TEST REPORT

No. I21N01157-RF-LTE

for

Guangdong OPPO Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name: CPH2269

FCC ID: R9C-CPH2269

with

Hardware Version: 11

Software Version: ColorOS V11.1

Issued Date: 2021-05-17

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:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21N01157-RF-LTE	Rev.0	1st edition	2021-05-17

Note：As the frequency band range of LTE Band 41(2535-2655MHz) overlaps the range of LTE Band 38(2570-2620MHz), LTE Band 26(814-849MHz) overlaps the range of LTE Band 5(824-849MHz), LTE Band 18(815-830MHz), LTE Band 19(830-845MHz), LTE Band 12(698-716 MHz) overlaps the range of LTE Band 17(704-716 MHz) and LTE Band 66(1710-1780 MHz) overlaps the range of LTE Band 4(1710-1755 MHz). The channel bandwidth and other perating parameters for LTE Band 38 are fully supported by LTE Band 41, the channel bandwidth and other perating parameters for LTE Band 5/18/19 are fully supported by LTE Band 26, the channel bandwidth and other perating parameters for LTE Band 17 are fully supported by LTE Band 12, the channel bandwidth and other perating parameters for LTE Band 4 are fully supported by LTE Band 66 and the miximum output power of LTE Band 41 is larger than the LTE Band 38, the miximum output power of LTE Band 26 is larger than the LTE Band 5/18/19, the miximum output power of LTE Band 12 is larger than the LTE Band 17 and the miximum output power of LTE Band 66 is larger than the LTE Band 4, we just need to test all the cases of LTE Band 41, LTE Band 26, LTE Band 12 and LTE Band 66.

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1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	CPH2269
Applicant's name	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Manufacturer's Name	Guangdong OPPO Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

FCC Part 2/22/24/27/90/95/97/101	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: 2021-04-13 Testing End Date: 2020-05-15

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	CPH2269
FCC ID	R9C-CPH2269
Frequency Bands	LTE Bands 2, 4, 5, 7, 12, 17, 18, 19, 26, 38, 41(2535MHz-2655MHz), 66
Antenna	Integrated
Extreme vol. Limits	3.60V to 4.45V (nominal: 3.87V)
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
UT02aa	864849050019772 864849050019764	11	ColorOS V11.1	2021-04-13
UT04aa	866223050027672 866223050027664	11	ColorOS V11.1	2021-04-13

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

UT04aa is used for conduction test, UT02aa is used for radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description
AE1	Battery
AE2	Charger
AE3	USB Cable
AE4	Headset

AE1

Model	BLP805
Manufacturer	Sunwoda Electronic Co., Ltd.
Capacity	4980mAh
Nominal Voltage	3.87V

AE2

Model	OP52JAUH
Manufacturer	HUIZHOU GOLDEN LAKE INDUSTRIAL CO., LTD
Specification	American Standard Charger

AE3

Model	DL143
Manufacturer	Freeport Resources Enterprises （Jiangxi） 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
FCC Part 95	PERSONAL RADIO SERVICES	10-1-19 Edition
FCC Part 97	AMATEUR RADIO SERVICE	10-1-19 Edition
FCC Part 101	FIXED MICROWAVE 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 ℃, Max. = 35 ℃
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 ℃, Max. = 35 ℃
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 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 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 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

7. STATEMENT

Since the information of samples in this report is provided by the client, the laboratory is not respo nsible for the authenticity of sample information.
This report takes measured values as criterion of test conclusion. The test conlusion meets the li mit 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-Lindgren	0224831	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	2022-01-13
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	ESPEC	92007516	2021-10-15
16	DC Power Supply	U3606A	Agilent Technologies	MY50450012	2021-11-13

Test software

Item	Name	Vesion
Radiated	EMC32	V10.50.40

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	64QAM
1.4MHz	1 RB high	1909.3	23.20	22.48	21.48
		1880.0	23.20	22.59	21.59
		1850.7	23.28	22.51	21.53
	1 RB low	1909.3	23.16	22.54	21.41
		1880.0	23.28	22.59	21.58
		1850.7	23.24	22.52	21.54
	50% RB mid	1909.3	23.37	22.32	21.55
		1880.0	23.42	22.45	21.64
		1850.7	23.35	22.47	21.54
	100% RB	1909.3	22.35	21.40	20.28
		1880.0	22.37	21.52	20.35
		1850.7	22.37	21.44	20.27
3MHz	1 RB high	1908.5	23.26	22.49	21.42
		1880.0	23.29	22.58	21.56
		1851.5	23.29	22.71	21.51
	1 RB low	1908.5	23.29	22.56	21.49
		1880.0	23.30	22.63	21.46
		1851.5	23.28	22.69	21.47
	50% RB mid	1908.5	22.35	21.44	20.34
		1880.0	22.42	21.48	20.42
		1851.5	22.37	21.42	20.38

	100% RB	1908.5	22.36	21.35	20.25
		1880.0	22.36	21.42	20.37
		1851.5	22.35	21.38	20.33
5MHz	1 RB high	1907.5	23.13	22.36	21.35
		1880.0	23.15	22.48	21.43
		1852.5	23.19	22.43	21.45
	1 RB low	1907.5	23.17	22.43	21.40
		1880.0	23.15	22.49	21.44
		1852.5	23.21	22.43	21.50
	50% RB mid	1907.5	22.38	21.38	20.30
		1880.0	22.42	21.45	20.37
		1852.5	22.45	21.44	20.39
	100% RB	1907.5	22.33	21.38	20.29
		1880.0	22.40	21.41	20.30
		1852.5	22.38	21.39	20.36
10MHz	1 RB high	1905.0	23.24	22.55	21.45
		1880.0	23.28	22.60	21.55
		1855.0	23.26	22.66	21.58
	1 RB low	1905.0	23.29	22.65	21.57
		1880.0	23.34	22.66	21.63
		1855.0	23.29	22.67	21.61
	50% RB mid	1905.0	22.46	21.43	20.35
		1880.0	22.43	21.44	20.39
		1855.0	22.41	21.46	20.39
	100% RB	1905.0	22.46	21.49	20.36
		1880.0	22.43	21.43	20.35
		1855.0	22.41	21.44	20.43
15MHz	1 RB high	1902.5	23.17	22.40	21.29
		1880.0	23.18	22.50	21.35
		1857.5	23.16	22.62	21.30
	1 RB low	1902.5	23.19	22.51	21.32
		1880.0	23.22	22.60	21.32
		1857.5	23.21	22.63	21.35
	50% RB mid	1902.5	22.41	21.38	20.39
		1880.0	22.44	21.35	20.38
		1857.5	22.47	21.40	20.39
	100% RB	1902.5	22.39	21.40	20.34
		1880.0	22.38	21.42	20.34
		1857.5	22.42	21.41	20.35

20MHz	1 RB high	1900.0	22.97	22.23	21.32
		1880.0	22.97	22.36	21.31
		1860.0	22.98	22.32	21.25
	1 RB low	1900.0	23.04	22.37	21.33
		1880.0	23.08	22.44	21.39
		1860.0	23.08	22.33	21.28
	50% RB mid	1900.0	22.38	21.41	20.38
		1880.0	22.42	21.41	20.38
		1860.0	22.42	21.46	20.40
	100% RB	1900.0	22.39	21.33	20.31
		1880.0	22.37	21.36	20.33
		1860.0	22.41	21.44	20.39

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

LTE band 7

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2567.5	22.89	22.13	21.15
		2535.0	22.77	22.02	21.06
		2502.5	22.85	22.03	20.99
	1 RB low	2567.5	22.84	21.99	21.10
		2535.0	22.78	22.01	21.01
		2502.5	22.89	22.10	20.93
	50% RB mid	2567.5	22.05	21.06	20.05
		2535.0	21.98	21.01	19.94
		2502.5	22.03	21.04	19.89
	100% RB	2567.5	22.06	21.04	19.98
		2535.0	21.95	20.98	19.86
		2502.5	21.98	20.98	19.93
10MHz	1 RB high	2565.0	23.06	22.36	21.15
		2535.0	22.91	22.26	21.14
		2505.0	22.97	22.20	21.20
	1 RB low	2565.0	22.92	22.13	21.01
		2535.0	22.90	22.18	21.12
		2505.0	22.98	22.17	21.20
	50% RB mid	2565.0	22.03	21.00	19.99
		2535.0	21.95	20.99	19.89
		2505.0	21.99	21.05	19.89
	100% RB	2565.0	22.07	21.07	20.06
		2535.0	22.00	21.00	19.88
		2505.0	22.05	21.05	19.90
15MHz	1 RB high	2562.5	23.02	22.27	21.22
		2535.0	22.85	22.10	21.03
		2507.5	22.93	22.11	20.99
	1 RB low	2562.5	22.80	22.09	20.97
		2535.0	22.83	22.04	20.96
		2507.5	22.92	22.09	20.94
	50% RB mid	2562.5	22.08	21.02	19.99
		2535.0	22.01	20.99	19.94
		2507.5	22.03	21.04	19.96
	100% RB	2562.5	22.03	21.06	19.98
		2535.0	22.00	21.02	19.92
		2507.5	22.06	21.10	19.90

20MHz	1 RB high	2560.0	22.83	22.11	21.08
		2535.0	22.69	21.94	20.97
		2510.0	22.72	21.98	20.97
	1 RB low	2560.0	22.60	21.84	20.82
		2535.0	22.56	21.78	20.88
		2510.0	22.69	21.93	20.95
	50% RB mid	2560.0	22.09	21.03	20.00
		2535.0	22.06	21.05	19.94
		2510.0	22.07	21.10	20.01
	100% RB	2560.0	22.05	20.99	19.95
		2535.0	22.05	21.07	19.98
		2510.0	22.05	21.07	19.97

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

LTE band 12

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	715.3	23.10	22.37	21.28
		707.5	23.09	22.37	21.31
		699.7	23.14	22.26	21.40
	1 RB low	715.3	23.09	22.33	21.32
		707.5	23.10	22.35	21.36
		699.7	23.08	22.24	21.43
	50% RB mid	715.3	23.26	22.22	21.42
		707.5	23.30	22.27	21.34
		699.7	23.25	22.22	21.41
	100% RB	715.3	22.32	21.36	20.27
		707.5	22.29	21.34	20.27
		699.7	22.30	21.30	20.33
3MHz	1 RB high	714.5	23.21	22.44	21.36
		707.5	23.17	22.48	21.42
		700.5	23.22	22.57	21.50
	1 RB low	714.5	23.10	22.43	21.37
		707.5	23.16	22.51	21.45
		700.5	23.13	22.41	21.38
	50% RB mid	714.5	22.24	21.25	20.32
		707.5	22.29	21.32	20.34
		700.5	22.27	21.27	20.29
	100% RB	714.5	22.24	21.25	20.25
		707.5	22.25	21.25	20.29
		700.5	22.25	21.29	20.29
5MHz	1 RB high	713.5	23.07	22.25	21.16
		707.5	23.03	22.30	21.24
		701.5	23.11	22.40	21.34
	1 RB low	713.5	23.05	22.26	21.18
		707.5	23.03	22.39	21.33
		701.5	23.01	22.18	21.25
	50% RB mid	713.5	22.34	21.32	20.31
		707.5	22.30	21.31	20.36
		701.5	22.33	21.34	20.37
	100% RB	713.5	22.28	21.28	20.31
		707.5	22.29	21.29	20.33
		701.5	22.28	21.27	20.27
10MHz	1 RB high	711.0	23.29	22.53	21.51

		707.5	23.24	22.51	21.52
		704.0	23.20	22.46	21.35
	1 RB low	711.0	23.14	22.49	21.41
		707.5	23.13	22.44	21.40
		704.0	23.12	22.32	21.24
	50% RB mid	711.0	22.36	21.34	20.29
		707.5	22.36	21.33	20.36
		704.0	22.39	21.36	20.40
	100% RB	711.0	22.32	21.28	20.31
		707.5	22.38	21.36	20.34
		704.0	22.38	21.36	20.37

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	64QAM
1.4MHz	1 RB high	823.3	23.18	22.32	21.41
		819.0	23.12	22.36	21.36
		814.7	23.09	22.33	21.31
	1 RB low	823.3	23.11	22.41	21.42
		819.0	23.12	22.44	21.36
		814.7	23.09	22.45	21.37
	50% RB mid	823.3	23.25	22.25	21.33
		819.0	23.27	22.28	21.36
		814.7	23.24	22.19	21.32
	100% RB	823.3	22.25	21.31	20.29
		819.0	22.18	21.22	20.23
		814.7	22.15	21.30	20.16
3MHz	1 RB high	822.5	23.15	22.35	21.37
		819.0	23.14	22.36	21.38
		815.5	23.10	22.44	22.41
	1 RB low	822.5	23.15	22.42	21.36
		819.0	23.02	22.40	21.32
		815.5	23.12	22.41	22.31
	50% RB mid	822.5	22.16	21.35	20.33
		819.0	22.15	21.36	20.28
		815.5	22.16	21.30	21.22
	100% RB	822.5	22.18	21.25	20.26
		819.0	22.17	21.25	20.25
		815.5	22.12	21.27	21.23
5MHz	1 RB high	821.5	23.05	22.27	21.28
		819.0	23.08	22.18	21.22
		816.5	23.05	22.26	21.21
	1 RB low	821.5	22.91	22.20	21.22
		819.0	22.98	22.18	21.16
		816.5	22.96	22.28	21.21
	50% RB mid	821.5	22.19	21.30	20.25
		819.0	22.18	21.28	20.26
		816.5	22.21	21.25	20.19
	100% RB	821.5	22.19	21.23	20.19
		819.0	22.12	21.22	20.16
		816.5	22.14	21.18	20.13
10MHz	1 RB high	819.0	23.16	22.43	21.41

	1 RB low	819.0	23.12	22.34	21.40
	50% RB mid	819.0	22.24	22.28	21.30
	100% RB	819.0	22.17	22.22	21.24

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

LTE band 26(824MHz-849MHz)

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	848.3	23.14	22.38	21.43
		836.5	23.06	22.40	21.37
		824.7	23.08	22.48	21.34
	1 RB low	848.3	23.10	22.43	21.40
		836.5	23.09	22.45	21.35
		824.7	23.08	22.43	21.36
	50% RB mid	848.3	23.33	22.23	21.49
		836.5	23.25	22.22	21.41
		824.7	23.26	22.18	21.46
	100% RB	848.3	22.22	21.30	20.20
		836.5	22.14	21.29	20.20
		824.7	22.17	21.32	20.19
3MHz	1 RB high	847.5	23.12	22.45	21.39
		836.5	23.12	22.46	21.42
		825.5	23.14	22.54	22.45
	1 RB low	847.5	23.14	22.48	21.44
		836.5	23.09	22.49	21.35
		825.5	23.15	22.44	22.32
	50% RB mid	847.5	22.18	21.38	20.30
		836.5	22.12	21.33	20.26
		825.5	22.19	21.30	21.22
	100% RB	847.5	22.13	21.27	20.23
		836.5	22.14	21.24	20.24
		825.5	22.14	21.22	21.24
5MHz	1 RB high	846.5	23.01	22.22	21.34
		836.5	23.03	22.19	21.19
		826.5	23.03	22.20	21.28
	1 RB low	846.5	22.99	22.24	21.24
		836.5	22.96	22.19	21.15
		826.5	22.99	22.27	21.24
	50% RB mid	846.5	22.19	21.30	20.19
		836.5	22.16	21.24	20.17
		826.5	22.16	21.21	20.17
	100% RB	846.5	22.19	21.25	20.19
		836.5	22.10	21.22	20.15
		826.5	22.11	21.16	20.10
10MHz	1 RB high	844.0	23.18	22.53	21.44

		836.5	23.15	22.44	21.41
		829.0	23.14	22.48	21.40
	1 RB low	844.0	23.07	22.36	21.35
		836.5	23.10	22.34	21.35
		829.0	23.08	22.39	21.31
	50% RB mid	844.0	22.16	21.26	20.19
		836.5	22.14	21.21	20.20
		829.0	22.12	21.18	20.16
	100% RB	844.0	22.18	21.26	20.17
		836.5	22.14	21.24	20.19
		829.0	22.15	21.18	20.15
15MHz	1 RB high	841.5	23.08	22.47	21.23
		836.5	23.01	22.39	21.25
		831.5	23.02	22.49	21.32
	1 RB low	841.5	22.94	22.36	21.10
		836.5	22.98	22.43	21.22
		831.5	22.96	22.32	21.23
	50% RB mid	841.5	22.15	21.18	20.23
		836.5	22.16	21.23	20.17
		831.5	22.17	21.21	20.22
	100% RB	841.5	22.13	21.21	20.15
		836.5	22.17	21.22	20.12
		831.5	22.14	21.20	20.14

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

LTE band 41

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
5MHz	1 RB high	2652.5	22.88	21.94	20.69
		2595.0	22.82	21.90	20.62
		2537.5	22.81	21.90	20.64
	1 RB low	2652.5	22.93	22.01	20.71
		2595.0	22.81	21.84	20.61
		2537.5	22.91	21.92	20.68
	50% RB mid	2652.5	22.10	21.04	20.05
		2595.0	21.97	20.90	19.94
		2537.5	22.05	20.96	19.98
	100% RB	2652.5	22.03	21.06	20.06
		2595.0	21.89	20.94	19.93
		2537.5	21.97	21.03	19.92
10MHz	1 RB high	2650.0	22.96	22.02	20.74
		2595.0	22.95	21.96	20.71
		2540.0	22.92	22.01	20.71
	1 RB low	2650.0	23.02	22.13	20.84
		2595.0	22.87	21.92	20.69
		2540.0	22.98	22.04	20.77
	50% RB mid	2650.0	22.10	21.11	20.13
		2595.0	21.95	20.99	20.00
		2540.0	21.97	21.04	20.04
	100% RB	2650.0	22.01	21.13	20.01
		2595.0	21.80	20.98	19.78
		2540.0	21.92	21.06	19.83
15MHz	1 RB high	2647.5	22.84	21.93	20.68
		2595.0	22.80	21.87	20.63
		2542.5	22.82	21.90	20.61
	1 RB low	2647.5	22.93	22.02	20.69
		2595.0	22.72	21.79	20.54
		2542.5	22.88	21.96	20.72
	50% RB mid	2647.5	22.07	21.04	20.08
		2595.0	21.92	20.86	19.93
		2542.5	22.02	20.99	19.97
	100% RB	2647.5	22.02	21.10	20.00
		2595.0	21.82	20.87	19.82
		2542.5	21.91	21.06	19.84

20MHz	1 RB high	2645.0	22.69	21.77	20.50
		2595.0	22.67	21.68	20.43
		2545.0	22.53	21.53	20.36
	1 RB low	2645.0	22.74	21.84	20.51
		2595.0	22.53	21.61	20.38
		2545.0	22.73	21.80	20.49
	50% RB mid	2645.0	22.04	21.16	20.05
		2595.0	21.83	21.00	19.83
		2545.0	21.87	21.08	19.90
	100% RB	2645.0	22.02	21.12	20.03
		2595.0	21.88	20.98	19.84
		2545.0	21.90	21.02	19.90

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

LTE band 66

Bandwidth	RB size/offset	Frequency (MHz)	Power(dBm)		
			QPSK	16QAM	64QAM
1.4MHz	1 RB high	1779.3	23.25	22.54	21.43
		1745.0	23.34	22.57	21.53
		1710.7	23.22	22.42	21.44
	1 RB low	1779.3	23.31	22.49	21.45
		1745.0	23.36	22.61	21.54
		1710.7	23.21	22.44	21.50
	50% RB mid	1779.3	23.48	22.36	21.58
		1745.0	23.52	22.51	21.65
		1710.7	23.34	22.43	21.44
	100% RB	1779.3	22.46	21.49	20.35
		1745.0	22.52	21.56	20.47
		1710.7	22.35	21.42	20.34
3MHz	1 RB high	1778.5	23.30	22.51	21.47
		1745.0	23.38	22.69	21.56
		1711.5	23.28	22.62	21.54
	1 RB low	1778.5	23.32	22.57	21.53
		1745.0	23.37	22.74	21.56
		1711.5	23.30	22.62	21.51
	50% RB mid	1778.5	22.42	21.43	20.44
		1745.0	22.48	21.52	20.52
		1711.5	22.38	21.41	20.35
	100% RB	1778.5	22.44	21.38	20.33
		1745.0	22.45	21.42	20.43
		1711.5	22.32	21.32	20.28
5MHz	1 RB high	1777.5	23.16	22.40	21.26
		1745.0	23.27	22.53	21.36
		1712.5	23.13	22.39	21.33
	1 RB low	1777.5	23.20	22.44	21.26
		1745.0	23.23	22.57	21.48
		1712.5	23.13	22.43	21.30
	50% RB mid	1777.5	22.49	21.46	20.36
		1745.0	22.48	21.51	20.53
		1712.5	22.34	21.34	20.35
	100% RB	1777.5	22.41	21.38	20.40
		1745.0	22.46	21.45	20.43
		1712.5	22.29	21.33	20.29
10MHz	1 RB high	1775.0	23.24	22.54	21.45

		1745.0	23.29	22.55	21.51
		1715.0	23.26	22.56	21.49
	1 RB low	1775.0	23.32	22.56	21.54
		1745.0	23.40	22.62	21.60
		1715.0	23.24	22.44	21.47
	50% RB mid	1775.0	22.46	21.42	20.41
		1745.0	22.50	21.49	20.46
		1715.0	22.33	21.36	20.29
	100% RB	1775.0	22.50	21.49	20.43
		1745.0	22.49	21.50	20.44
		1715.0	22.35	21.33	20.31
15MHz	1 RB high	1772.5	23.18	22.42	21.35
		1745.0	23.24	22.52	21.48
		1717.5	23.19	22.55	21.46
	1 RB low	1772.5	23.30	22.56	21.45
		1745.0	23.36	22.69	21.69
		1717.5	23.19	22.48	21.44
	50% RB mid	1772.5	22.46	21.39	20.40
		1745.0	22.47	21.42	20.44
		1717.5	22.35	21.36	20.33
	100% RB	1772.5	22.45	21.42	20.36
		1745.0	22.43	21.46	20.41
		1717.5	22.34	21.32	20.33
20MHz	1 RB high	1770.0	22.98	22.15	21.22
		1745.0	22.99	22.26	21.13
		1720.0	22.95	22.38	21.11
	1 RB low	1770.0	23.04	22.22	21.18
		1745.0	23.14	22.48	21.33
		1720.0	23.01	22.36	21.07
	50% RB mid	1770.0	22.45	21.41	20.39
		1745.0	22.43	21.47	20.44
		1720.0	22.34	21.34	20.31
	100% RB	1770.0	22.36	21.37	20.33
		1745.0	22.44	21.39	20.43
		1720.0	22.27	21.25	20.27

Note: Expanded measurement uncertainty is U = 0.49dB, 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”.

