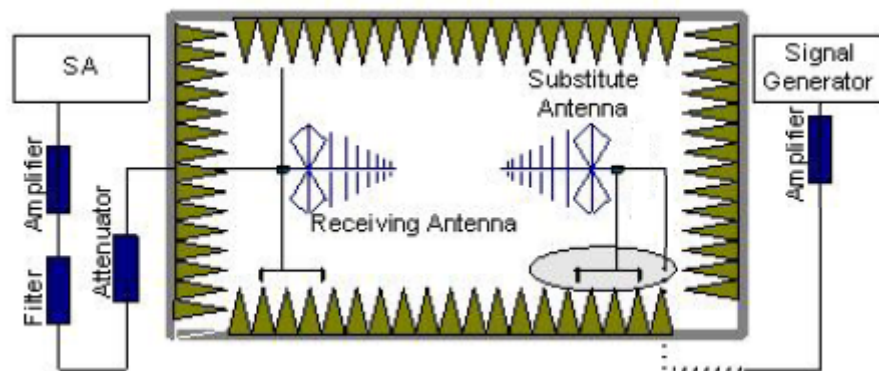
Rule Part 27.50(a)(3) specifies "For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth." Rule Part 90.635(b) specifies "The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)."

A.1.3.2 Method of Measurement

1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. An amplifier should be connected to the Signal Source output port. And the cable should be connected between the amplifier and the substitution antenna.

The cable loss (P_{cl}), the substitution Antenna Gain(dBi) (G_a) and the amplifier Gain (P_{Ag}) should be recorded after test.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{Ag} - P_{cl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dB}$.

A.1.3.3 Measurement result

Upper antenna

LTE Band 2- EIRP Part 24. 232(b)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.96	-29.30	8.10	21.44	33.00	H
1880.00	-15.11	-29.40	8.10	22.39	33.00	H
1909.30	-15.80	-29.30	8.10	21.60	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-15.77	-29.30	8.10	21.63	33.00	H
1880.00	-14.80	-29.40	8.10	22.70	33.00	H
1908.50	-15.95	-29.30	8.10	21.45	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.57	-29.30	8.10	21.83	33.00	H
1880.00	-14.96	-29.40	8.10	22.54	33.00	H
1907.50	-15.21	-29.30	8.10	22.19	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.34	-29.30	8.10	22.06	33.00	H
1880.00	-15.05	-29.40	8.10	22.45	33.00	H
1905.00	-15.78	-29.30	8.10	21.63	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.22	-29.30	8.10	22.18	33.00	H
1880.00	-15.05	-29.40	8.10	22.45	33.00	H
1902.50	-16.07	-29.30	8.10	21.34	33.00	H

LTE Band 2_20 MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-14.83	-29.30	8.10	22.57	33.00	H
1880.00	-15.02	-29.40	8.10	22.48	33.00	H
1900.00	-15.53	-29.30	8.10	21.87	33.00	H

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.51	-29.30	8.10	20.89	33.00	H
1880.00	-16.32	-29.40	8.10	21.18	33.00	H
1909.30	-16.37	-29.30	8.10	21.03	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.27	-29.30	8.10	21.13	33.00	H
1880.00	-15.87	-29.40	8.10	21.64	33.00	H
1908.50	-16.47	-29.30	8.10	20.93	33.00	H

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-15.65	-29.30	8.10	21.75	33.00	H
1880.00	-15.71	-29.40	8.10	21.79	33.00	H
1907.50	-15.51	-29.30	8.10	21.89	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-15.34	-29.30	8.10	22.06	33.00	H
1880.00	-14.72	-29.40	8.10	22.78	33.00	H
1905.00	-15.77	-29.30	8.10	21.63	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-15.55	-29.30	8.10	21.85	33.00	H
1880.00	-15.55	-29.40	8.10	21.95	33.00	H
1902.50	-15.75	-29.30	8.10	21.65	33.00	H

LTE Band 2_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-15.53	-29.30	8.10	21.87	33.00	H
1880.00	-15.53	-29.40	8.10	21.97	33.00	H
1900.00	-15.49	-29.30	8.10	21.91	33.00	H

Peak EIRP (dBm)=P_{Mea}(-14.72dBm)-(P_{cl}+P_{Ag})(-29.40dB)+G_a(8.10dB)=22.78dBm

LTE Band 4- EIRP Part 27.50(d)

Limits: ≤30dBm (1W)

LTE Band 4_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.30	-29.60	8.10	21.40	30.00	H
1732.50	-16.40	-29.60	8.10	21.30	30.00	H
1754.30	-15.28	-29.50	8.10	22.32	30.00	H

LTE Band 4_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.93	-29.60	8.10	20.77	30.00	H
1732.50	-17.27	-29.60	8.10	20.44	30.00	H
1753.50	-16.05	-29.50	8.10	21.55	30.00	H

LTE Band 4_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.18	-29.60	8.10	21.52	30.00	H
1732.50	-16.40	-29.60	8.10	21.30	30.00	H
1752.50	-15.11	-29.50	8.10	22.49	30.00	H

LTE Band 4_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.11	-29.60	8.10	21.59	30.00	H
1732.50	-16.51	-29.60	8.10	21.19	30.00	H
1750.00	-15.82	-29.50	8.10	21.78	30.00	H

LTE Band 4_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.27	-29.60	8.10	21.43	30.00	H
1732.50	-16.59	-29.60	8.10	21.12	30.00	H
1747.50	-16.19	-29.50	8.10	21.41	30.00	H

LTE Band 4_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.21	-29.60	8.10	21.50	30.00	H
1732.50	-16.56	-29.60	8.10	21.14	30.00	H
1745.00	-16.48	-29.50	8.10	21.12	30.00	H

LTE Band 4_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.23	-29.60	8.10	21.47	30.00	H
1732.50	-16.64	-29.60	8.10	21.06	30.00	H
1754.30	-14.74	-29.50	8.10	22.86	30.00	H

LTE Band 4_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.93	-29.60	8.10	20.77	30.00	H
1732.50	-17.31	-29.60	8.10	20.39	30.00	H
1753.50	-16.85	-29.50	8.10	20.75	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.79	-29.60	8.10	20.92	30.00	H
1732.50	-17.11	-29.60	8.10	20.59	30.00	H
1752.50	-15.08	-29.50	8.10	22.52	30.00	H

LTE Band 4_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.73	-29.60	8.10	20.97	30.00	H
1732.50	-16.75	-29.60	8.10	20.95	30.00	H
1750.00	-16.31	-29.50	8.10	21.30	30.00	H

LTE Band 4_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.66	-29.60	8.10	21.04	30.00	H
1732.50	-16.53	-29.60	8.10	21.17	30.00	H
1747.50	-16.84	-29.50	8.10	20.76	30.00	H

LTE Band 4_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-16.93	-29.60	8.10	20.77	30.00	H
1732.50	-16.52	-29.60	8.10	21.18	30.00	H
1745.00	-17.36	-29.50	8.10	20.24	30.00	H

Peak EIRP (dBm)=P_{Mea}(-14.74dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =22.86dBm

LTE Band 5- ERP Part 22.913(a)
Limits: ≤38.45dBm (7W)

LTE Band 5_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-15.59	-33.60	-0.79	2.15	15.07	38.45	H
836.50	-13.70	-33.50	-0.74	2.15	16.91	38.45	H
848.30	-13.04	-33.50	-0.73	2.15	17.58	38.45	H

LTE Band 5_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-15.88	-33.60	-0.84	2.15	14.73	38.45	H
836.50	-14.06	-33.50	-0.74	2.15	16.56	38.45	H
847.50	-12.72	-33.50	-0.73	2.15	17.89	38.45	H

LTE Band 5_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-15.06	-33.60	-0.84	2.15	15.55	38.45	H
836.50	-13.42	-33.50	-0.74	2.15	17.19	38.45	H
846.50	-12.57	-33.50	-0.73	2.15	18.04	38.45	H

LTE Band 5_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-15.55	-33.60	-0.84	2.15	15.06	38.45	H
836.50	-13.66	-33.50	-0.74	2.15	16.95	38.45	H
844.00	-13.24	-33.50	-0.78	2.15	17.33	38.45	H

LTE Band 5_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-15.66	-33.60	-0.79	2.15	14.99	38.45	H
836.50	-14.27	-33.50	-0.74	2.15	16.35	38.45	H
848.30	-12.89	-33.50	-0.73	2.15	17.72	38.45	H

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-15.24	-33.60	-0.84	2.15	15.37	38.45	H
836.50	-14.17	-33.50	-0.74	2.15	16.44	38.45	H
847.50	-12.35	-33.50	-0.73	2.15	18.27	38.45	H

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-15.91	-33.60	-0.84	2.15	14.70	38.45	H
836.50	-14.31	-33.50	-0.74	2.15	16.30	38.45	H
846.50	-13.17	-33.50	-0.73	2.15	17.45	38.45	H

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-15.15	-33.60	-0.84	2.15	15.46	38.45	H
836.50	-14.68	-33.50	-0.74	2.15	15.94	38.45	H
844.00	-13.42	-33.50	-0.78	2.15	17.14	38.45	H

Peak ERP (dBm)=P_{Mea}(-12.35dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15dB =18.27dBm

LTE Band 7- EIRP Part 27.50(h)(2)

Limits: ≤ 33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-17.83	-28.70	10.70	21.58	33.00	H
2535.00	-17.18	-28.60	10.70	22.13	33.00	H
2567.50	-17.14	-28.60	10.70	22.16	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-16.89	-28.70	10.70	22.52	33.00	H
2535.00	-16.98	-28.60	10.70	22.33	33.00	H
2565.00	-17.19	-28.60	10.70	22.11	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-16.76	-28.70	10.70	22.64	33.00	H
2535.00	-17.57	-28.60	10.70	21.73	33.00	H
2562.50	-16.75	-28.60	10.70	22.55	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.04	-28.70	10.70	22.36	33.00	H
2535.00	-16.98	-28.60	10.70	22.32	33.00	H
2560.00	-16.83	-28.60	10.70	22.47	33.00	H

LTE Band 7_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-16.89	-28.70	10.70	22.51	33.00	H
2535.00	-17.02	-28.60	10.70	22.28	33.00	H
2567.50	-17.36	-28.60	10.70	21.94	33.00	H

LTE Band 7_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-16.76	-28.70	10.70	22.64	33.00	H
2535.00	-17.09	-28.60	10.70	22.22	33.00	H
2565.00	-17.17	-28.60	10.70	22.13	33.00	H

LTE Band 7_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-16.95	-28.70	10.70	22.45	33.00	H
2535.00	-17.49	-28.60	10.70	21.81	33.00	H
2562.50	-16.62	-28.60	10.70	22.69	33.00	H

LTE Band 7_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-16.78	-28.70	10.70	22.62	33.00	H
2535.00	-17.15	-28.60	10.70	22.15	33.00	H
2560.00	-16.55	-28.60	10.70	22.75	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.55dBm)-(P_{cl}+P_{Ag})(-28.60dB)+G_a(10.70dB) =22.75dBm

LTE Band 12 - ERP Part 27.50(c)(10)
Limits: ≤34.77dBm (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-22.87	-34.80	-0.93	2.15	8.85	34.77	H
707.50	-21.17	-34.70	-0.91	2.15	10.47	34.77	H
715.30	-21.97	-34.70	-0.68	2.15	9.90	34.77	H

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-22.89	-34.80	-0.97	2.15	8.79	34.77	H
707.50	-21.76	-34.70	-0.91	2.15	9.89	34.77	H
714.50	-22.45	-34.70	-0.64	2.15	9.46	34.77	H

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-22.77	-34.80	-0.97	2.15	8.91	34.77	H
707.50	-21.82	-34.70	-0.91	2.15	9.82	34.77	H
713.50	-22.93	-34.70	-0.64	2.15	8.98	34.77	H

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-22.96	-34.80	-0.97	2.15	8.72	34.77	H
707.50	-21.79	-34.70	-0.91	2.15	9.85	34.77	H
711.00	-21.74	-34.70	-0.64	2.15	10.17	34.77	H

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-22.85	-34.80	-0.93	2.15	8.87	34.77	H
707.50	-20.85	-34.70	-0.91	2.15	10.80	34.77	H
715.30	-21.74	-34.70	-0.68	2.15	10.13	34.77	H

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-22.86	-34.80	-0.97	2.15	8.82	34.77	H
707.50	-21.88	-34.70	-0.91	2.15	9.76	34.77	H
714.50	-22.22	-34.70	-0.64	2.15	9.69	34.77	H

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-23.03	-34.80	-0.97	2.15	8.65	34.77	H
707.50	-21.09	-34.70	-0.91	2.15	10.56	34.77	H
713.50	-23.21	-34.70	-0.64	2.15	8.70	34.77	H

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-22.94	-34.80	-0.97	2.15	8.74	34.77	H
707.50	-21.57	-34.70	-0.91	2.15	10.07	34.77	H
711.00	-21.18	-34.70	-0.64	2.15	10.73	34.77	H

Peak ERP (dBm)=P_{Mea}(-20.85Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.91dB) -2.15dB =10.80dBm

LTE Band 17 - ERP Part 27.50(c)(10)
Limits: ≤34.77dBm (3W)

LTE Band 17_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-19.74	-34.70	-0.91	2.15	11.90	34.77	H
710.00	-19.17	-34.70	-0.64	2.15	12.74	34.77	H
713.50	-18.89	-34.70	-0.64	2.15	13.02	34.77	H

LTE Band 17_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-21.39	-34.70	-0.91	2.15	10.25	34.77	H
710.00	-20.04	-34.70	-0.64	2.15	11.86	34.77	H
711.00	-20.13	-34.70	-0.64	2.15	11.78	34.77	H

LTE Band 17_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-21.49	-34.70	-0.91	2.15	10.15	34.77	V
710.00	-20.75	-34.70	-0.64	2.15	11.16	34.77	V
713.50	-20.59	-34.70	-0.64	2.15	11.31	34.77	V

LTE Band 17_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-20.84	-34.70	-0.91	2.15	10.80	34.77	V
710.00	-20.44	-34.70	-0.64	2.15	11.47	34.77	V
711.00	-20.24	-34.70	-0.64	2.15	11.66	34.77	V

Peak ERP (dBm)=P_{Mea}(-18.89dBm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.64dB) -2.15dB =13.02dBm

LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)
Limits: ≤50.00dBm (100W)

LTE band 26(814MHz-824MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-20.67	-33.70	-0.80	2.15	10.08	50.00	H
819.00	-21.59	-33.60	-0.75	2.15	9.12	50.00	H
823.30	-20.46	-33.60	-0.79	2.15	10.20	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-21.71	-33.70	-0.80	2.15	9.04	50.00	H
819.00	-21.29	-33.60	-0.75	2.15	9.41	50.00	H
822.50	-21.51	-33.60	-0.79	2.15	9.15	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-18.47	-33.70	-0.80	2.15	12.28	50.00	H
819.00	-18.47	-33.60	-0.75	2.15	12.23	50.00	H
821.50	-19.83	-33.60	-0.79	2.15	10.83	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-20.65	-33.60	-0.75	2.15	10.05	50.00	H

LTE band 26(814MHz-824MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-21.61	-33.70	-0.80	2.15	9.14	50.00	H
819.00	-21.62	-33.60	-0.75	2.15	9.08	50.00	H
823.30	-21.15	-33.60	-0.79	2.15	9.51	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-21.87	-33.70	-0.80	2.15	8.88	50.00	H
819.00	-22.66	-33.60	-0.75	2.15	8.04	50.00	H
822.50	-21.72	-33.60	-0.79	2.15	8.94	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-19.34	-33.70	-0.80	2.15	11.41	50.00	H
819.00	-18.44	-33.60	-0.75	2.15	12.27	50.00	H
821.50	-19.65	-33.60	-0.79	2.15	11.01	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-20.83	-33.60	-0.75	2.15	9.87	50.00	H

Peak ERP (dBm)=P_{Mea}(-18.47dBm)-(P_{cl}+P_{Ag})(-33.70dB)+G_a(-0.80dB) -2.15 =12.28dBm

LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)
Limits: ≤38.45dBm (7W)

LTE band 26(824MHz-849MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-17.81	-33.60	-0.79	2.15	12.85	38.45	H
836.50	-15.03	-33.50	-0.74	2.15	15.58	38.45	H
848.30	-14.22	-33.50	-0.73	2.15	16.40	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-19.45	-33.60	-0.79	2.15	11.21	38.45	H
836.50	-17.39	-33.50	-0.74	2.15	13.23	38.45	H
847.50	-15.87	-33.50	-0.73	2.15	14.75	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-18.67	-33.60	-0.79	2.15	11.99	38.45	H
836.50	-17.06	-33.50	-0.74	2.15	13.55	38.45	H
846.50	-15.26	-33.50	-0.73	2.15	15.36	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-17.11	-33.60	-0.79	2.15	13.55	38.45	H
836.50	-15.66	-33.50	-0.74	2.15	14.95	38.45	H
844.00	-15.14	-33.50	-0.73	2.15	15.48	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-17.34	-33.60	-0.79	2.15	13.32	38.45	H
836.50	-16.04	-33.50	-0.74	2.15	14.57	38.45	H
841.50	-15.97	-33.50	-0.73	2.15	14.65	38.45	H

LTE band 26(824MHz-849MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-17.13	-33.60	-0.79	2.15	13.53	38.45	H
836.50	-16.18	-33.50	-0.74	2.15	14.43	38.45	H
848.30	-14.65	-33.50	-0.73	2.15	15.97	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-19.67	-33.60	-0.79	2.15	10.99	38.45	H
836.50	-18.60	-33.50	-0.74	2.15	12.01	38.45	H
847.50	-16.37	-33.50	-0.73	2.15	14.24	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-18.88	-33.60	-0.79	2.15	11.78	38.45	H
836.50	-17.46	-33.50	-0.74	2.15	13.16	38.45	H
846.50	-15.76	-33.50	-0.73	2.15	14.85	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-17.78	-33.60	-0.79	2.15	12.88	38.45	H
836.50	-16.44	-33.50	-0.74	2.15	14.17	38.45	H
844.00	-15.32	-33.50	-0.73	2.15	15.30	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-18.15	-33.60	-0.79	2.15	12.51	38.45	H
836.50	-17.47	-33.50	-0.74	2.15	13.15	38.45	H
841.50	-16.56	-33.50	-0.73	2.15	14.06	38.45	H

Peak ERP (dBm)=P_{Mea}(-14.22dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15=16.40dBm

LTE Band 38 - EIRP Part 27.50(h)(2)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 38_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-18.46	-28.60	10.70	20.84	33.00	H
2595.00	-18.49	-28.60	10.70	20.81	33.00	H
2617.50	-18.48	-28.60	10.70	20.82	33.00	H

LTE Band 38_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-19.05	-28.60	10.70	20.25	33.00	H
2595.00	-18.20	-28.60	10.70	21.10	33.00	H
2615.00	-18.65	-28.60	10.70	20.66	33.00	H

LTE Band 38_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-17.88	-28.60	10.70	21.42	33.00	H
2595.00	-18.19	-28.60	10.70	21.11	33.00	H
2612.50	-18.39	-28.60	10.70	20.91	33.00	H

LTE Band 38_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-18.20	-28.60	10.70	21.10	33.00	H
2595.00	-18.02	-28.60	10.70	21.28	33.00	H
2610.00	-18.73	-28.60	10.70	20.57	33.00	H

LTE Band 38_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-18.43	-28.60	10.70	20.87	33.00	H
2595.00	-18.52	-28.60	10.70	20.78	33.00	H
2617.50	-18.38	-28.60	10.70	20.92	33.00	H

LTE Band 38_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-18.67	-28.60	10.70	20.63	33.00	H
2595.00	-18.84	-28.60	10.70	20.46	33.00	H
2615.00	-18.40	-28.60	10.70	20.90	33.00	H

LTE Band 38_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-19.40	-28.60	10.70	19.90	33.00	H
2595.00	-18.83	-28.60	10.70	20.47	33.00	H
2612.50	-19.09	-28.60	10.70	20.21	33.00	H

LTE Band 38_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-18.09	-28.60	10.70	21.21	33.00	H
2595.00	-18.76	-28.60	10.70	20.54	33.00	H
2610.00	-19.09	-28.60	10.70	20.21	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.88dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =21.42dBm

LTE Band 41 - EIRP Part 27.50(h)(2)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.59	-28.70	10.70	20.81	33.00	H
2593.00	-18.41	-28.60	10.70	20.89	33.00	H
2687.50	-19.03	-28.50	10.70	20.17	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.32	-28.70	10.70	21.09	33.00	H
2593.00	-17.90	-28.60	10.70	21.40	33.00	H
2685.00	-18.30	-28.50	10.70	20.90	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-18.90	-28.70	10.70	20.50	33.00	H
2593.00	-18.00	-28.60	10.70	21.30	33.00	H
2682.50	-18.99	-28.50	10.70	20.21	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.33	-28.70	10.70	21.07	33.00	H
2593.00	-18.04	-28.60	10.70	21.26	33.00	H
2680.00	-18.06	-28.50	10.70	21.14	33.00	H

LTE Band 41_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.32	-28.70	10.70	21.08	33.00	H
2593.00	-17.64	-28.60	10.70	21.66	33.00	H
2687.50	-18.41	-28.50	10.70	20.79	33.00	H

LTE Band 41_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.94	-28.70	10.70	21.46	33.00	H
2593.00	-18.67	-28.60	10.70	20.63	33.00	H
2685.00	-18.30	-28.50	10.70	20.90	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-18.18	-28.70	10.70	21.22	33.00	H
2593.00	-18.59	-28.60	10.70	20.71	33.00	H
2682.50	-18.60	-28.50	10.70	20.60	33.00	H

LTE Band 41_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.94	-28.70	10.70	20.46	33.00	H
2593.00	-17.59	-28.60	10.70	21.71	33.00	H
2680.00	-18.63	-28.50	10.70	20.57	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.59dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =21.71dBm

LTE Band 66- EIRP Part 27.50(d)

Limits: ≤30dBm (1W)

LTE Band 66_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-17.53	-29.60	8.10	20.17	30.00	H
1745.00	-17.68	-29.50	8.10	19.92	30.00	H
1779.30	-16.57	-29.50	8.10	21.03	30.00	H

LTE Band 66_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.22	-29.60	8.10	19.48	30.00	H
1745.00	-18.20	-29.50	8.10	19.40	30.00	H
1778.50	-17.57	-29.50	8.10	20.03	30.00	H

LTE Band 66_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.19	-29.60	8.10	20.51	30.00	H
1745.00	-17.33	-29.50	8.10	20.27	30.00	H
1777.50	-16.60	-29.50	8.10	21.00	30.00	H

LTE Band 66_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.16	-29.60	8.10	20.54	30.00	H
1745.00	-17.17	-29.50	8.10	20.43	30.00	H
1775.00	-16.54	-29.50	8.10	21.06	30.00	H

LTE Band 66_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.86	-29.60	8.10	20.84	30.00	H
1745.00	-17.43	-29.50	8.10	20.17	30.00	H
1772.53	-16.50	-29.50	8.10	21.10	30.00	H

LTE Band 66_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.30	-29.60	8.10	20.40	30.00	H
1745.00	-17.48	-29.50	8.10	20.12	30.00	H
1770.00	-16.51	-29.50	8.10	21.09	30.00	H

LTE Band 66_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.29	-29.60	8.10	19.41	30.00	H
1745.00	-17.61	-29.50	8.10	19.99	30.00	H
1779.30	-16.80	-29.50	8.10	20.80	30.00	H

LTE Band 66_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.68	-29.60	8.10	19.02	30.00	H
1745.00	-19.30	-29.50	8.10	18.30	30.00	H
1778.50	-18.12	-29.50	8.10	19.48	30.00	H

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.18	-29.60	8.10	19.52	30.00	H
1745.00	-18.28	-29.50	8.10	19.32	30.00	H
1777.50	-17.10	-29.50	8.10	20.50	30.00	H

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.62	-29.60	8.10	20.08	30.00	H
1745.00	-18.13	-29.50	8.10	19.47	30.00	H
1775.00	-17.15	-29.50	8.10	20.46	30.00	H

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.57	-29.60	8.10	20.13	30.00	H
1745.00	-18.10	-29.50	8.10	19.50	30.00	H
1772.53	-16.86	-29.50	8.10	20.75	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.83	-29.60	8.10	19.87	30.00	H
1745.00	-17.75	-29.50	8.10	19.85	30.00	H
1770.00	-16.66	-29.50	8.10	20.94	30.00	H

Peak EIRP (dBm)=P_{Mea}(-16.50dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =21.10dBm

LTE Band CA_7C - EIRP Part 27.50(h)(2)

Limits: ≤33dBm (2W)

LTE Band CA_7C_10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-16.79	-28.70	10.70	22.61	33.00	V
2525.60	2540.00	-17.87	-28.60	10.70	21.43	33.00	V
2545.60	2560.00	-17.27	-28.60	10.70	22.03	33.00	V

LTE Band CA_7C_20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-17.58	-28.70	10.70	21.82	33.00	H
2530.10	2544.50	-18.34	-28.60	10.70	20.96	33.00	H
2550.10	2564.50	-17.65	-28.60	10.70	21.65	33.00	H

LTE Band CA_7C_20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-16.85	-28.70	10.70	22.55	33.00	H
2527.60	2544.70	-17.59	-28.60	10.70	21.71	33.00	H
2545.10	2562.20	-16.46	-28.60	10.70	22.84	33.00	H

LTE Band CA_7C_20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-18.76	-28.70	10.70	20.64	33.00	H
2525.10	2544.90	-18.71	-28.60	10.70	20.59	33.00	H
2540.20	2560.00	-18.18	-28.60	10.70	21.12	33.00	H

LTE Band CA_7C_15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-17.00	-28.70	10.70	22.40	33.00	H
2530.10	2542.10	-17.75	-28.60	10.70	21.55	33.00	H
2552.70	2564.70	-16.78	-28.60	10.70	22.52	33.00	H

LTE Band CA_7C_15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-16.54	-28.70	10.70	22.86	33.00	H
2527.50	2542.50	-16.99	-28.60	10.70	22.31	33.00	H
2547.50	2562.50	-16.41	-28.60	10.70	22.89	33.00	H

LTE Band CA_7C _15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-17.23	-28.70	10.70	22.17	33.00	H
2525.30	2542.40	-18.20	-28.60	10.70	21.10	33.00	H
2542.90	2560.00	-17.75	-28.60	10.70	21.55	33.00	H

LTE Band CA_7C_10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-17.84	-28.70	10.70	21.56	33.00	V
2525.60	2540.00	-18.78	-28.60	10.70	20.52	33.00	V
2545.60	2560.00	-18.31	-28.60	10.70	20.99	33.00	V

LTE Band CA_7C_20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-17.73	-28.70	10.70	21.67	33.00	H
2530.10	2544.50	-19.51	-28.60	10.70	19.79	33.00	H
2550.10	2564.50	-18.63	-28.60	10.70	20.67	33.00	H

LTE Band CA_7C_20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-17.90	-28.70	10.70	21.50	33.00	H
2527.60	2544.70	-18.59	-28.60	10.70	20.71	33.00	H
2545.10	2562.20	-17.27	-28.60	10.70	22.03	33.00	H

LTE Band CA_7C_20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-20.17	-28.70	10.70	19.23	33.00	H
2525.10	2544.90	-19.87	-28.60	10.70	19.43	33.00	H
2540.20	2560.00	-19.95	-28.60	10.70	19.35	33.00	H

LTE Band CA_7C_15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-18.06	-28.70	10.70	21.34	33.00	H
2530.10	2542.10	-18.74	-28.60	10.70	20.56	33.00	H
2552.70	2564.70	-17.92	-28.60	10.70	21.38	33.00	H

LTE Band CA_7C_15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-18.06	-28.70	10.70	21.34	33.00	H
2527.50	2542.50	-18.74	-28.60	10.70	20.56	33.00	H
2547.50	2562.50	-17.92	-28.60	10.70	21.38	33.00	H

LTE Band CA_7C _15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-18.37	-28.70	10.70	21.03	33.00	H
2525.30	2542.40	-19.43	-28.60	10.70	19.87	33.00	H
2542.90	2560.00	-18.94	-28.60	10.70	20.36	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.41dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =22.89dBm

LTE Band CA_38C - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band CA_38C_15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	2592.50	-18.30	-28.70	10.70	21.10	33.00	V
2587.50	2602.50	-18.45	-28.60	10.70	20.85	33.00	V
2597.50	2612.50	-19.00	-28.50	10.70	20.20	33.00	V

LTE Band CA_38C_20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	2599.80	-20.24	-28.70	10.70	19.16	33.00	V
2585.10	2604.90	-19.67	-28.60	10.70	19.63	33.00	V
2590.20	2610.00	-19.87	-28.60	10.70	19.43	33.00	V

LTE Band CA_38C_15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	2592.50	-20.17	-28.70	10.70	19.23	33.00	V
2587.50	2602.50	-21.22	-28.60	10.70	18.08	33.00	V
2597.50	2612.50	-21.22	-28.50	10.70	17.98	33.00	V

L LTE Band CA_38C_20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	2599.80	-20.39	-28.70	10.70	19.01	33.00	V
2585.10	2604.90	-22.09	-28.60	10.70	17.21	33.00	V
2590.20	2610.00	-22.11	-28.60	10.70	17.19	33.00	V

Peak EIRP (dBm)=P_{Mea}(-18.30dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =21.10dBm

LTE Band CA_41C - EIRP Part 27.50(h)(2)

Limits: ≤33dBm (2W)

LTE Band CA_41C_5MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-18.00	-28.70	10.70	21.40	33.00	V
2583.80	2595.50	-18.70	-28.60	10.70	20.60	33.00	V
2668.30	2680.00	-18.23	-28.50	10.70	20.97	33.00	V

LTE Band CA_41C_10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.20	-28.70	10.70	20.20	33.00	V
2583.60	2598.00	-19.35	-28.60	10.70	19.95	33.00	V
2665.60	2680.00	-19.18	-28.60	10.70	20.12	33.00	V

LTE Band CA_41C_15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-19.66	-28.70	10.70	19.74	33.00	H
2583.30	2600.40	-20.12	-28.60	10.70	19.18	33.00	H
2662.90	2680.00	-20.25	-28.60	10.70	19.05	33.00	H

LTE Band CA_41C_20MHz+5MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-19.16	-28.70	10.70	20.24	33.00	H
2590.50	2602.20	-19.57	-28.60	10.70	19.73	33.00	H
2675.00	2686.70	-19.67	-28.60	10.70	19.63	33.00	H

LTE Band CA_41C_20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-19.79	-28.70	10.70	19.61	33.00	H
2588.10	2602.50	-20.69	-28.60	10.70	18.61	33.00	H
2670.10	2684.50	-20.27	-28.60	10.70	19.03	33.00	H

LTE Band CA_41C_20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-20.63	-28.70	10.70	18.77	33.00	H
2585.60	2602.70	-20.79	-28.60	10.70	18.51	33.00	H
2665.10	2682.20	-21.60	-28.60	10.70	17.70	33.00	H

LTE Band CA_41C_15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-19.43	-28.70	10.70	19.97	33.00	H
2585.50	2600.50	-19.22	-28.60	10.70	20.08	33.00	H
2667.50	2682.50	-19.40	-28.60	10.70	19.90	33.00	H

LTE Band CA_41C_20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-21.69	-28.70	10.70	17.71	33.00	H
2583.10	2602.90	-22.00	-28.60	10.70	17.30	33.00	H
2660.20	2680.00	-21.85	-28.60	10.70	17.45	33.00	H

LTE Band CA_41C_15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-19.36	-28.70	10.70	20.04	33.00	H
2588.10	2600.10	-19.86	-28.60	10.70	19.44	33.00	H
2672.70	2684.70	-19.43	-28.60	10.70	19.87	33.00	H

LTE Band CA_41C_10MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-19.27	-28.70	10.70	20.13	33.00	H
2585.90	2597.90	-19.11	-28.60	10.70	20.19	33.00	H
2670.50	2682.50	-19.46	-28.60	10.70	19.84	33.00	H

LTE Band CA_41C_5MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-18.29	-28.70	10.70	21.11	33.00	H
2583.80	2595.50	-18.99	-28.60	10.70	20.31	33.00	H
2668.30	2680.00	-18.52	-28.50	10.70	20.68	33.00	H

LTE Band CA_41C_10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.49	-28.70	10.70	19.91	33.00	V
2583.60	2598.00	-19.63	-28.60	10.70	19.67	33.00	V
2665.60	2680.00	-19.47	-28.60	10.70	19.83	33.00	V

LTE Band CA_41C_15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-19.94	-28.70	10.70	19.46	33.00	V
2583.30	2600.40	-20.41	-28.60	10.70	18.89	33.00	V
2662.90	2680.00	-20.54	-28.60	10.70	18.76	33.00	V

LTE Band CA_41C_20MHz+5MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-19.47	-28.70	10.70	19.93	33.00	H
2590.50	2602.20	-19.89	-28.60	10.70	19.41	33.00	H
2675.00	2686.70	-19.98	-28.60	10.70	19.32	33.00	H

LTE Band CA_41C_20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-20.10	-28.70	10.70	19.30	33.00	H
2588.10	2602.50	-21.00	-28.60	10.70	18.30	33.00	H
2670.10	2684.50	-20.59	-28.60	10.70	18.71	33.00	H

LTE Band CA_41C_20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-20.94	-28.70	10.70	18.46	33.00	H
2585.60	2602.70	-21.10	-28.60	10.70	18.20	33.00	H
2665.10	2682.20	-21.91	-28.60	10.70	17.39	33.00	H

LTE Band CA_41C_15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-19.73	-28.70	10.70	19.67	33.00	H
2585.50	2600.50	-19.52	-28.60	10.70	19.78	33.00	H
2667.50	2682.50	-19.70	-28.60	10.70	19.60	33.00	H

LTE Band CA_41C_20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-21.99	-28.70	10.70	17.41	33.00	H
2583.10	2602.90	-22.29	-28.60	10.70	17.01	33.00	H
2660.20	2680.00	-22.15	-28.60	10.70	17.15	33.00	H

LTE Band CA_41C_15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-19.67	-28.70	10.70	19.73	33.00	H
2588.10	2600.10	-20.16	-28.60	10.70	19.14	33.00	H
2672.70	2684.70	-19.72	-28.60	10.70	19.58	33.00	H

LTE Band CA_41C_10MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-19.57	-28.70	10.70	19.83	33.00	H
2585.90	2597.90	-19.40	-28.60	10.70	19.90	33.00	H
2670.50	2682.50	-19.76	-28.60	10.70	19.54	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.00dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =21.40dBm

ANALYZER SETTINGS:

RBW = VBW = 8MHz for occupied bandwidths equal to or less than 5MHz.

RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.

Note: The maximum value of expanded measurement uncertainty for this test item is U =

2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.85dB(18GHz-40GHz), k = 2

Note: Both of Vertical and Horizontal polarizations are evaluated, but only the worst case is recorded in this report.

Lower antenna

LTE Band 2- EIRP Part 24. 232(b)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-15.94	-29.30	8.10	21.46	33.00	H
1880.00	-15.16	-29.40	8.10	22.34	33.00	H
1909.30	-15.96	-29.30	8.10	21.44	33.00	H

LTE Band 2_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.38	-29.30	8.10	21.02	33.00	H
1880.00	-15.76	-29.40	8.10	21.74	33.00	H
1908.50	-16.00	-29.30	8.10	21.40	33.00	H

LTE Band 2_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.66	-29.30	8.10	20.74	33.00	H
1880.00	-16.47	-29.40	8.10	21.03	33.00	H
1907.50	-16.46	-29.30	8.10	20.94	33.00	H

LTE Band 2_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.84	-29.30	8.10	20.56	33.00	H
1880.00	-16.57	-29.40	8.10	20.93	33.00	H
1905.00	-17.16	-29.30	8.10	20.24	33.00	H

LTE Band 2_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-16.81	-29.30	8.10	20.59	33.00	H
1880.00	-16.63	-29.40	8.10	20.87	33.00	H
1902.50	-16.64	-29.30	8.10	20.76	33.00	H

LTE Band 2_20 MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.27	-29.30	8.10	20.13	33.00	H
1880.00	-16.63	-29.40	8.10	20.87	33.00	H
1900.00	-16.17	-29.30	8.10	21.23	33.00	H

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.81	-29.30	8.10	20.59	33.00	H
1880.00	-16.63	-29.40	8.10	20.87	33.00	H
1909.30	-16.64	-29.30	8.10	20.76	33.00	H

LTE Band 2_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-17.27	-29.30	8.10	20.13	33.00	H
1880.00	-16.63	-29.40	8.10	20.87	33.00	H
1908.50	-16.17	-29.30	8.10	21.23	33.00	H

LTE Band 2_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.31	-29.30	8.10	21.09	33.00	H
1880.00	-16.42	-29.40	8.10	21.08	33.00	H
1907.50	-15.75	-29.30	8.10	21.65	33.00	H

LTE Band 2_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.20	-29.30	8.10	20.20	33.00	H
1880.00	-16.85	-29.40	8.10	20.65	33.00	H
1905.00	-17.18	-29.30	8.10	20.22	33.00	H

LTE Band 2_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.27	-29.30	8.10	20.13	33.00	H
1880.00	-16.94	-29.40	8.10	20.56	33.00	H
1902.50	-16.68	-29.30	8.10	20.72	33.00	H

LTE Band 2_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.71	-29.30	8.10	19.69	33.00	H
1880.00	-16.73	-29.40	8.10	20.77	33.00	H
1900.00	-16.69	-29.30	8.10	20.71	33.00	H

Peak EIRP (dBm)=P_{Mea}(-15.16dBm)-(P_{cl}+P_{Ag})(-29.40dB)+G_a(8.10dB)=22.34dBm

LTE Band 4- EIRP Part 27.50(d)

Limits: ≤30dBm (1W)

LTE Band 4_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.43	-29.60	8.10	19.27	30.00	H
1732.50	-17.90	-29.60	8.10	19.80	30.00	H
1754.30	-16.69	-29.50	8.10	20.91	30.00	H

LTE Band 4_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.61	-29.60	8.10	19.10	30.00	H
1732.50	-18.33	-29.60	8.10	19.38	30.00	H
1753.50	-16.80	-29.50	8.10	20.80	30.00	H

LTE Band 4_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.42	-29.60	8.10	19.28	30.00	H
1732.50	-18.10	-29.60	8.10	19.60	30.00	H
1752.50	-16.88	-29.50	8.10	20.72	30.00	H

LTE Band 4_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.62	-29.60	8.10	19.08	30.00	H
1732.50	-18.17	-29.60	8.10	19.54	30.00	H
1750.00	-17.18	-29.50	8.10	20.42	30.00	H

LTE Band 4_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.62	-29.60	8.10	19.08	30.00	H
1732.50	-18.12	-29.60	8.10	19.58	30.00	H
1747.50	-17.32	-29.50	8.10	20.28	30.00	H

LTE Band 4_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.71	-29.60	8.10	18.99	30.00	H
1732.50	-18.07	-29.60	8.10	19.63	30.00	H
1745.00	-18.00	-29.50	8.10	19.60	30.00	H

LTE Band 4_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.57	-29.60	8.10	19.13	30.00	H
1732.50	-18.51	-29.60	8.10	19.19	30.00	H
1754.30	-17.17	-29.50	8.10	20.43	30.00	H

LTE Band 4_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-18.73	-29.60	8.10	18.97	30.00	H
1732.50	-18.45	-29.60	8.10	19.25	30.00	H
1753.50	-17.01	-29.50	8.10	20.59	30.00	H

LTE Band 4_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.48	-29.60	8.10	19.22	30.00	H
1732.50	-18.56	-29.60	8.10	19.14	30.00	H
1752.50	-17.45	-29.50	8.10	20.15	30.00	H

LTE Band 4_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-18.57	-29.60	8.10	19.13	30.00	H
1732.50	-18.61	-29.60	8.10	19.09	30.00	H
1750.00	-18.41	-29.50	8.10	19.19	30.00	H

LTE Band 4_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-18.74	-29.60	8.10	18.96	30.00	H
1732.50	-18.26	-29.60	8.10	19.44	30.00	H
1747.50	-19.25	-29.50	8.10	18.35	30.00	H

LTE Band 4_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.72	-29.60	8.10	18.98	30.00	H
1732.50	-18.52	-29.60	8.10	19.18	30.00	H
1745.00	-17.79	-29.50	8.10	19.81	30.00	H

Peak EIRP (dBm)=P_{Mea}(-16.69dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =20.91dBm

LTE Band 5- ERP Part 22.913(a)
Limits: ≤38.45dBm (7W)

LTE Band 5_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-14.12	-33.60	-0.79	2.15	16.53	38.45	H
836.50	-13.22	-33.50	-0.74	2.15	17.40	38.45	H
848.30	-13.37	-33.50	-0.73	2.15	17.25	38.45	H

LTE Band 5_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-13.30	-33.60	-0.84	2.15	17.31	38.45	H
836.50	-13.26	-33.50	-0.74	2.15	17.36	38.45	H
847.50	-12.66	-33.50	-0.73	2.15	17.96	38.45	H

LTE Band 5_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.45	-33.60	-0.84	2.15	17.16	38.45	H
836.50	-12.92	-33.50	-0.74	2.15	17.69	38.45	H
846.50	-12.64	-33.50	-0.73	2.15	17.98	38.45	H

LTE Band 5_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.23	-33.60	-0.84	2.15	17.38	38.45	H
836.50	-13.02	-33.50	-0.74	2.15	17.59	38.45	H
844.00	-13.20	-33.50	-0.78	2.15	17.36	38.45	H