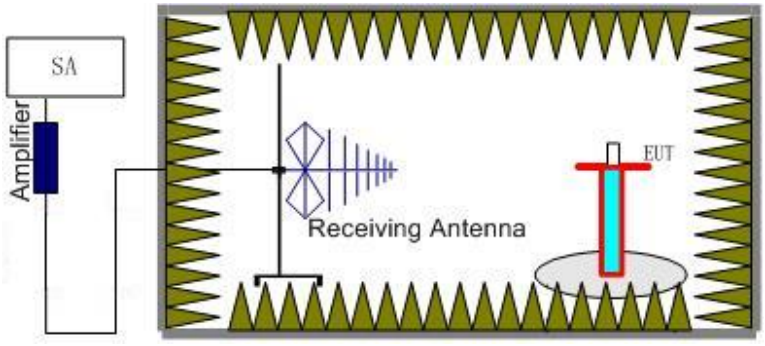
Rule Part 27.50(h)(2) specifies “Mobile stations are limited to 2.0 watts EIRP.”.

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

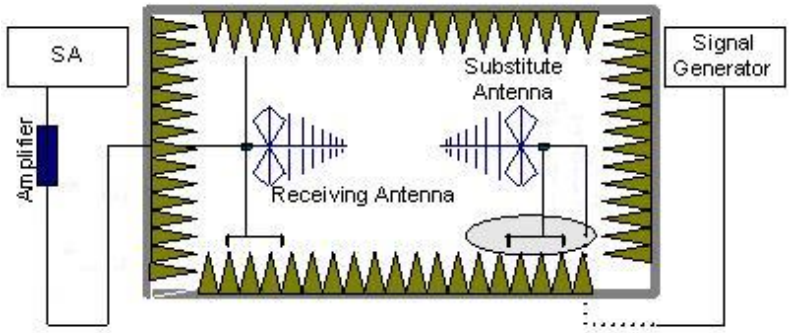
Rule Part 27.50(a)(3) specifies “For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards 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:
   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 -2.15dB.

A.1.3.3 Measurement result

Upper antenna

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

Limits: ≤33dBm (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	-15.87	-29.30	8.10	21.53	33.00	H
1880.00	-15.85	-29.40	8.10	21.65	33.00	H
1909.30	-15.79	-29.30	8.10	21.61	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	-15.74	-29.30	8.10	21.66	33.00	H
1880.00	-15.83	-29.40	8.10	21.67	33.00	H
1908.50	-15.75	-29.30	8.10	21.65	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	-15.86	-29.30	8.10	21.54	33.00	H
1880.00	-15.98	-29.40	8.10	21.52	33.00	H
1907.50	-15.82	-29.30	8.10	21.58	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	-16.74	-29.30	8.10	20.66	33.00	H
1880.00	-16.79	-29.40	8.10	20.71	33.00	H
1905.00	-16.62	-29.30	8.10	20.78	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	-15.84	-29.30	8.10	21.56	33.00	H
1880.00	-15.91	-29.40	8.10	21.59	33.00	H
1902.50	-15.75	-29.30	8.10	21.65	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	-15.99	-29.30	8.10	21.41	33.00	H
1880.00	-16.05	-29.40	8.10	21.45	33.00	H
1900.00	-15.88	-29.30	8.10	21.52	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	-15.84	-29.30	8.10	21.56	33.00	H
1880.00	-15.89	-29.40	8.10	21.61	33.00	H
1909.30	-15.86	-29.30	8.10	21.54	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	-15.82	-29.30	8.10	21.58	33.00	H
1880.00	-15.85	-29.40	8.10	21.65	33.00	H
1908.50	-15.69	-29.30	8.10	21.71	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	-15.95	-29.30	8.10	21.45	33.00	H
1880.00	-15.99	-29.40	8.10	21.51	33.00	H
1907.50	-15.84	-29.30	8.10	21.56	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	-15.73	-29.30	8.10	21.67	33.00	H
1880.00	-15.77	-29.40	8.10	21.73	33.00	H
1905.00	**-15.54**	**-29.30**	**8.10**	**21.86**	**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	-15.87	-29.30	8.10	21.53	33.00	H
1880.00	-15.88	-29.40	8.10	21.62	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	-16.01	-29.30	8.10	21.39	33.00	H
1880.00	-16.04	-29.40	8.10	21.46	33.00	H
1900.00	-15.89	-29.30	8.10	21.51	33.00	H

LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-16.97	-29.30	8.10	20.43	33.00	H
1880.00	-16.90	-29.40	8.10	20.60	33.00	H
1909.30	-16.84	-29.30	8.10	20.56	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-16.89	-29.30	8.10	20.51	33.00	H
1880.00	-17.02	-29.40	8.10	20.48	33.00	H
1908.50	-16.91	-29.30	8.10	20.49	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-16.98	-29.30	8.10	20.42	33.00	H
1880.00	-16.95	-29.40	8.10	20.55	33.00	H
1907.50	-16.78	-29.30	8.10	20.62	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-16.81	-29.30	8.10	20.59	33.00	H
1880.00	-16.85	-29.40	8.10	20.65	33.00	H
1905.00	-16.77	-29.30	8.10	20.63	33.00	H

LTE Band 2_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.06	-29.30	8.10	20.34	33.00	H
1880.00	-17.13	-29.40	8.10	20.37	33.00	H
1902.50	-16.95	-29.30	8.10	20.45	33.00	H

LTE Band 2_20 MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.05	-29.30	8.10	20.35	33.00	H
1880.00	-17.09	-29.40	8.10	20.41	33.00	H
1900.00	-17.10	-29.30	8.10	20.30	33.00	H

Peak EIRP (dBm)=P_{Mea}(-15.54dBm)-(P_{cl}+P_{Ag})(-29.30dB)+G_a(8.10dB) =21.86dBm

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

Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-18.19	-28.70	10.70	21.21	33.00	H
2535.00	-18.15	-28.60	10.70	21.15	33.00	H
2567.50	-18.04	-28.60	10.70	21.26	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-18.11	-28.70	10.70	21.29	33.00	H
2535.00	-18.03	-28.60	10.70	21.27	33.00	H
2565.00	**-17.95**	**-28.60**	**10.70**	**21.35**	**33.00**	**H**

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.23	-28.70	10.70	21.17	33.00	H
2535.00	-18.10	-28.60	10.70	21.20	33.00	H
2562.50	-18.01	-28.60	10.70	21.29	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.43	-28.70	10.70	20.97	33.00	H
2535.00	-18.37	-28.60	10.70	20.93	33.00	H
2560.00	-18.24	-28.60	10.70	21.06	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	-18.39	-28.70	10.70	21.01	33.00	H
2535.00	-18.27	-28.60	10.70	21.03	33.00	H
2567.50	-18.18	-28.60	10.70	21.12	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	-18.25	-28.70	10.70	21.15	33.00	H
2535.00	-18.10	-28.60	10.70	21.20	33.00	H
2565.00	-18.11	-28.60	10.70	21.19	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	-18.29	-28.70	10.70	21.11	33.00	H
2535.00	-18.24	-28.60	10.70	21.06	33.00	H
2562.50	-18.19	-28.60	10.70	21.11	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	-18.54	-28.70	10.70	20.86	33.00	H
2535.00	-18.50	-28.60	10.70	20.80	33.00	H
2560.00	-18.35	-28.60	10.70	20.95	33.00	H

LTE Band 7_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-19.28	-28.70	10.70	20.12	33.00	H
2535.00	-19.27	-28.60	10.70	20.03	33.00	H
2567.50	-19.35	-28.60	10.70	19.95	33.00	H

LTE Band 7_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-19.37	-28.70	10.70	20.03	33.00	H
2535.00	-19.16	-28.60	10.70	20.14	33.00	H
2565.00	-19.08	-28.60	10.70	20.22	33.00	H

LTE Band 7_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-19.41	-28.70	10.70	19.99	33.00	H
2535.00	-19.32	-28.60	10.70	19.98	33.00	H
2562.50	-19.34	-28.60	10.70	19.96	33.00	H

LTE Band 7_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-19.56	-28.70	10.70	19.84	33.00	H
2535.00	-19.40	-28.60	10.70	19.90	33.00	H
2560.00	-19.33	-28.60	10.70	19.97	33.00	H

Peak EIRP (dBm)=P_{Mea}(-17.95dBm)-(P_{cl}+P_{Ag})(-28.60dB)+G_a(10.70dB) =21.35dBm

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_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.41	-34.80	-0.93	2.15	19.31	34.77	H
707.50	-12.32	-34.70	-0.91	2.15	19.32	34.77	H
715.30	-12.57	-34.70	-0.68	2.15	19.30	34.77	H

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-12.36	-34.80	-0.97	2.15	19.32	34.77	V
707.50	**-12.26**	**-34.70**	**-0.91**	**2.15**	**19.38**	**34.77**	**V**
714.50	-12.56	-34.70	-0.64	2.15	19.35	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.41	-34.80	-0.97	2.15	19.27	34.77	V
707.50	-12.39	-34.70	-0.91	2.15	19.25	34.77	V
713.50	-12.68	-34.70	-0.64	2.15	19.23	34.77	V

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.32	-34.80	-0.97	2.15	19.36	34.77	V
707.50	-12.29	-34.70	-0.91	2.15	19.35	34.77	V
711.00	-12.57	-34.70	-0.64	2.15	19.34	34.77	V

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	-12.52	-34.80	-0.93	2.15	19.20	34.77	V
707.50	-12.42	-34.70	-0.91	2.15	19.22	34.77	V
715.30	-12.75	-34.70	-0.68	2.15	19.11	34.77	V

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	-12.38	-34.80	-0.97	2.15	19.30	34.77	V
707.50	**-12.26**	**-34.70**	**-0.91**	**2.15**	**19.38**	**34.77**	**V**
714.50	-12.62	-34.70	-0.64	2.15	19.28	34.77	V

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	-12.55	-34.80	-0.97	2.15	19.13	34.77	V
707.50	-12.38	-34.70	-0.91	2.15	19.26	34.77	V
713.50	-12.85	-34.70	-0.64	2.15	19.05	34.77	V

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	-12.32	-34.80	-0.97	2.15	19.36	34.77	V
707.50	-12.33	-34.70	-0.91	2.15	19.31	34.77	V
711.00	-12.71	-34.70	-0.64	2.15	19.19	34.77	V

LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-13.53	-34.80	-0.93	2.15	18.19	34.77	V
707.50	-13.41	-34.70	-0.91	2.15	18.23	34.77	V
715.30	-13.56	-34.70	-0.68	2.15	18.30	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-13.44	-34.80	-0.97	2.15	18.24	34.77	V
707.50	-13.32	-34.70	-0.91	2.15	18.32	34.77	V
714.50	-13.65	-34.70	-0.64	2.15	18.25	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-13.63	-34.80	-0.97	2.15	18.05	34.77	V
707.50	-13.44	-34.70	-0.91	2.15	18.20	34.77	V
713.50	-13.78	-34.70	-0.64	2.15	18.12	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-13.40	-34.80	-0.97	2.15	18.28	34.77	V
707.50	-13.37	-34.70	-0.91	2.15	18.27	34.77	V
711.00	-13.79	-34.70	-0.64	2.15	18.11	34.77	V

Peak ERP (dBm)=P_{Mea}(-12.26Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.91dB) -2.15dB =19.38dBm

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	-11.39	-33.70	-0.80	2.15	19.36	50.00	H
819.00	-11.42	-33.60	-0.75	2.15	19.28	50.00	H
823.30	-11.36	-33.60	-0.79	2.15	19.30	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	-11.41	-33.70	-0.80	2.15	19.34	50.00	H
819.00	-11.36	-33.60	-0.75	2.15	19.34	50.00	H
822.50	-11.30	-33.60	-0.79	2.15	19.36	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	-11.52	-33.70	-0.80	2.15	19.23	50.00	H
819.00	-11.45	-33.60	-0.75	2.15	19.25	50.00	H
821.50	-11.41	-33.60	-0.79	2.15	19.25	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	-11.25	-33.60	-0.80	2.15	19.40	50.00	H
819.00	-11.33	-33.60	-0.75	2.15	19.37	50.00	H
819.00	-11.30	-33.60	-0.79	2.15	19.36	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	-11.50	-33.70	-0.80	2.15	19.25	50.00	H
819.00	-11.43	-33.60	-0.75	2.15	19.27	50.00	H
823.30	-11.30	-33.60	-0.79	2.15	19.35	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	-11.43	-33.70	-0.80	2.15	19.32	50.00	H
819.00	-11.37	-33.60	-0.75	2.15	19.33	50.00	H
822.50	**-11.24**	**-33.60**	**-0.79**	**2.15**	**19.41**	**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	-11.66	-33.70	-0.80	2.15	19.09	50.00	H
819.00	-11.64	-33.60	-0.75	2.15	19.06	50.00	H
821.50	-11.58	-33.60	-0.79	2.15	19.07	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	-11.25	-33.60	-0.80	2.15	19.40	50.00	H
819.00	-11.39	-33.60	-0.75	2.15	19.31	50.00	H
819.00	-11.30	-33.60	-0.79	2.15	19.35	50.00	H

LTE band 26(814MHz-824MHz)_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-12.45	-33.70	-0.80	2.15	18.30	50.00	H
819.00	-12.46	-33.60	-0.75	2.15	18.24	50.00	H
823.30	-12.44	-33.60	-0.79	2.15	18.21	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-12.49	-33.70	-0.80	2.15	18.26	50.00	H
819.00	-12.41	-33.60	-0.75	2.15	18.29	50.00	H
822.50	-11.33	-33.60	-0.79	2.15	19.32	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-12.54	-33.70	-0.80	2.15	18.21	50.00	H
819.00	-12.64	-33.60	-0.75	2.15	18.06	50.00	H
821.50	-12.50	-33.60	-0.79	2.15	18.15	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-12.34	-33.60	-0.80	2.15	18.31	50.00	H
819.00	-12.42	-33.60	-0.75	2.15	18.28	50.00	H
819.00	-12.38	-33.60	-0.79	2.15	18.27	50.00	H

Peak ERP (dBm)=P_{Mea}(-11.24dBm)-(P_{cl}+P_{Ag})(-33.60dB)+G_a(-0.79dB) -2.15 =19.41dBm

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_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.34	-33.60	-0.79	2.15	19.32	38.45	H
836.50	-11.30	-33.50	-0.74	2.15	19.31	38.45	H
848.30	-11.32	-33.50	-0.73	2.15	19.30	38.45	H

LTE band 26(824MHz-849MHz)_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	-11.30	-33.60	-0.79	2.15	19.36	38.45	H
836.50	-11.30	-33.50	-0.74	2.15	19.31	38.45	H
847.50	**-11.25**	**-33.50**	**-0.73**	**2.15**	**19.37**	**38.45**	**H**

LTE band 26(824MHz-849MHz)_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	-11.45	-33.60	-0.79	2.15	19.21	38.45	H
836.50	-11.43	-33.50	-0.74	2.15	19.18	38.45	H
846.50	-11.41	-33.50	-0.73	2.15	19.21	38.45	H

LTE band 26(824MHz-849MHz)_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	-11.37	-33.60	-0.79	2.15	19.29	38.45	H
836.50	-11.29	-33.50	-0.74	2.15	19.32	38.45	H
844.00	-11.32	-33.50	-0.73	2.15	19.30	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.50	-33.60	-0.79	2.15	19.16	38.45	H
836.50	-11.41	-33.50	-0.74	2.15	19.20	38.45	H
841.50	-11.44	-33.50	-0.73	2.15	19.18	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	-11.35	-33.60	-0.79	2.15	19.30	38.45	H
836.50	-11.29	-33.50	-0.74	2.15	19.32	38.45	H
848.30	-11.32	-33.50	-0.73	2.15	19.30	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	-11.30	-33.60	-0.79	2.15	19.35	38.45	H
836.50	-11.25	-33.50	-0.74	2.15	19.36	38.45	H
847.50	-11.31	-33.50	-0.73	2.15	19.31	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	-11.54	-33.60	-0.79	2.15	19.11	38.45	H
836.50	-11.55	-33.50	-0.74	2.15	19.06	38.45	H
846.50	-11.48	-33.50	-0.73	2.15	19.14	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	-11.42	-33.60	-0.79	2.15	19.23	38.45	H
836.50	-11.40	-33.50	-0.74	2.15	19.21	38.45	H
844.00	-11.36	-33.50	-0.73	2.15	19.26	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	-11.42	-33.60	-0.79	2.15	19.23	38.45	H
836.50	-11.31	-33.50	-0.74	2.15	19.30	38.45	H
841.50	-11.43	-33.50	-0.73	2.15	19.19	38.45	H

LTE band 26(824MHz-849MHz)_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-12.38	-33.60	-0.79	2.15	18.27	38.45	H
836.50	-12.39	-33.50	-0.74	2.15	18.22	38.45	H
848.30	-12.39	-33.50	-0.73	2.15	18.23	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-12.34	-33.60	-0.79	2.15	18.31	38.45	H
836.50	-12.39	-33.50	-0.74	2.15	18.22	38.45	H
847.50	-11.43	-33.50	-0.73	2.15	19.19	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-12.54	-33.60	-0.79	2.15	18.11	38.45	H
836.50	-12.59	-33.50	-0.74	2.15	18.02	38.45	H
846.50	-12.51	-33.50	-0.73	2.15	18.11	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-12.43	-33.60	-0.79	2.15	18.22	38.45	H
836.50	-12.39	-33.50	-0.74	2.15	18.22	38.45	H
844.00	-12.44	-33.50	-0.73	2.15	18.18	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-12.68	-33.60	-0.79	2.15	17.97	38.45	H
836.50	-12.52	-33.50	-0.74	2.15	18.09	38.45	H
841.50	-12.52	-33.50	-0.73	2.15	18.10	38.45	H

Peak ERP (dBm)=P_{Mea}(-11.25dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.73dB) -2.15=19.37dBm

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

Limits: ≤33dBm (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
2537.50	-18.10	-28.70	10.70	21.30	33.00	H
2595.00	-18.12	-28.60	10.70	21.18	33.00	H
2652.50	-18.02	-28.60	10.70	21.28	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
2540.00	**-18.01**	**-28.70**	**10.70**	**21.39**	**33.00**	**H**
2595.00	-18.06	-28.60	10.70	21.24	33.00	H
2650.00	-17.95	-28.60	10.70	21.35	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
2542.50	-18.10	-28.70	10.70	21.30	33.00	H
2595.00	-18.21	-28.60	10.70	21.09	33.00	H
2647.50	-18.05	-28.60	10.70	21.25	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
2545.00	-18.29	-28.70	10.70	21.11	33.00	H
2595.00	-18.40	-28.60	10.70	20.90	33.00	H
2645.00	-18.20	-28.60	10.70	21.10	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
2537.50	-18.37	-28.70	10.70	21.03	33.00	H
2595.00	-18.44	-28.60	10.70	20.86	33.00	H
2652.50	-18.36	-28.60	10.70	20.94	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
2540.00	-18.25	-28.70	10.70	21.15	33.00	H
2595.00	-18.36	-28.60	10.70	20.94	33.00	H
2650.00	-18.24	-28.60	10.70	21.06	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
2542.50	-18.36	-28.70	10.70	21.04	33.00	H
2595.00	-18.49	-28.60	10.70	20.81	33.00	H
2647.50	-18.32	-28.60	10.70	20.98	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
2545.00	-18.54	-28.70	10.70	20.86	33.00	H
2595.00	-18.67	-28.60	10.70	20.63	33.00	H
2645.00	-18.48	-28.60	10.70	20.82	33.00	H

LTE Band 41_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2537.50	-19.67	-28.70	10.70	19.73	33.00	H
2595.00	-19.67	-28.60	10.70	19.63	33.00	H
2652.50	-19.60	-28.60	10.70	19.70	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2540.00	-19.54	-28.70	10.70	19.86	33.00	H
2595.00	-19.59	-28.60	10.70	19.71	33.00	H
2650.00	-19.51	-28.60	10.70	19.79	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2542.50	-19.69	-28.70	10.70	19.71	33.00	H
2595.00	-19.74	-28.60	10.70	19.56	33.00	H
2647.50	-19.56	-28.60	10.70	19.74	33.00	H

LTE Band 41_20 MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2545.00	-19.87	-28.70	10.70	19.53	33.00	H
2595.00	-19.90	-28.60	10.70	19.40	33.00	H
2645.00	-19.79	-28.60	10.70	19.51	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.01dBm)-(P_{cl}+P_{Ag}) (-28.70dB)+G_a(10.70dB) =21.39dBm