LTE Band 5_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-13.26	-33.60	-0.79	2.15	17.39	38.45	H
836.50	-13.59	-33.50	-0.74	2.15	17.02	38.45	H
848.30	-13.43	-33.50	-0.73	2.15	17.19	38.45	H

LTE Band 5_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-13.25	-33.60	-0.84	2.15	17.36	38.45	H
836.50	-13.65	-33.50	-0.74	2.15	16.96	38.45	H
847.50	-12.89	-33.50	-0.73	2.15	17.73	38.45	H

LTE Band 5_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-14.23	-33.60	-0.84	2.15	16.38	38.45	H
836.50	-13.87	-33.50	-0.74	2.15	16.75	38.45	H
846.50	-12.73	-33.50	-0.73	2.15	17.89	38.45	H

LTE Band 5_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.62	-33.60	-0.84	2.15	16.99	38.45	H
836.50	-13.95	-33.50	-0.74	2.15	16.67	38.45	H
844.00	-12.84	-33.50	-0.78	2.15	17.72	38.45	H

Peak ERP (dBm)=P_{Mea}(-12.64dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15dB =17.98dBm

LTE Band 7- EIRP Part 27.50(h)(2)

Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-17.84	-28.70	10.70	21.56	33.00	H
2535.00	-17.60	-28.60	10.70	21.70	33.00	H
2567.50	-17.38	-28.60	10.70	21.92	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.00	-28.70	10.70	21.41	33.00	H
2535.00	-17.74	-28.60	10.70	21.56	33.00	H
2565.00	-17.28	-28.60	10.70	22.02	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-17.84	-28.70	10.70	21.56	33.00	H
2535.00	-17.92	-28.60	10.70	21.38	33.00	H
2562.50	-17.38	-28.60	10.70	21.92	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.83	-28.70	10.70	21.57	33.00	H
2535.00	-17.37	-28.60	10.70	21.93	33.00	H
2560.00	-17.16	-28.60	10.70	22.14	33.00	H

LTE Band 7_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.07	-28.70	10.70	21.33	33.00	H
2535.00	-18.13	-28.60	10.70	21.17	33.00	H
2567.50	-17.57	-28.60	10.70	21.73	33.00	H

LTE Band 7_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.31	-28.70	10.70	21.10	33.00	H
2535.00	-18.13	-28.60	10.70	21.17	33.00	H
2565.00	-17.36	-28.60	10.70	21.94	33.00	H

LTE Band 7_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.11	-28.70	10.70	21.29	33.00	H
2535.00	-18.09	-28.60	10.70	21.22	33.00	H
2562.50	-17.69	-28.60	10.70	21.61	33.00	H

LTE Band 7_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	G _a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-17.95	-28.70	10.70	21.46	33.00	H
2535.00	-17.72	-28.60	10.70	21.58	33.00	H
2560.00	-17.31	-28.60	10.70	22.00	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.16dBm)-(P_{cl}+P_{Ag})(-28.60dB)+G_a(10.70dB) =22.14dBm

LTE Band 12 - ERP Part 27.50(c)(10)

Limits: $\leq 34.77\text{dBm}$ (3W)

LTE Band 12_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-17.88	-34.80	-0.93	2.15	13.84	34.77	H
707.50	-16.56	-34.70	-0.91	2.15	15.09	34.77	H
715.30	-16.63	-34.70	-0.68	2.15	15.23	34.77	H

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-17.68	-34.80	-0.97	2.15	14.00	34.77	H
707.50	-16.97	-34.70	-0.91	2.15	14.68	34.77	H
714.50	-17.06	-34.70	-0.64	2.15	14.84	34.77	H

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-17.61	-34.80	-0.97	2.15	14.07	34.77	H
707.50	-17.11	-34.70	-0.91	2.15	14.53	34.77	H
713.50	-16.62	-34.70	-0.64	2.15	15.29	34.77	H

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-17.68	-34.80	-0.97	2.15	14.01	34.77	H
707.50	-18.58	-34.70	-0.91	2.15	13.06	34.77	H
711.00	-16.66	-34.70	-0.64	2.15	15.25	34.77	H

LTE Band 12_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-18.59	-34.80	-0.93	2.15	13.13	34.77	H
707.50	-16.86	-34.70	-0.91	2.15	14.79	34.77	H
715.30	-17.45	-34.70	-0.68	2.15	14.42	34.77	H

LTE Band 12_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-18.94	-34.80	-0.97	2.15	12.75	34.77	H
707.50	-17.05	-34.70	-0.91	2.15	14.59	34.77	H
714.50	-17.50	-34.70	-0.64	2.15	14.40	34.77	H

LTE Band 12_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-18.49	-34.80	-0.97	2.15	13.20	34.77	H
707.50	-17.33	-34.70	-0.91	2.15	14.31	34.77	H
713.50	-17.15	-34.70	-0.64	2.15	14.75	34.77	H

LTE Band 12_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-18.37	-34.80	-0.97	2.15	13.32	34.77	H
707.50	-18.74	-34.70	-0.91	2.15	12.91	34.77	H
711.00	-17.26	-34.70	-0.64	2.15	14.65	34.77	H

Peak ERP (dBm)=P_{Mea}(-16.62Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.64dB) -2.15dB =15.29dBm

LTE Band 17 - ERP Part 27.50(c)(10)

Limits: $\leq 34.77\text{dBm}$ (3W)

LTE Band 17_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-17.56	-34.70	-0.91	2.15	14.09	34.77	V
710.00	-16.21	-34.70	-0.64	2.15	15.69	34.77	V
713.50	-16.76	-34.70	-0.64	2.15	15.15	34.77	V

LTE Band 17_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-17.44	-34.70	-0.91	2.15	14.20	34.77	V
710.00	-17.47	-34.70	-0.64	2.15	14.44	34.77	V
711.00	-16.69	-34.70	-0.64	2.15	15.22	34.77	V

LTE Band 17_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-18.15	-34.70	-0.91	2.15	13.50	34.77	H
710.00	-17.06	-34.70	-0.64	2.15	14.85	34.77	H
713.50	-17.09	-34.70	-0.64	2.15	14.82	34.77	H

LTE Band 17_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-17.61	-34.70	-0.91	2.15	14.03	34.77	H
710.00	-17.94	-34.70	-0.64	2.15	13.96	34.77	H
711.00	-17.28	-34.70	-0.64	2.15	14.63	34.77	H

Peak ERP (dBm)=P_{Mea}(-16.21dBm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.64dB) -2.15dB =15.69dBm

LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)
Limits: ≤50.00dBm (100W)

LTE band 26(814MHz-824MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-16.64	-33.70	-0.80	2.15	14.11	50.00	H
819.00	-16.93	-33.60	-0.75	2.15	13.77	50.00	H
823.30	-16.39	-33.60	-0.79	2.15	14.27	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-17.68	-33.70	-0.80	2.15	13.07	50.00	H
819.00	-16.98	-33.60	-0.75	2.15	13.72	50.00	H
822.50	-16.72	-33.60	-0.79	2.15	13.93	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-16.45	-33.70	-0.80	2.15	14.30	50.00	H
819.00	-16.11	-33.60	-0.75	2.15	14.59	50.00	H
821.50	-16.21	-33.60	-0.79	2.15	14.44	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-16.42	-33.60	-0.75	2.15	14.28	50.00	H

LTE band 26(814MHz-824MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-16.53	-33.70	-0.80	2.15	14.22	50.00	H
819.00	-17.01	-33.60	-0.75	2.15	13.69	50.00	H
823.30	-17.42	-33.60	-0.79	2.15	13.24	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-17.18	-33.70	-0.80	2.15	13.57	50.00	H
819.00	-17.28	-33.60	-0.75	2.15	13.43	50.00	H
822.50	-17.80	-33.60	-0.79	2.15	12.85	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-17.28	-33.70	-0.80	2.15	13.47	50.00	H
819.00	-16.81	-33.60	-0.75	2.15	13.89	50.00	H
821.50	-17.37	-33.60	-0.79	2.15	13.28	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-16.97	-33.60	-0.75	2.15	13.73	50.00	H

Peak ERP (dBm)=P_{Mea}(-16.11dBm)-(P_{cl}+P_{Ag})(-33.60dB)+G_a(-0.75dB) -2.15 =14.59dBm

LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)
Limits: ≤38.45dBm (7W)

LTE band 26(824MHz-849MHz)_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-13.93	-33.60	-0.79	2.15	16.73	38.45	H
836.50	-13.25	-33.50	-0.74	2.15	17.37	38.45	H
848.30	-12.89	-33.50	-0.73	2.15	17.72	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-14.00	-33.60	-0.79	2.15	16.66	38.45	H
836.50	-13.62	-33.50	-0.74	2.15	17.00	38.45	H
847.50	-13.26	-33.50	-0.73	2.15	17.36	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.24	-33.60	-0.79	2.15	17.42	38.45	H
836.50	-13.22	-33.50	-0.74	2.15	17.39	38.45	H
846.50	-12.63	-33.50	-0.73	2.15	17.99	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.46	-33.60	-0.79	2.15	17.20	38.45	H
836.50	-13.49	-33.50	-0.74	2.15	17.12	38.45	H
844.00	-12.76	-33.50	-0.73	2.15	17.85	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{ci} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-14.10	-33.60	-0.79	2.15	16.56	38.45	H
836.50	-14.25	-33.50	-0.74	2.15	16.37	38.45	H
841.50	-14.02	-33.50	-0.73	2.15	16.60	38.45	H

LTE band 26(824MHz-849MHz)_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-14.25	-33.60	-0.79	2.15	16.41	38.45	H
836.50	-13.55	-33.50	-0.74	2.15	17.06	38.45	H
848.30	-13.08	-33.50	-0.73	2.15	17.54	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-14.47	-33.60	-0.79	2.15	16.19	38.45	H
836.50	-14.81	-33.50	-0.74	2.15	15.81	38.45	H
847.50	-12.91	-33.50	-0.73	2.15	17.71	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-14.11	-33.60	-0.79	2.15	16.54	38.45	H
836.50	-13.43	-33.50	-0.74	2.15	17.18	38.45	H
846.50	-13.00	-33.50	-0.73	2.15	17.62	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.50	-33.60	-0.79	2.15	17.16	38.45	H
836.50	-13.40	-33.50	-0.74	2.15	17.22	38.45	H
844.00	-13.35	-33.50	-0.73	2.15	17.26	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-15.73	-33.60	-0.79	2.15	14.93	38.45	H
836.50	-15.72	-33.50	-0.74	2.15	14.90	38.45	H
841.50	-15.66	-33.50	-0.73	2.15	14.96	38.45	H

Peak ERP (dBm)=P_{Mea}(-12.63dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15=17.99dBm

LTE Band 38 - EIRP Part 27.50(h)(2)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 38_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-16.99	-28.60	10.70	22.32	33.00	H
2595.00	-17.20	-28.60	10.70	22.10	33.00	H
2617.50	-19.06	-28.60	10.70	20.25	33.00	H

LTE Band 38_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.85	-28.60	10.70	22.45	33.00	H
2595.00	-17.36	-28.60	10.70	21.94	33.00	H
2615.00	-18.39	-28.60	10.70	20.91	33.00	H

LTE Band 38_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-17.04	-28.60	10.70	22.26	33.00	H
2595.00	-17.25	-28.60	10.70	22.05	33.00	H
2612.50	-18.08	-28.60	10.70	21.22	33.00	H

LTE Band 38_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-18.17	-28.60	10.70	21.13	33.00	H
2595.00	-18.25	-28.60	10.70	21.05	33.00	H
2610.00	-19.40	-28.60	10.70	19.90	33.00	H

LTE Band 38_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-17.24	-28.60	10.70	22.07	33.00	H
2595.00	-17.84	-28.60	10.70	21.46	33.00	H
2617.50	-19.25	-28.60	10.70	20.05	33.00	H

LTE Band 38_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.92	-28.60	10.70	22.38	33.00	H
2595.00	-17.40	-28.60	10.70	21.91	33.00	H
2615.00	-18.81	-28.60	10.70	20.50	33.00	H

LTE Band 38_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.77	-28.60	10.70	22.53	33.00	H
2595.00	-17.74	-28.60	10.70	21.56	33.00	H
2612.50	-18.28	-28.60	10.70	21.02	33.00	H

LTE Band 38_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-18.54	-28.60	10.70	20.76	33.00	H
2595.00	-18.55	-28.60	10.70	20.75	33.00	H
2610.00	-19.75	-28.60	10.70	19.55	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.77dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =22.53dBm

LTE Band 41 - EIRP Part 27.50(h)(2)

Limits: $\leq 33\text{dBm}$ (2W)

LTE Band 41_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.11	-28.70	10.70	22.29	33.00	H
2593.00	-17.17	-28.60	10.70	22.13	33.00	H
2687.50	-18.99	-28.50	10.70	20.21	33.00	H

LTE Band 41_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-16.93	-28.70	10.70	22.47	33.00	H
2593.00	-17.09	-28.60	10.70	22.21	33.00	H
2685.00	-18.74	-28.50	10.70	20.46	33.00	H

LTE Band 41_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-17.05	-28.70	10.70	22.35	33.00	H
2593.00	-17.01	-28.60	10.70	22.29	33.00	H
2682.50	-18.79	-28.50	10.70	20.41	33.00	H

LTE Band 41_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.10	-28.70	10.70	22.30	33.00	H
2593.00	-17.21	-28.60	10.70	22.09	33.00	H
2680.00	-18.18	-28.50	10.70	21.02	33.00	H

LTE Band 41_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.31	-28.70	10.70	22.09	33.00	H
2593.00	-18.36	-28.60	10.70	20.94	33.00	H
2687.50	-19.44	-28.50	10.70	19.76	33.00	H

LTE Band 41_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.34	-28.70	10.70	22.06	33.00	H
2593.00	-17.60	-28.60	10.70	21.70	33.00	H
2685.00	-19.47	-28.50	10.70	19.73	33.00	H

LTE Band 41_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.00	-17.20	-28.70	10.70	22.20	33.00	H
2593.00	-17.54	-28.60	10.70	21.76	33.00	H
2682.50	-19.47	-28.50	10.70	19.73	33.00	H

LTE Band 41_20 MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.47	-28.70	10.70	21.93	33.00	H
2593.00	-17.94	-28.60	10.70	21.36	33.00	H
2680.00	-19.92	-28.50	10.70	19.28	33.00	H

Peak EIRP (dBm)=P_{Mea}(-16.93dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =22.47dBm

LTE Band 66- EIRP Part 27.50(d)

Limits: ≤30dBm (1W)

LTE Band 66_1.4MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.57	-29.60	8.10	19.13	30.00	H
1745.00	-17.45	-29.50	8.10	20.15	30.00	H
1779.30	-16.77	-29.50	8.10	20.83	30.00	H

LTE Band 66_3MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-19.53	-29.60	8.10	18.17	30.00	H
1745.00	-17.80	-29.50	8.10	19.80	30.00	H
1778.50	-17.24	-29.50	8.10	20.36	30.00	H

LTE Band 66_5MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-19.42	-29.60	8.10	18.28	30.00	H
1745.00	-17.79	-29.50	8.10	19.81	30.00	H
1777.50	-16.77	-29.50	8.10	20.84	30.00	H

LTE Band 66_10MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-19.29	-29.60	8.10	18.41	30.00	H
1745.00	-18.17	-29.50	8.10	19.43	30.00	H
1775.00	-17.57	-29.50	8.10	20.03	30.00	H

LTE Band 66_15MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-19.25	-29.60	8.10	18.45	30.00	H
1745.00	-18.27	-29.50	8.10	19.33	30.00	H
1772.53	-17.58	-29.50	8.10	20.02	30.00	H

LTE Band 66_20MHz_QPSK

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-19.27	-29.60	8.10	18.43	30.00	H
1745.00	-18.68	-29.50	8.10	18.92	30.00	H
1770.00	-17.67	-29.50	8.10	19.93	30.00	H

LTE Band 66_1.4MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-19.38	-29.60	8.10	18.32	30.00	H
1745.00	-18.67	-29.50	8.10	18.93	30.00	H
1779.30	-17.99	-29.50	8.10	19.61	30.00	H

LTE Band 66_3MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-19.58	-29.60	8.10	18.12	30.00	H
1745.00	-18.33	-29.50	8.10	19.27	30.00	H
1778.50	-17.25	-29.50	8.10	20.35	30.00	H

LTE Band 66_5MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-19.59	-29.60	8.10	18.11	30.00	H
1745.00	-18.65	-29.50	8.10	18.95	30.00	H
1777.50	-17.12	-29.50	8.10	20.48	30.00	H

LTE Band 66_10MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-19.11	-29.60	8.10	18.59	30.00	H
1745.00	-18.18	-29.50	8.10	19.42	30.00	H
1775.00	-17.84	-29.50	8.10	19.76	30.00	H

LTE Band 66_15MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-19.04	-29.60	8.10	18.66	30.00	H
1745.00	-18.44	-29.50	8.10	19.16	30.00	H
1772.53	-18.10	-29.50	8.10	19.50	30.00	H

LTE Band 66_20MHz_16QAM

Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-19.54	-29.60	8.10	18.16	30.00	H
1745.00	-19.30	-29.50	8.10	18.30	30.00	H
1770.00	-18.23	-29.50	8.10	19.37	30.00	H

Peak EIRP (dBm)=P_{Mea}(-16.77dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =20.84dBm

LTE Band CA_7C - EIRP Part 27.50(h)(2)

Limits: ≤33dBm (2W)

LTE Band CA_7C_10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-17.41	-28.70	10.70	21.99	33.00	V
2525.60	2540.00	-17.58	-28.60	10.70	21.72	33.00	V
2545.60	2560.00	-18.36	-28.60	10.70	20.94	33.00	V

LTE Band CA_7C_20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-18.78	-28.70	10.70	20.62	33.00	H
2530.10	2544.50	-19.15	-28.60	10.70	20.15	33.00	H
2550.10	2564.50	-18.89	-28.60	10.70	20.41	33.00	H

LTE Band CA_7C_20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-19.55	-28.70	10.70	19.85	33.00	H
2527.60	2544.70	-19.09	-28.60	10.70	20.21	33.00	H
2545.10	2562.20	-18.47	-28.60	10.70	20.83	33.00	H

LTE Band CA_7C_20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-20.36	-28.70	10.70	19.04	33.00	H
2525.10	2544.90	-19.96	-28.60	10.70	19.34	33.00	H
2540.20	2560.00	-20.99	-28.60	10.70	18.31	33.00	H

LTE Band CA_7C_15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-19.26	-28.70	10.70	20.14	33.00	H
2530.10	2542.10	-19.82	-28.60	10.70	19.48	33.00	H
2552.70	2564.70	-19.17	-28.60	10.70	20.13	33.00	H

LTE Band CA_7C_15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-18.81	-28.70	10.70	20.59	33.00	H
2527.50	2542.50	-19.17	-28.60	10.70	20.13	33.00	H
2547.50	2562.50	-18.83	-28.60	10.70	20.47	33.00	H

LTE Band CA_7C _15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-21.16	-28.70	10.70	18.24	33.00	H
2525.30	2542.40	-20.83	-28.60	10.70	18.47	33.00	H
2542.90	2560.00	-20.11	-28.60	10.70	19.19	33.00	H

LTE Band CA_7C_10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.50	2519.90	-18.00	-28.70	10.70	21.40	33.00	V
2525.60	2540.00	-17.73	-28.60	10.70	21.57	33.00	V
2545.60	2560.00	-18.61	-28.60	10.70	20.69	33.00	V

LTE Band CA_7C_20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2524.40	-19.09	-28.70	10.70	20.31	33.00	H
2530.10	2544.50	-19.45	-28.60	10.70	19.85	33.00	H
2550.10	2564.50	-19.19	-28.60	10.70	20.11	33.00	H

LTE Band CA_7C_20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2527.10	-19.83	-28.70	10.70	19.57	33.00	H
2527.60	2544.70	-20.09	-28.60	10.70	19.21	33.00	H
2545.10	2562.20	-18.48	-28.60	10.70	20.82	33.00	H

LTE Band CA_7C_20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	2529.80	-20.57	-28.70	10.70	18.83	33.00	H
2525.10	2544.90	-20.85	-28.60	10.70	18.45	33.00	H
2540.20	2560.00	-20.55	-28.60	10.70	18.75	33.00	H

LTE Band CA_7C_15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2519.50	-20.82	-28.70	10.70	18.58	33.00	H
2530.10	2542.10	-18.59	-28.60	10.70	20.71	33.00	H
2552.70	2564.70	-18.10	-28.60	10.70	21.20	33.00	H

LTE Band CA_7C_15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	2522.50	-18.88	-28.70	10.70	20.52	33.00	H
2527.50	2542.50	-19.03	-28.60	10.70	20.27	33.00	H
2547.50	2562.50	-18.20	-28.60	10.70	21.10	33.00	H