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	-16.02	-29.60	8.10	21.68	30.00	H
1745.00	-15.87	-29.50	8.10	21.73	30.00	H
1779.30	-16.02	-29.50	8.10	21.58	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	-16.01	-29.60	8.10	21.69	30.00	H
1745.00	-15.86	-29.50	8.10	21.74	30.00	H
1778.50	-15.93	-29.50	8.10	21.67	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	-16.13	-29.60	8.10	21.57	30.00	H
1745.00	-16.00	-29.50	8.10	21.60	30.00	H
1777.50	-16.10	-29.50	8.10	21.50	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	-16.01	-29.60	8.10	21.69	30.00	H
1745.00	**-15.83**	**-29.50**	**8.10**	**21.77**	**30.00**	**H**
1775.00	-15.99	-29.50	8.10	21.61	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	-16.03	-29.60	8.10	21.67	30.00	H
1745.00	-15.87	-29.50	8.10	21.73	30.00	H
1772.53	-16.04	-29.50	8.10	21.56	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	-16.29	-29.60	8.10	21.41	30.00	H
1745.00	-16.09	-29.50	8.10	21.51	30.00	H
1770.00	-16.22	-29.50	8.10	21.38	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	-16.19	-29.60	8.10	21.51	30.00	H
1745.00	-15.97	-29.50	8.10	21.63	30.00	H
1779.30	-16.14	-29.50	8.10	21.46	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	-16.11	-29.60	8.10	21.59	30.00	H
1745.00	-15.84	-29.50	8.10	21.76	30.00	H
1778.50	-15.96	-29.50	8.10	21.64	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	-16.24	-29.60	8.10	21.46	30.00	H
1745.00	-16.01	-29.50	8.10	21.59	30.00	H
1777.50	-16.15	-29.50	8.10	21.45	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	-16.12	-29.60	8.10	21.58	30.00	H
1745.00	-15.96	-29.50	8.10	21.64	30.00	H
1775.00	-16.14	-29.50	8.10	21.46	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	-16.12	-29.60	8.10	21.58	30.00	H
1745.00	-15.89	-29.50	8.10	21.71	30.00	H
1772.53	-16.10	-29.50	8.10	21.50	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	-16.46	-29.60	8.10	21.24	30.00	H
1745.00	-16.10	-29.50	8.10	21.50	30.00	H
1770.00	-16.22	-29.50	8.10	21.38	30.00	H

LTE Band 66_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-17.23	-29.60	8.10	20.47	30.00	H
1745.00	-17.04	-29.50	8.10	20.56	30.00	H
1779.30	-17.08	-29.50	8.10	20.52	30.00	H

LTE Band 66_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-17.15	-29.60	8.10	20.55	30.00	H
1745.00	-17.02	-29.50	8.10	20.58	30.00	H
1778.50	-17.07	-29.50	8.10	20.53	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-17.42	-29.60	8.10	20.28	30.00	H
1745.00	-17.10	-29.50	8.10	20.50	30.00	H
1777.50	-17.28	-29.50	8.10	20.32	30.00	H

LTE Band 66_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.14	-29.60	8.10	20.56	30.00	H
1745.00	-16.98	-29.50	8.10	20.62	30.00	H
1775.00	-17.11	-29.50	8.10	20.49	30.00	H

LTE Band 66_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.23	-29.60	8.10	20.47	30.00	H
1745.00	-16.89	-29.50	8.10	20.71	30.00	H
1772.53	-17.14	-29.50	8.10	20.46	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{Cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-17.50	-29.60	8.10	20.20	30.00	H
1745.00	-17.25	-29.50	8.10	20.35	30.00	H
1770.00	-17.51	-29.50	8.10	20.09	30.00	H

Peak EIRP (dBm)=P_{Mea}(-15.83dBm)-(P_{Cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =21.77dBm

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)/3.58dB(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: ≤33dBm (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	-16.10	-29.30	8.10	21.30	33.00	H
1880.00	-16.10	-29.40	8.10	21.40	33.00	H
1909.30	-16.02	-29.30	8.10	21.38	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	-16.04	-29.30	8.10	21.36	33.00	H
1880.00	-16.09	-29.40	8.10	21.41	33.00	H
1908.50	-15.98	-29.30	8.10	21.42	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	-16.13	-29.30	8.10	21.27	33.00	H
1880.00	-16.16	-29.40	8.10	21.34	33.00	H
1907.50	-16.04	-29.30	8.10	21.36	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	-16.00	-29.30	8.10	21.40	33.00	H
1880.00	-16.08	-29.40	8.10	21.42	33.00	H
1905.00	**-15.95**	**-29.30**	**8.10**	**21.45**	**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	-16.08	-29.30	8.10	21.32	33.00	H
1880.00	-16.09	-29.40	8.10	21.41	33.00	H
1902.50	-15.99	-29.30	8.10	21.41	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	-16.17	-29.30	8.10	21.23	33.00	H
1880.00	-16.31	-29.40	8.10	21.19	33.00	H
1900.00	-16.19	-29.30	8.10	21.21	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	-16.61	-29.30	8.10	20.79	33.00	H
1880.00	-16.50	-29.40	8.10	21.00	33.00	H
1909.30	-16.44	-29.30	8.10	20.96	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	-16.63	-29.30	8.10	20.77	33.00	H
1880.00	-16.59	-29.40	8.10	20.91	33.00	H
1908.50	-16.51	-29.30	8.10	20.89	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	-16.52	-29.30	8.10	20.88	33.00	H
1880.00	-16.63	-29.40	8.10	20.87	33.00	H
1907.50	-16.58	-29.30	8.10	20.82	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	-16.41	-29.30	8.10	20.99	33.00	H
1880.00	-16.50	-29.40	8.10	21.00	33.00	H
1905.00	-16.34	-29.30	8.10	21.06	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	-16.58	-29.30	8.10	20.82	33.00	H
1880.00	-16.52	-29.40	8.10	20.98	33.00	H
1902.50	-16.38	-29.30	8.10	21.02	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	-16.55	-29.30	8.10	20.85	33.00	H
1880.00	-16.67	-29.40	8.10	20.83	33.00	H
1900.00	-16.70	-29.30	8.10	20.70	33.00	H

LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1850.70	-17.77	-29.30	8.10	19.63	33.00	H
1880.00	-17.74	-29.40	8.10	19.76	33.00	H
1909.30	-17.67	-29.30	8.10	19.73	33.00	H

LTE Band 2_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1851.50	-17.66	-29.30	8.10	19.74	33.00	H
1880.00	-17.67	-29.40	8.10	19.83	33.00	H
1908.50	-17.71	-29.30	8.10	19.69	33.00	H

LTE Band 2_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1852.50	-17.72	-29.30	8.10	19.68	33.00	H
1880.00	-17.75	-29.40	8.10	19.75	33.00	H
1907.50	-17.62	-29.30	8.10	19.78	33.00	H

LTE Band 2_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1855.00	-17.75	-29.30	8.10	19.65	33.00	H
1880.00	-17.72	-29.40	8.10	19.78	33.00	H
1905.00	-17.62	-29.30	8.10	19.78	33.00	H

LTE Band 2_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1857.50	-17.84	-29.30	8.10	19.56	33.00	H
1880.00	-17.81	-29.40	8.10	19.69	33.00	H
1902.50	-17.59	-29.30	8.10	19.81	33.00	H

LTE Band 2_20 MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1860.00	-17.83	-29.30	8.10	19.57	33.00	H
1880.00	-17.99	-29.40	8.10	19.51	33.00	H
1900.00	-17.97	-29.30	8.10	19.43	33.00	H

Peak EIRP (dBm)=P_{Mea}(-15.95dBm)-(P_{cl}+P_{Ag})(-29.30dB)+G_a(8.10dB) =21.45dBm

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

Limits: ≤33 dBm (2W)

LTE Band 7_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	**-18.28**	**-28.70**	**10.70**	**21.12**	**33.00**	**H**
2535.00	-18.33	-28.60	10.70	20.97	33.00	H
2567.50	-18.31	-28.60	10.70	20.99	33.00	H

LTE Band 7_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-19.10	-28.70	10.70	20.30	33.00	H
2535.00	-19.12	-28.60	10.70	20.18	33.00	H
2565.00	-19.02	-28.60	10.70	20.28	33.00	H

LTE Band 7_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dB)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-18.35	-28.70	10.70	21.05	33.00	H
2535.00	-18.28	-28.60	10.70	21.02	33.00	H
2562.50	-18.24	-28.60	10.70	21.06	33.00	H

LTE Band 7_20MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-18.55	-28.70	10.70	20.85	33.00	H
2535.00	-18.50	-28.60	10.70	20.80	33.00	H
2560.00	-18.41	-28.60	10.70	20.89	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	-18.99	-28.70	10.70	20.41	33.00	H
2535.00	-19.01	-28.60	10.70	20.29	33.00	H
2567.50	-18.91	-28.60	10.70	20.39	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	-18.95	-28.70	10.70	20.45	33.00	H
2535.00	-18.84	-28.60	10.70	20.46	33.00	H
2565.00	-18.90	-28.60	10.70	20.40	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	-19.08	-28.70	10.70	20.32	33.00	H
2535.00	-19.00	-28.60	10.70	20.30	33.00	H
2562.50	-18.94	-28.60	10.70	20.36	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	-19.17	-28.70	10.70	20.23	33.00	H
2535.00	-19.08	-28.60	10.70	20.22	33.00	H
2560.00	-19.12	-28.60	10.70	20.18	33.00	H

LTE Band 7_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2502.50	-20.03	-28.70	10.70	19.37	33.00	H
2535.00	-19.96	-28.60	10.70	19.34	33.00	H
2567.50	-19.97	-28.60	10.70	19.33	33.00	H

LTE Band 7_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2505.00	-20.04	-28.70	10.70	19.36	33.00	H
2535.00	-20.04	-28.60	10.70	19.26	33.00	H
2565.00	-19.93	-28.60	10.70	19.37	33.00	H

LTE Band 7_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2507.50	-19.98	-28.70	10.70	19.42	33.00	H
2535.00	-19.95	-28.60	10.70	19.35	33.00	H
2562.50	-19.99	-28.60	10.70	19.31	33.00	H

LTE Band 7_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	G_a Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2510.00	-20.30	-28.70	10.70	19.10	33.00	H
2535.00	-20.17	-28.60	10.70	19.13	33.00	H
2560.00	-20.09	-28.60	10.70	19.21	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.28dBm)-(P_{cl}+P_{Ag})(-28.70dB)+G_a(10.70dB) =21.12dBm

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_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-12.54	-34.80	-0.93	2.15	19.18	34.77	V
707.50	-12.39	-34.70	-0.91	2.15	19.25	34.77	V
715.30	-12.68	-34.70	-0.68	2.15	19.19	34.77	V

LTE Band 12_3MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-12.53	-34.80	-0.97	2.15	19.15	34.77	V
707.50	-12.40	-34.70	-0.91	2.15	19.24	34.77	V
714.50	-12.72	-34.70	-0.64	2.15	19.18	34.77	V

LTE Band 12_5MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-12.53	-34.80	-0.97	2.15	19.15	34.77	V
707.50	-12.46	-34.70	-0.91	2.15	19.18	34.77	V
713.50	**-12.57**	**-34.70**	**-0.64**	**2.15**	**19.33**	**34.77**	**V**

LTE Band 12_10MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-12.44	-34.80	-0.97	2.15	19.24	34.77	V
707.50	-12.41	-34.70	-0.91	2.15	19.23	34.77	V
711.00	-12.66	-34.70	-0.64	2.15	19.24	34.77	V

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	-13.17	-34.80	-0.93	2.15	18.55	34.77	V
707.50	-13.03	-34.70	-0.91	2.15	18.61	34.77	V
715.30	-13.27	-34.70	-0.68	2.15	18.60	34.77	V

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	-13.18	-34.80	-0.97	2.15	18.50	34.77	V
707.50	-13.01	-34.70	-0.91	2.15	18.63	34.77	V
714.50	-13.14	-34.70	-0.64	2.15	18.77	34.77	V

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	-13.13	-34.80	-0.97	2.15	18.55	34.77	V
707.50	-13.05	-34.70	-0.91	2.15	18.59	34.77	V
713.50	-13.38	-34.70	-0.64	2.15	18.53	34.77	V

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	-13.04	-34.80	-0.97	2.15	18.64	34.77	V
707.50	-12.96	-34.70	-0.91	2.15	18.68	34.77	V
711.00	-13.38	-34.70	-0.64	2.15	18.53	34.77	V

LTE Band 12_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
699.70	-14.19	-34.80	-0.93	2.15	17.53	34.77	V
707.50	-14.04	-34.70	-0.91	2.15	17.60	34.77	V
715.30	-14.48	-34.70	-0.68	2.15	17.39	34.77	V

LTE Band 12_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
700.50	-14.24	-34.80	-0.97	2.15	17.44	34.77	V
707.50	-14.10	-34.70	-0.91	2.15	17.54	34.77	V
714.50	-14.30	-34.70	-0.64	2.15	17.61	34.77	V

LTE Band 12_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
701.50	-14.13	-34.80	-0.97	2.15	17.55	34.77	V
707.50	-14.10	-34.70	-0.91	2.15	17.54	34.77	V
713.50	-14.54	-34.70	-0.64	2.15	17.37	34.77	V

LTE Band 12_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
704.00	-14.07	-34.80	-0.97	2.15	17.61	34.77	V
707.50	-13.99	-34.70	-0.91	2.15	17.65	34.77	V
711.00	-14.38	-34.70	-0.64	2.15	17.53	34.77	V

Peak ERP (dBm)=P_{Mea}(-12.57Bm)-(P_{cl}+P_{Ag})(-34.70dB)+G_a(-0.64dB) -2.15dB =19.33dBm

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	-11.49	-33.70	-0.80	2.15	19.26	50.00	H
819.00	-11.51	-33.60	-0.75	2.15	19.19	50.00	H
823.30	-11.43	-33.60	-0.79	2.15	19.23	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	**-11.43**	**-33.70**	**-0.80**	**2.15**	**19.32**	**50.00**	**H**
819.00	-11.41	-33.60	-0.75	2.15	19.29	50.00	H
822.50	-11.37	-33.60	-0.79	2.15	19.29	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	-11.58	-33.70	-0.80	2.15	19.17	50.00	H
819.00	-11.56	-33.60	-0.75	2.15	19.14	50.00	H
821.50	-11.54	-33.60	-0.79	2.15	19.12	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	-11.41	-33.60	-0.80	2.15	19.24	50.00	H
819.00	-11.47	-33.60	-0.75	2.15	19.23	50.00	H
819.00	-11.44	-33.60	-0.79	2.15	19.22	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	-12.16	-33.70	-0.80	2.15	18.59	50.00	H
819.00	-12.17	-33.60	-0.75	2.15	18.53	50.00	H
823.30	-12.13	-33.60	-0.79	2.15	18.53	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	-12.00	-33.70	-0.80	2.15	18.75	50.00	H
819.00	-11.96	-33.60	-0.75	2.15	18.74	50.00	H
822.50	-11.91	-33.60	-0.79	2.15	18.75	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	-12.21	-33.70	-0.80	2.15	18.54	50.00	H
819.00	-12.18	-33.60	-0.75	2.15	18.52	50.00	H
821.50	-12.12	-33.60	-0.79	2.15	18.54	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	-11.99	-33.60	-0.80	2.15	18.66	50.00	H
819.00	-12.12	-33.60	-0.75	2.15	18.58	50.00	H
819.00	-11.99	-33.60	-0.79	2.15	18.67	50.00	H

LTE band 26(814MHz-824MHz)_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-13.14	-33.70	-0.80	2.15	17.61	50.00	H
819.00	-13.09	-33.60	-0.75	2.15	17.61	50.00	H
823.30	-13.17	-33.60	-0.79	2.15	17.49	50.00	H

LTE band 26(814MHz-824MHz)_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-13.04	-33.70	-0.80	2.15	17.71	50.00	H
819.00	-12.96	-33.60	-0.75	2.15	17.74	50.00	H
822.50	-12.94	-33.60	-0.79	2.15	17.72	50.00	H

LTE band 26(814MHz-824MHz)_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-13.22	-33.70	-0.80	2.15	17.53	50.00	H
819.00	-13.32	-33.60	-0.75	2.15	17.38	50.00	H
821.50	-13.25	-33.60	-0.79	2.15	17.41	50.00	H

LTE band 26(814MHz-824MHz)_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-12.90	-33.60	-0.80	2.15	17.75	50.00	H
819.00	-12.92	-33.60	-0.75	2.15	17.78	50.00	H
819.00	-12.98	-33.60	-0.79	2.15	17.68	50.00	H

Peak ERP (dBm)=P_{Mea}(-11.43dBm)-(P_{cl}+P_{Ag})(-33.70dB)+G_a(-0.80dB) -2.15 =19.32dBm

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_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-11.40	-33.60	-0.79	2.15	19.26	38.45	H
836.50	-11.38	-33.50	-0.74	2.15	19.23	38.45	H
848.30	-11.42	-33.50	-0.73	2.15	19.20	38.45	H

LTE band 26(824MHz-849MHz)_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	-11.37	-33.60	-0.79	2.15	19.29	38.45	H
836.50	**-11.31**	**-33.50**	**-0.74**	**2.15**	**19.30**	**38.45**	**H**
847.50	-11.34	-33.50	-0.73	2.15	19.28	38.45	H

LTE band 26(824MHz-849MHz)_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	-11.56	-33.60	-0.79	2.15	19.10	38.45	H
836.50	-11.54	-33.50	-0.74	2.15	19.07	38.45	H
846.50	-11.52	-33.50	-0.73	2.15	19.10	38.45	H

LTE band 26(824MHz-849MHz)_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	-11.50	-33.60	-0.79	2.15	19.16	38.45	H
836.50	-11.48	-33.50	-0.74	2.15	19.13	38.45	H
844.00	-11.48	-33.50	-0.73	2.15	19.14	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_QPSK

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-11.61	-33.60	-0.79	2.15	19.05	38.45	H
836.50	-11.53	-33.50	-0.74	2.15	19.08	38.45	H
841.50	-11.54	-33.50	-0.73	2.15	19.08	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	-12.01	-33.60	-0.79	2.15	18.65	38.45	H
836.50	-12.10	-33.50	-0.74	2.15	18.51	38.45	H
848.30	-12.11	-33.50	-0.73	2.15	18.51	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	-11.87	-33.60	-0.79	2.15	18.79	38.45	H
836.50	-11.93	-33.50	-0.74	2.15	18.68	38.45	H
847.50	-11.98	-33.50	-0.73	2.15	18.64	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	-12.13	-33.60	-0.79	2.15	18.53	38.45	H
836.50	-12.11	-33.50	-0.74	2.15	18.50	38.45	H
846.50	-12.09	-33.50	-0.73	2.15	18.53	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	-12.21	-33.60	-0.79	2.15	18.45	38.45	H
836.50	-12.07	-33.50	-0.74	2.15	18.54	38.45	H
844.00	-12.02	-33.50	-0.73	2.15	18.60	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	-12.28	-33.60	-0.79	2.15	18.38	38.45	H
836.50	-12.22	-33.50	-0.74	2.15	18.39	38.45	H
841.50	-12.16	-33.50	-0.73	2.15	18.46	38.45	H

LTE band 26(824MHz-849MHz)_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-13.07	-33.60	-0.79	2.15	17.59	38.45	H
836.50	-12.97	-33.50	-0.74	2.15	17.64	38.45	H
848.30	-13.08	-33.50	-0.73	2.15	17.54	38.45	H

LTE band 26(824MHz-849MHz)_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-12.97	-33.60	-0.79	2.15	17.69	38.45	H
836.50	-12.91	-33.50	-0.74	2.15	17.70	38.45	H
847.50	-12.91	-33.50	-0.73	2.15	17.71	38.45	H

LTE band 26(824MHz-849MHz)_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-13.15	-33.60	-0.79	2.15	17.51	38.45	H
836.50	-13.29	-33.50	-0.74	2.15	17.32	38.45	H
846.50	-13.20	-33.50	-0.73	2.15	17.42	38.45	H

LTE band 26(824MHz-849MHz)_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-13.03	-33.60	-0.79	2.15	17.63	38.45	H
836.50	-12.99	-33.50	-0.74	2.15	17.62	38.45	H
844.00	-13.03	-33.50	-0.73	2.15	17.59	38.45	H

LTE band 26(824MHz-849MHz)_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-13.23	-33.60	-0.79	2.15	17.43	38.45	H
836.50	-13.19	-33.50	-0.74	2.15	17.42	38.45	H
841.50	-13.24	-33.50	-0.73	2.15	17.38	38.45	H

Peak ERP (dBm)=P_{Mea}(-11.31dBm)-(P_{cl}+P_{Ag})(-33.50dB)+G_a(-0.74dB) -2.15=19.30dBm

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

Limits: ≤33dBm (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
2537.50	-18.32	-28.70	10.70	21.08	33.00	H
2595.00	-18.30	-28.60	10.70	21.00	33.00	H
2652.50	-18.22	-28.60	10.70	21.08	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
2540.00	-18.23	-28.70	10.70	21.17	33.00	H
2595.00	-18.22	-28.60	10.70	21.08	33.00	H
2650.00	**-18.12**	**-28.60**	**10.70**	**21.18**	**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
2542.50	-18.31	-28.70	10.70	21.09	33.00	H
2595.00	-18.35	-28.60	10.70	20.95	33.00	H
2647.50	-18.21	-28.60	10.70	21.09	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
2545.00	-18.50	-28.70	10.70	20.90	33.00	H
2595.00	-18.55	-28.60	10.70	20.75	33.00	H
2645.00	-18.36	-28.60	10.70	20.94	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
2537.50	-19.12	-28.70	10.70	20.28	33.00	H
2595.00	-19.10	-28.60	10.70	20.20	33.00	H
2652.50	-19.08	-28.60	10.70	20.22	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
2540.00	-19.02	-28.70	10.70	20.38	33.00	H
2595.00	-19.05	-28.60	10.70	20.25	33.00	H
2650.00	-18.97	-28.60	10.70	20.33	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
2542.50	-19.11	-28.70	10.70	20.29	33.00	H
2595.00	-19.18	-28.60	10.70	20.12	33.00	H
2647.50	-19.07	-28.60	10.70	20.23	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
2545.00	-19.31	-28.70	10.70	20.09	33.00	H
2595.00	-19.37	-28.60	10.70	19.93	33.00	H
2645.00	-19.22	-28.60	10.70	20.08	33.00	H