LTE Band CA_7C _15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.80	2425.90	-19.59	-28.70	10.70	19.81	33.00	H
2525.30	2542.40	-20.18	-28.60	10.70	19.12	33.00	H
2542.90	2560.00	-19.44	-28.60	10.70	19.86	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.41dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =21.99dBm

LTE Band CA_38C - EIRP Part 27.50(h)(2)
Limits: ≤33dBm (2W)

LTE Band CA_38C_15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	2592.50	-18.49	-28.70	10.70	20.91	33.00	V
2587.50	2602.50	-18.64	-28.60	10.70	20.66	33.00	V
2597.50	2612.50	-19.19	-28.50	10.70	20.01	33.00	V

LTE Band CA_38C_20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	2599.80	-20.43	-28.70	10.70	18.97	33.00	V
2585.10	2604.90	-19.86	-28.60	10.70	19.44	33.00	V
2590.20	2610.00	-20.06	-28.60	10.70	19.24	33.00	V

LTE Band CA_38C_15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	2592.50	-18.75	-28.70	10.70	20.65	33.00	V
2587.50	2602.50	-19.49	-28.60	10.70	19.81	33.00	V
2597.50	2612.50	-19.42	-28.50	10.70	19.78	33.00	V

L LTE Band CA_38C_20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	2599.80	-18.68	-28.70	10.70	20.72	33.00	V
2585.10	2604.90	-19.55	-28.60	10.70	19.75	33.00	V
2590.20	2610.00	-19.91	-28.60	10.70	19.39	33.00	V

Peak EIRP (dBm)=P_{Mea}(-18.49dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =20.91dBm

LTE Band CA_41C - EIRP Part 27.50(h)(2)

Limits: ≤33dBm (2W)

LTE Band CA_41C_5MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-18.20	-28.70	10.70	21.20	33.00	V
2583.80	2595.50	-18.90	-28.60	10.70	20.40	33.00	V
2668.30	2680.00	-18.42	-28.50	10.70	20.78	33.00	V

LTE Band CA_41C_10MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.40	-28.70	10.70	20.00	33.00	V
2583.60	2598.00	-19.54	-28.60	10.70	19.76	33.00	V
2665.60	2680.00	-19.38	-28.60	10.70	19.92	33.00	V

LTE Band CA_41C_15MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-19.85	-28.70	10.70	19.55	33.00	H
2583.30	2600.40	-20.32	-28.60	10.70	18.98	33.00	H
2662.90	2680.00	-20.44	-28.60	10.70	18.86	33.00	H

LTE Band CA_41C_20MHz+5MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-19.38	-28.70	10.70	20.02	33.00	H
2590.50	2602.20	-19.79	-28.60	10.70	19.51	33.00	H
2675.00	2686.70	-19.88	-28.60	10.70	19.42	33.00	H

LTE Band CA_41C_20MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-19.79	-28.70	10.70	19.61	33.00	H
2588.10	2602.50	-20.69	-28.60	10.70	18.61	33.00	H
2670.10	2684.50	-20.27	-28.60	10.70	19.03	33.00	H

LTE Band CA_41C_20MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-20.84	-28.70	10.70	18.56	33.00	H
2585.60	2602.70	-21.00	-28.60	10.70	18.30	33.00	H
2665.10	2682.20	-21.82	-28.60	10.70	17.48	33.00	H

LTE Band CA_41C_15MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-19.63	-28.70	10.70	19.77	33.00	H
2585.50	2600.50	-19.42	-28.60	10.70	19.88	33.00	H
2667.50	2682.50	-19.60	-28.60	10.70	19.70	33.00	H

LTE Band CA_41C_20MHz+20MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-21.89	-28.70	10.70	17.51	33.00	H
2583.10	2602.90	-22.20	-28.60	10.70	17.10	33.00	H
2660.20	2680.00	-22.05	-28.60	10.70	17.25	33.00	H

LTE Band CA_41C_15MHz+10MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-19.57	-28.70	10.70	19.83	33.00	H
2588.10	2600.10	-20.06	-28.60	10.70	19.24	33.00	H
2672.70	2684.70	-19.63	-28.60	10.70	19.67	33.00	H

LTE Band CA_41C_10MHz+15MHz_QPSK

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-19.48	-28.70	10.70	19.92	33.00	H
2585.90	2597.90	-19.31	-28.60	10.70	19.99	33.00	H
2670.50	2682.50	-19.67	-28.60	10.70	19.63	33.00	H

LTE Band CA_41C_5MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2499.30	2511.00	-18.70	-28.70	10.70	20.70	33.00	H
2583.80	2595.50	-19.40	-28.60	10.70	19.90	33.00	H
2668.30	2680.00	-18.94	-28.50	10.70	20.26	33.00	H

LTE Band CA_41C_10MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.50	2515.90	-19.91	-28.70	10.70	19.49	33.00	V
2583.60	2598.00	-20.05	-28.60	10.70	19.25	33.00	V
2665.60	2680.00	-19.89	-28.60	10.70	19.41	33.00	V

LTE Band CA_41C_15MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.80	2520.90	-20.36	-28.70	10.70	19.04	33.00	V
2583.30	2600.40	-20.82	-28.60	10.70	18.48	33.00	V
2662.90	2680.00	-20.95	-28.60	10.70	18.35	33.00	V

LTE Band CA_41C_20MHz+5MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2517.70	-19.82	-28.70	10.70	19.58	33.00	H
2590.50	2602.20	-20.23	-28.60	10.70	19.07	33.00	H
2675.00	2686.70	-20.32	-28.60	10.70	18.98	33.00	H

LTE Band CA_41C_20MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2520.40	-20.45	-28.70	10.70	18.95	33.00	H
2588.10	2602.50	-21.35	-28.60	10.70	17.95	33.00	H
2670.10	2684.50	-20.93	-28.60	10.70	18.37	33.00	H

LTE Band CA_41C_20MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2523.10	-21.30	-28.70	10.70	18.10	33.00	H
2585.60	2602.70	-21.45	-28.60	10.70	17.85	33.00	H
2665.10	2682.20	-22.26	-28.60	10.70	17.04	33.00	H

LTE Band CA_41C_15MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2518.50	-20.11	-28.70	10.70	19.29	33.00	H
2585.50	2600.50	-19.89	-28.60	10.70	19.41	33.00	H
2667.50	2682.50	-20.07	-28.60	10.70	19.23	33.00	H

LTE Band CA_41C_20MHz+20MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	2525.80	-22.37	-28.70	10.70	17.03	33.00	H
2583.10	2602.90	-22.68	-28.60	10.70	16.62	33.00	H
2660.20	2680.00	-22.53	-28.60	10.70	16.77	33.00	H

LTE Band CA_41C_15MHz+10MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	2515.50	-20.03	-28.70	10.70	19.37	33.00	H
2588.10	2600.10	-20.54	-28.60	10.70	18.76	33.00	H
2672.70	2684.70	-20.11	-28.60	10.70	19.19	33.00	H

LTE Band CA_41C_10MHz+15MHz_16QAM

Frequency(MHz)	Frequency(MHz)	P _{Mea} (dBm)	P _{cl} (dB)+ P _{Ag} (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.30	2513.30	-19.95	-28.70	10.70	19.45	33.00	H
2585.90	2597.90	-19.79	-28.60	10.70	19.51	33.00	H
2670.50	2682.50	-20.15	-28.60	10.70	19.15	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.20dBm)-(P_{cl}+P_{Ag})(-28.70dB)+G_a(10.70dB)=21.20dBm

ANALYZER SETTINGS:

RBW = VBW = 8MHz for occupied bandwidths equal to or less than 5MHz.

RBW = VBW = 20MHz for occupied bandwidths equal to or greater than 10MHz.

Note: The maximum value of expanded measurement uncertainty for this test item is U =

2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.85dB(18GHz-40GHz), k = 2

Note: Both of Vertical and Horizontal polarizations are evaluated, but only the worst case is recorded in this report.

A.2 FIELD STRENGTH OF SPURIOUS RADIATION

Reference

FCC: CFR 2.1053, 22.917, 24.238, 27.53, 90.691.

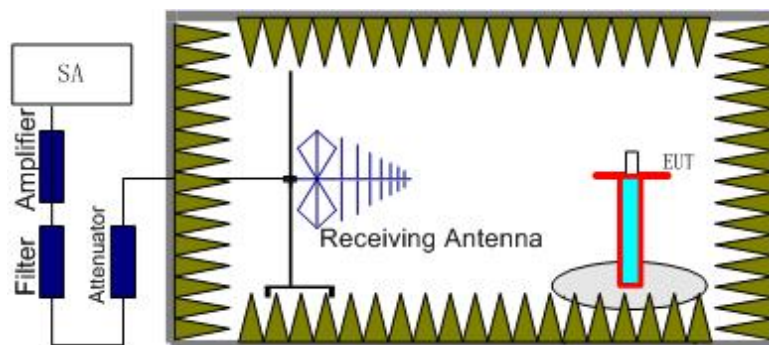
A.2.1 Measurement Method

This measurement is carried out in fully-anechoic chamber FAC-3.

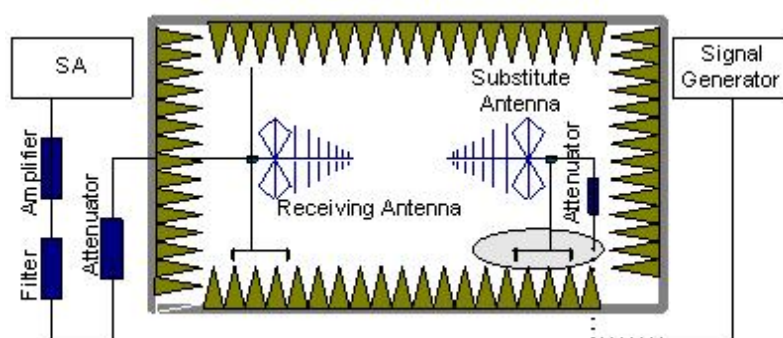
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the LTE Bands 2,4,5,7,12,17,26,38,41,66,CA_7C,CA_38C, CA_41C.

The procedure of radiated spurious emissions is as follows:

1. For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, EUT was placed on a 80 cm high non-conductive stand at a 3 meter test distance from the receive antenna. For radiated measurements performed at frequencies above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Receiving antenna was placed on the antenna mast 3 meters from the EUT. For emission measurements. The receiving antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reaches the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain(dBi) (G_a) should be recorded after test.

An amplifier should be connected in for the test.

The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (unit: dBi) and known input power.
6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dB}$.

A.2.2 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the LTE Bands 2,4,5,7,12,17, 26,38,41,66,CA_7C, CA_38C, CA_41C. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the LTE Bands 2,4,5,7,12,17, 26,38,41,66,CA_7C, CA_38C, CA_41C into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. Only worst case result is given below.

Upper antenna

LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7190.00	-53.02	1.80	12.00	-42.82	-13.00	H
9296.19	-50.56	2.00	11.60	-40.96	-13.00	H
11028.57	-48.05	2.30	10.50	-39.85	-13.00	H
15942.86	-45.16	2.60	15.60	-32.16	-13.00	H
16985.71	-43.83	2.90	16.50	-30.23	-13.00	H
17455.71	-40.36	2.90	14.50	-28.76	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7326.19	-53.11	1.70	12.00	-42.81	-13.00	H
9299.05	-49.61	2.00	11.60	-40.01	-13.00	H
11028.10	-48.22	2.30	10.50	-40.02	-13.00	H
15916.19	-47.01	2.60	15.60	-34.01	-13.00	H
16622.86	-46.34	2.60	16.50	-32.44	-13.00	H
17512.86	-38.92	2.90	12.80	-29.02	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7225.24	-52.14	1.80	12.00	-41.94	-13.00	H
9299.05	-50.43	2.00	11.60	-40.83	-13.00	H
11026.67	-48.37	2.30	10.50	-40.17	-13.00	H
16497.14	-47.34	2.70	17.40	-32.64	-13.00	H
16989.05	-44.78	2.90	16.50	-31.18	-13.00	H
17623.33	-37.97	3.30	12.80	-28.47	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7214.29	-53.17	1.80	12.00	-42.97	-13.00	H
9300.00	-49.96	2.00	11.60	-40.36	-13.00	H
11022.86	-48.75	2.30	10.50	-40.55	-13.00	H
14190.48	-45.97	2.50	11.90	-36.57	-13.00	H
16475.24	-47.19	2.70	17.40	-32.49	-13.00	H
17573.81	-38.15	3.30	12.80	-28.65	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7311.43	-52.96	1.90	12.00	-42.86	-13.00	H
9303.81	-49.98	2.00	11.60	-40.38	-13.00	H
11030.00	-48.59	2.30	10.50	-40.39	-13.00	H
15902.86	-46.10	2.60	15.60	-33.10	-13.00	H
16483.33	-46.98	2.70	17.40	-32.28	-13.00	H
17512.86	-39.39	2.90	12.80	-29.49	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7204.29	-52.61	1.80	12.00	-42.41	-13.00	V
9306.19	-50.71	2.00	11.60	-41.11	-13.00	H
11024.29	-48.23	2.30	10.50	-40.03	-13.00	H
14035.71	-47.22	2.50	11.90	-37.82	-13.00	H
16003.33	-48.05	2.60	17.40	-33.25	-13.00	H
17525.71	-39.39	2.90	12.80	-29.49	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 4, 1.4MHz QPSK, Channel 19957

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3420.38	-63.99	1.20	11.50	-53.69	-13.00	H
9300.48	-60.35	2.00	11.60	-50.75	-13.00	H
11017.62	-59.14	2.30	10.50	-50.94	-13.00	H
15939.05	-56.94	2.60	15.60	-43.94	-13.00	H
16471.90	-57.51	2.70	17.40	-42.81	-13.00	H
17586.19	-49.00	3.30	12.80	-39.50	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20175

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3464.25	-63.29	1.10	11.50	-52.89	-13.00	H
9222.38	-60.91	2.10	11.60	-51.41	-13.00	H
11023.81	-58.57	2.30	10.50	-50.37	-13.00	H
16000.48	-58.58	2.60	17.40	-43.78	-13.00	H
16932.38	-54.84	2.90	16.50	-41.24	-13.00	H
17413.81	-51.56	2.90	14.50	-39.96	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20393

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3507.75	-64.51	1.10	12.20	-53.41	-13.00	H
5261.63	-56.96	1.80	12.50	-46.26	-13.00	H
12434.29	-59.49	2.60	12.60	-49.49	-13.00	H
15942.86	-56.79	2.60	15.60	-43.79	-13.00	H
16993.33	-54.54	2.90	16.50	-40.94	-13.00	H
17979.05	-47.14	3.20	12.80	-37.54	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 19957

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3420.38	-67.29	1.20	11.50	-56.99	-13.00	H
5130.75	-64.87	1.30	12.50	-53.67	-13.00	V
11022.86	-59.12	2.30	10.50	-50.92	-13.00	H
15948.57	-56.77	2.60	15.60	-43.77	-13.00	H
16937.14	-54.30	2.90	16.50	-40.70	-13.00	H
17451.90	-51.26	2.90	14.50	-39.66	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 20175

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3463.88	-67.70	1.10	11.50	-57.30	-13.00	H
5196.00	-63.35	1.60	12.50	-52.45	-13.00	H
11025.24	-58.54	2.30	10.50	-50.34	-13.00	H
15940.95	-57.25	2.60	15.60	-44.25	-13.00	H
16933.81	-54.58	2.90	16.50	-40.98	-13.00	H
17520.95	-49.37	2.90	12.80	-39.47	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 20393

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3507.75	-66.53	1.10	12.20	-55.43	-13.00	H
5261.63	-62.01	1.80	12.50	-51.31	-13.00	H
12434.29	-59.16	2.60	12.60	-49.16	-13.00	H
15996.67	-57.26	2.60	15.60	-44.26	-13.00	H
16982.86	-54.52	2.90	16.50	-40.92	-13.00	H
17567.62	-49.35	3.30	12.80	-39.85	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 5, 1.4MHz, QPSK, Channel 20407

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2181.00	-54.83	0.90	9.80	-48.08	-13.00	H
2804.00	-53.39	1.00	10.70	-45.84	-13.00	H
7224.65	-52.97	1.80	12.00	-44.92	-13.00	V
8461.40	-51.65	1.80	11.30	-44.30	-13.00	H
9301.40	-50.62	2.00	11.60	-43.17	-13.00	H
9801.86	-50.92	2.30	11.20	-44.17	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1732.50	-58.10	0.80	8.10	-52.95	-13.00	H
2537.00	-55.24	0.90	10.70	-47.59	-13.00	H
6526.51	-54.71	1.70	12.40	-46.16	-13.00	V
7272.56	-52.70	1.90	12.00	-44.75	-13.00	H
8479.07	-51.20	1.80	11.30	-43.85	-13.00	H
9297.67	-49.80	2.00	11.60	-42.35	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.50	-53.15	0.80	8.10	-48.00	-13.00	H
2864.50	-53.40	1.00	10.70	-45.85	-13.00	V
6419.07	-55.52	1.60	13.10	-46.17	-13.00	V
7117.67	-52.64	1.90	12.00	-44.69	-13.00	H
8431.63	-51.41	1.80	11.30	-44.06	-13.00	H
9473.95	-50.52	2.10	11.60	-43.17	-13.00	V

LTE Band 5, 1.4MHz, 16QAM, Channel 20407

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.00	-56.18	0.80	8.10	-51.03	-13.00	H
2562.00	-55.69	1.00	10.70	-48.14	-13.00	H
7138.60	-53.11	1.90	12.00	-45.16	-13.00	V
8369.30	-52.03	1.80	11.30	-44.68	-13.00	H
9301.40	-49.99	2.00	11.60	-42.54	-13.00	H
9739.53	-50.84	2.20	11.20	-43.99	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2136.50	-54.96	0.90	9.80	-48.21	-13.00	H
2544.00	-55.19	0.90	10.70	-47.54	-13.00	H
7202.33	-52.62	1.80	12.00	-44.57	-13.00	H
8438.60	-51.11	1.80	11.30	-43.76	-13.00	H
9224.65	-50.49	2.10	11.60	-43.14	-13.00	H
9793.95	-51.40	2.30	11.20	-44.65	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.00	-55.68	0.80	8.10	-50.53	-13.00	H
2474.00	-53.53	0.90	9.80	-46.78	-13.00	V
7224.19	-52.70	1.80	12.00	-44.65	-13.00	H
8386.05	-51.79	1.80	11.30	-44.44	-13.00	H
9295.81	-50.26	2.00	11.60	-42.81	-13.00	H
9796.28	-50.82	2.30	11.20	-44.07	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 7, 5 MHz, QPSK, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.25	1.00	10.70	-54.55	-25.00	V
5004.00	-72.85	1.30	12.50	-61.65	-25.00	V
7284.53	-68.75	1.90	12.00	-58.65	-25.00	H
9622.80	-65.85	2.10	11.20	-56.75	-25.00	H
15005.80	-59.85	2.40	12.40	-49.85	-25.00	H
17992.30	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	V
4654.40	-75.45	1.30	12.50	-64.25	-25.00	H
7431.93	-69.25	1.90	12.00	-59.15	-25.00	H
11361.87	-61.55	2.50	10.50	-53.55	-25.00	V
15007.27	-59.85	2.40	12.40	-49.85	-25.00	H
17942.43	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.35	1.00	10.70	-54.65	-25.00	V
4686.40	-75.15	1.30	12.50	-63.95	-25.00	H
7252.63	-68.65	1.90	12.00	-58.55	-25.00	H
11174.50	-62.25	2.50	10.50	-54.25	-25.00	V
15005.43	-59.85	2.40	12.40	-49.85	-25.00	H
17997.80	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.35	1.00	10.70	-54.65	-25.00	V
4622.40	-75.55	1.30	12.50	-64.35	-25.00	H
7301.40	-69.35	1.90	12.00	-59.25	-25.00	H
11038.10	-62.45	2.30	10.50	-54.25	-25.00	V
15072.53	-60.45	2.40	12.40	-50.45	-25.00	H
17940.97	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2963.20	-64.55	1.00	10.70	-54.85	-25.00	V
4654.00	-76.75	1.30	12.50	-65.55	-25.00	H
7393.80	-69.35	1.90	12.00	-59.25	-25.00	H
11400.00	-62.25	2.50	10.50	-54.25	-25.00	V
15006.17	-59.85	2.40	12.40	-49.85	-25.00	H
17995.23	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.35	1.00	10.70	-54.65	-25.00	V
4686.40	-76.25	1.30	12.50	-65.05	-25.00	H
7283.80	-68.65	1.90	12.00	-58.55	-25.00	H
10869.80	-63.25	2.30	10.80	-54.75	-25.00	V
15001.77	-59.85	2.40	12.40	-49.85	-25.00	H
17867.63	-55.95	3.60	12.80	-46.75	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1294.80	-67.25	0.70	6.00	-64.10	-13.00	H
2403.60	-64.95	0.90	9.80	-58.20	-13.00	H
2992.40	-65.15	1.00	10.70	-57.60	-13.00	H
3984.60	-77.85	1.20	12.20	-69.00	-13.00	H
4788.00	-76.15	1.30	12.50	-67.10	-13.00	H
5955.60	-75.15	1.50	13.10	-65.70	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1484.60	-66.45	0.70	6.00	-63.30	-13.00	H
2426.40	-64.35	0.90	9.80	-57.60	-13.00	H
2974.80	-65.05	1.00	10.70	-57.50	-13.00	H
4281.60	-76.65	1.20	12.40	-67.60	-13.00	H
4792.40	-75.45	1.30	12.50	-66.40	-13.00	H
5790.20	-74.85	1.50	13.10	-65.40	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1210.00	-67.65	0.70	6.00	-64.50	-13.00	H
1987.60	-66.25	0.80	8.10	-61.10	-13.00	H
2948.80	-64.95	1.00	10.70	-57.40	-13.00	H
4109.60	-77.05	1.20	12.40	-68.00	-13.00	H
4586.80	-76.25	1.30	12.50	-67.20	-13.00	H
6532.40	-72.15	1.70	12.40	-63.60	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2002.40	-67.95	0.80	9.80	-61.10	-13.00	H
2948.80	-65.05	1.00	10.70	-57.50	-13.00	H
3486.80	-77.15	1.10	11.50	-68.90	-13.00	H
4067.80	-75.95	1.30	12.40	-67.00	-13.00	H
5290.40	-74.85	1.60	12.50	-66.10	-13.00	H
6581.20	-71.55	1.70	12.40	-63.00	-13.00	H