LTE Band 41_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2537.50	-20.38	-28.70	10.70	19.02	33.00	H
2595.00	-20.36	-28.60	10.70	18.94	33.00	H
2652.50	-20.31	-28.60	10.70	18.99	33.00	H

LTE Band 41_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2540.00	-20.32	-28.70	10.70	19.08	33.00	H
2595.00	-20.35	-28.60	10.70	18.95	33.00	H
2650.00	-20.21	-28.60	10.70	19.09	33.00	H

LTE Band 41_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2542.50	-20.40	-28.70	10.70	19.00	33.00	H
2595.00	-20.41	-28.60	10.70	18.89	33.00	H
2647.50	-20.22	-28.60	10.70	19.08	33.00	H

LTE Band 41_20 MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2545.00	-20.60	-28.70	10.70	18.80	33.00	H
2595.00	-20.63	-28.60	10.70	18.67	33.00	H
2645.00	-20.47	-28.60	10.70	18.83	33.00	H

Peak EIRP (dBm)=P_{Mea}(-18.12dBm)-(P_{cl}+P_{Ag}) (-28.60dB)+G_a(10.70dB) =21.18dBm

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	-16.27	-29.60	8.10	21.43	30.00	H
1745.00	-16.13	-29.50	8.10	21.47	30.00	H
1779.30	-16.20	-29.50	8.10	21.40	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	-16.20	-29.60	8.10	21.50	30.00	H
1745.00	**-16.05**	**-29.50**	**8.10**	**21.55**	**30.00**	**H**
1778.50	-16.16	-29.50	8.10	21.44	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	-16.35	-29.60	8.10	21.35	30.00	H
1745.00	-16.20	-29.50	8.10	21.40	30.00	H
1777.50	-16.31	-29.50	8.10	21.29	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	-16.21	-29.60	8.10	21.49	30.00	H
1745.00	-16.06	-29.50	8.10	21.54	30.00	H
1775.00	-16.17	-29.50	8.10	21.43	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	-16.27	-29.60	8.10	21.43	30.00	H
1745.00	-16.08	-29.50	8.10	21.52	30.00	H
1772.53	-16.26	-29.50	8.10	21.34	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	-16.50	-29.60	8.10	21.20	30.00	H
1745.00	-16.29	-29.50	8.10	21.31	30.00	H
1770.00	-16.44	-29.50	8.10	21.16	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	-16.92	-29.60	8.10	20.78	30.00	H
1745.00	-16.74	-29.50	8.10	20.86	30.00	H
1779.30	-16.85	-29.50	8.10	20.75	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	-16.82	-29.60	8.10	20.88	30.00	H
1745.00	-16.69	-29.50	8.10	20.91	30.00	H
1778.50	-16.78	-29.50	8.10	20.82	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	-16.94	-29.60	8.10	20.76	30.00	H
1745.00	-16.72	-29.50	8.10	20.88	30.00	H
1777.50	-16.91	-29.50	8.10	20.69	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	-16.97	-29.60	8.10	20.73	30.00	H
1745.00	-16.67	-29.50	8.10	20.93	30.00	H
1775.00	-16.77	-29.50	8.10	20.83	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	-16.86	-29.60	8.10	20.84	30.00	H
1745.00	-16.67	-29.50	8.10	20.93	30.00	H
1772.53	-16.84	-29.50	8.10	20.76	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	-16.98	-29.60	8.10	20.72	30.00	H
1745.00	-16.85	-29.50	8.10	20.75	30.00	H
1770.00	-16.98	-29.50	8.10	20.62	30.00	H

LTE Band 66_1.4MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-18.06	-29.60	8.10	19.64	30.00	H
1745.00	-17.81	-29.50	8.10	19.79	30.00	H
1779.30	-17.87	-29.50	8.10	19.73	30.00	H

LTE Band 66_3MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-17.88	-29.60	8.10	19.82	30.00	H
1745.00	-17.66	-29.50	8.10	19.94	30.00	H
1778.50	-17.99	-29.50	8.10	19.61	30.00	H

LTE Band 66_5MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-18.06	-29.60	8.10	19.64	30.00	H
1745.00	-17.84	-29.50	8.10	19.76	30.00	H
1777.50	-17.93	-29.50	8.10	19.67	30.00	H

LTE Band 66_10MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-17.93	-29.60	8.10	19.77	30.00	H
1745.00	-17.70	-29.50	8.10	19.90	30.00	H
1775.00	-17.84	-29.50	8.10	19.76	30.00	H

LTE Band 66_15MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-17.92	-29.60	8.10	19.78	30.00	H
1745.00	-17.77	-29.50	8.10	19.83	30.00	H
1772.53	-17.90	-29.50	8.10	19.70	30.00	H

LTE Band 66_20MHz_64QAM

Frequency(MHz)	P_{Mea}(dBm)	P_{cl}(dB)+ P_{Ag}(dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-18.18	-29.60	8.10	19.52	30.00	H
1745.00	-17.92	-29.50	8.10	19.68	30.00	H
1770.00	-18.10	-29.50	8.10	19.50	30.00	H

Peak EIRP (dBm)=P_{Mea}(-16.05dBm)-(P_{cl}+P_{Ag})(-29.50dB)+G_a(8.10dB) =21.55dBm

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)/3.58dB(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.

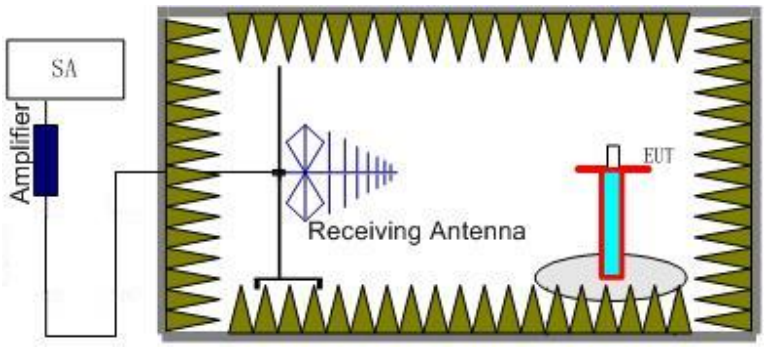
A.2.1 Measurement Method

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

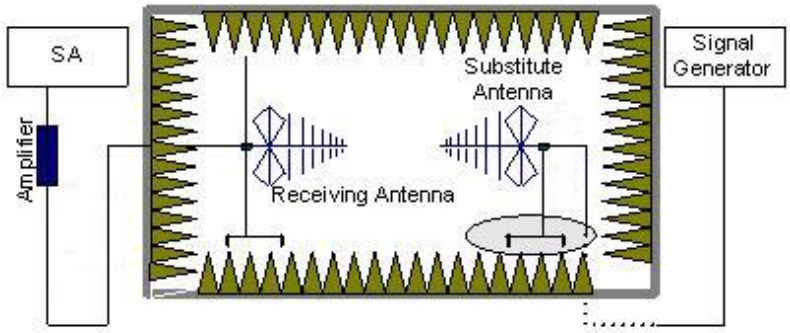
The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz as outlined in Part 22.917, 24.238, 27.53(h) and 90.691. The spectrum was scanned with the mobile station transmitting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

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:
   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 -2.15dB.

A.2.2 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the LTE Bands 2,7,12,26, 41,66. 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 2,7,12,26, 41,66 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.

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
2134.92	-49.08	0.90	9.80	-40.18	-13.00	V
2980.50	-52.95	1.00	10.70	-43.25	-13.00	H
3824.67	-55.98	1.20	12.20	-44.98	-13.00	H
6206.28	-52.01	1.60	13.10	-40.51	-13.00	V
12341.23	-55.91	2.60	12.60	-45.91	-13.00	V
16957.55	-55.28	2.90	16.50	-41.68	-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
2995.50	-53.07	1.00	10.70	-43.37	-13.00	H
3874.83	-55.79	1.20	12.20	-44.79	-13.00	H
4881.00	-54.44	1.40	12.50	-43.34	-13.00	V
6154.80	-52.14	1.60	13.10	-40.64	-13.00	H
12409.76	-56.64	2.60	12.60	-46.64	-13.00	H
16987.08	-55.33	2.90	16.50	-41.73	-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
2993.50	-52.90	1.00	10.70	-43.20	-13.00	H
3778.80	-55.32	1.10	12.20	-44.22	-13.00	H
4868.46	-54.87	1.40	12.50	-43.77	-13.00	H
6101.34	-52.03	1.60	13.10	-40.53	-13.00	H
13873.17	-55.88	2.20	12.40	-45.68	-13.00	V
17034.00	-53.69	2.90	14.50	-42.09	-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
2169.75	-47.33	0.90	9.80	-38.43	-13.00	H
2911.00	-51.84	1.00	10.70	-42.14	-13.00	V
4311.09	-54.34	1.20	12.40	-43.14	-13.00	H
6194.40	-51.40	1.60	13.10	-39.90	-13.00	V
13562.11	-54.44	2.40	12.40	-44.44	-13.00	H
16934.25	-54.69	2.90	16.50	-41.09	-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
2561.50	-51.90	1.00	10.70	-42.20	-13.00	H
2997.50	-51.09	1.00	10.70	-41.39	-13.00	V
4425.93	-54.50	1.30	12.40	-43.40	-13.00	H
6135.66	-50.86	1.60	13.10	-39.36	-13.00	V
14920.22	-52.31	2.70	11.20	-43.81	-13.00	V
17013.00	-52.66	2.90	14.50	-41.06	-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
2926.50	-52.51	1.00	10.70	-42.81	-13.00	H
4325.61	-55.33	1.30	12.40	-44.23	-13.00	H
5090.22	-55.08	1.20	12.50	-43.78	-13.00	V
6184.50	-51.24	1.60	13.10	-39.74	-13.00	V
11971.57	-54.93	2.60	11.00	-46.53	-13.00	V
16892.91	-55.47	2.90	16.50	-41.87	-13.00	V

LTE Band 2, 1.4MHz, 64QAM, Channel 18607

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2158.75	-48.56	0.90	9.80	-39.66	-13.00	V
2984.50	-51.33	1.00	10.70	-41.63	-13.00	H
4666.50	-54.41	1.30	12.50	-43.21	-13.00	H
6198.69	-51.65	1.60	13.10	-40.15	-13.00	H
14267.25	-53.83	2.60	11.90	-44.53	-13.00	V
16877.16	-55.11	2.90	16.50	-41.51	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 18900

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2180.29	-48.10	0.90	9.80	-39.20	-13.00	H
2929.00	-50.95	1.00	10.70	-41.25	-13.00	H
3807.51	-54.94	1.20	12.20	-43.94	-13.00	H
6147.54	-51.70	1.60	13.10	-40.20	-13.00	H
13022.34	-55.08	2.50	13.30	-44.28	-13.00	V
17007.09	-52.86	2.90	14.50	-41.26	-13.00	V

LTE Band 2, 1.4MHz, 64QAM, Channel 19193

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2183.50	-48.58	0.90	9.80	-39.68	-13.00	H
2951.50	-51.98	1.00	10.70	-42.28	-13.00	H
3786.06	-54.94	1.10	12.20	-43.84	-13.00	H
6218.49	-51.46	1.60	13.10	-39.96	-13.00	V
13506.00	-54.80	2.50	12.40	-44.90	-13.00	V
16885.36	-54.63	2.90	16.50	-41.03	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
3568.00	-52.46	1.20	12.20	-41.46	-25.00	V
3866.25	-55.27	1.20	12.20	-44.27	-25.00	V
4889.58	-54.46	1.40	12.50	-43.36	-25.00	H
6181.86	-52.03	1.60	13.10	-40.53	-25.00	V
14454.61	-54.08	2.60	11.90	-44.78	-25.00	H
16825.31	-55.26	2.90	16.50	-41.66	-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
3755.70	-55.47	1.10	12.20	-44.37	-25.00	V
4655.94	-53.99	1.30	12.50	-42.79	-25.00	H
5388.87	-53.87	1.20	12.50	-42.57	-25.00	V
6163.38	-51.69	1.60	13.10	-40.19	-25.00	V
8690.13	-59.11	2.00	12.00	-49.11	-25.00	V
17010.05	-53.14	2.90	14.50	-41.54	-25.00	V

LTE Band 7, 5 MHz, QPSK, Channel 21425

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3465.00	-52.17	1.10	11.50	-41.77	-25.00	V
3759.33	-55.52	1.10	12.20	-44.42	-25.00	V
4310.76	-54.87	1.20	12.40	-43.67	-25.00	V
6242.91	-51.49	1.60	13.10	-39.99	-25.00	H
14406.70	-54.13	2.60	11.90	-44.83	-25.00	V
17014.31	-53.46	2.90	14.50	-41.86	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3468.00	-52.17	1.10	11.50	-41.77	-25.00	H
4350.69	-54.95	1.30	12.40	-43.85	-25.00	V
5473.68	-53.12	1.30	12.50	-41.92	-25.00	H
6194.07	-51.58	1.60	13.10	-40.08	-25.00	H
13728.47	-54.86	2.50	12.40	-44.96	-25.00	H
16939.50	-55.34	2.90	16.50	-41.74	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3810.50	-53.02	1.20	12.20	-42.02	-25.00	H
4511.07	-54.31	1.20	12.50	-43.01	-25.00	V
5417.58	-53.88	1.20	12.50	-42.58	-25.00	V
6190.77	-51.75	1.60	13.10	-40.25	-25.00	V
13462.36	-55.21	2.50	13.30	-44.41	-25.00	H
16975.59	-54.27	2.90	16.50	-40.67	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3649.50	-52.33	1.20	12.20	-41.33	-25.00	V
3822.36	-55.79	1.20	12.20	-44.79	-25.00	H
4609.41	-54.37	1.30	12.50	-43.17	-25.00	H
6065.04	-51.97	1.60	13.10	-40.47	-25.00	H
12916.36	-56.60	2.50	13.80	-45.30	-25.00	V
16913.91	-55.09	2.90	16.50	-41.49	-25.00	V

LTE Band 7, 5 MHz, 64QAM, Channel 20775

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3450.50	-52.20	1.10	11.50	-41.80	-25.00	V
3760.98	-55.38	1.10	12.20	-44.28	-25.00	V
4570.14	-54.92	1.30	12.50	-43.72	-25.00	V
6156.45	-50.79	1.60	13.10	-39.29	-25.00	V
13419.05	-55.82	2.30	13.30	-44.82	-25.00	H
17001.19	-52.40	2.90	14.50	-40.80	-25.00	V

LTE Band 7, 5 MHz, 64QAM, Channel 21100

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3974.00	-52.29	1.20	12.20	-41.29	-25.00	H
4274.79	-54.66	1.20	12.40	-43.46	-25.00	V
5160.51	-54.39	1.30	12.50	-43.19	-25.00	V
6200.01	-51.22	1.60	13.10	-39.72	-25.00	V
12356.15	-55.41	2.60	12.60	-45.41	-25.00	H
16998.89	-55.11	2.90	16.50	-41.51	-25.00	H

LTE Band 7, 5 MHz, 64QAM, Channel 21425

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3592.68	-55.46	1.10	12.20	-44.36	-25.00	H
4299.87	-55.19	1.20	12.40	-43.99	-25.00	H
4947.33	-53.49	1.30	12.50	-42.29	-25.00	V
6201.33	-51.40	1.60	13.10	-39.90	-25.00	V
14059.55	-54.33	2.50	11.90	-44.93	-25.00	H
17004.47	-53.45	2.90	14.50	-41.85	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
1980.00	-46.95	0.80	8.10	-41.80	-13.00	V
2186.71	-48.01	0.90	9.80	-41.26	-13.00	V
2988.00	-51.46	1.00	10.70	-43.91	-13.00	V
3732.93	-54.10	1.10	12.20	-45.15	-13.00	V
6149.85	-51.12	1.60	13.10	-41.77	-13.00	V
7507.36	-58.97	1.90	11.30	-51.72	-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
1854.88	-47.02	0.80	8.10	-41.87	-13.00	V
2014.38	-48.04	0.80	9.80	-41.19	-13.00	H
2960.00	-51.32	1.00	10.70	-43.77	-13.00	V
4840.74	-54.23	1.30	12.50	-45.18	-13.00	H
6206.61	-51.41	1.60	13.10	-42.06	-13.00	V
8745.24	-59.02	2.00	12.00	-51.17	-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
1226.96	-50.55	0.70	6.00	-47.40	-13.00	H
1990.54	-47.14	0.80	8.10	-41.99	-13.00	V
2134.46	-48.26	0.90	9.80	-41.51	-13.00	H
2910.50	-51.51	1.00	10.70	-43.96	-13.00	V
4620.30	-53.35	1.30	12.50	-44.30	-13.00	V
6165.36	-51.50	1.60	13.10	-42.15	-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
1963.96	-46.92	0.80	8.10	-41.77	-13.00	V
2164.25	-47.42	0.90	9.80	-40.67	-13.00	H
2407.50	-46.09	0.90	9.80	-39.34	-13.00	V
2984.00	-51.88	1.00	10.70	-44.33	-13.00	H
4297.23	-55.52	1.20	12.40	-46.47	-13.00	V
6184.83	-51.78	1.60	13.10	-42.43	-13.00	H

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1973.58	-47.35	0.80	8.10	-42.20	-13.00	V
2019.88	-48.59	0.80	9.80	-41.74	-13.00	H
2928.50	-50.90	1.00	10.70	-43.35	-13.00	H
3809.49	-55.41	1.20	12.20	-46.56	-13.00	V
4542.75	-54.70	1.30	12.50	-45.65	-13.00	V
6076.59	-51.62	1.60	13.10	-42.27	-13.00	H

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

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1985.50	-47.34	0.80	8.10	-42.19	-13.00	H
2130.79	-48.39	0.90	9.80	-41.64	-13.00	H
2996.50	-50.79	1.00	10.70	-43.24	-13.00	V
3772.53	-54.75	1.10	12.20	-45.80	-13.00	V
4809.06	-54.26	1.30	12.50	-45.21	-13.00	H
6196.38	-50.55	1.60	13.10	-41.20	-13.00	H

LTE Band 12, 1.4MHz, 64QAM, Channel 23017

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1988.71	-47.29	0.80	8.10	-42.14	-13.00	V
2104.67	-48.12	0.90	9.80	-41.37	-13.00	H
2940.00	-51.24	1.00	10.70	-43.69	-13.00	H
3749.76	-55.16	1.10	12.20	-46.21	-13.00	H
4936.11	-54.23	1.30	12.50	-45.18	-13.00	V
6212.22	-51.78	1.60	13.10	-42.43	-13.00	V

LTE Band 12, 1.4MHz 64QAM, Channel 23095

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1697.38	-51.28	0.80	8.10	-46.13	-13.00	V
1985.50	-46.94	0.80	8.10	-41.79	-13.00	V
2126.67	-47.96	0.90	9.80	-41.21	-13.00	H
2898.00	-51.33	1.00	10.70	-43.78	-13.00	H
4920.27	-54.03	1.30	12.50	-44.98	-13.00	V
6205.62	-51.09	1.60	13.10	-41.74	-13.00	H

LTE Band 12, 1.4MHz, 64QAM, Channel 23173

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1970.83	-46.98	0.80	8.10	-41.83	-13.00	V
2116.13	-45.36	0.90	9.80	-38.61	-13.00	H
2966.00	-51.45	1.00	10.70	-43.90	-13.00	V
3828.63	-55.14	1.20	12.20	-46.29	-13.00	V
4966.80	-53.17	1.30	12.50	-44.12	-13.00	H
6237.30	-51.80	1.60	13.10	-42.45	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
1736.13	-53.24	0.80	8.10	-48.09	-13.00	H
1990.54	-46.69	0.80	8.10	-41.54	-13.00	V
2124.83	-41.79	0.90	9.80	-35.04	-13.00	H
2982.00	-51.30	1.00	10.70	-43.75	-13.00	V
4684.65	-54.24	1.30	12.50	-45.19	-13.00	V
6195.72	-51.68	1.60	13.10	-42.33	-13.00	V

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
1985.96	-46.55	0.80	8.10	-41.40	-13.00	V
2119.33	-48.12	0.90	9.80	-41.37	-13.00	V
2995.00	-51.27	1.00	10.70	-43.72	-13.00	V
3664.95	-55.16	1.20	12.20	-46.31	-13.00	H
4865.16	-54.55	1.30	12.50	-45.50	-13.00	V
6196.71	-52.09	1.60	13.10	-42.74	-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
1980.46	-47.16	0.80	8.10	-42.01	-13.00	H
2114.75	-48.63	0.90	9.80	-41.88	-13.00	V
2937.00	-50.92	1.00	10.70	-43.37	-13.00	H
3773.19	-55.86	1.10	12.20	-46.91	-13.00	H
4746.03	-54.56	1.30	12.50	-45.51	-13.00	V
6162.39	-51.63	1.60	13.10	-42.28	-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
1963.96	-47.32	0.80	8.10	-42.17	-13.00	V
2011.17	-48.45	0.80	9.80	-41.60	-13.00	H
2959.50	-50.66	1.00	10.70	-43.11	-13.00	V
3805.86	-54.80	1.20	12.20	-45.95	-13.00	H
4857.90	-53.60	1.30	12.50	-44.55	-13.00	H
6155.13	-51.66	1.60	13.10	-42.31	-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
1509.29	-51.62	0.70	8.10	-46.37	-13.00	V
1967.63	-47.09	0.80	8.10	-41.94	-13.00	H
2189.92	-48.23	0.90	9.80	-41.48	-13.00	V
2968.00	-51.19	1.00	10.70	-43.64	-13.00	H
4873.08	-54.04	1.40	12.50	-45.09	-13.00	H
6203.31	-51.20	1.60	13.10	-41.85	-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
1990.08	-46.86	0.80	8.10	-41.71	-13.00	V
2130.33	-48.12	0.90	9.80	-41.37	-13.00	H
2993.50	-51.49	1.00	10.70	-43.94	-13.00	V
3793.98	-54.87	1.20	12.20	-46.02	-13.00	H
4853.94	-54.23	1.30	12.50	-45.18	-13.00	H
6255.12	-51.68	1.60	13.10	-42.33	-13.00	V