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1586.80	-68.55	0.70	8.10	-63.30	-13.00	H
2437.60	-64.05	0.90	9.80	-57.30	-13.00	H
2993.20	-65.15	1.00	10.70	-57.60	-13.00	H
3788.00	-77.45	1.10	12.20	-68.50	-13.00	H
5232.80	-74.05	1.80	12.50	-65.50	-13.00	H
6638.00	-72.05	1.80	12.40	-63.60	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1484.60	-66.45	0.70	6.00	-63.30	-13.00	H
1988.00	-66.25	0.80	8.10	-61.10	-13.00	H
2957.60	-64.95	1.00	10.70	-57.40	-13.00	H
3788.00	-76.55	1.10	12.20	-67.60	-13.00	H
5048.00	-75.15	1.30	12.50	-66.10	-13.00	H
6279.40	-74.45	1.60	13.10	-65.10	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 17, 5MHz, QPSK, Channel 23755

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1489.00	-66.45	0.70	6.00	-63.30	-13.00	H
2002.00	-67.95	0.80	9.80	-61.10	-13.00	H
2932.80	-65.15	1.00	10.70	-57.60	-13.00	H
3801.20	-76.95	1.20	12.20	-68.10	-13.00	H
4606.40	-75.65	1.30	12.50	-66.60	-13.00	H
5301.40	-74.35	1.60	12.50	-65.60	-13.00	H

LTE Band 17, 5MHz, QPSK, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1545.00	-68.65	0.70	8.10	-63.40	-13.00	H
1978.40	-66.65	0.80	8.10	-61.50	-13.00	H
2434.40	-64.05	0.90	9.80	-57.30	-13.00	H
4301.20	-77.15	1.20	12.40	-68.10	-13.00	H
5542.00	-75.95	1.40	13.10	-66.40	-13.00	H
6849.80	-71.55	1.80	12.40	-63.10	-13.00	H

LTE Band 17, 5MHz, QPSK, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1555.60	-69.25	0.70	8.10	-64.00	-13.00	H
2427.20	-64.25	0.90	9.80	-57.50	-13.00	H
2974.80	-64.55	1.00	10.70	-57.00	-13.00	H
3986.80	-77.15	1.20	12.20	-68.30	-13.00	H
5029.20	-75.05	1.30	12.50	-66.00	-13.00	H
6788.00	-72.15	1.60	12.40	-63.50	-13.00	H

LTE Band 17, 5MHz, 16QAM, Channel 23755

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1459.40	-66.15	0.70	6.00	-63.00	-13.00	H
1944.00	-67.05	0.80	8.10	-61.90	-13.00	H
2916.40	-65.15	1.00	10.70	-57.60	-13.00	H
3989.00	-78.15	1.20	12.20	-69.30	-13.00	H
4853.60	-75.55	1.30	12.50	-66.50	-13.00	H
5501.60	-76.05	1.40	13.10	-66.50	-13.00	H

LTE Band 17, 5MHz 16QAM, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1786.80	-68.45	0.80	8.10	-63.30	-13.00	H
2438.80	-66.45	0.90	9.80	-59.70	-13.00	H
2966.00	-64.95	1.00	10.70	-57.40	-13.00	H
3810.00	-77.35	1.20	12.20	-68.50	-13.00	H
5017.20	-75.15	1.30	12.50	-66.10	-13.00	H
6253.00	-73.95	1.60	13.10	-64.60	-13.00	H

LTE Band 17, 5MHz, 16QAM, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1927.00	-66.25	0.80	8.10	-61.10	-13.00	H
2435.20	-64.45	0.90	9.80	-57.70	-13.00	H
2957.60	-64.95	1.00	10.70	-57.40	-13.00	H
4604.00	-75.65	1.30	12.50	-66.60	-13.00	H
5005.80	-75.05	1.30	12.50	-66.00	-13.00	H
6986.80	-70.75	1.80	12.40	-62.30	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1645.50	-56.28	0.80	8.10	-51.13	-13.00	H
2224.50	-54.44	0.90	9.80	-47.69	-13.00	V
5114.63	-57.36	1.30	12.50	-48.31	-13.00	V
6536.28	-54.75	1.70	12.40	-46.20	-13.00	V
8471.16	-51.77	1.80	11.30	-44.42	-13.00	H
9297.67	-48.78	2.00	11.60	-41.33	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1637.00	-55.27	0.80	8.10	-50.12	-13.00	H
2278.00	-54.35	0.90	9.80	-47.60	-13.00	H
6526.05	-53.54	1.70	12.40	-44.99	-13.00	V
8471.63	-52.30	1.80	11.30	-44.95	-13.00	H
9301.86	-49.35	2.00	11.60	-41.90	-13.00	H
9795.81	-50.21	2.30	11.20	-43.46	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1628.50	-53.00	0.80	8.10	-47.85	-13.00	H
2918.00	-54.21	1.00	10.70	-46.66	-13.00	H
7201.86	-53.41	1.80	12.00	-45.36	-13.00	H
8511.63	-52.16	2.10	12.00	-44.41	-13.00	H
9225.58	-50.80	2.10	11.60	-43.45	-13.00	H
9801.86	-50.61	2.30	11.20	-43.86	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1645.50	-56.55	0.80	8.10	-51.40	-13.00	H
2171.50	-54.02	0.90	9.80	-47.27	-13.00	H
7318.14	-52.48	1.70	12.00	-44.33	-13.00	H
8434.42	-51.24	1.80	11.30	-43.89	-13.00	H
9225.12	-50.23	2.10	11.60	-42.88	-13.00	H
9724.65	-50.73	2.20	11.20	-43.88	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
2267.00	-54.12	0.90	9.80	-47.37	-13.00	V
2798.50	-53.86	1.00	10.70	-46.31	-13.00	H
7326.98	-52.17	1.70	12.00	-44.02	-13.00	V
7908.37	-51.68	1.70	11.30	-44.23	-13.00	H
8454.88	-51.36	1.80	11.30	-44.01	-13.00	H
9225.12	-50.25	2.10	11.60	-42.90	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1628.00	-56.10	0.80	8.10	-50.95	-13.00	H
2812.00	-54.34	1.00	10.70	-46.79	-13.00	V
5656.13	-57.35	1.30	13.10	-47.70	-13.00	V
7205.12	-53.50	1.80	12.00	-45.45	-13.00	V
8514.88	-52.70	2.10	12.00	-44.95	-13.00	H
9745.58	-49.91	2.20	11.20	-43.06	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 4.92\text{dB}(30\text{MHz}-3\text{GHz})/4.88\text{dB}(3\text{GHz}-18\text{GHz})/5.66\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.50	-54.71	0.80	8.10	-49.56	-13.00	H
2579.00	-54.29	1.00	10.70	-46.74	-13.00	H
5082.75	-57.34	1.20	12.50	-48.19	-13.00	V
7216.74	-52.99	1.80	12.00	-44.94	-13.00	V
8334.88	-53.04	1.80	11.30	-45.69	-13.00	H
9223.72	-50.13	2.10	11.60	-42.78	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2133.50	-55.43	0.90	9.80	-48.68	-13.00	H
2927.00	-53.45	1.00	10.70	-45.90	-13.00	H
7209.77	-52.12	1.80	12.00	-44.07	-13.00	V
8019.53	-51.93	2.00	11.30	-44.78	-13.00	H
9297.67	-50.48	2.00	11.60	-43.03	-13.00	H
9737.67	-50.30	2.20	11.20	-43.45	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.00	-55.67	0.80	8.10	-50.52	-13.00	H
2711.50	-53.88	1.00	10.70	-46.33	-13.00	H
6554.88	-54.88	1.70	12.40	-46.33	-13.00	V
7319.53	-53.02	1.70	12.00	-44.87	-13.00	H
8438.60	-51.14	1.80	11.30	-43.79	-13.00	H
9472.56	-49.99	2.10	11.60	-42.64	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.50	-54.19	0.80	8.10	-49.04	-13.00	H
2142.00	-55.01	0.90	9.80	-48.26	-13.00	H
6579.53	-54.45	1.70	12.40	-45.90	-13.00	V
7166.05	-52.61	1.90	12.00	-44.66	-13.00	H
8470.70	-51.78	1.80	11.30	-44.43	-13.00	H
9306.51	-50.36	2.00	11.60	-42.91	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2235.50	-55.43	0.90	9.80	-48.68	-13.00	V
2755.50	-53.91	1.00	10.70	-46.36	-13.00	H
7323.26	-53.28	1.70	12.00	-45.13	-13.00	V
8720.47	-51.83	2.00	12.00	-43.98	-13.00	H
9426.05	-49.70	2.10	11.60	-42.35	-13.00	H
9722.79	-50.75	2.20	11.20	-43.90	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2215.50	-54.54	0.90	9.80	-47.79	-13.00	H
2779.00	-53.08	1.00	10.70	-45.53	-13.00	H
7222.79	-53.21	1.80	12.00	-45.16	-13.00	H
8118.14	-53.72	1.80	11.30	-46.37	-13.00	H
8858.14	-52.36	1.90	12.00	-44.41	-13.00	V
9475.35	-49.75	2.10	11.60	-42.40	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 38, 5MHz, QPSK, Channel 37775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.25	1.00	10.70	-54.55	-25.00	H
4848.80	-75.45	1.30	12.50	-64.25	-25.00	H
7282.70	-68.75	1.90	12.00	-58.65	-25.00	H
11047.63	-62.45	2.30	10.50	-54.25	-25.00	H
14766.00	-59.15	2.50	11.20	-50.45	-25.00	H
17986.43	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2962.00	-64.55	1.00	10.70	-54.85	-25.00	H
5228.00	-74.95	1.80	12.50	-64.25	-25.00	H
7284.53	-68.75	1.90	12.00	-58.65	-25.00	H
11243.07	-62.15	2.60	10.50	-54.25	-25.00	H
14813.67	-59.15	2.50	11.20	-50.45	-25.00	H
17943.17	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2979.60	-64.65	1.00	10.70	-54.95	-25.00	H
4927.60	-75.45	1.30	12.50	-64.25	-25.00	H
7132.00	-69.75	1.90	12.00	-59.65	-25.00	H
11243.80	-62.15	2.60	10.50	-54.25	-25.00	H
14739.97	-59.15	2.50	11.20	-50.45	-25.00	H
17942.80	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 37775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2983.60	-64.75	1.00	10.70	-55.05	-25.00	H
5188.40	-75.15	1.60	12.50	-64.25	-25.00	V
7788.33	-69.25	1.80	11.30	-59.75	-25.00	H
11474.07	-61.45	2.60	10.50	-53.55	-25.00	V
15003.60	-59.85	2.40	12.40	-49.85	-25.00	H
17984.97	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4987.20	-74.85	1.30	12.50	-63.65	-25.00	H
7285.63	-68.75	1.90	12.00	-58.65	-25.00	H
11343.53	-61.65	2.50	10.50	-53.65	-25.00	V
14852.53	-58.95	2.70	11.20	-50.45	-25.00	H
17999.27	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2962.40	-64.55	1.00	10.70	-54.85	-25.00	H
4942.40	-75.45	1.30	12.50	-64.25	-25.00	H
7238.70	-69.45	1.80	12.00	-59.25	-25.00	H
11208.23	-62.25	2.50	10.50	-54.25	-25.00	H
14770.03	-59.15	2.50	11.20	-50.45	-25.00	H
17984.97	-55.65	3.20	12.80	-46.05	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 41, 5MHz, QPSK, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4927.60	-75.45	1.30	12.50	-64.25	-25.00	H
7255.20	-68.75	1.90	12.00	-58.65	-25.00	H
11078.80	-62.45	2.30	10.50	-54.25	-25.00	H
15005.43	-59.85	2.40	12.40	-49.85	-25.00	H
17941.70	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4785.20	-75.55	1.30	12.50	-64.35	-25.00	H
7284.90	-68.75	1.90	12.00	-58.65	-25.00	H
11041.40	-62.35	2.30	10.50	-54.15	-25.00	H
14852.53	-58.85	2.70	11.20	-50.35	-25.00	H
17942.07	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
5374.80	-73.05	1.20	12.50	-61.75	-25.00	H
7629.93	-69.35	1.80	11.30	-59.85	-25.00	H
10994.47	-63.15	2.40	10.80	-54.75	-25.00	H
14740.70	-59.05	2.50	11.20	-50.35	-25.00	H
17994.50	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
5015.20	-75.35	1.30	12.50	-64.15	-25.00	H
7285.63	-68.75	1.90	12.00	-58.65	-25.00	H
11011.33	-63.05	2.30	10.50	-54.85	-25.00	H
14766.00	-59.15	2.50	11.20	-50.45	-25.00	H
17942.80	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
5692.00	-75.45	1.30	13.10	-63.65	-25.00	H
7375.47	-69.55	1.70	12.00	-59.25	-25.00	H
11140.77	-62.65	2.50	10.50	-54.65	-25.00	H
15002.13	-59.85	2.40	12.40	-49.85	-25.00	H
17943.53	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
5374.00	-72.35	1.30	12.50	-61.15	-25.00	H
7374.37	-69.55	1.70	12.00	-59.25	-25.00	H
11206.77	-62.15	2.50	10.50	-54.15	-25.00	H
14563.60	-60.35	2.60	11.20	-51.75	-25.00	H
17942.43	-55.55	3.20	12.80	-45.95	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 66, 1.4MHz QPSK, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3420.38	-60.87	1.20	11.50	-50.57	-13.00	H
5131.13	-55.22	1.30	12.50	-44.02	-13.00	V
9221.90	-60.55	2.10	11.60	-51.05	-13.00	H
15940.95	-56.95	2.60	15.60	-43.95	-13.00	H
16933.81	-54.17	2.90	16.50	-40.57	-13.00	H
17984.29	-47.53	3.20	12.80	-37.93	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3489.00	-66.68	1.10	11.50	-56.28	-13.00	H
5233.13	-59.73	1.80	12.50	-49.03	-13.00	V
9220.48	-60.89	2.10	11.60	-51.39	-13.00	H
15950.00	-56.75	2.60	15.60	-43.75	-13.00	H
16872.86	-56.44	2.90	16.50	-42.84	-13.00	H
17980.00	-47.25	3.20	12.80	-37.65	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3557.63	-61.09	1.20	12.20	-50.09	-13.00	H
5337.00	-56.83	1.30	12.50	-45.63	-13.00	H
7115.24	-61.12	1.90	12.00	-51.02	-13.00	H
16482.38	-57.51	2.70	17.40	-42.81	-13.00	H
17183.33	-53.35	2.90	14.50	-41.75	-13.00	H
17980.95	-47.30	3.20	12.80	-37.70	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3420.38	-67.93	1.20	11.50	-57.63	-13.00	H
5131.13	-61.07	1.30	12.50	-49.87	-13.00	H
11025.24	-58.53	2.30	10.50	-50.33	-13.00	H
15942.86	-57.05	2.60	15.60	-44.05	-13.00	H
16959.05	-54.49	2.90	16.50	-40.89	-13.00	H
17988.57	-47.08	3.20	12.80	-37.48	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3489.00	-63.66	1.10	11.50	-53.26	-13.00	H
5233.50	-62.14	1.80	12.50	-51.44	-13.00	H
11024.29	-58.94	2.30	10.50	-50.74	-13.00	H
15949.05	-56.79	2.60	15.60	-43.79	-13.00	H
16933.81	-54.50	2.90	16.50	-40.90	-13.00	H
17506.19	-49.33	2.90	12.80	-39.43	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3557.63	-62.93	1.20	12.20	-51.93	-13.00	H
5336.63	-59.59	1.30	12.50	-48.39	-13.00	V
9225.24	-60.40	2.10	11.60	-50.90	-13.00	H
11025.24	-58.55	2.30	10.50	-50.35	-13.00	H
16473.81	-57.50	2.70	17.40	-42.80	-13.00	H
17939.05	-47.41	3.20	12.80	-37.81	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
4898.80	-75.05	1.40	12.50	-63.95	-25.00	H
7622.40	-68.55	1.80	11.30	-59.05	-25.00	H
11206.40	-62.85	2.50	10.50	-54.85	-25.00	H
15005.80	-59.85	2.40	12.40	-49.85	-25.00	H
17941.33	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
4645.60	-75.95	1.30	12.50	-64.75	-25.00	H
7405.90	-69.35	1.90	12.00	-59.25	-25.00	H
11329.23	-62.15	2.60	10.50	-54.25	-25.00	H
15072.17	-60.45	2.40	12.40	-50.45	-25.00	H
17998.53	-54.45	3.20	12.80	-44.85	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2963.60	-64.55	1.00	10.70	-54.85	-25.00	H
4654.40	-75.25	1.30	12.50	-64.05	-25.00	H
7406.63	-69.25	1.90	12.00	-59.15	-25.00	H
11438.87	-62.15	2.50	10.50	-54.15	-25.00	H
15072.17	-60.45	2.40	12.40	-50.45	-25.00	H
17942.80	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
4645.60	-76.05	1.30	12.50	-64.85	-25.00	H
7284.53	-68.45	1.90	12.00	-58.35	-25.00	H
11133.07	-62.85	2.50	10.50	-54.85	-25.00	H
15005.43	-59.85	2.40	12.40	-49.85	-25.00	H
17989.37	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4645.60	-75.95	1.30	12.50	-64.75	-25.00	H
7032.27	-70.05	1.80	12.00	-59.85	-25.00	H
11416.87	-62.25	2.50	10.50	-54.25	-25.00	H
15004.33	-59.75	2.40	12.40	-49.75	-25.00	H
17987.53	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2966.00	-64.45	1.00	10.70	-54.75	-25.00	H
4654.80	-75.25	1.30	12.50	-64.05	-25.00	H
7216.70	-69.95	1.80	12.00	-59.75	-25.00	H
11317.50	-62.15	2.60	10.50	-54.25	-25.00	H
15005.80	-59.85	2.40	12.40	-49.85	-25.00	H
17987.53	-55.05	3.20	12.80	-45.45	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_38C, 20MHz+20MHz, QPSK, CH37850+CH38048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
4986.80	-74.85	1.30	12.50	-63.65	-25.00	H
7283.80	-68.65	1.90	12.00	-58.55	-25.00	H
9327.20	-67.65	2.00	11.60	-58.05	-25.00	H
15004.70	-59.75	2.40	12.40	-49.75	-25.00	H
17862.50	-56.55	3.60	12.80	-47.35	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, QPSK, CH37901+CH38099

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2963.20	-64.45	1.00	10.70	-54.75	-25.00	H
4306.00	-76.25	1.20	12.40	-65.05	-25.00	H
7241.27	-69.45	1.80	12.00	-59.25	-25.00	H
11244.53	-61.55	2.60	10.50	-53.65	-25.00	V
15082.80	-60.45	2.40	12.40	-50.45	-25.00	H
17998.17	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, QPSK, CH37952+CH38150

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2983.60	-64.85	1.00	10.70	-55.15	-25.00	H
4346.40	-77.15	1.30	12.40	-66.05	-25.00	H
7152.90	-69.65	1.90	12.00	-59.55	-25.00	H
11206.40	-62.25	2.50	10.50	-54.25	-25.00	V
15004.33	-59.65	2.40	12.40	-49.65	-25.00	H
17943.17	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, CH37850+CH38048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4306.00	-76.25	1.20	12.40	-65.05	-25.00	H
7417.27	-69.45	1.90	12.00	-59.35	-25.00	H
11413.57	-61.55	2.50	10.50	-53.55	-25.00	V
15003.60	-59.85	2.40	12.40	-49.85	-25.00	H
17995.23	-54.95	3.20	12.80	-45.35	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, CH37901+CH38099