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26783

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1519.83	-50.68	0.70	8.10	-45.43	-13.00	V
1993.29	-46.11	0.80	8.10	-40.96	-13.00	H
2121.17	-48.33	0.90	9.80	-41.58	-13.00	V
2916.00	-52.07	1.00	10.70	-44.52	-13.00	H
4904.10	-54.21	1.40	12.50	-45.26	-13.00	V
6186.81	-51.46	1.60	13.10	-42.11	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26740

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1969.92	-47.36	0.80	8.10	-42.21	-13.00	H
2128.96	-48.08	0.90	9.80	-41.33	-13.00	V
2924.00	-50.51	1.00	10.70	-42.96	-13.00	H
3893.97	-55.27	1.20	12.20	-46.42	-13.00	V
4812.69	-54.47	1.30	12.50	-45.42	-13.00	V
6266.67	-52.13	1.60	13.10	-42.78	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26697

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1990.54	-46.94	0.80	8.10	-41.79	-13.00	V
2087.25	-48.16	0.80	9.80	-41.31	-13.00	H
2988.00	-51.51	1.00	10.70	-43.96	-13.00	H
3260.04	-54.28	1.10	11.50	-46.03	-13.00	H
4282.71	-54.42	1.20	12.40	-45.37	-13.00	V
6158.76	-51.43	1.60	13.10	-42.08	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
1798.75	-51.19	0.80	8.10	-46.04	-13.00	V
1991.92	-46.99	0.80	8.10	-41.84	-13.00	H
2081.29	-47.81	0.80	9.80	-40.96	-13.00	H
2997.50	-51.20	1.00	10.70	-43.65	-13.00	H
4807.74	-54.55	1.30	12.50	-45.50	-13.00	V
6198.36	-51.06	1.60	13.10	-41.71	-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
1982.29	-46.33	0.80	8.10	-41.18	-13.00	V
2082.67	-48.11	0.80	9.80	-41.26	-13.00	V
2998.00	-51.88	1.00	10.70	-44.33	-13.00	V
3848.43	-55.00	1.20	12.20	-46.15	-13.00	H
4868.79	-53.96	1.40	12.50	-45.01	-13.00	V
6159.09	-51.65	1.60	13.10	-42.30	-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
1973.58	-47.40	0.80	8.10	-42.25	-13.00	V
2031.33	-48.71	0.80	9.80	-41.86	-13.00	V
2942.50	-51.50	1.00	10.70	-43.95	-13.00	H
3846.12	-54.86	1.20	12.20	-46.01	-13.00	H
5005.41	-54.18	1.30	12.50	-45.13	-13.00	V
6156.12	-51.27	1.60	13.10	-41.92	-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
1634.42	-49.62	0.80	8.10	-44.47	-13.00	V
1996.96	-46.60	0.80	8.10	-41.45	-13.00	V
2196.96	-50.43	0.90	9.80	-43.68	-13.00	V
2983.00	-51.59	1.00	10.70	-44.04	-13.00	H
4908.72	-54.64	1.40	12.50	-45.69	-13.00	H
6163.71	-51.59	1.60	13.10	-42.24	-13.00	V

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
1779.04	-52.26	0.80	8.10	-47.11	-13.00	H
1964.42	-47.35	0.80	8.10	-42.20	-13.00	V
2167.00	-49.25	0.90	9.80	-42.50	-13.00	H
2963.00	-51.12	1.00	10.70	-43.57	-13.00	V
3873.18	-55.81	1.20	12.20	-46.96	-13.00	H
6157.77	-51.22	1.60	13.10	-41.87	-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
1971.75	-47.38	0.80	8.10	-42.23	-13.00	V
2035.92	-48.65	0.80	9.80	-41.80	-13.00	H
2973.00	-51.47	1.00	10.70	-43.92	-13.00	H
3834.24	-55.02	1.20	12.20	-46.17	-13.00	H
4739.76	-54.61	1.30	12.50	-45.56	-13.00	H
6241.92	-51.23	1.60	13.10	-41.88	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 27033

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1985.04	-47.12	0.80	8.10	-41.97	-13.00	V
2171.13	-47.71	0.90	9.80	-40.96	-13.00	H
2996.50	-50.87	1.00	10.70	-43.32	-13.00	V
3481.80	-54.48	1.10	11.50	-46.23	-13.00	H
4874.07	-54.58	1.40	12.50	-45.63	-13.00	V
6199.68	-51.94	1.60	13.10	-42.59	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26915

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1978.63	-47.23	0.80	8.10	-42.08	-13.00	H
2073.04	-48.07	0.80	9.80	-41.22	-13.00	H
2999.50	-51.47	1.00	10.70	-43.92	-13.00	V
3739.20	-54.89	1.10	12.20	-45.94	-13.00	V
4903.77	-53.90	1.40	12.50	-44.95	-13.00	H
6285.48	-50.65	1.60	13.10	-41.30	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26797

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1976.79	-47.35	0.80	8.10	-42.20	-13.00	V
2160.58	-48.25	0.90	9.80	-41.50	-13.00	V
2913.50	-50.75	1.00	10.70	-43.20	-13.00	H
3759.66	-55.09	1.10	12.20	-46.14	-13.00	V
4900.47	-53.90	1.40	12.50	-44.95	-13.00	H
6165.36	-51.33	1.60	13.10	-41.98	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
3868.56	-54.66	1.20	12.20	-43.66	-25.00	V
4427.91	-55.27	1.30	12.40	-44.17	-25.00	H
4885.29	-54.19	1.40	12.50	-43.09	-25.00	H
6194.07	-51.70	1.60	13.10	-40.20	-25.00	V
13572.94	-54.84	2.40	12.40	-44.84	-25.00	H
16933.92	-54.76	2.90	16.50	-41.16	-25.00	V

LTE Band 41, 5MHz, QPSK, Channel 40690

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3289.41	-54.99	1.10	11.50	-44.59	-25.00	V
4419.00	-54.59	1.30	12.40	-43.49	-25.00	H
5457.51	-53.33	1.30	12.50	-42.13	-25.00	V
6181.20	-51.87	1.60	13.10	-40.37	-25.00	H
13581.47	-55.26	2.40	12.40	-45.26	-25.00	H
16957.22	-55.55	2.90	16.50	-41.95	-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
3635.91	-55.21	1.20	12.20	-44.21	-25.00	H
4306.47	-54.29	1.20	12.40	-43.09	-25.00	H
4950.63	-54.88	1.30	12.50	-43.68	-25.00	V
6202.32	-51.62	1.60	13.10	-40.12	-25.00	V
13594.59	-54.42	2.40	12.40	-44.42	-25.00	H
16878.47	-55.06	2.90	16.50	-41.46	-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
3779.13	-55.08	1.10	12.20	-43.98	-25.00	H
4404.15	-55.26	1.30	12.40	-44.16	-25.00	H
5430.45	-53.54	1.30	12.50	-42.34	-25.00	H
6167.34	-51.72	1.60	13.10	-40.22	-25.00	H
13612.64	-54.35	2.40	12.40	-44.35	-25.00	H
16996.92	-54.08	2.90	16.50	-40.48	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3865.92	-62.26	1.20	12.20	-51.26	-25.00	H
4656.27	-60.50	1.30	12.50	-49.30	-25.00	H
5190.54	-51.10	1.60	12.50	-40.20	-25.00	H
6168.00	-57.42	1.60	13.10	-45.92	-25.00	H
13584.42	-54.56	2.40	12.40	-44.56	-25.00	V
16918.17	-54.95	2.90	16.50	-41.35	-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
3836.55	-61.74	1.20	12.20	-50.74	-25.00	H
4632.18	-60.76	1.30	12.50	-49.56	-25.00	H
5303.40	-51.21	1.60	12.50	-40.31	-25.00	H
6166.02	-57.63	1.60	13.10	-46.13	-25.00	V
13612.97	-54.77	2.40	12.40	-44.77	-25.00	H
16954.27	-55.67	2.90	16.50	-42.07	-25.00	H

LTE Band 41, 5MHz, 64QAM, Channel 40165

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3840.18	-62.62	1.20	12.20	-51.62	-25.00	H
4383.03	-61.35	1.30	12.40	-50.25	-25.00	H
5072.73	-55.81	1.20	12.50	-44.51	-25.00	H
6178.23	-57.27	1.60	13.10	-45.77	-25.00	H
12040.10	-55.52	2.70	12.60	-45.62	-25.00	V
16864.69	-55.29	2.90	16.50	-41.69	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 40690

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3843.48	-61.66	1.20	12.20	-50.66	-25.00	H
4463.55	-60.98	1.20	12.40	-49.78	-25.00	V
5185.92	-50.68	1.60	12.50	-39.78	-25.00	H
6170.97	-57.50	1.60	13.10	-46.00	-25.00	H
12930.14	-56.63	2.50	13.80	-45.33	-25.00	H
16855.50	-55.01	2.90	16.50	-41.41	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 41215

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3812.46	-61.65	1.20	12.20	-50.65	-25.00	H
4429.89	-60.31	1.30	12.40	-49.21	-25.00	V
5306.70	-52.07	1.60	12.50	-41.17	-25.00	H
6190.77	-56.99	1.60	13.10	-45.49	-25.00	H
13955.53	-55.33	2.20	12.40	-45.13	-25.00	H
16947.38	-54.86	2.90	16.50	-41.26	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
3576.00	-63.76	1.10	12.20	-52.66	-13.00	V
3779.13	-66.65	1.10	12.20	-55.55	-13.00	H
4384.68	-66.29	1.30	12.40	-55.19	-13.00	H
6195.06	-62.56	1.60	13.10	-51.06	-13.00	H
13612.31	-65.62	2.40	12.40	-55.62	-13.00	H
16943.44	-65.85	2.90	16.50	-52.25	-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
3600.00	-70.16	1.10	12.20	-59.06	-13.00	H
3817.41	-66.78	1.20	12.20	-55.78	-13.00	H
4901.79	-65.46	1.40	12.50	-54.36	-13.00	V
6163.38	-62.81	1.60	13.10	-51.31	-13.00	V
12930.47	-67.72	2.50	13.80	-56.42	-13.00	H
16959.84	-65.79	2.90	16.50	-52.19	-13.00	V

LTE Band 66, 1.4MHz, QPSK, Channel 132665

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3382.00	-63.01	1.10	11.50	-52.61	-13.00	V
3557.37	-66.19	1.20	12.20	-55.19	-13.00	V
4601.16	-65.82	1.30	12.50	-54.62	-13.00	V
6198.03	-62.31	1.60	13.10	-50.81	-13.00	H
12418.63	-66.09	2.60	12.60	-56.09	-13.00	H
16984.78	-65.81	2.90	16.50	-52.21	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3154.00	-62.95	1.00	11.50	-52.45	-13.00	H
3803.22	-66.68	1.20	12.20	-55.68	-13.00	H
4418.67	-66.20	1.30	12.40	-55.10	-13.00	H
6196.05	-62.71	1.60	13.10	-51.21	-13.00	V
13584.42	-65.31	2.40	12.40	-55.31	-13.00	V
16998.23	-65.59	2.90	16.50	-51.99	-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
3607.25	-66.83	1.10	12.20	-55.73	-13.00	H
4429.56	-66.03	1.30	12.40	-54.93	-13.00	H
5632.41	-65.42	1.30	13.10	-53.62	-13.00	V
6200.01	-62.26	1.60	13.10	-50.76	-13.00	V
13831.17	-65.83	2.20	12.40	-55.63	-13.00	H
16874.53	-65.86	2.90	16.50	-52.26	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3200.00	-62.89	1.10	11.50	-52.49	-13.00	V
3789.36	-66.64	1.10	12.20	-55.54	-13.00	H
5001.45	-66.10	1.30	12.50	-54.90	-13.00	H
6151.50	-62.58	1.60	13.10	-51.08	-13.00	V
12397.67	-66.41	2.60	12.60	-56.41	-13.00	V
17018.58	-63.17	2.90	14.50	-51.57	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 131979

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3102.30	-66.61	1.00	11.50	-56.11	-13.00	H
3420.09	-65.01	1.20	11.50	-54.71	-13.00	H
4899.15	-65.34	1.40	12.50	-54.24	-13.00	H
6198.36	-62.50	1.60	13.10	-51.00	-13.00	H
11912.71	-65.28	2.50	11.00	-56.78	-13.00	V
16865.67	-65.91	2.90	16.50	-52.31	-13.00	V

LTE Band 66, 1.4MHz, 64QAM, Channel 132322

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3198.33	-65.89	1.10	11.50	-55.49	-13.00	V
3782.76	-66.48	1.10	12.20	-55.38	-13.00	H
5466.75	-64.79	1.30	12.50	-53.59	-13.00	V
6197.70	-62.51	1.60	13.10	-51.01	-13.00	H
13568.67	-65.52	2.40	12.40	-55.52	-13.00	V
16979.86	-65.66	2.90	16.50	-52.06	-13.00	V

LTE Band 66, 1.4MHz, 64QAM, Channel 132665

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3192.00	-63.01	1.10	11.50	-52.61	-13.00	V
3557.37	-67.01	1.20	12.20	-56.01	-13.00	H
5437.05	-64.91	1.30	12.50	-53.71	-13.00	H
6195.72	-62.55	1.60	13.10	-51.05	-13.00	H
13055.81	-67.50	2.30	13.30	-56.50	-13.00	H
16989.70	-65.50	2.90	16.50	-51.90	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
2204.75	-48.48	0.90	9.80	-39.58	-13.00	V
2930.00	-53.43	1.00	10.70	-43.73	-13.00	V
3824.67	-55.34	1.20	12.20	-44.34	-13.00	H
6256.11	-51.56	1.60	13.10	-40.06	-13.00	V
14286.94	-53.81	2.60	11.90	-44.51	-13.00	H
16881.09	-55.37	2.90	16.50	-41.77	-13.00	V

LTE Band 2, 1.4MHz, QPSK, Channel 18900

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2123.46	-48.50	0.90	9.80	-39.60	-13.00	V
2932.00	-53.51	1.00	10.70	-43.81	-13.00	H
4569.48	-54.45	1.30	12.50	-43.25	-13.00	V
6176.25	-51.17	1.60	13.10	-39.67	-13.00	V
12374.29	-55.75	2.60	12.60	-45.75	-13.00	V
17413.97	-51.98	2.90	14.50	-40.38	-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
2388.63	-48.55	0.90	9.80	-39.65	-13.00	H
2975.00	-53.88	1.00	10.70	-44.18	-13.00	V
4531.86	-54.25	1.20	12.50	-42.95	-13.00	V
5378.64	-53.56	1.20	12.50	-42.26	-13.00	V
6200.67	-51.22	1.60	13.10	-39.72	-13.00	H
16981.17	-55.12	2.90	16.50	-41.52	-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
2979.50	-52.95	1.00	10.70	-43.25	-13.00	V
3854.70	-55.36	1.20	12.20	-44.36	-13.00	H
4434.84	-54.79	1.30	12.40	-43.69	-13.00	V
6197.70	-50.68	1.60	13.10	-39.18	-13.00	H
13518.80	-55.60	2.50	12.40	-45.70	-13.00	V
17010.70	-52.69	2.90	14.50	-41.09	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2948.50	-53.85	1.00	10.70	-44.15	-13.00	V
4385.34	-54.55	1.30	12.40	-43.45	-13.00	H
5474.67	-52.53	1.30	12.50	-41.33	-13.00	V
6194.73	-51.01	1.60	13.10	-39.51	-13.00	V
13510.27	-54.99	2.50	12.40	-45.09	-13.00	H
17002.17	-52.92	2.90	14.50	-41.32	-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
2059.75	-48.66	0.80	9.80	-39.66	-13.00	V
3740.19	-55.72	1.10	12.20	-44.62	-13.00	V
5464.44	-53.52	1.30	12.50	-42.32	-13.00	H
6170.31	-51.21	1.60	13.10	-39.71	-13.00	H
12167.08	-54.02	2.60	12.60	-44.02	-13.00	H
17010.38	-53.24	2.90	14.50	-41.64	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 18607

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2117.96	-48.10	0.90	9.80	-39.20	-13.00	H
3801.24	-54.88	1.20	12.20	-43.88	-13.00	H
5294.82	-52.87	1.60	12.50	-41.97	-13.00	H
6264.03	-51.10	1.60	13.10	-39.60	-13.00	H
10581.19	-55.66	2.20	10.80	-47.06	-13.00	H
16992.00	-55.21	2.90	16.50	-41.61	-13.00	V

LTE Band 2, 1.4MHz, 64QAM, Channel 18900

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2989.50	-53.65	1.00	10.70	-43.95	-13.00	H
3837.54	-55.17	1.20	12.20	-44.17	-13.00	V
4874.73	-53.76	1.40	12.50	-42.66	-13.00	H
6204.63	-51.48	1.60	13.10	-39.98	-13.00	V
13443.66	-56.24	2.50	13.30	-45.44	-13.00	V
17236.78	-52.94	3.20	14.50	-41.64	-13.00	H

LTE Band 2, 1.4MHz, 64QAM, Channel 19193

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
2146.83	-48.54	0.90	9.80	-39.64	-13.00	H
3756.36	-55.22	1.10	12.20	-44.12	-13.00	H
4852.29	-54.12	1.30	12.50	-42.92	-13.00	H
6118.83	-51.03	1.60	13.10	-39.53	-13.00	H
10586.43	-55.65	2.20	10.80	-47.05	-13.00	V
16871.91	-55.20	2.90	16.50	-41.60	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
3274.00	-51.70	1.10	11.50	-41.30	-25.00	V
3741.84	-55.45	1.10	12.20	-44.35	-25.00	V
4402.50	-54.79	1.30	12.40	-43.69	-25.00	H
6190.11	-51.42	1.60	13.10	-39.92	-25.00	V
14404.41	-54.39	2.60	11.90	-45.09	-25.00	V
16862.39	-55.37	2.90	16.50	-41.77	-25.00	V

LTE Band 7, 5 MHz, QPSK, Channel 21100

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3474.50	-52.12	1.10	11.50	-41.72	-25.00	V
3869.88	-54.98	1.20	12.20	-43.98	-25.00	V
4929.84	-54.29	1.30	12.50	-43.09	-25.00	H
6199.02	-51.33	1.60	13.10	-39.83	-25.00	V
14258.72	-55.15	2.60	11.90	-45.85	-25.00	H
16442.39	-57.43	2.70	17.40	-42.73	-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
3213.18	-55.21	1.10	11.50	-44.81	-25.00	H
3817.74	-54.95	1.20	12.20	-43.95	-25.00	V
4863.84	-54.44	1.30	12.50	-43.24	-25.00	H
6250.50	-51.61	1.60	13.10	-40.11	-25.00	H
13931.58	-55.48	2.20	12.40	-45.28	-25.00	V
16965.09	-55.50	2.90	16.50	-41.90	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3243.50	-52.41	1.10	11.50	-42.01	-25.00	V
3908.49	-55.69	1.20	12.20	-44.69	-25.00	V
4695.54	-54.39	1.30	12.50	-43.19	-25.00	V
6182.19	-51.50	1.60	13.10	-40.00	-25.00	V
13526.67	-62.36	2.50	12.40	-52.46	-25.00	H
17166.56	-59.01	2.90	14.50	-47.41	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3735.57	-55.45	1.10	12.20	-44.35	-25.00	V
4875.39	-54.33	1.40	12.50	-43.23	-25.00	V
5499.09	-54.13	1.40	12.50	-43.03	-25.00	V
6215.19	-51.10	1.60	13.10	-39.60	-25.00	H
13507.64	-54.55	2.50	12.40	-44.65	-25.00	V
16952.30	-55.03	2.90	16.50	-41.43	-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
3598.00	-52.33	1.10	12.20	-41.23	-25.00	H
3759.66	-55.71	1.10	12.20	-44.61	-25.00	V
4436.49	-54.38	1.30	12.40	-43.28	-25.00	H
6193.08	-51.59	1.60	13.10	-40.09	-25.00	H
13148.67	-55.89	2.30	13.30	-44.89	-25.00	V
16849.27	-54.66	2.90	16.50	-41.06	-25.00	V

LTE Band 7, 5 MHz, 64QAM, Channel 20775

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3992.50	-52.23	1.20	12.20	-41.23	-25.00	H
4426.92	-54.99	1.30	12.40	-43.89	-25.00	V
5430.78	-54.11	1.30	12.50	-42.91	-25.00	V
6199.02	-51.37	1.60	13.10	-39.87	-25.00	V
13844.30	-56.14	2.20	12.40	-45.94	-25.00	H
16918.50	-55.51	2.90	16.50	-41.91	-25.00	H

LTE Band 7, 5 MHz, 64QAM, Channel 21100

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3384.00	-54.37	1.10	11.50	-43.97	-25.00	H
3793.65	-55.25	1.10	12.20	-44.15	-25.00	H
4900.14	-54.67	1.40	12.50	-43.57	-25.00	H
6198.36	-51.87	1.60	13.10	-40.37	-25.00	H
13650.38	-55.12	2.40	12.40	-45.12	-25.00	H
16923.09	-55.15	2.90	16.50	-41.55	-25.00	H