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2966.00	-64.45	1.00	10.70	-54.75	-25.00	H
5311.60	-75.55	1.60	12.50	-64.65	-25.00	H
7284.90	-68.75	1.90	12.00	-58.65	-25.00	H
11374.33	-61.65	2.50	10.50	-53.65	-25.00	V
15004.33	-59.75	2.40	12.40	-49.75	-25.00	H
17941.70	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, CH37952+CH38150

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
4092.00	-75.35	1.30	12.40	-64.25	-25.00	V
7409.20	-69.35	1.90	12.00	-59.25	-25.00	H
11239.77	-62.05	2.60	10.50	-54.15	-25.00	V
15005.07	-59.75	2.40	12.40	-49.75	-25.00	H
17995.23	-55.05	3.20	12.80	-45.45	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4994.00	-66.75	1.30	12.50	-55.55	-25.00	H
7446.00	-67.85	1.90	12.00	-57.75	-25.00	H
11272.40	-61.95	2.60	10.50	-54.05	-25.00	V
15006.53	-59.75	2.40	12.40	-49.75	-25.00	H
17941.70	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
5148.40	-70.15	1.30	12.50	-58.95	-25.00	H
7721.97	-67.05	1.80	11.30	-57.55	-25.00	V
9438.40	-66.45	2.10	11.60	-56.95	-25.00	V
14771.50	-59.05	2.50	11.20	-50.35	-25.00	H
17867.63	-55.75	3.60	12.80	-46.55	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2962.40	-64.55	1.00	10.70	-54.85	-25.00	H
5302.80	-69.45	1.60	12.50	-58.55	-25.00	V
7444.80	-69.35	1.90	12.00	-59.25	-25.00	V
11557.30	-61.95	2.60	11.00	-53.55	-25.00	V
15005.43	-59.85	2.40	12.40	-49.85	-25.00	H
17941.70	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2933.60	-64.65	1.00	10.70	-54.95	-25.00	H
4994.40	-66.65	1.30	12.50	-55.45	-25.00	H
7490.97	-66.75	1.90	12.00	-56.65	-25.00	V
11438.87	-61.45	2.50	10.50	-53.45	-25.00	V
15005.80	-59.85	2.40	12.40	-49.85	-25.00	H
17867.27	-55.75	3.60	12.80	-46.55	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2942.40	-65.15	1.00	10.70	-55.45	-25.00	H
5148.80	-70.85	1.30	12.50	-59.65	-25.00	H
7409.20	-69.15	1.90	12.00	-59.05	-25.00	H
11359.67	-61.55	2.50	10.50	-53.55	-25.00	V
14864.63	-58.85	2.70	11.20	-50.35	-25.00	H
17940.97	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
5302.40	-71.95	1.60	12.50	-61.05	-25.00	H
7166.80	-68.75	1.90	12.00	-58.65	-25.00	V
11373.60	-61.65	2.50	10.50	-53.65	-25.00	V
14852.53	-58.95	2.70	11.20	-50.45	-25.00	H
17941.70	-55.65	3.20	12.80	-46.05	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

Lower antenna

LTE Band 2, 1.4MHz, QPSK, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7175.24	-53.50	1.80	12.00	-43.30	-13.00	V
9294.29	-50.24	2.00	11.60	-40.64	-13.00	H
11021.90	-48.90	2.30	10.50	-40.70	-13.00	H
14805.71	-45.31	2.50	11.20	-36.61	-13.00	H
15940.00	-46.42	2.60	15.60	-33.42	-13.00	H
17129.52	-42.40	2.90	14.50	-30.80	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7319.05	-52.36	1.70	12.00	-42.06	-13.00	H
9302.38	-50.86	2.00	11.60	-41.26	-13.00	H
11026.67	-48.16	2.30	10.50	-39.96	-13.00	H
14734.29	-45.16	2.50	11.20	-36.46	-13.00	H
16051.43	-48.12	2.60	17.40	-33.32	-13.00	H
16991.43	-44.46	2.90	16.50	-30.86	-13.00	H

LTE Band 2, 1.4MHz, QPSK, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
7228.10	-52.83	1.80	12.00	-42.63	-13.00	V
9301.90	-49.59	2.00	11.60	-39.99	-13.00	H
11040.00	-48.46	2.30	10.50	-40.26	-13.00	H
14756.67	-45.11	2.50	11.20	-36.41	-13.00	H
16462.86	-47.46	2.70	17.40	-32.76	-13.00	H
17461.43	-40.21	2.90	14.50	-28.61	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18607

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9221.90	-50.45	2.10	11.60	-40.95	-13.00	H
11026.19	-48.39	2.30	10.50	-40.19	-13.00	H
13499.05	-48.79	2.50	13.30	-37.99	-13.00	H
15989.52	-46.66	2.60	15.60	-33.66	-13.00	H
16949.05	-44.53	2.90	16.50	-30.93	-13.00	H
17932.86	-37.18	3.20	12.80	-27.58	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 18900

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9425.71	-51.34	2.10	11.60	-41.84	-13.00	H
11028.10	-48.56	2.30	10.50	-40.36	-13.00	H
13091.90	-49.51	2.30	13.30	-38.51	-13.00	H
16481.90	-47.07	2.70	17.40	-32.37	-13.00	H
16953.81	-44.25	2.90	16.50	-30.65	-13.00	H
17983.81	-37.14	3.20	12.80	-27.54	-13.00	H

LTE Band 2, 1.4MHz, 16QAM, Channel 19193

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9303.81	-50.11	2.00	11.60	-40.51	-13.00	H
11026.67	-47.65	2.30	10.50	-39.45	-13.00	H
13741.43	-47.50	2.50	12.40	-37.60	-13.00	H
16487.62	-46.57	2.70	17.40	-31.87	-13.00	H
17439.05	-41.49	2.90	14.50	-29.89	-13.00	H
17935.24	-36.94	3.20	12.80	-27.34	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 4, 1.4MHz QPSK, Channel 19957

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9284.29	-62.30	2.10	11.60	-52.80	-13.00	H
11907.62	-58.91	2.50	11.00	-50.41	-13.00	H
13227.14	-59.65	2.40	13.30	-48.75	-13.00	H
15940.48	-57.17	2.60	15.60	-44.17	-13.00	H
16493.81	-57.96	2.70	17.40	-43.26	-13.00	H
17981.90	-47.43	3.20	12.80	-37.83	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20175

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9298.57	-60.51	2.00	11.60	-50.91	-13.00	H
11025.24	-58.59	2.30	10.50	-50.39	-13.00	H
14223.33	-57.49	2.50	11.90	-48.09	-13.00	H
15517.62	-58.90	2.40	15.60	-45.70	-13.00	H
16472.86	-57.32	2.70	17.40	-42.62	-13.00	H
17982.86	-47.40	3.20	12.80	-37.80	-13.00	H

LTE Band 4, 1.4MHz, QPSK, Channel 20393

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9221.90	-60.91	2.10	11.60	-51.41	-13.00	H
11025.24	-58.57	2.30	10.50	-50.37	-13.00	H
13147.14	-59.52	2.30	13.30	-48.52	-13.00	H
15994.76	-56.45	2.60	15.60	-43.45	-13.00	H
16940.48	-53.80	2.90	16.50	-40.20	-13.00	H
17988.57	-46.90	3.20	12.80	-37.30	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 19957

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9224.29	-59.80	2.10	11.60	-50.30	-13.00	H
11027.14	-58.66	2.30	10.50	-50.46	-13.00	H
13019.52	-59.35	2.50	13.30	-48.55	-13.00	H
15940.00	-56.75	2.60	15.60	-43.75	-13.00	H
16934.76	-54.39	2.90	16.50	-40.79	-13.00	H
17981.43	-46.82	3.20	12.80	-37.22	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 20175

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9296.67	-61.01	2.00	11.60	-51.41	-13.00	H
12413.81	-59.50	2.60	12.60	-49.50	-13.00	H
14080.95	-57.45	2.50	11.90	-48.05	-13.00	H
15522.86	-58.41	2.40	15.60	-45.21	-13.00	H
16935.71	-54.10	2.90	16.50	-40.50	-13.00	H
17980.00	-46.97	3.20	12.80	-37.37	-13.00	H

LTE Band 4, 1.4MHz, 16QAM, Channel 20393

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
9299.05	-59.98	2.00	11.60	-50.38	-13.00	H
11025.71	-58.63	2.30	10.50	-50.43	-13.00	H
13068.57	-59.26	2.30	13.30	-48.26	-13.00	H
15950.95	-56.32	2.60	15.60	-43.32	-13.00	H
16938.57	-54.35	2.90	16.50	-40.75	-13.00	H
17980.00	-46.93	3.20	12.80	-37.33	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 5, 1.4MHz, QPSK, Channel 20407

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.50	-45.59	0.80	8.10	-40.44	-13.00	H
2509.50	-56.13	0.90	10.70	-48.48	-13.00	H
5637.38	-56.90	1.30	13.10	-47.25	-13.00	V
7738.60	-52.64	1.80	11.30	-45.29	-13.00	V
9299.53	-50.36	2.00	11.60	-42.91	-13.00	H
9783.26	-51.25	2.30	11.20	-44.50	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1672.00	-46.34	0.80	8.10	-41.19	-13.00	H
3721.88	-59.98	1.10	12.20	-51.03	-13.00	V
6504.19	-54.11	1.70	12.40	-45.56	-13.00	H
7176.28	-52.27	1.80	12.00	-44.22	-13.00	V
9102.33	-51.00	2.20	11.60	-43.75	-13.00	H
9737.21	-50.79	2.20	11.20	-43.94	-13.00	H

LTE Band 5, 1.4MHz, QPSK, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.50	-47.04	0.80	8.10	-41.89	-13.00	H
2504.00	-56.77	0.90	10.70	-49.12	-13.00	V
4448.25	-60.13	1.30	12.40	-51.18	-13.00	H
7208.37	-52.75	1.80	12.00	-44.70	-13.00	H
8467.44	-51.42	1.80	11.30	-44.07	-13.00	H
9294.42	-49.62	2.00	11.60	-42.17	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20407

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.00	-45.19	0.80	8.10	-40.04	-13.00	H
2720.00	-53.96	1.00	10.70	-46.41	-13.00	H
5167.13	-56.90	1.60	12.50	-48.15	-13.00	V
6531.16	-54.76	1.70	12.40	-46.21	-13.00	H
8571.63	-52.42	2.10	12.00	-44.67	-13.00	H
9299.53	-50.44	2.00	11.60	-42.99	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20525

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1672.00	-46.73	0.80	8.10	-41.58	-13.00	H
5362.13	-56.96	1.30	12.50	-47.91	-13.00	H
6417.21	-55.20	1.60	13.10	-45.85	-13.00	V
7257.21	-53.37	1.90	12.00	-45.42	-13.00	V
8434.88	-51.40	1.80	11.30	-44.05	-13.00	H
9299.53	-49.43	2.00	11.60	-41.98	-13.00	H

LTE Band 5, 1.4MHz, 16QAM, Channel 20643

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.00	-49.27	0.80	8.10	-44.12	-13.00	H
2805.00	-53.33	1.00	10.70	-45.78	-13.00	H
3486.75	-59.76	1.10	11.50	-51.51	-13.00	V
5641.50	-57.17	1.30	13.10	-47.52	-13.00	H
7080.47	-53.44	1.80	12.00	-45.39	-13.00	V
9299.07	-50.50	2.00	11.60	-43.05	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 7, 5 MHz, QPSK, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2983.60	-64.65	1.00	10.70	-54.95	-25.00	H
5004.80	-73.55	1.30	12.50	-62.35	-25.00	H
7496.83	-69.35	1.90	12.00	-59.25	-25.00	H
9622.40	-65.55	2.10	11.20	-56.45	-25.00	H
14593.67	-60.35	2.60	11.20	-51.75	-25.00	H
17993.77	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2983.60	-64.75	1.00	10.70	-55.05	-25.00	H
4574.00	-75.05	1.30	12.50	-63.85	-25.00	H
7281.97	-68.75	1.90	12.00	-58.65	-25.00	H
11209.70	-62.25	2.50	10.50	-54.25	-25.00	H
14809.63	-59.05	2.50	11.20	-50.35	-25.00	H
17863.97	-55.85	3.60	12.80	-46.65	-25.00	H

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
4686.40	-75.85	1.30	12.50	-64.65	-25.00	H
7285.63	-68.75	1.90	12.00	-58.65	-25.00	H
11210.80	-62.15	2.50	10.50	-54.15	-25.00	H
14727.50	-59.15	2.50	11.20	-50.45	-25.00	H
17995.23	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 20775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2965.00	-62.95	1.00	10.70	-53.25	-25.00	H
4898.80	-75.35	1.40	12.50	-64.25	-25.00	H
7455.40	-69.25	1.90	12.00	-59.15	-25.00	H
11240.50	-62.15	2.60	10.50	-54.25	-25.00	H
14766.00	-59.15	2.50	11.20	-50.45	-25.00	H
17945.73	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21100

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2961.20	-64.55	1.00	10.70	-54.85	-25.00	H
4024.40	-77.05	1.20	12.40	-65.85	-25.00	H
6176.80	-74.35	1.60	13.10	-62.85	-25.00	H
11308.70	-62.15	2.60	10.50	-54.25	-25.00	H
15004.70	-59.75	2.40	12.40	-49.75	-25.00	H
17944.27	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 7, 5 MHz, 16QAM, Channel 21425

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
4884.40	-75.25	1.40	12.50	-64.15	-25.00	H
7766.70	-69.25	1.80	11.30	-59.75	-25.00	H
9686.40	-65.75	2.20	11.20	-56.75	-25.00	H
14765.63	-59.15	2.50	11.20	-50.45	-25.00	H
17946.10	-55.55	3.20	12.80	-45.95	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 12, 1.4MHz, QPSK, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1398.80	-65.05	0.70	6.00	-61.90	-13.00	H
1854.00	-67.15	0.80	8.10	-62.00	-13.00	H
2992.40	-65.15	1.00	10.70	-57.60	-13.00	H
3986.80	-78.15	1.20	12.20	-69.30	-13.00	H
4785.60	-75.45	1.30	12.50	-66.40	-13.00	H
6953.80	-69.95	1.80	12.40	-61.50	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1415.20	-63.95	0.70	6.00	-60.80	-13.00	H
2445.00	-66.15	0.90	9.80	-59.40	-13.00	H
2957.60	-64.85	1.00	10.70	-57.30	-13.00	H
4188.00	-77.55	1.20	12.40	-68.50	-13.00	H
5074.40	-75.65	1.20	12.50	-66.50	-13.00	H
6904.20	-70.05	1.80	12.40	-61.60	-13.00	H

LTE Band 12, 1.4MHz, QPSK, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1430.80	-58.35	0.70	6.00	-55.20	-13.00	H
1786.80	-68.55	0.80	8.10	-63.40	-13.00	H
2435.20	-62.65	0.90	9.80	-55.90	-13.00	H
3790.20	-77.45	1.10	12.20	-68.50	-13.00	H
5241.60	-74.95	1.80	12.50	-66.40	-13.00	H
7001.40	-69.15	1.80	12.00	-61.10	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23017

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1399.20	-64.25	0.70	6.00	-61.10	-13.00	H
1986.80	-65.45	0.80	8.10	-60.30	-13.00	H
2957.60	-64.95	1.00	10.70	-57.40	-13.00	H
3653.80	-77.45	1.20	12.20	-68.60	-13.00	H
4790.20	-74.55	1.30	12.50	-65.50	-13.00	H
6986.00	-70.25	1.80	12.40	-61.80	-13.00	H

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1414.00	-64.95	0.70	6.00	-61.80	-13.00	H
2519.20	-64.35	0.90	10.70	-56.70	-13.00	H
2966.00	-64.95	1.00	10.70	-57.40	-13.00	H
3986.80	-77.05	1.20	12.20	-68.20	-13.00	H
5340.60	-76.05	1.30	12.50	-67.00	-13.00	H
6788.00	-72.15	1.60	12.40	-63.50	-13.00	H

LTE Band 12, 1.4MHz, 16QAM, Channel 23173

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1430.00	-58.85	0.70	6.00	-55.70	-13.00	H
2340.60	-65.95	0.90	9.80	-59.20	-13.00	H
2983.60	-64.85	1.00	10.70	-57.30	-13.00	H
4288.00	-77.55	1.20	12.40	-68.50	-13.00	H
5488.40	-75.05	1.40	12.50	-66.10	-13.00	H
6986.80	-71.35	1.80	12.40	-62.90	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 17, 5MHz, QPSK, Channel 23755

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1412.00	-66.05	0.70	6.00	-62.90	-13.00	H
2147.20	-67.35	0.90	9.80	-60.60	-13.00	H
2948.80	-65.05	1.00	10.70	-57.50	-13.00	H
3803.40	-76.85	1.20	12.20	-68.00	-13.00	H
4984.60	-75.35	1.30	12.50	-66.30	-13.00	H
7000.60	-69.65	1.80	12.00	-61.60	-13.00	H

LTE Band 17, 5MHz, QPSK, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1420.40	-65.15	0.70	6.00	-62.00	-13.00	H
2948.80	-65.05	1.00	10.70	-57.50	-13.00	H
3586.80	-77.25	1.10	12.20	-68.30	-13.00	H
4457.60	-76.15	1.20	12.40	-67.10	-13.00	H
5284.80	-74.75	1.60	12.50	-66.00	-13.00	H
6801.20	-71.75	1.60	12.40	-63.10	-13.00	H

LTE Band 17, 5MHz, QPSK, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1426.40	-64.15	0.70	6.00	-61.00	-13.00	H
2008.80	-67.95	0.80	9.80	-61.10	-13.00	H
2948.80	-64.95	1.00	10.70	-57.40	-13.00	H
4284.60	-76.35	1.20	12.40	-67.30	-13.00	H
5788.00	-74.85	1.50	13.10	-65.40	-13.00	H
6992.60	-70.45	1.80	12.40	-62.00	-13.00	H

LTE Band 17, 5MHz, 16QAM, Channel 23755

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1424.40	-67.05	0.70	6.00	-63.90	-13.00	H
2145.00	-67.15	0.90	9.80	-60.40	-13.00	H
2957.60	-64.95	1.00	10.70	-57.40	-13.00	H
3590.20	-77.55	1.10	12.20	-68.60	-13.00	H
4283.80	-77.15	1.20	12.40	-68.10	-13.00	H
5929.20	-74.45	1.50	13.10	-65.00	-13.00	H

LTE Band 17, 5MHz 16QAM, Channel 23790

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1420.00	-65.15	0.70	6.00	-62.00	-13.00	H
1990.00	-66.15	0.80	8.10	-61.00	-13.00	H
2992.80	-65.15	1.00	10.70	-57.60	-13.00	H
3945.00	-77.05	1.30	12.20	-68.30	-13.00	H
5410.00	-76.05	1.20	12.50	-66.90	-13.00	H
6990.20	-70.95	1.80	12.40	-62.50	-13.00	H

LTE Band 17, 5MHz, 16QAM, Channel 23825

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1425.60	-64.55	0.70	6.00	-61.40	-13.00	H
1986.80	-66.25	0.80	8.10	-61.10	-13.00	H
2386.80	-66.05	0.90	9.80	-59.30	-13.00	H
2957.60	-64.85	1.00	10.70	-57.30	-13.00	H
5067.80	-75.35	1.20	12.50	-66.20	-13.00	H
6505.80	-72.55	1.70	12.40	-64.00	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1645.50	-43.21	0.80	8.10	-38.06	-13.00	H
2468.50	-54.50	0.90	9.80	-47.75	-13.00	H
6593.95	-54.71	1.70	12.40	-46.16	-13.00	V
7209.30	-52.51	1.80	12.00	-44.46	-13.00	V
8426.05	-52.12	1.80	11.30	-44.77	-13.00	H
9296.28	-50.46	2.00	11.60	-43.01	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1637.00	-43.35	0.80	8.10	-38.20	-13.00	H
2571.50	-53.62	1.00	10.70	-46.07	-13.00	H
6534.88	-54.94	1.70	12.40	-46.39	-13.00	H
7475.81	-53.57	1.90	12.00	-45.62	-13.00	H
8438.60	-51.58	1.80	11.30	-44.23	-13.00	H
9222.79	-49.59	2.10	11.60	-42.24	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, QPSK, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1628.00	-44.71	0.80	8.10	-39.56	-13.00	H
2395.00	-54.57	0.90	9.80	-47.82	-13.00	V
6486.05	-55.84	1.60	13.10	-46.49	-13.00	V
7336.28	-53.27	1.70	12.00	-45.12	-13.00	V
8462.79	-52.04	1.80	11.30	-44.69	-13.00	V
9475.35	-50.50	2.10	11.60	-43.15	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26783