LTE Band 7, 5 MHz, 64QAM, Channel 21425

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3167.64	-54.99	1.00	11.50	-44.49	-25.00	V
3780.78	-55.21	1.10	12.20	-44.11	-25.00	H
4822.92	-54.53	1.30	12.50	-43.33	-25.00	H
6177.90	-51.65	1.60	13.10	-40.15	-25.00	H
14358.14	-54.33	2.60	11.90	-45.03	-25.00	V
16995.61	-56.05	2.90	16.50	-42.45	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
1962.58	-47.39	0.80	8.10	-42.24	-13.00	V
2166.54	-47.80	0.90	9.80	-41.05	-13.00	H
2912.00	-51.70	1.00	10.70	-44.15	-13.00	H
3778.14	-55.01	1.10	12.20	-46.06	-13.00	V
4907.73	-54.20	1.40	12.50	-45.25	-13.00	V
6196.05	-51.13	1.60	13.10	-41.78	-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
1974.04	-47.47	0.80	8.10	-42.32	-13.00	V
2095.96	-48.58	0.90	9.80	-41.83	-13.00	V
2961.00	-51.35	1.00	10.70	-43.80	-13.00	V
4881.00	-53.96	1.40	12.50	-45.01	-13.00	H
6202.65	-50.75	1.60	13.10	-41.40	-13.00	H
8220.30	-58.10	2.20	11.30	-51.15	-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
1995.13	-47.12	0.80	8.10	-41.97	-13.00	V
2000.17	-48.39	0.80	9.80	-41.54	-13.00	V
2983.00	-50.88	1.00	10.70	-43.33	-13.00	H
4842.06	-54.28	1.30	12.50	-45.23	-13.00	V
6214.20	-50.93	1.60	13.10	-41.58	-13.00	H
7807.29	-57.76	1.80	11.30	-50.41	-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
1819.13	-45.16	0.80	8.10	-40.01	-13.00	V
2127.58	-44.00	0.90	9.80	-37.25	-13.00	V
2620.00	-51.27	0.90	10.70	-43.62	-13.00	H
3713.46	-55.22	1.20	12.20	-46.37	-13.00	V
4637.46	-54.52	1.30	12.50	-45.47	-13.00	V
6217.83	-51.80	1.60	13.10	-42.45	-13.00	V

LTE Band 12, 1.4MHz 16QAM, Channel 23095

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1985.96	-47.06	0.80	8.10	-41.91	-13.00	V
2112.92	-48.03	0.90	9.80	-41.28	-13.00	V
2922.00	-51.57	1.00	10.70	-44.02	-13.00	V
4515.36	-54.61	1.20	12.50	-45.46	-13.00	V
6153.81	-51.46	1.60	13.10	-42.11	-13.00	H
7788.79	-58.41	1.80	11.30	-51.06	-13.00	H

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

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1971.29	-46.65	0.80	8.10	-41.50	-13.00	H
2112.00	-47.77	0.90	9.80	-41.02	-13.00	V
2986.00	-51.43	1.00	10.70	-43.88	-13.00	V
4865.49	-53.13	1.40	12.50	-44.18	-13.00	V
6140.28	-51.34	1.60	13.10	-41.99	-13.00	H
8235.56	-58.51	2.20	11.30	-51.56	-13.00	H

LTE Band 12, 1.4MHz, 64QAM, Channel 23017

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1994.67	-46.00	0.80	8.10	-40.85	-13.00	V
2157.38	-48.38	0.90	9.80	-41.63	-13.00	H
2953.50	-51.09	1.00	10.70	-43.54	-13.00	H
4920.93	-54.38	1.30	12.50	-45.33	-13.00	H
6194.40	-51.57	1.60	13.10	-42.22	-13.00	V
9227.39	-58.43	2.10	11.60	-51.08	-13.00	V

LTE Band 12, 1.4MHz 64QAM, Channel 23095

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1227.42	-51.51	0.70	6.00	-48.36	-13.00	H
1987.79	-46.81	0.80	8.10	-41.66	-13.00	V
2154.63	-47.83	0.90	9.80	-41.08	-13.00	H
2940.50	-51.26	1.00	10.70	-43.71	-13.00	V
6216.84	-50.72	1.60	13.10	-41.37	-13.00	V
9135.82	-58.41	2.10	11.60	-51.06	-13.00	H

LTE Band 12, 1.4MHz, 64QAM, Channel 23173

Frequency(MHz)	PMea(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1535.42	-51.55	0.70	8.10	-46.30	-13.00	V
1972.67	-47.25	0.80	8.10	-42.10	-13.00	V
2128.96	-48.25	0.90	9.80	-41.50	-13.00	V
2997.50	-50.76	1.00	10.70	-43.21	-13.00	V
4907.40	-53.83	1.40	12.50	-44.88	-13.00	H
6162.72	-50.98	1.60	13.10	-41.63	-13.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
1991.00	-47.33	0.80	8.10	-42.18	-13.00	V
2145.46	-48.16	0.90	9.80	-41.41	-13.00	H
2998.00	-50.89	1.00	10.70	-43.34	-13.00	H
3237.60	-54.49	1.10	11.50	-46.24	-13.00	H
4887.27	-53.88	1.40	12.50	-44.93	-13.00	H
6233.34	-51.59	1.60	13.10	-42.24	-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
1988.25	-47.10	0.80	8.10	-41.95	-13.00	H
2139.04	-48.26	0.90	9.80	-41.51	-13.00	H
2921.50	-51.44	1.00	10.70	-43.89	-13.00	H
3300.96	-53.70	1.10	11.50	-45.45	-13.00	V
4921.92	-54.11	1.30	12.50	-45.06	-13.00	V
6205.95	-51.28	1.60	13.10	-41.93	-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
1935.54	-47.05	0.80	8.10	-41.90	-13.00	H
2039.58	-48.26	0.80	9.80	-41.41	-13.00	H
2990.00	-51.48	1.00	10.70	-43.93	-13.00	V
3549.12	-55.78	1.20	12.20	-46.93	-13.00	H
4472.46	-53.79	1.20	12.40	-44.74	-13.00	V
6263.37	-51.37	1.60	13.10	-42.02	-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
1965.79	-46.77	0.80	8.10	-41.62	-13.00	H
2104.21	-48.14	0.90	9.80	-41.39	-13.00	V
2932.50	-51.06	1.00	10.70	-43.51	-13.00	V
3862.95	-54.74	1.20	12.20	-45.89	-13.00	H
4578.39	-54.38	1.30	12.50	-45.33	-13.00	H
6201.99	-51.74	1.60	13.10	-42.39	-13.00	V

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
1982.75	-46.84	0.80	8.10	-41.69	-13.00	H
2131.25	-48.46	0.90	9.80	-41.71	-13.00	V
2987.50	-51.36	1.00	10.70	-43.81	-13.00	H
4985.94	-54.28	1.30	12.50	-45.23	-13.00	V
6197.04	-51.72	1.60	13.10	-42.37	-13.00	V
8740.15	-59.45	2.00	12.00	-51.60	-13.00	V

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
1991.46	-47.06	0.80	8.10	-41.91	-13.00	V
2160.13	-48.55	0.90	9.80	-41.80	-13.00	H
2959.00	-50.80	1.00	10.70	-43.25	-13.00	V
4852.29	-54.37	1.30	12.50	-45.32	-13.00	H
6155.13	-50.75	1.60	13.10	-41.40	-13.00	V
8253.60	-58.67	1.90	11.30	-51.42	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26783

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1985.04	-46.58	0.80	8.10	-41.43	-13.00	H
2172.04	-47.33	0.90	9.80	-40.58	-13.00	V
2927.50	-50.99	1.00	10.70	-43.44	-13.00	V
4292.28	-54.40	1.20	12.40	-45.35	-13.00	H
6195.72	-49.97	1.60	13.10	-40.62	-13.00	V
9225.54	-57.01	2.10	11.60	-49.66	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26740

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1987.79	-46.96	0.80	8.10	-41.81	-13.00	H
2120.71	-41.64	0.90	9.80	-34.89	-13.00	H
2520.50	-49.77	0.90	10.70	-42.12	-13.00	H
4877.70	-54.30	1.40	12.50	-45.35	-13.00	V
6238.29	-51.57	1.60	13.10	-42.22	-13.00	V
8219.84	-57.03	2.20	11.30	-50.08	-13.00	H

LTE Band 26(814MHz-824MHz), 1.4MHz, 64QAM, Channel 26697

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain	Peak ERP(dBm)	Limit （dBm）	Polarization
1845.68	-48.88	0.80	8.10	-43.73	-13.00	V
1969.46	-47.13	0.80	8.10	-41.98	-13.00	V
2116.13	-48.74	0.90	9.80	-41.99	-13.00	V
2945.50	-51.55	1.00	10.70	-44.00	-13.00	V
6156.12	-51.92	1.60	13.10	-42.57	-13.00	V
8261.46	-58.78	1.90	11.30	-51.53	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
1981.38	-47.31	0.80	8.10	-42.16	-13.00	H
2166.08	-47.96	0.90	9.80	-41.21	-13.00	V
2927.00	-51.30	1.00	10.70	-43.75	-13.00	V
3196.02	-54.66	1.10	11.50	-46.41	-13.00	V
4770.78	-54.25	1.30	12.50	-45.20	-13.00	H
6240.60	-51.67	1.60	13.10	-42.32	-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
1841.29	-50.24	0.80	8.10	-45.09	-13.00	H
1998.33	-46.97	0.80	8.10	-41.82	-13.00	V
2958.00	-51.47	1.00	10.70	-43.92	-13.00	H
4886.28	-54.21	1.40	12.50	-45.26	-13.00	V
6192.75	-51.33	1.60	13.10	-41.98	-13.00	V
8753.33	-58.85	1.90	12.00	-50.90	-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
1991.00	-46.72	0.80	8.10	-41.57	-13.00	V
2089.54	-48.44	0.90	9.80	-41.69	-13.00	H
2974.00	-50.92	1.00	10.70	-43.37	-13.00	V
4999.80	-54.16	1.30	12.50	-45.11	-13.00	V
6228.39	-51.83	1.60	13.10	-42.48	-13.00	H
8848.61	-58.39	1.90	12.00	-50.44	-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
1976.79	-46.94	0.80	8.10	-41.79	-13.00	V
2094.58	-48.23	0.90	9.80	-41.48	-13.00	V
2950.00	-51.57	1.00	10.70	-44.02	-13.00	V
3861.30	-54.85	1.20	12.20	-46.00	-13.00	V
4932.48	-54.50	1.30	12.50	-45.45	-13.00	V
6197.70	-51.89	1.60	13.10	-42.54	-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
1989.63	-47.51	0.80	8.10	-42.36	-13.00	V
2097.79	-48.19	0.90	9.80	-41.44	-13.00	V
2988.00	-51.10	1.00	10.70	-43.55	-13.00	H
3806.52	-54.42	1.20	12.20	-45.57	-13.00	V
4682.01	-54.44	1.30	12.50	-45.39	-13.00	V
6197.37	-51.74	1.60	13.10	-42.39	-13.00	V

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
1984.58	-47.03	0.80	8.10	-41.88	-13.00	V
2110.63	-48.07	0.90	9.80	-41.32	-13.00	V
2953.00	-51.34	1.00	10.70	-43.79	-13.00	V
4707.09	-54.07	1.30	12.50	-45.02	-13.00	H
6259.74	-51.59	1.60	13.10	-42.24	-13.00	V
8243.43	-58.00	2.20	11.30	-51.05	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 27033

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1807.67	-47.87	0.80	8.10	-42.72	-13.00	H
1976.79	-46.81	0.80	8.10	-41.66	-13.00	H
2530.00	-49.83	0.90	10.70	-42.18	-13.00	H
4556.61	-54.15	1.30	12.50	-45.10	-13.00	V
6191.76	-51.54	1.60	13.10	-42.19	-13.00	H
8495.03	-58.67	2.10	11.30	-51.62	-13.00	V

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26915

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1991.00	-46.50	0.80	8.10	-41.35	-13.00	H
2191.75	-48.32	0.90	9.80	-41.57	-13.00	V
2965.00	-50.91	1.00	10.70	-43.36	-13.00	V
3803.55	-54.83	1.20	12.20	-45.98	-13.00	H
4979.34	-54.05	1.30	12.50	-45.00	-13.00	V
6207.93	-51.20	1.60	13.10	-41.85	-13.00	H

LTE band 26(824MHz-849MHz), 1.4MHz, 64QAM, Channel 26797

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak ERP(dBm)	Limit(dBm)	Polarization
1985.96	-46.78	0.80	8.10	-41.63	-13.00	V
2173.42	-48.42	0.90	9.80	-41.67	-13.00	H
2992.00	-50.53	1.00	10.70	-42.98	-13.00	H
4560.24	-53.77	1.30	12.50	-44.72	-13.00	V
6100.35	-51.22	1.60	13.10	-41.87	-13.00	V
8245.51	-58.54	1.90	11.30	-51.29	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
3539.50	-54.86	1.20	12.20	-43.86	-25.00	H
3732.93	-55.32	1.10	12.20	-44.22	-25.00	V
4617.00	-54.27	1.30	12.50	-43.07	-25.00	H
6205.95	-50.56	1.60	13.10	-39.06	-25.00	H
12958.36	-56.62	2.50	13.80	-45.32	-25.00	V
16975.92	-55.61	2.90	16.50	-42.01	-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
3640.50	-54.80	1.20	12.20	-43.80	-25.00	V
3760.65	-55.41	1.10	12.20	-44.31	-25.00	H
4313.07	-54.77	1.20	12.40	-43.57	-25.00	H
6172.29	-51.74	1.60	13.10	-40.24	-25.00	H
12997.73	-56.74	2.50	13.80	-45.44	-25.00	H
16847.95	-55.44	2.90	16.50	-41.84	-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
3338.25	-54.48	1.10	11.50	-44.08	-25.00	H
3768.57	-55.23	1.10	12.20	-44.13	-25.00	H
4881.66	-54.35	1.40	12.50	-43.25	-25.00	V
6224.43	-51.53	1.60	13.10	-40.03	-25.00	H
13590.00	-54.91	2.40	12.40	-44.91	-25.00	H
17034.66	-51.91	2.90	14.50	-40.31	-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
3771.21	-55.34	1.10	12.20	-44.24	-25.00	H
4593.24	-54.67	1.30	12.50	-43.47	-25.00	V
5271.06	-53.04	1.60	12.50	-42.14	-25.00	H
6197.37	-51.61	1.60	13.10	-40.11	-25.00	V
13510.27	-55.20	2.50	12.40	-45.30	-25.00	H
16965.42	-54.93	2.90	16.50	-41.33	-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
3483.50	-54.28	1.10	11.50	-43.88	-25.00	V
3852.72	-54.95	1.20	12.20	-43.95	-25.00	V
4636.14	-54.17	1.30	12.50	-42.97	-25.00	H
6162.72	-51.98	1.60	13.10	-40.48	-25.00	H
13554.89	-54.84	2.50	12.40	-44.94	-25.00	H
16997.25	-55.64	2.90	16.50	-42.04	-25.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3921.50	-54.01	1.30	12.20	-43.11	-25.00	H
4350.69	-54.34	1.30	12.40	-43.24	-25.00	V
4830.51	-54.23	1.30	12.50	-43.03	-25.00	V
6201.66	-51.46	1.60	13.10	-39.96	-25.00	H
13631.67	-55.61	2.40	12.40	-45.61	-25.00	H
16914.89	-55.71	2.90	16.50	-42.11	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 40165

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3829.95	-55.32	1.20	12.20	-44.32	-25.00	V
4749.99	-54.81	1.30	12.50	-43.61	-25.00	V
5398.44	-53.58	1.20	12.50	-42.28	-25.00	H
6161.40	-51.01	1.60	13.10	-39.51	-25.00	H
13639.88	-54.28	2.40	12.40	-44.28	-25.00	V
16874.53	-55.24	2.90	16.50	-41.64	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 40690

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3864.93	-55.21	1.20	12.20	-44.21	-25.00	H
4654.62	-54.27	1.30	12.50	-43.07	-25.00	V
5420.22	-53.91	1.20	12.50	-42.61	-25.00	V
6196.71	-51.68	1.60	13.10	-40.18	-25.00	H
13463.67	-55.36	2.50	13.30	-44.56	-25.00	V
16988.39	-54.74	2.90	16.50	-41.14	-25.00	V

LTE Band 41, 5MHz, 64QAM, Channel 41215

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3501.97	-56.41	1.10	12.20	-45.31	-25.00	V
3792.33	-55.47	1.10	12.20	-44.37	-25.00	H
4758.24	-53.84	1.30	12.50	-42.64	-25.00	V
6124.11	-51.85	1.60	13.10	-40.35	-25.00	V
14306.63	-54.02	2.60	11.90	-44.72	-25.00	H
16990.03	-54.46	2.90	16.50	-40.86	-25.00	V

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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
2879.50	-62.26	1.00	10.70	-52.56	-13.00	V
3420.42	-63.91	1.20	11.50	-53.61	-13.00	V
4883.31	-65.48	1.40	12.50	-54.38	-13.00	V
6195.39	-62.55	1.60	13.10	-51.05	-13.00	H
13841.02	-65.71	2.20	12.40	-55.51	-13.00	V
17004.14	-63.67	2.90	14.50	-52.07	-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
2988.00	-62.31	1.00	10.70	-52.61	-13.00	V
3797.61	-66.46	1.20	12.20	-55.46	-13.00	H
5622.18	-65.60	1.30	13.10	-53.80	-13.00	H
6195.06	-62.44	1.60	13.10	-50.94	-13.00	H
13638.89	-66.03	2.40	12.40	-56.03	-13.00	H
16963.78	-65.63	2.90	16.50	-52.03	-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
2601.00	-62.32	0.90	10.70	-52.52	-13.00	V
3797.94	-66.21	1.20	12.20	-55.21	-13.00	H
5623.50	-65.53	1.30	13.10	-53.73	-13.00	V
6196.71	-62.45	1.60	13.10	-50.95	-13.00	H
13009.22	-67.17	2.50	13.30	-56.37	-13.00	H
16964.44	-65.40	2.90	16.50	-51.80	-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
3296.50	-62.92	1.10	11.50	-52.52	-13.00	V
3809.82	-66.44	1.20	12.20	-55.44	-13.00	H
5635.71	-65.62	1.30	13.10	-53.82	-13.00	V
6214.53	-62.24	1.60	13.10	-50.74	-13.00	H
14401.78	-64.74	2.60	11.90	-55.44	-13.00	V
16996.27	-65.57	2.90	16.50	-51.97	-13.00	V

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

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3000.33	-67.22	1.00	11.50	-56.72	-13.00	V
3773.85	-66.52	1.10	12.20	-55.42	-13.00	H
4404.81	-65.61	1.30	12.40	-54.51	-13.00	H
5626.80	-65.48	1.30	13.10	-53.68	-13.00	H
6198.03	-62.40	1.60	13.10	-50.90	-13.00	V
16860.09	-65.43	2.90	16.50	-51.83	-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
3386.00	-62.91	1.10	11.50	-52.51	-13.00	V
3557.70	-66.43	1.20	12.20	-55.43	-13.00	V
4860.54	-65.54	1.30	12.50	-54.34	-13.00	H
6194.07	-62.52	1.60	13.10	-51.02	-13.00	V
13485.00	-66.39	2.50	13.30	-55.59	-13.00	V
16960.83	-65.74	2.90	16.50	-52.14	-13.00	V

LTE Band 66, 1.4MHz, 64QAM, Channel 131979

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3211.00	-61.61	1.10	11.50	-51.21	-13.00	H
3782.43	-66.64	1.10	12.20	-55.54	-13.00	H
5494.80	-64.92	1.40	12.50	-53.82	-13.00	H
6193.74	-62.70	1.60	13.10	-51.20	-13.00	H
13639.22	-66.07	2.40	12.40	-56.07	-13.00	H
17004.14	-63.58	2.90	14.50	-51.98	-13.00	H

LTE Band 66, 1.4MHz, 64QAM, Channel 132322

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3497.50	-62.94	1.10	11.50	-52.54	-13.00	V
3768.57	-66.78	1.10	12.20	-55.68	-13.00	H
5440.02	-64.89	1.30	12.50	-53.69	-13.00	H
6191.76	-62.42	1.60	13.10	-50.92	-13.00	H
13494.19	-66.68	2.50	13.30	-55.88	-13.00	H
17003.48	-63.77	2.90	14.50	-52.17	-13.00	V

LTE Band 66, 1.4MHz, 64QAM, Channel 132665

Frequency(MHz)	P_{Mea}(dBm)	Path Loss	Antenna Gain(dBi)	Peak EIRP(dBm)	Limit(dBm)	Polarization
3768.90	-66.73	1.10	12.20	-55.63	-13.00	H
4601.16	-66.17	1.30	12.50	-54.97	-13.00	V
5630.76	-65.46	1.30	13.10	-53.66	-13.00	H
6201.66	-62.57	1.60	13.10	-51.07	-13.00	H
12435.97	-66.69	2.60	12.60	-56.69	-13.00	H
16959.84	-65.74	2.90	16.50	-52.14	-13.00	H

Note: The maximum value of expanded measurement uncertainty for this test item is U = 2.72dB(30MHz-3GHz)/3.60dB(3GHz-18GHz)/3.58dB(18GHz-40GHz), 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℃.
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℃ increments from 0℃ to +35℃. 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℃.
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 ℃ increments from +35℃ to 0℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5℃ 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 3.60V and 4.45V, with a nominal voltage of 3.87V. 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	64QAM	QPSK	16QAM	64QAM
3.60	23	26	12	0.012	0.014	0.006
3.87	15	15	17	0.008	0.008	0.009
4.45	17	24	8	0.009	0.013	0.004

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	9	7	5	0.005	0.004	0.003
5	11	4	8	0.006	0.002	0.004
10	15	15	7	0.008	0.008	0.004
15	17	11	11	0.009	0.006	0.006
20	12	12	4	0.006	0.006	0.002
25	11	18	7	0.006	0.010	0.004
30	16	9	13	0.009	0.005	0.007
35	14	6	9	0.007	0.003	0.005

Expanded measurement uncertainty is 10 Hz, 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	64QAM	QPSK	16QAM	64QAM
3.60	26	13	16	0.010	0.005	0.006
3.87	15	14	18	0.006	0.006	0.007
4.45	8	7	9	0.003	0.003	0.004

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	5	14	6	0.002	0.006	0.002
5	7	17	8	0.003	0.007	0.003
10	14	27	15	0.006	0.011	0.006
15	12	15	11	0.005	0.006	0.004
20	22	26	17	0.009	0.010	0.007
25	26	22	15	0.010	0.009	0.006
30	8	13	24	0.003	0.005	0.009
35	19	18	15	0.007	0.007	0.006

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	64QAM	QPSK	16QAM	64QAM
3.60	12	18	13	0.017	0.025	0.018
3.87	8	4	11	0.011	0.006	0.016
4.45	17	12	17	0.024	0.017	0.024

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	8	24	14	0.011	0.034	0.020
5	4	15	15	0.006	0.021	0.021
10	1	8	13	0.001	0.011	0.018
15	12	12	14	0.017	0.017	0.020
20	17	16	17	0.024	0.023	0.024
25	19	13	12	0.027	0.018	0.017
30	21	7	19	0.030	0.010	0.027
35	23	11	22	0.033	0.016	0.031

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	64QAM	QPSK	16QAM	64QAM
3.60	19	8	16	0.023	0.010	0.020
3.87	5	3	24	0.006	0.004	0.029
4.45	7	11	7	0.009	0.013	0.009

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	9	8	9	0.011	0.010	0.011
5	15	5	13	0.018	0.006	0.016
10	17	14	12	0.021	0.017	0.015
15	12	6	17	0.015	0.007	0.021
20	16	12	24	0.020	0.015	0.029
25	15	5	25	0.018	0.006	0.031
30	3	7	13	0.004	0.009	0.016
35	8	14	18	0.010	0.017	0.022

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	64QAM	QPSK	16QAM	64QAM
3.60	15	24	9	0.018	0.029	0.011
3.87	17	18	13	0.020	0.022	0.016
4.45	18	7	2	0.022	0.008	0.002

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	16	7	27	0.019	0.008	0.032
5	24	4	22	0.029	0.005	0.026
10	15	3	8	0.018	0.004	0.010
15	13	11	16	0.016	0.013	0.019
20	18	9	23	0.022	0.011	0.027
25	7	15	17	0.008	0.018	0.020
30	11	36	22	0.013	0.043	0.026
35	5	17	25	0.006	0.020	0.030

Expanded measurement uncertainty is 10Hz, 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	64QAM	QPSK	16QAM	64QAM
3.60	17	23	19	0.007	0.009	0.007
3.87	23	16	26	0.009	0.006	0.010
4.45	18	25	27	0.007	0.010	0.010

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	22	31	9	0.008	0.012	0.003
5	35	26	16	0.013	0.010	0.006
10	18	38	27	0.007	0.015	0.010
15	19	14	36	0.007	0.005	0.014
20	28	27	31	0.011	0.010	0.012
25	27	29	28	0.010	0.011	0.011
30	13	11	33	0.005	0.004	0.013
35	19	8	18	0.007	0.003	0.007

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	64QAM	QPSK	16QAM	64QAM
3.60	23	22	16	0.013	0.013	0.009
3.87	18	14	29	0.010	0.008	0.017
4.45	9	27	24	0.005	0.015	0.014

Frequency Error vs Temperature

Temperature (℃)	Frequency error (Hz)			Frequency error (ppm)		
	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
0	26	33	29	0.015	0.019	0.017
5	15	26	15	0.009	0.015	0.009
10	18	38	38	0.010	0.022	0.022
15	23	27	19	0.013	0.015	0.011
20	35	15	35	0.020	0.009	0.020
25	18	31	41	0.010	0.018	0.023
30	27	34	22	0.015	0.019	0.013
35	26	16	35	0.015	0.009	0.020

Expanded measurement uncertainty is 10Hz, 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.

a) 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).

b) 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.

c) 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.

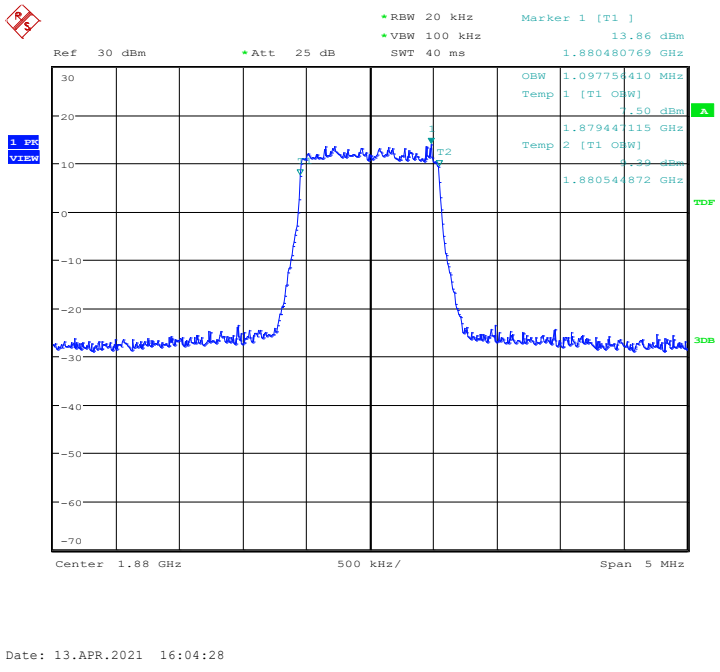
d) Set the detection mode to peak, and the trace mode to max hold.

e) Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

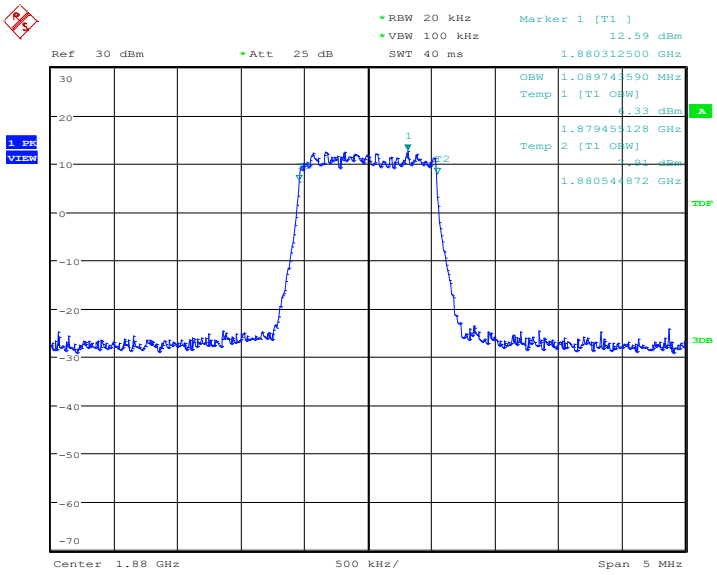
LTE band 2, 1.4MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	1097.76	1089.74	1089.74

LTE band 2, 1.4MHz Bandwidth, QPSK (99% BW)

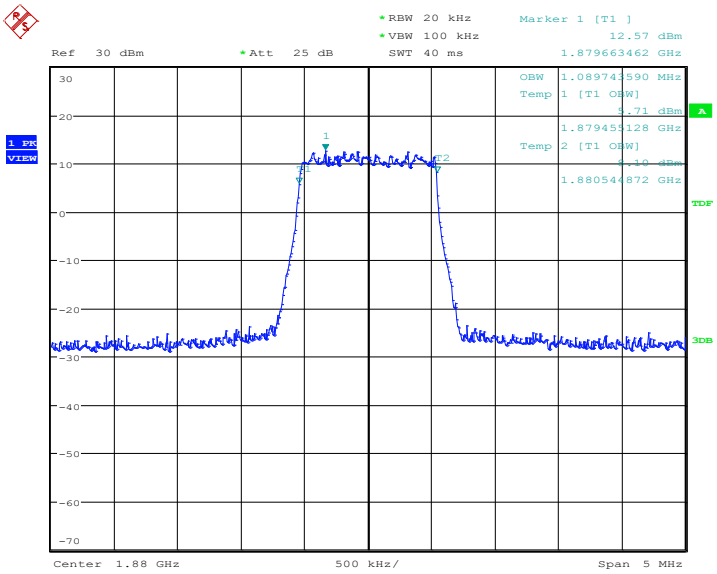


LTE band 2, 1.4MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 16:04:42

LTE band 2, 1.4MHz Bandwidth, 64QAM (99% BW)

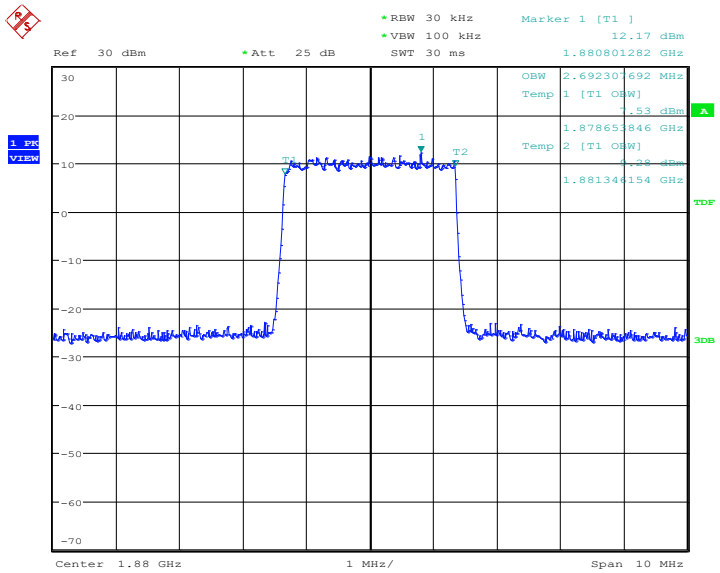


Date: 13.APR.2021 17:50:54

LTE band 2, 3MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	2692.31	2692.31	2692.31

LTE band 2, 3MHz Bandwidth, QPSK (99% BW)



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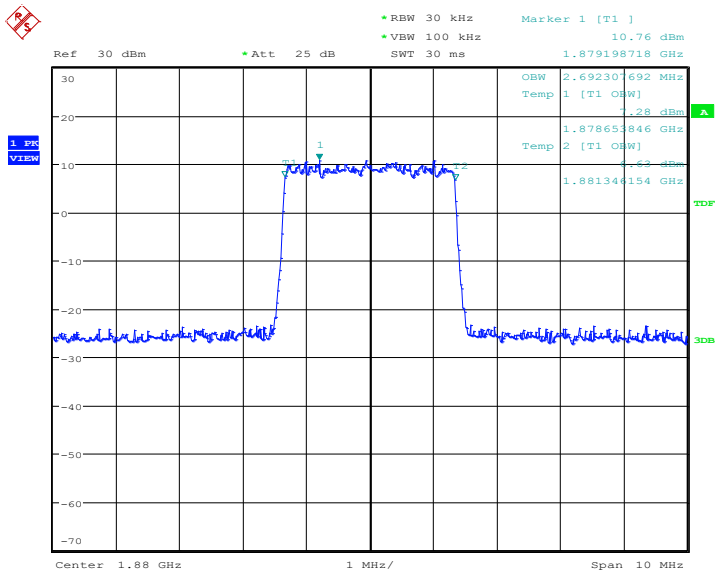
LTE band 2, 3MHz Bandwidth, 16QAM (99% BW)



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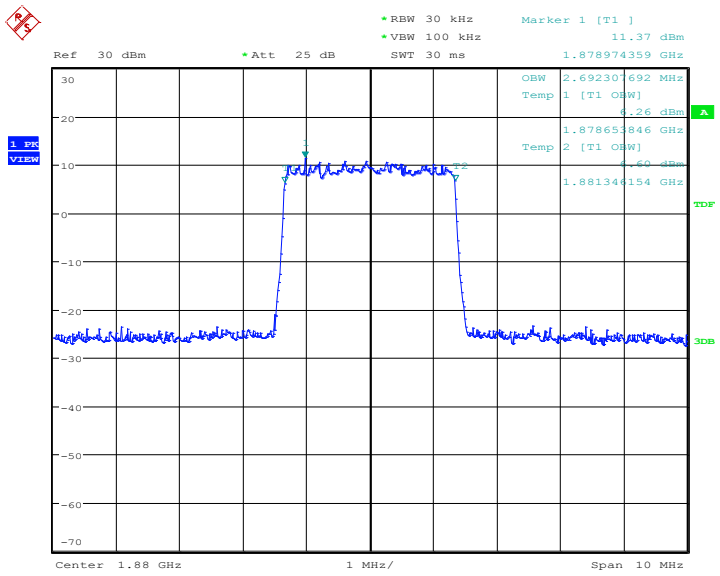
LTE band 2, 3MHz Bandwidth, 64QAM (99% BW)



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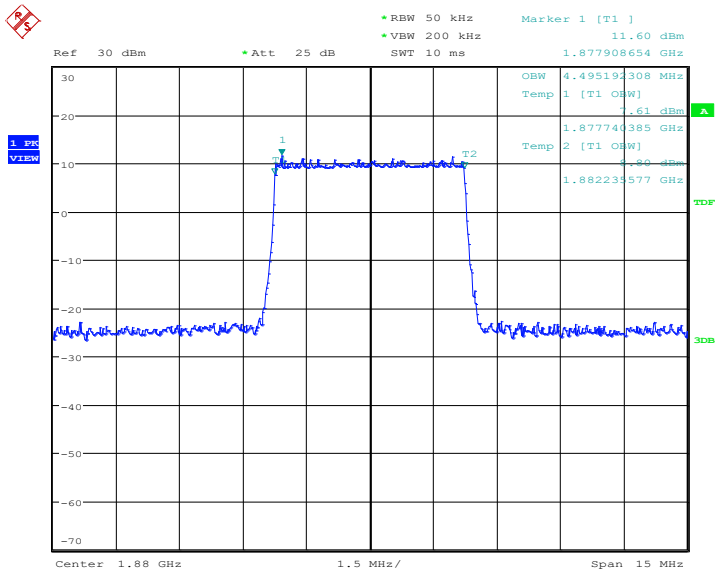
LTE band 2, 5MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	4495.19	4471.15	4471.15

LTE band 2, 5MHz Bandwidth, QPSK (99% BW)



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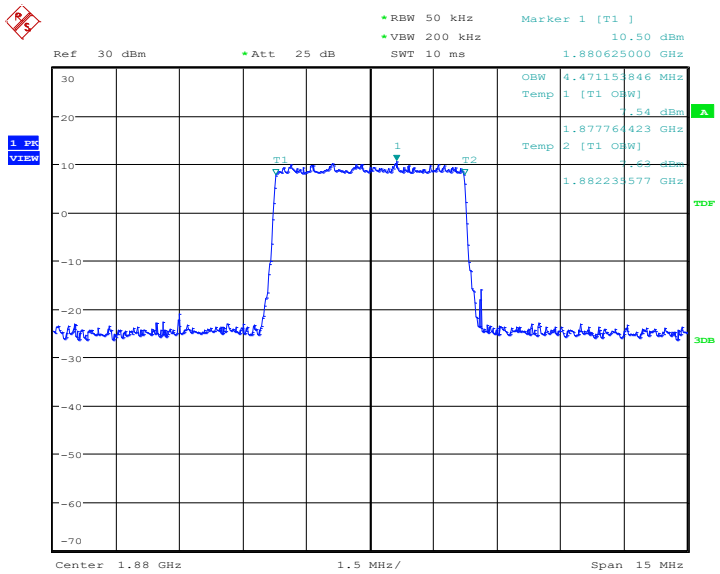
LTE band 2, 5MHz Bandwidth,16QAM (99% BW)



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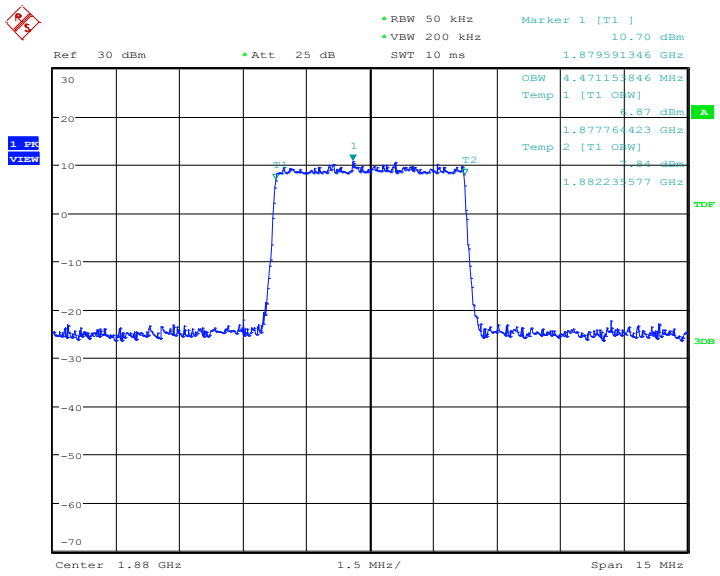
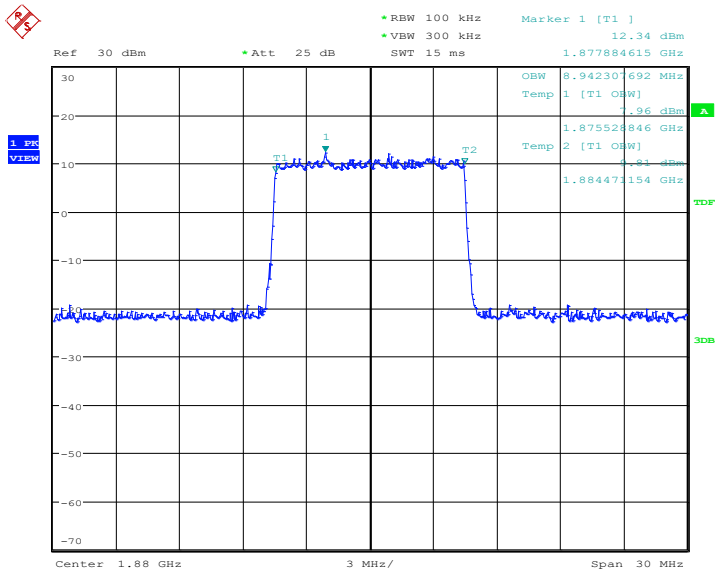
LTE band 2, 5MHz Bandwidth,64QAM (99% BW)



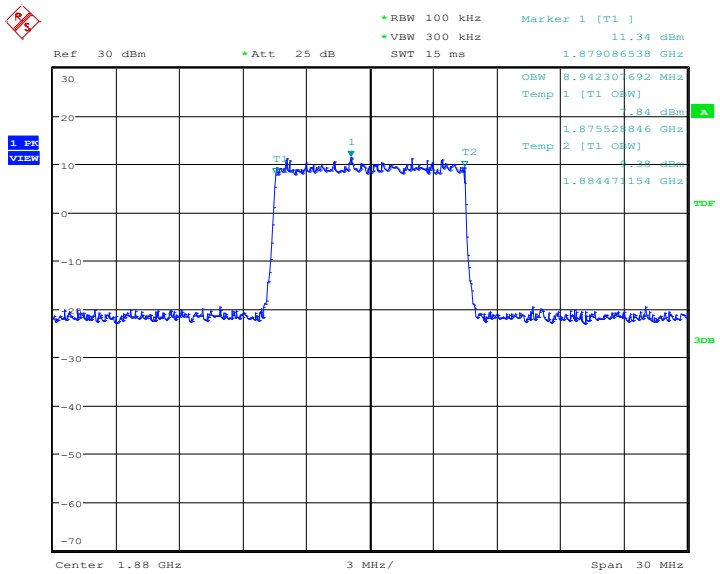
LTE band 2, 10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	8942.31	8942.31	8990.38

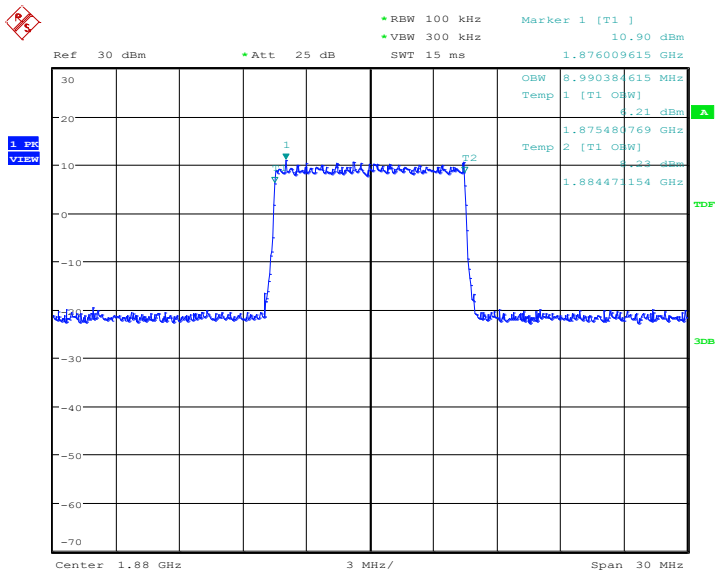
LTE band 2, 10MHz Bandwidth, QPSK (99% BW)



LTE band 2, 10MHz Bandwidth, 16QAM (99% BW)