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1646.50	-45.50	0.80	8.10	-40.35	-13.00	H
2332.00	-54.55	0.90	9.80	-47.80	-13.00	H
6508.37	-54.75	1.70	12.40	-46.20	-13.00	H
7215.35	-53.34	1.80	12.00	-45.29	-13.00	V
8466.51	-51.72	1.80	11.30	-44.37	-13.00	H
9301.86	-50.52	2.00	11.60	-43.07	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26740

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1637.00	-44.66	0.80	8.10	-39.51	-13.00	H
2461.00	-54.40	0.90	9.80	-47.65	-13.00	V
6622.33	-53.90	1.70	12.40	-45.35	-13.00	H
7277.21	-52.49	1.90	12.00	-44.54	-13.00	H
8446.05	-50.76	1.80	11.30	-43.41	-13.00	H
9301.40	-49.83	2.00	11.60	-42.38	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 16QAM, Channel 26697

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit (dBm)	Polarization
1629.50	-45.85	0.80	8.10	-40.70	-13.00	H
2410.50	-54.59	0.90	9.80	-47.84	-13.00	V
6516.28	-54.02	1.70	12.40	-45.47	-13.00	H
7321.86	-52.85	1.70	12.00	-44.70	-13.00	H
8477.67	-51.28	1.80	11.30	-43.93	-13.00	H
9295.35	-50.15	2.00	11.60	-42.70	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 4.92\text{dB}(30\text{MHz}-3\text{GHz})/4.88\text{dB}(3\text{GHz}-18\text{GHz})/5.66\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.50	-46.34	0.80	8.10	-41.19	-13.00	H
2557.00	-54.70	1.00	10.70	-47.15	-13.00	H
6505.58	-54.84	1.70	12.40	-46.29	-13.00	H
7321.86	-52.30	1.70	12.00	-44.15	-13.00	H
8375.81	-52.15	1.80	11.30	-44.80	-13.00	H
9223.72	-49.71	2.10	11.60	-42.36	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1672.00	-45.63	0.80	8.10	-40.48	-13.00	H
2530.50	-55.01	0.90	10.70	-47.36	-13.00	H
6478.60	-55.60	1.60	13.10	-46.25	-13.00	V
7244.65	-53.21	1.90	12.00	-45.26	-13.00	H
8468.84	-51.82	1.80	11.30	-44.47	-13.00	V
9305.12	-51.01	2.00	11.60	-43.56	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, QPSK, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.50	-41.90	0.80	8.10	-36.75	-13.00	H
2473.00	-52.12	0.90	9.80	-45.37	-13.00	H
6620.47	-54.43	1.70	12.40	-45.88	-13.00	V
7209.77	-52.27	1.80	12.00	-44.22	-13.00	V
8394.42	-52.22	1.80	11.30	-44.87	-13.00	V
9223.26	-50.80	2.10	11.60	-43.45	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 27033

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1695.50	-44.58	0.80	8.10	-39.43	-13.00	H
2514.00	-55.55	0.90	10.70	-47.90	-13.00	H
6575.35	-53.96	1.70	12.40	-45.41	-13.00	H
7207.91	-52.36	1.80	12.00	-44.31	-13.00	H
8462.33	-52.03	1.80	11.30	-44.68	-13.00	H
9300.93	-50.43	2.00	11.60	-42.98	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26915

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.00	-45.07	0.80	8.10	-39.92	-13.00	H
2477.00	-53.87	0.90	9.80	-47.12	-13.00	H
6562.79	-54.17	1.70	12.40	-45.62	-13.00	V
7316.28	-52.93	1.70	12.00	-44.78	-13.00	H
8457.67	-52.33	1.80	11.30	-44.98	-13.00	H
9300.93	-49.95	2.00	11.60	-42.50	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 16QAM, Channel 26797

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1648.00	-45.07	0.80	8.10	-39.92	-13.00	H
2477.00	-53.87	0.90	9.80	-47.12	-13.00	H
6562.79	-54.17	1.70	12.40	-45.62	-13.00	V
7316.28	-52.93	1.70	12.00	-44.78	-13.00	H
8457.67	-52.33	1.80	11.30	-44.98	-13.00	H
9300.93	-49.95	2.00	11.60	-42.50	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 38, 5MHz, QPSK, Channel 37775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
5030.00	-75.35	1.30	12.50	-64.15	-25.00	H
7258.40	-68.05	1.90	12.00	-57.95	-25.00	H
11048.37	-62.35	2.30	10.50	-54.15	-25.00	H
14587.80	-60.05	2.60	11.20	-51.45	-25.00	H
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.25	1.00	10.70	-54.55	-25.00	H
5188.80	-72.45	1.60	12.50	-61.55	-25.00	H
9345.60	-67.45	2.00	11.60	-57.85	-25.00	H
11140.77	-62.75	2.50	10.50	-54.75	-25.00	H
15005.80	-59.85	2.40	12.40	-49.85	-25.00	H
17995.97	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 38, 5MHz, QPSK, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2960.80	-64.55	1.00	10.70	-54.85	-25.00	H
5234.40	-72.35	1.80	12.50	-61.65	-25.00	H
7282.33	-68.65	1.90	12.00	-58.55	-25.00	H
11199.43	-62.25	2.50	10.50	-54.25	-25.00	H
14727.50	-59.05	2.50	11.20	-50.35	-25.00	H
17945.73	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 37775

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2264.40	-66.85	0.90	9.80	-57.95	-25.00	H
2974.80	-64.25	1.00	10.70	-54.55	-25.00	H
7258.87	-69.15	1.90	12.00	-59.05	-25.00	H
11192.83	-62.25	2.50	10.50	-54.25	-25.00	H
14766.37	-59.05	2.50	11.20	-50.35	-25.00	H
17942.80	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 38000

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
5188.80	-72.45	1.60	12.50	-61.55	-25.00	H
7635.43	-68.75	1.80	11.30	-59.25	-25.00	H
11243.43	-62.15	2.60	10.50	-54.25	-25.00	H
14766.00	-59.15	2.50	11.20	-50.45	-25.00	H
17863.97	-55.85	3.60	12.80	-46.65	-25.00	H

LTE Band 38, 5MHz, 16QAM, Channel 38225

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.25	1.00	10.70	-54.55	-25.00	H
5234.00	-72.35	1.80	12.50	-61.65	-25.00	H
7284.17	-68.75	1.90	12.00	-58.65	-25.00	H
11010.97	-63.05	2.30	10.50	-54.85	-25.00	H
15003.60	-59.85	2.40	12.40	-49.85	-25.00	H
17943.53	-55.65	3.20	12.80	-46.05	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 41, 5MHz, QPSK, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2951.60	-65.15	1.00	10.70	-55.45	-25.00	H
4724.40	-75.95	1.30	12.50	-64.75	-25.00	H
7285.63	-68.65	1.90	12.00	-58.55	-25.00	H
11210.80	-62.15	2.50	10.50	-54.15	-25.00	H
14810.73	-59.15	2.50	11.20	-50.45	-25.00	H
17942.80	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2952.00	-65.25	1.00	10.70	-55.55	-25.00	H
4982.80	-74.85	1.30	12.50	-63.65	-25.00	H
7216.33	-70.05	1.80	12.00	-59.85	-25.00	H
11439.23	-62.25	2.50	10.50	-54.25	-25.00	H
14593.67	-60.35	2.60	11.20	-51.75	-25.00	H
17866.53	-55.85	3.60	12.80	-46.65	-25.00	H

LTE Band 41, 5MHz, QPSK, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2962.80	-64.45	1.00	10.70	-54.75	-25.00	H
4581.60	-76.15	1.30	12.50	-64.95	-25.00	H
7286.00	-68.75	1.90	12.00	-58.65	-25.00	H
11657.40	-62.95	2.60	11.00	-54.55	-25.00	H
15005.80	-59.85	2.40	12.40	-49.85	-25.00	H
17942.80	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40165

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2983.60	-64.85	1.00	10.70	-55.15	-25.00	H
4884.40	-75.15	1.40	12.50	-64.05	-25.00	H
7033.00	-70.05	1.80	12.00	-59.85	-25.00	H
11318.97	-62.15	2.60	10.50	-54.25	-25.00	H
15006.90	-59.65	2.40	12.40	-49.65	-25.00	H
17942.07	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 40690

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.25	1.00	10.70	-54.55	-25.00	H
4652.00	-76.75	1.30	12.50	-65.55	-25.00	H
7252.27	-68.75	1.90	12.00	-58.65	-25.00	H
11173.40	-62.85	2.50	10.50	-54.85	-25.00	H
15005.07	-59.85	2.40	12.40	-49.85	-25.00	H
17865.80	-55.85	3.60	12.80	-46.65	-25.00	H

LTE Band 41, 5MHz, 16QAM, Channel 41215

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.35	1.00	10.70	-54.65	-25.00	H
4987.20	-74.85	1.30	12.50	-63.65	-25.00	H
7287.10	-68.75	1.90	12.00	-58.65	-25.00	H
11075.50	-63.05	2.30	10.50	-54.85	-25.00	H
15004.33	-59.65	2.40	12.40	-49.65	-25.00	H
17942.80	-55.55	3.20	12.80	-45.95	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band 66, 1.4MHz QPSK, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3420.38	-61.77	1.20	11.50	-51.47	-13.00	H
5131.13	-64.72	1.30	12.50	-53.52	-13.00	V
6840.95	-63.34	1.80	12.40	-52.74	-13.00	H
9300.00	-59.98	2.00	11.60	-50.38	-13.00	H
15944.76	-56.64	2.60	15.60	-43.64	-13.00	H
17998.57	-47.16	3.20	12.80	-37.56	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3489.00	-62.75	1.10	11.50	-52.35	-13.00	H
6978.10	-62.55	1.80	12.40	-51.95	-13.00	H
9297.62	-60.46	2.00	11.60	-50.86	-13.00	H
15943.33	-56.36	2.60	15.60	-43.36	-13.00	H
16936.67	-54.96	2.90	16.50	-41.36	-13.00	H
17980.00	-47.18	3.20	12.80	-37.58	-13.00	H

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3557.63	-62.08	1.20	12.20	-51.08	-13.00	H
7115.24	-59.75	1.90	12.00	-49.65	-13.00	H
9223.81	-60.42	2.10	11.60	-50.92	-13.00	H
13658.57	-58.48	2.40	12.40	-48.48	-13.00	H
16478.10	-57.43	2.70	17.40	-42.73	-13.00	H
17953.33	-47.13	3.20	12.80	-37.53	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 131979

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3420.38	-64.62	1.20	11.50	-54.32	-13.00	H
5130.75	-63.23	1.30	12.50	-52.03	-13.00	V
9474.76	-60.71	2.10	11.60	-51.21	-13.00	V
15996.19	-57.19	2.60	15.60	-44.19	-13.00	H
16939.05	-54.53	2.90	16.50	-40.93	-13.00	H
17973.81	-47.32	3.20	12.80	-37.72	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132322

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3489.00	-63.63	1.10	11.50	-53.23	-13.00	H
5233.88	-66.34	1.80	12.50	-55.64	-13.00	V
9296.19	-60.95	2.00	11.60	-51.35	-13.00	H
13499.05	-59.30	2.50	13.30	-48.50	-13.00	H
15938.57	-56.59	2.60	15.60	-43.59	-13.00	H
17934.29	-47.33	3.20	12.80	-37.73	-13.00	H

LTE Band 66, 1.4MHz, 16QAM, Channel 132665

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3557.63	-63.02	1.20	12.20	-52.02	-13.00	H
5336.63	-65.78	1.30	12.50	-54.58	-13.00	V
7115.24	-61.02	1.90	12.00	-50.92	-13.00	H
9297.62	-60.85	2.00	11.60	-51.25	-13.00	H
15951.43	-56.75	2.60	15.60	-43.75	-13.00	H
17975.24	-46.97	3.20	12.80	-37.37	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2963.60	-64.55	1.00	10.70	-54.85	-25.00	H
4619.60	-76.05	1.30	12.50	-64.85	-25.00	H
7534.23	-68.55	1.90	11.30	-59.15	-25.00	H
11184.80	-62.55	2.50	10.50	-54.55	-25.00	H
15006.90	-59.75	2.40	12.40	-49.75	-25.00	H
17944.27	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2963.60	-64.55	1.00	10.70	-54.85	-25.00	H
4640.80	-75.55	1.30	12.50	-64.35	-25.00	H
7240.53	-69.25	1.80	12.00	-59.05	-25.00	H
11129.03	-62.85	2.50	10.50	-54.85	-25.00	H
15073.63	-60.35	2.40	12.40	-50.35	-25.00	H
17984.97	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, QPSK, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2963.20	-64.55	1.00	10.70	-54.85	-25.00	H
4605.20	-75.45	1.30	12.50	-64.25	-25.00	H
6653.20	-71.25	1.80	12.40	-60.65	-25.00	H
11438.87	-62.25	2.50	10.50	-54.25	-25.00	H
15003.97	-59.75	2.40	12.40	-49.75	-25.00	H
17995.23	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH20850+CH21048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2962.80	-64.55	1.00	10.70	-54.85	-25.00	H
4635.20	-76.05	1.30	12.50	-64.85	-25.00	H
7391.60	-69.35	1.90	12.00	-59.25	-25.00	H
11180.73	-62.85	2.50	10.50	-54.85	-25.00	H
15072.17	-60.45	2.40	12.40	-50.45	-25.00	H
17996.70	-54.45	3.20	12.80	-44.85	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21001+CH21199

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2966.00	-64.45	1.00	10.70	-54.75	-25.00	H
4646.40	-75.15	1.30	12.50	-63.95	-25.00	H
7409.20	-69.25	1.90	12.00	-59.15	-25.00	H
11253.70	-62.15	2.60	10.50	-54.25	-25.00	H
15003.60	-59.85	2.40	12.40	-49.85	-25.00	H
17943.53	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band CA_7C, 20MHz+20MHz, 16QAM, CH21152+CH21350

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2962.40	-64.55	1.00	10.70	-54.85	-25.00	H
4653.20	-74.95	1.30	12.50	-63.75	-25.00	H
7261.60	-68.15	1.90	12.00	-58.05	-25.00	H
11043.23	-62.85	2.30	10.50	-54.65	-25.00	H
15006.90	-59.85	2.40	12.40	-49.85	-25.00	H
17995.60	-55.05	3.20	12.80	-45.45	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_38C, 20MHz+20MHz, QPSK, CH37850+CH38048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
5059.60	-75.35	1.30	12.50	-64.15	-25.00	H
7346.00	-68.25	1.70	12.00	-57.95	-25.00	H
11247.10	-62.15	2.60	10.50	-54.25	-25.00	H
15004.70	-59.85	2.40	12.40	-49.85	-25.00	H
17984.23	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, QPSK, CH37901+CH38099

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4277.60	-75.45	1.20	12.40	-64.25	-25.00	H
7284.90	-68.65	1.90	12.00	-58.55	-25.00	H
11262.13	-62.85	2.60	10.50	-54.95	-25.00	H
15005.43	-59.85	2.40	12.40	-49.85	-25.00	H
17942.80	-55.55	3.20	12.80	-45.95	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, QPSK, CH37952+CH38150

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4172.40	-75.85	1.20	12.40	-64.65	-25.00	H
7284.53	-68.75	1.90	12.00	-58.65	-25.00	H
11140.77	-62.85	2.50	10.50	-54.85	-25.00	H
15005.43	-59.65	2.40	12.40	-49.65	-25.00	H
17869.47	-55.85	3.60	12.80	-46.65	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, CH37850+CH38048

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2962.80	-64.55	1.00	10.70	-54.85	-25.00	H
5104.40	-75.65	1.20	12.50	-64.35	-25.00	H
7672.80	-68.15	1.80	11.30	-58.65	-25.00	H
10692.33	-63.95	2.40	10.80	-55.55	-25.00	H
14852.53	-59.35	2.70	11.20	-50.85	-25.00	H
17942.80	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, CH37901+CH38099

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4847.60	-75.55	1.30	12.50	-64.35	-25.00	H
7079.60	-69.25	1.80	12.00	-59.05	-25.00	H
11419.80	-62.25	2.50	10.50	-54.25	-25.00	H
15006.17	-59.75	2.40	12.40	-49.75	-25.00	H
17943.53	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_38C, 20MHz+20MHz, 16QAM, CH37952+CH38150

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
2957.60	-64.95	1.00	10.70	-55.25	-25.00	H
5298.00	-74.15	1.60	12.50	-63.25	-25.00	H
7542.30	-68.75	1.80	11.30	-59.25	-25.00	H
11383.13	-62.25	2.50	10.50	-54.25	-25.00	H
15003.23	-59.85	2.40	12.40	-49.85	-25.00	H
17942.80	-55.65	3.20	12.80	-46.05	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
5008.00	-74.75	1.30	12.50	-63.55	-25.00	H
7283.80	-68.55	1.90	12.00	-58.45	-25.00	H
9311.60	-67.45	2.00	11.60	-57.85	-25.00	H
15083.90	-60.45	2.40	12.40	-50.45	-25.00	H
17998.17	-55.05	3.20	12.80	-45.45	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.35	1.00	10.70	-54.65	-25.00	H
4770.80	-75.45	1.30	12.50	-64.25	-25.00	H
9291.20	-68.05	2.00	11.60	-58.45	-25.00	H
11247.47	-62.15	2.60	10.50	-54.25	-25.00	H
15003.23	-59.75	2.40	12.40	-49.75	-25.00	H
17999.27	-54.95	3.20	12.80	-45.35	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, QPSK, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
4827.60	-75.25	1.30	12.50	-64.05	-25.00	H
9388.40	-67.55	2.10	11.60	-58.05	-25.00	H
11472.60	-62.65	2.60	10.50	-54.75	-25.00	H
15005.07	-59.85	2.40	12.40	-49.85	-25.00	H
17943.53	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH39750+CH39948

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2966.00	-64.35	1.00	10.70	-54.65	-25.00	H
5092.80	-75.65	1.20	12.50	-64.35	-25.00	H
7886.60	-68.85	1.70	11.30	-59.25	-25.00	H
10303.60	-66.25	2.10	11.30	-57.05	-25.00	H
14809.27	-59.75	2.50	11.20	-51.05	-25.00	H
17942.43	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH40521+CH40719

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.45	1.00	10.70	-54.75	-25.00	H
5311.60	-75.65	1.60	12.50	-64.75	-25.00	H
7375.10	-69.55	1.70	12.00	-59.25	-25.00	H
11207.50	-62.95	2.50	10.50	-54.95	-25.00	H
15084.63	-60.35	2.40	12.40	-50.35	-25.00	H
17942.43	-55.65	3.20	12.80	-46.05	-25.00	H

LTE Band CA_41C, 20MHz+20MHz, 16QAM, CH41292+CH41490

Frequency(MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2974.80	-64.35	1.00	10.70	-54.65	-25.00	H
5447.20	-75.95	1.30	12.50	-64.75	-25.00	H
7093.50	-70.15	1.80	12.00	-59.95	-25.00	H
11173.40	-62.85	2.50	10.50	-54.85	-25.00	H
15004.70	-59.85	2.40	12.40	-49.85	-25.00	H
17943.17	-55.45	3.20	12.80	-45.85	-25.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 2.72\text{dB}(30\text{MHz}-3\text{GHz})/3.60\text{dB}(3\text{GHz}-18\text{GHz})/3.85\text{dB}(18\text{GHz}-40\text{GHz})$, $k = 2$

A.3 FREQUENCY STABILITY

Reference

FCC: CFR Part 2.1055, 22.355, 24.235, 27.54, 90.213.

A.3.1 Method of Measurement

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at 0°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on middle channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 5°C increments from 0°C to +35°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +35°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 5°C increments from +35°C to 0°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

A.3.2 Measurement Limit

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d) (2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3.6VDC and 4.4VDC, with a nominal voltage of 3.85VDC. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance from -5.4% to 10.8%. For the purposes of measuring frequency stability these voltage limits are to be used.

A.3.3 Measurement results

LTE Band 2, 1.4MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	11	21	0.006	0.011
3.85	9	17	0.005	0.009
4.4	5	8	0.003	0.004

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	16	3	0.009	0.002
5	3	6	0.002	0.003
10	14	5	0.007	0.003
15	7	14	0.004	0.007
20	8	12	0.004	0.006
25	16	17	0.009	0.009
30	7	8	0.004	0.004
35	18	6	0.010	0.003

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 4, 1.4MHz bandwidth (worst case of all bandwidths)

Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	16	6	0.009	0.003
3.85	5	8	0.003	0.005
4.4	8	11	0.005	0.006

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	13	17	0.008	0.010
5	15	15	0.009	0.009
10	8	12	0.005	0.007
15	7	11	0.004	0.006
20	14	14	0.008	0.008
25	16	8	0.009	0.005
30	21	13	0.012	0.008
35	9	2	0.005	0.001

Expanded measurement uncertainty is 10Hz, $k = 2$

LTE Band 5, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	16	22	0.019	0.026
3.85	5	15	0.006	0.018
4.4	7	11	0.008	0.013

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	11	13	0.013	0.016
5	13	8	0.016	0.010
10	12	5	0.014	0.006
15	7	17	0.008	0.020
20	4	14	0.005	0.017
25	15	19	0.018	0.023
30	18	6	0.022	0.007
35	6	13	0.007	0.016

Expanded measurement uncertainty is 10Hz, $k = 2$
LTE Band 7, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	22	12	0.009	0.005
3.85	17	17	0.007	0.007
4.4	31	5	0.012	0.002

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	13	22	0.005	0.009
5	26	1	0.010	0.000
10	24	18	0.009	0.007
15	15	16	0.006	0.006
20	18	25	0.007	0.010
25	22	3	0.009	0.001
30	19	7	0.007	0.003
35	26	9	0.010	0.004

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 12, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	16	25	0.023	0.035
3.85	24	16	0.034	0.023
4.4	22	31	0.031	0.044

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	33	24	0.047	0.034
5	26	7	0.037	0.010
10	28	15	0.040	0.021
15	38	13	0.054	0.018
20	16	11	0.023	0.016
25	15	28	0.021	0.040
30	27	24	0.038	0.034
35	26	25	0.037	0.035

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 17, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	22	23	0.031	0.032
3.85	15	36	0.021	0.051
4.4	18	38	0.025	0.054

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	33	31	0.046	0.044
5	36	25	0.051	0.035
10	35	14	0.049	0.020
15	39	19	0.055	0.027
20	32	18	0.045	0.025
25	25	24	0.035	0.034
30	27	17	0.038	0.024
35	26	33	0.037	0.046

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 26(814MHz-824MHz), 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	29	9	0.035	0.011
3.85	31	15	0.038	0.018
4.4	28	38	0.034	0.046

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	3	11	0.004	0.013
5	21	14	0.026	0.017
10	7	24	0.009	0.029
15	6	38	0.007	0.046
20	18	5	0.022	0.006
25	25	16	0.031	0.020
30	29	9	0.035	0.011
35	13	17	0.016	0.021

Expanded measurement uncertainty is 10Hz, k = 2

LTE band 26(824MHz-849MHz), 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	34	41	0.041	0.049
3.85	29	8	0.035	0.010
4.4	38	15	0.045	0.018

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	6	3	0.007	0.004
5	28	15	0.033	0.018
10	42	27	0.050	0.032
15	15	37	0.018	0.044
20	35	36	0.042	0.043
25	28	26	0.033	0.031
30	16	8	0.019	0.010
35	9	14	0.011	0.017

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band 38, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	26	1	0.010	0.000
3.85	17	12	0.007	0.005
4.4	8	7	0.003	0.003

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	26	16	0.010	0.006
5	25	24	0.010	0.009
10	14	17	0.005	0.007
15	18	8	0.007	0.003
20	9	6	0.003	0.002
25	3	14	0.001	0.005
30	12	11	0.005	0.004
35	22	21	0.008	0.008

Expanded measurement uncertainty is 10 Hz, $k = 2$
LTE Band 41, 5MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	24	25	0.009	0.010
3.85	16	16	0.006	0.006
4.4	18	7	0.007	0.003

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	13	23	0.005	0.009
5	15	26	0.006	0.010
10	24	15	0.009	0.006
15	8	34	0.003	0.013
20	7	18	0.003	0.007
25	16	9	0.006	0.003
30	14	17	0.005	0.007
35	34	26	0.013	0.010

Expanded measurement uncertainty is 10 Hz, $k = 2$

LTE Band 66, 1.4MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	16	4	0.009	0.002
3.85	24	18	0.014	0.010
4.4	18	9	0.010	0.005

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	14	9	0.008	0.005
5	5	7	0.003	0.004
10	7	2	0.004	0.001
15	13	11	0.007	0.006
20	6	14	0.003	0.008
25	19	22	0.011	0.013
30	21	26	0.012	0.015
35	15	23	0.009	0.013

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band CA_7C, 15MHz+10MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	24	29	0.009	0.011
3.85	8	34	0.003	0.013
4.4	6	46	0.002	0.018

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	44	19	0.017	0.007
5	15	26	0.006	0.010
10	38	27	0.015	0.011
15	26	15	0.010	0.006
20	34	35	0.013	0.014
25	18	28	0.007	0.011
30	9	16	0.004	0.006
35	11	9	0.004	0.004

Expanded measurement uncertainty is 10Hz, k = 2

LTE Band CA_38C, 15MHz+15MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	19	25	0.007	0.010
3.85	5	18	0.002	0.007
4.4	18	7	0.007	0.003

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	33	13	0.013	0.005
5	26	15	0.010	0.006
10	24	14	0.009	0.005
15	15	24	0.006	0.009
20	18	17	0.007	0.007
25	22	8	0.008	0.003
30	26	16	0.010	0.006
35	19	23	0.007	0.009

Expanded measurement uncertainty is 10 Hz, $k = 2$
LTE Band CA_41C, 5MHz+20MHz bandwidth (worst case of all bandwidths)
Frequency Error vs Voltage

Voltage (V)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
3.6	9	16	0.003	0.006
3.85	15	18	0.006	0.007
4.4	7	27	0.003	0.010

Frequency Error vs Temperature

Temperature (°C)	Frequency error (Hz)		Frequency error (ppm)	
	QPSK	16QAM	QPSK	16QAM
0	33	32	0.013	0.012
5	26	26	0.010	0.010
10	28	15	0.011	0.006
15	15	18	0.006	0.007
20	17	47	0.007	0.018
25	8	16	0.003	0.006
30	16	33	0.006	0.013
35	11	26	0.004	0.010

Expanded measurement uncertainty is 10 Hz, $k = 2$

A.4 OCCUPIED BANDWIDTH

Reference

FCC: CFR Part 2.1049, 22.917, 24.238, 27.53, 90.1215.

A.4.1 Occupied Bandwidth Results

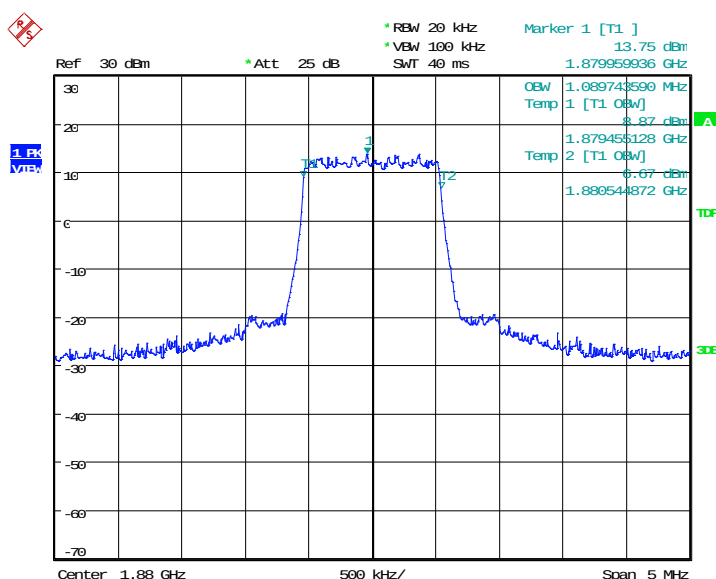
Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of the US Cellular/PCS frequency bands. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- Set the detection mode to peak, and the trace mode to max hold.
- Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

LTE band 2, 1.4MHz (99% BW)

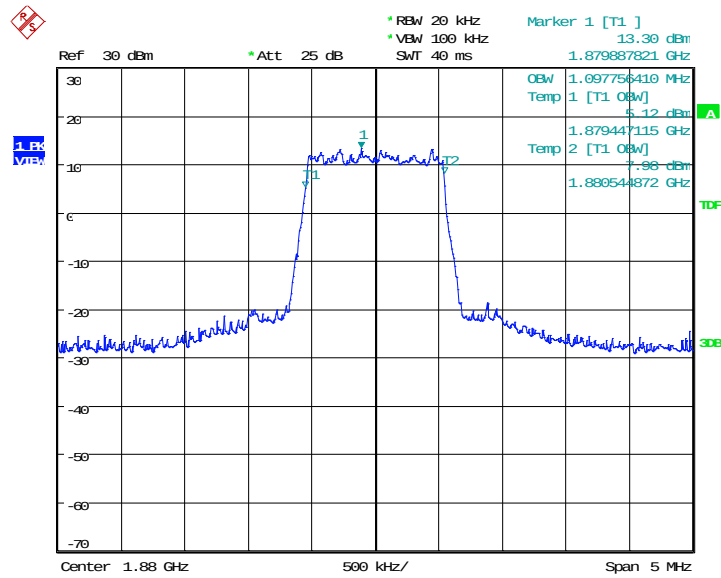
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1880.0	QPSK	16QAM
	1089.74	1097.76

LTE band 2, 1.4MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:56:59

LTE band 2, 1.4MHz Bandwidth, 16QAM (99% BW)

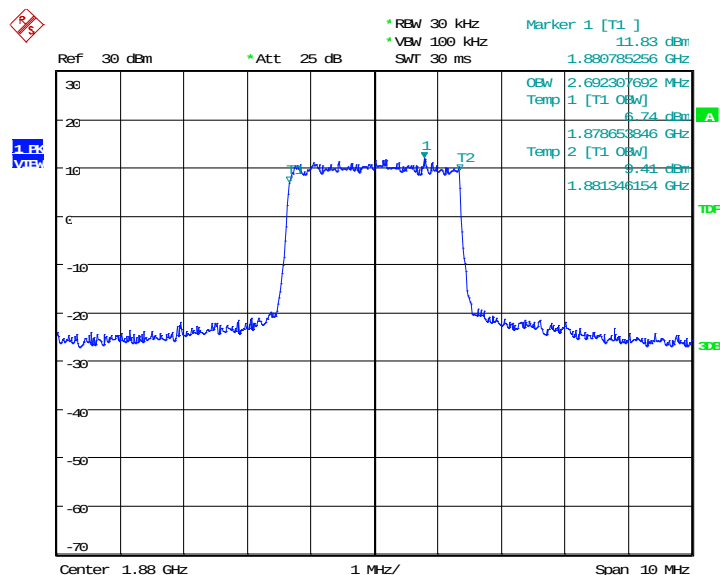


Date: 16.NOV.2020 16:57:12

LTE band 2, 3MHz (99% BW)

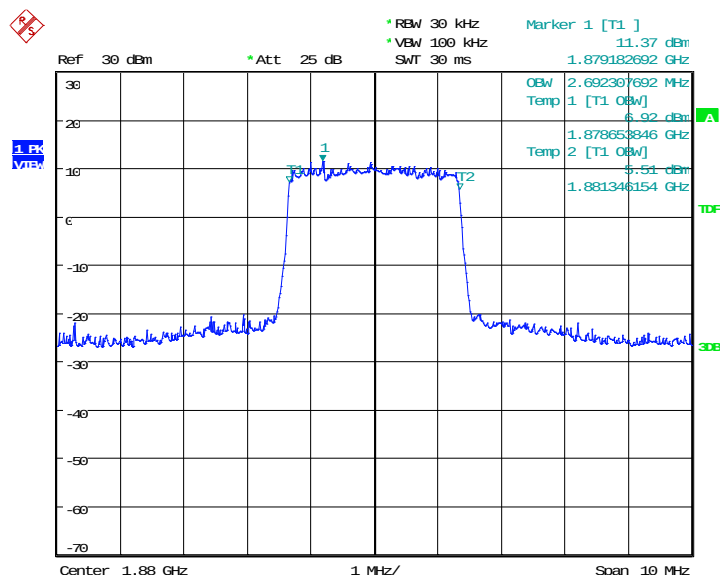
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1880.0	QPSK	16QAM
	2692.31	2692.31

LTE band 2, 3MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 16:59:16

LTE band 2, 3MHz Bandwidth, 16QAM (99% BW)

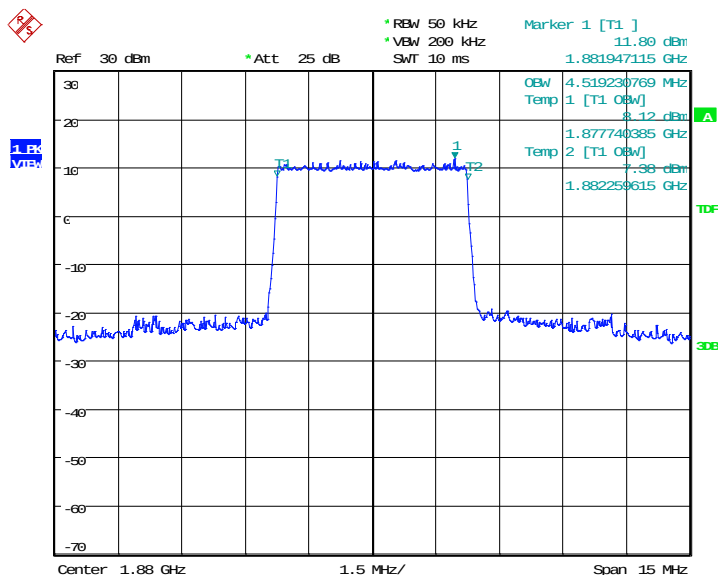


Date: 16.NOV.2020 16:59:30

LTE band 2, 5MHz (99% BW)

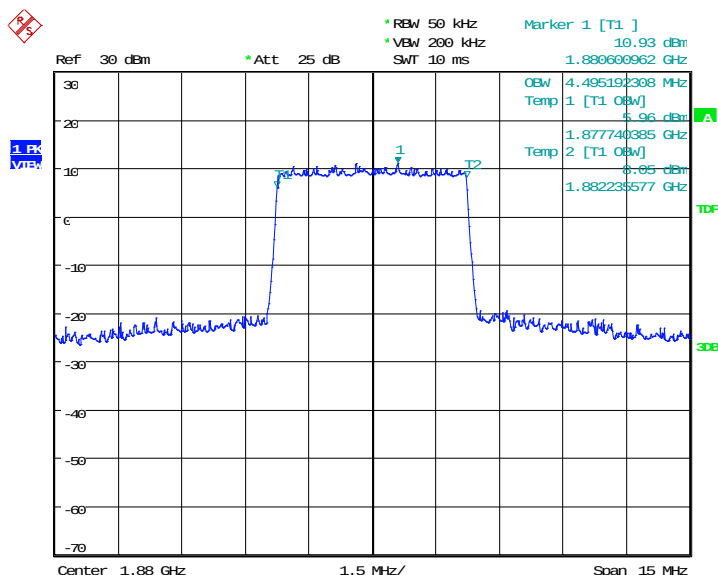
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1880.0	QPSK	16QAM
	4519.23	4495.19

LTE band 2, 5MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:01:34

LTE band 2, 5MHz Bandwidth,16QAM (99% BW)

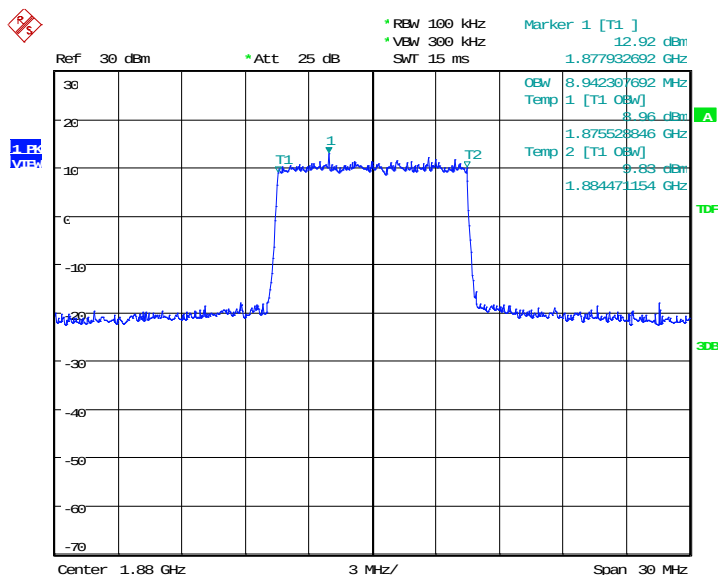


Date: 16.NOV.2020 17:01:48

LTE band 2, 10MHz (99% BW)

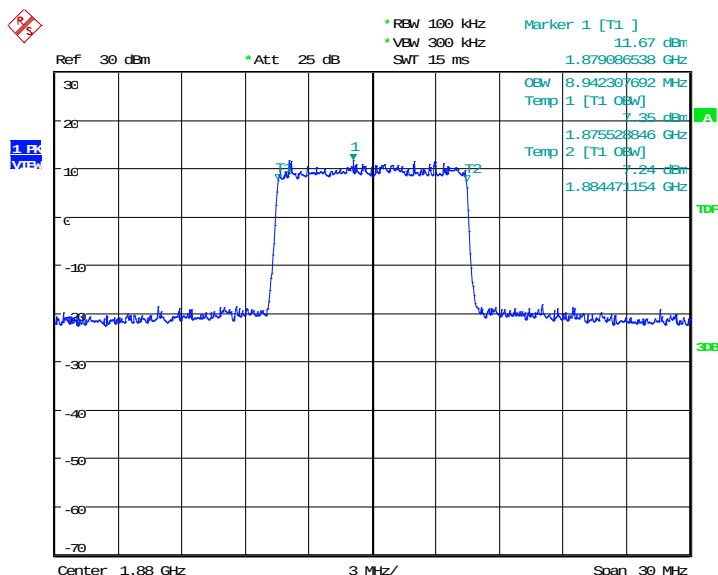
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1880.0	QPSK	16QAM
	8942.31	8942.31

LTE band 2, 10MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:03:52

LTE band 2, 10MHz Bandwidth, 16QAM (99% BW)

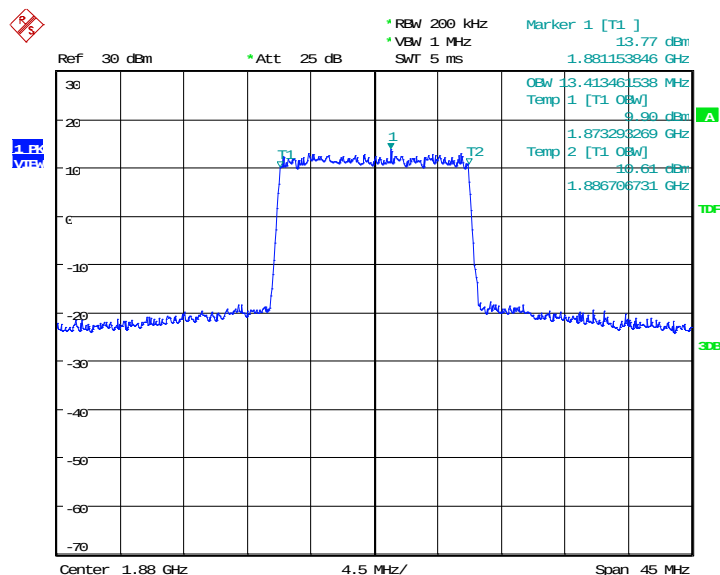


Date: 16.NOV.2020 17:04:06

LTE band 2, 15MHz (99% BW)

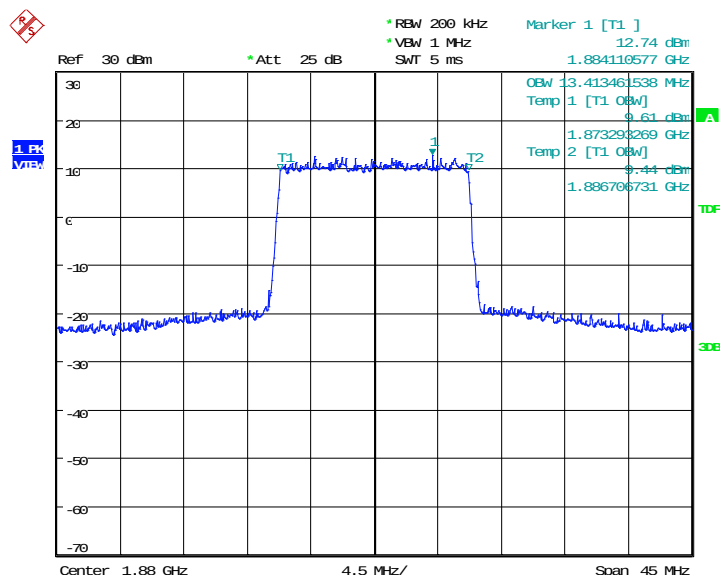
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)	
1880.0	QPSK	16QAM
	13413.46	13413.46

LTE band 2, 15MHz Bandwidth, QPSK (99% BW)



Date: 16.NOV.2020 17:06:10

LTE band 2, 15MHz Bandwidth, 16QAM (99% BW)



Date: 16.NOV.2020 17:06:24