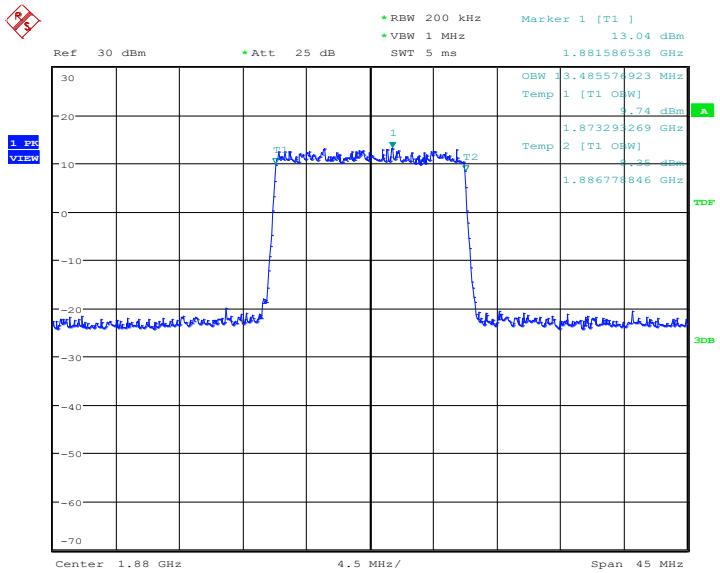
LTE band 2, 10MHz Bandwidth, 64QAM (99% BW)



LTE band 2, 15MHz (99% BW)

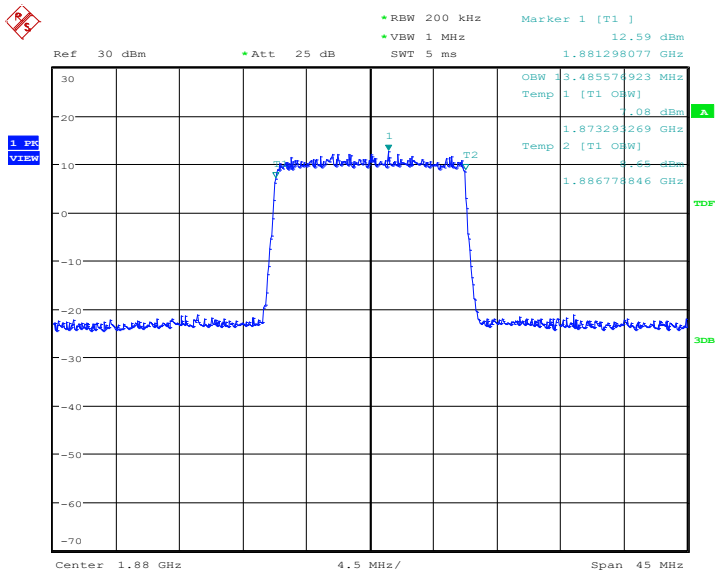
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 2, 15MHz Bandwidth, QPSK (99% BW)



Date: 13.APR.2021 16:13:39

LTE band 2, 15MHz Bandwidth, 16QAM (99% BW)



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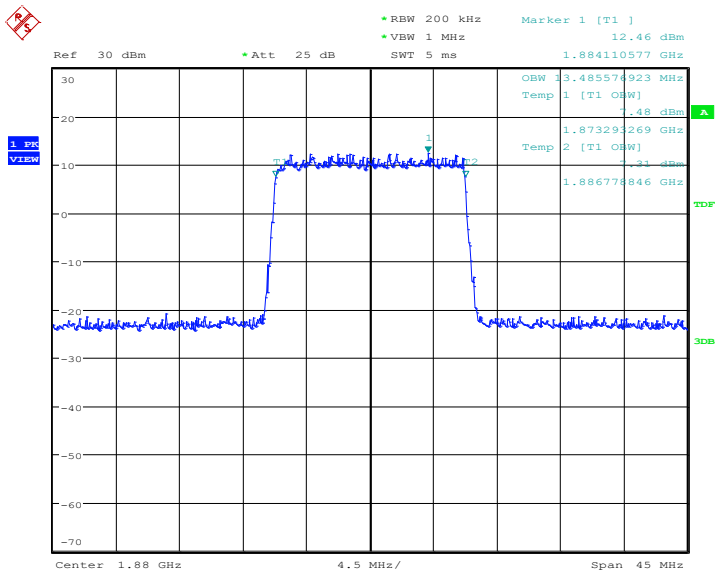
LTE band 2, 15MHz Bandwidth, 64QAM (99% BW)



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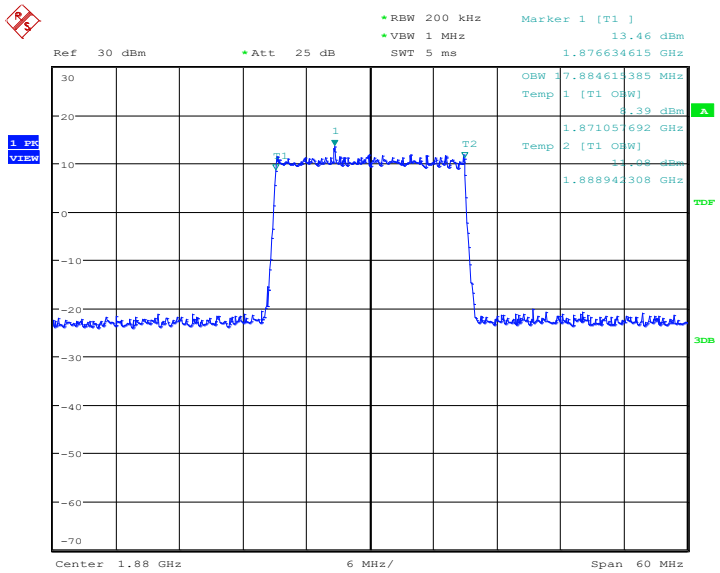
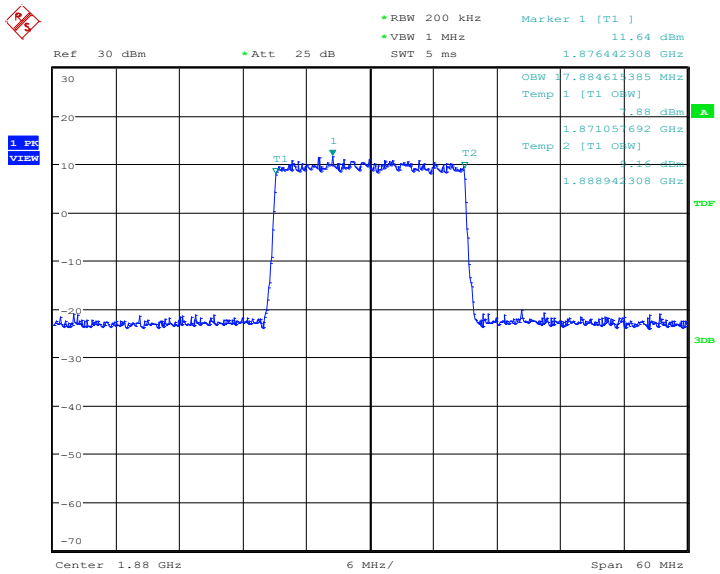
LTE band 2, 20MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
1880.0	QPSK	16QAM	64QAM
	17884.62	17884.62	17980.77

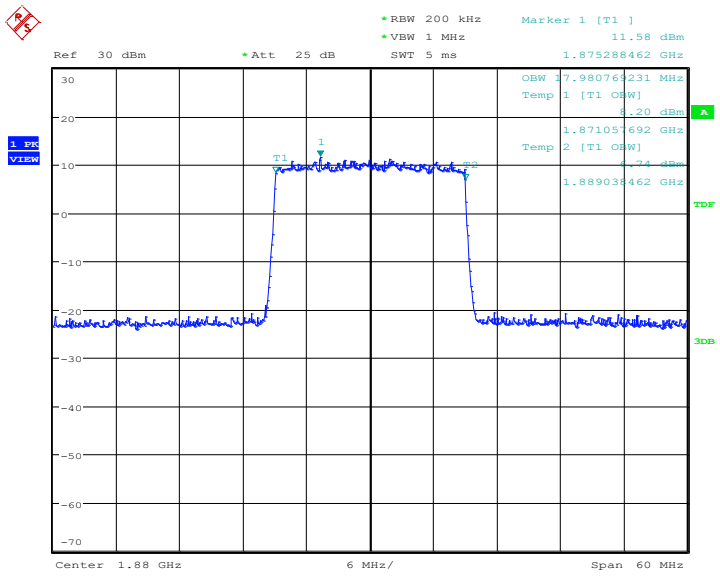
LTE band 2, 20MHz Bandwidth, QPSK (99% BW)



LTE band 2, 20MHz Bandwidth, 16QAM (99% BW)



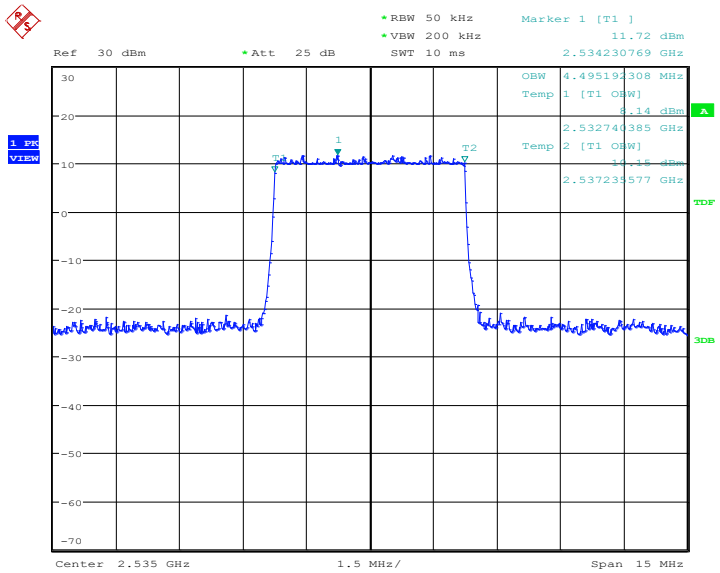
LTE band 2, 20MHz Bandwidth, 64QAM (99% BW)



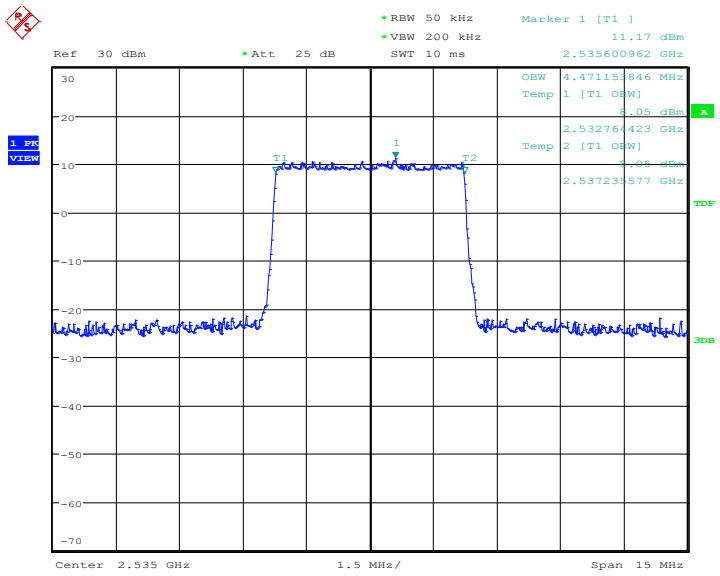
LTE band 7, 5MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	4495.19	4471.15	4471.15

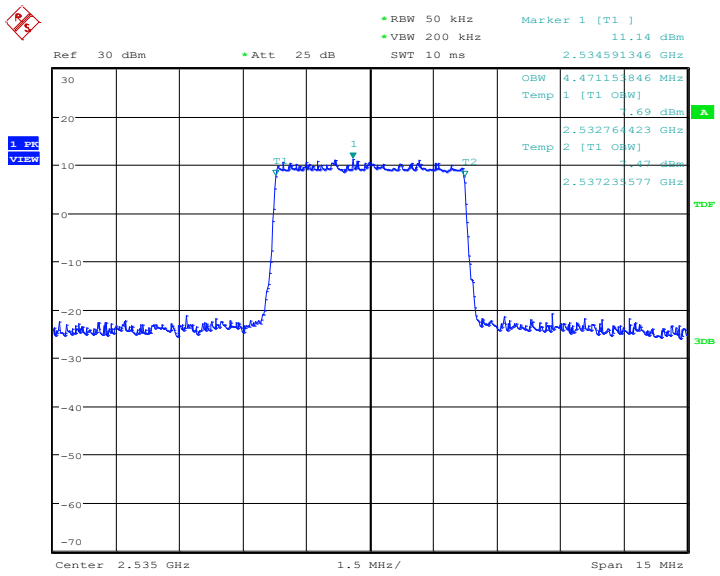
LTE band 7, 5MHz Bandwidth, QPSK (99% BW)



LTE band 7, 5MHz Bandwidth,16QAM (99% BW)



LTE band 7, 5MHz Bandwidth,64QAM (99% BW)



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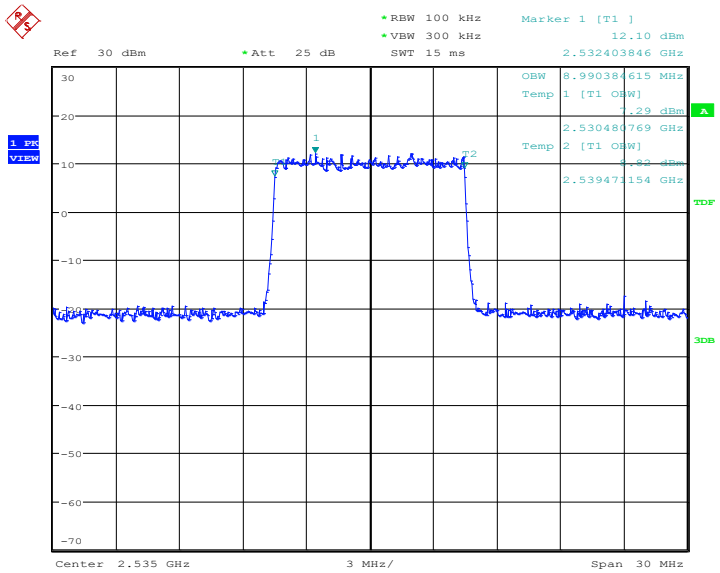
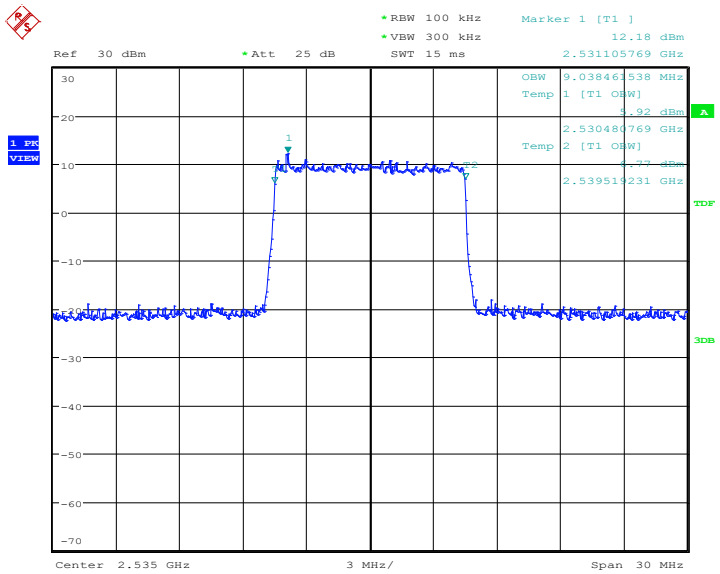
LTE band 7, 10MHz (99% BW)

Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	8990.38	9038.46	8990.38

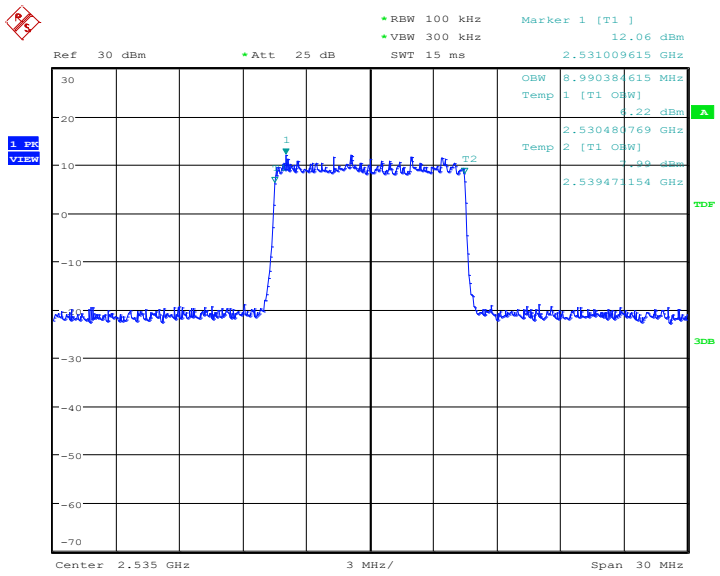
LTE band 7, 10MHz Bandwidth, QPSK (99% BW)



LTE band 7, 10MHz Bandwidth, 16QAM (99% BW)



LTE band 7, 10MHz Bandwidth, 64QAM (99% BW)



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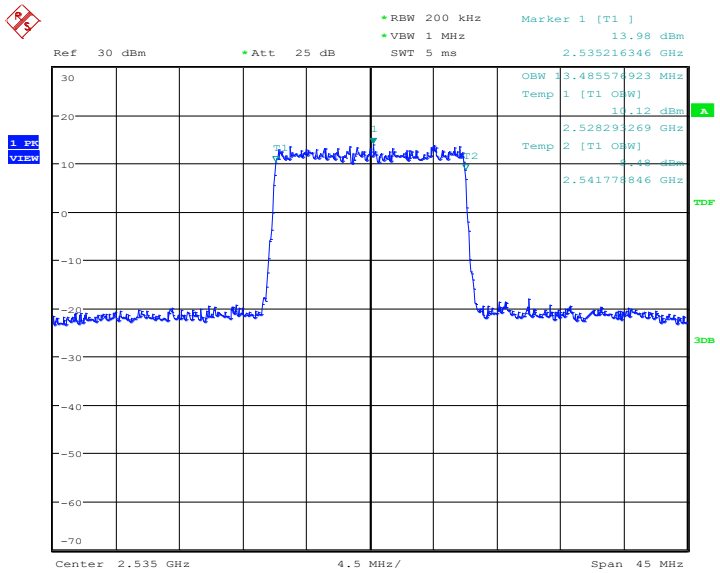
LTE band 7, 15MHz (99% BW)

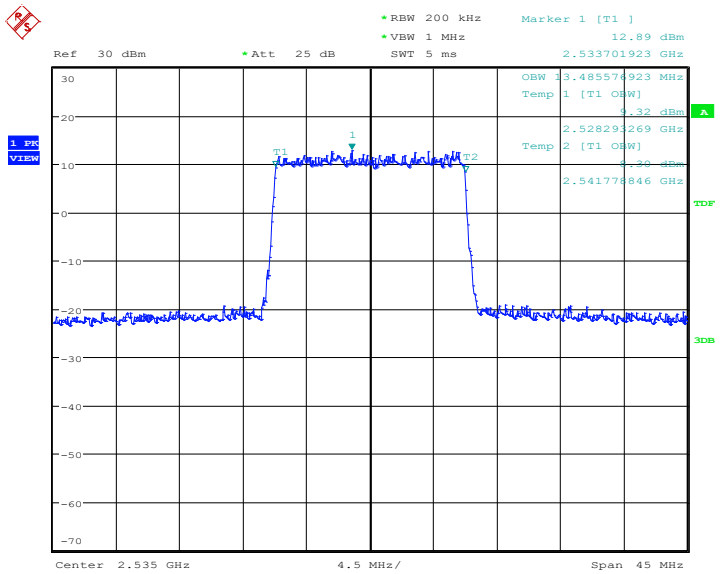
Frequency(MHz)	Occupied Bandwidth (99% BW)(kHz)		
2535.0	QPSK	16QAM	64QAM
	13485.58	13485.58	13485.58

LTE band 7, 15MHz Bandwidth, QPSK (99% BW)



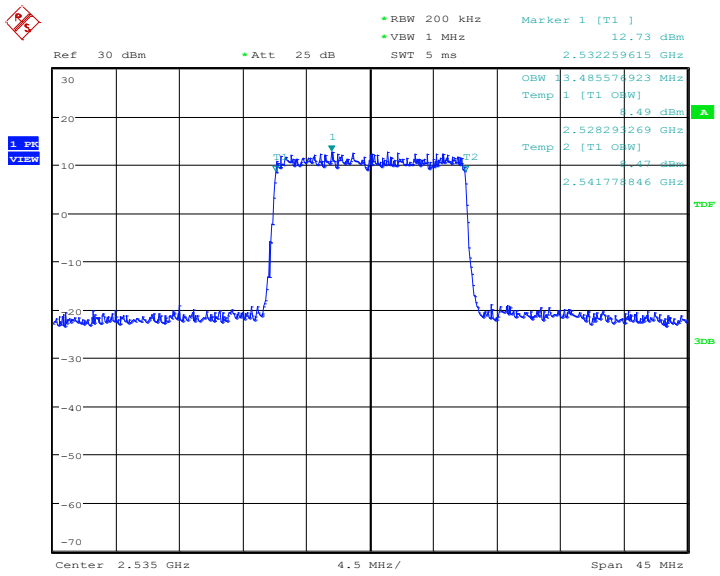
Date: 13.APR.2021 15:41:24

LTE band 7, 15MHz Bandwidth, 16QAM (99% BW)



Date: 13.APR.2021 15:41:38

LTE band 7, 15MHz Bandwidth, 64QAM (99% BW)



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